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* Decisions of the U. S. Court of Appeals for the District of Columbia are indicated by the letter [C.] of the c. a. Court of Customs and Patent Appeals by a star (*); and of the U. S. Supreme Court by the letter [S.]

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act 20 Feb. 20, 1905, Sec. 6, as amended Mar. 3, 1911]

Imperial Tag, New York, N. Y. Stockings and bathing suits. Serial No. 438,581; Mar. 4. Class 39.

Independent Mfg. Co., St. Paul, Minn. Silos and Parts and stoves used in the maintenance of silos. Serial No. 439,751; Mar. 4. Class 3.

Imperial Company, Inc. New York, N. Y. Waterproofing and preservative paint or enamel coating. Serial Nos. 438,182; 1; Mar. 4. Class 16.

Ironsides Coal Company, Chicago, Ill. Coal. Serial No. 437,130; Mar. 4. Class 1.

Kalich, Isaac, doing business as M. L. Kalich & Co., Watsonville, Calif. Fruits. Serial No. 439,477; Mar. 4. Class 46.

Kaufman & Matthaei Company, Amblet, Pa. Sandpaper, paper sheets for display purposes. Serial No. 439,603; Mar. 4. Class 17.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. Serial Nos. 437,174-5; Mar. 4. Class 15.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. Serial Nos. 437,178-9; Mar. 4. Class 15.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. Serial No. 437,563; Mar. 4. Class 15.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. Serial No. 437,565; Mar. 4. Class 15.

Kel-Bay Knitting Mills (See Kreindler & Liebleber.)

Kimberly-Clark Corporation, Neenah, Wis. Sheet paper. Serial No. 438,517; Mar. 4. Class 17.

Klenkammer, Simon, New York, N. Y. Hand cream, perfume, and cream, etc. Serial Nos. 439,412-13; Mar. 4. Class 6.

Kreindler & Liebleber, doing business as Kel-Bay Knitting Mills, New York, N. Y. Panties, step-ins, vests, etc. Serial No. 438,594; Mar. 4. Class 39.

Kuryer Publishing Company, Cleveland, Ohio. Newspaper. Serial No. 438,313; Mar. 4. Class 37.

Levy Mau, & Son, Inc., New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 439,111; Mar. 4. Class 39.

Lilly Kil Company, Indianapolis, Ind. Medicinal preparation of cod liver oil containing vitamins A & D, B_1(G), B_2, C, D nicotinamide, and pantothenic acid. Serial No. 439,417; Mar. 4. Class 6.

Lucas, Anna, doing business as Robert M. Lucas Co., Chicago, Ill. Paints. Serial No. 437,342; Mar. 4. Class 16.

Magnet Cove Barium Corporation, Jamestown, Tenn. and Malvern, Ark. Ground baryte. Serial No. 439,454; Mar. 4. Class 1.

Majestic Handle Company, Chicago, Ill. Vacuum bottle. Serial No. 437,981; Mar. 4. Class 3.

Manhattan Soap Company, Inc., New York, N. Y. Soap. Serial No. 439,164; Mar. 4. Class 4.

Marvin Mills, Inc., New York, N. Y. Piece goods. Serial No. 439,29; Mar. 4. Class 42.

Mayflower Dress Co., Inc., New York, N. Y. Dresses, blouses, skirts, and jackets. Serial No. 438,891; Mar. 4. Class 39.

McDowell, W. B. Shelton, S. C. Compound for fortifying soft drinks with vitamin B. Serial No. 439,881; Mar. 4. Class 6.

Mead Johnson & Company, Evansville, Ind. Drug product. Serial No. 439,141; Mar. 4. Class 3.

Meadowbrook Sportswear, Inc., New York, N. Y. Dresses. Serial No. 439,419; Mar. 4. Class 39.

Mid City Wholesale Grocers, Inc., Chicago, Ill. Canned vegetables, canned fruits, etc. Serial No. 438,434; Mar. 4. Class 46.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed cloth and coal tape. Serial No. 439,113; Mar. 4. Class 5.

Nakamura, Jim, doing business as Crown Marketing Co., Los Angeles, Calif. Fresh vegetables, fruits, etc. Serial No. 438,802; Mar. 4. Class 46.

Newmark, Samuel P., doing business as Bellegold Hosiery Co., New York, N. Y. Hosiery. Serial No. 438,821; Mar. 4. Class 39.

New York Merchandise Co. Inc., New York, N. Y. Table cloths and napkins. Serial No. 438,714; Mar. 4. Class 42.

Nordic Rubber and Importing Company, Seattle, Wash. Prepared fish products. Serial No. 437,999; Mar. 4. Class 46.

North & Judd Manufacturing Company, New Britain, Conn. Accessories for harness and saddlery. Serial No. 438,714; Mar. 4. Class 4.

Oliver-Tyrone Company, The, San Francisco, Calif. Decorative curtains. Serial No. 437,999; Mar. 4. Class 35.

Omaha Cold Storage Company, The, Omaha, Nebr. Dressed chickens. Serial No. 438,443; Mar. 4. Class 46.

Palter, Dan, New York, N. Y. Boots, shoes, and slippers. Serial No. 438,818; Mar. 4. Class 39.

Parfums Corday, Inc. New York, N. Y. Perfumes, toilet waters. Serial No. 438,110; Mar. 4. Class 6.

Parris, George M., & Company, Inc. Lechlmere and Cambridge, Mass. Nonalcoholic malteless beverages and extracts. Serial Nos. 437,316-17; Mar. 4. Class 46.

Patterson Publishing Company, Chicago, Ill. Services of a periodical. Serial No. 439,124; Mar. 4. Class 38.

Pearl Shoe Company, (See Bronstein, Abe.)

Pedigree Fabrics, Inc. New York, N. Y. Rayon and acetate fabrics in the piece. Serial No. 439,123; Mar. 4. Class 42.

Pennick, Inc. St. Louis, Mo. Shoes. Serial No. 438,898; Mar. 4. Class 39.

Pesch & Paul, Ltd. Incorporated, New York, N. Y. Tobacco syrup. Serial No. 438,038; Mar. 4. Class 45.

Photoswitch Products Co. (See Schwartzman, Samuel H.)

Pfeifer Rose Milling Company, Inc. Evansville, Ind. Flour. Serial No. 438,183; Mar. 4. Class 46.

Phoenix Manufacturing Company, Inc., Milwaukee, Wis. Screen window sash, storm window sash, combination parts, and storm doors. Serial No. 439,037; Mar. 4. Class 19.

Phosphorus Mining Company, The, New York, N. Y. Phosphorus and phosphoric acid, superphosphate, etc. Serial No. 438,443; Mar. 4. Class 1.

Pisegna, Inc. (See Bergmann, C. D.)

Portable Instrument Corporation, The, East Rockford, Ohio. Parts and accessories used for and in connection with radio receiving apparatus. Serial No. 438,331; Mar. 4. Class 21.

Powers, John G., doing business as Tidewater Beverage Co., Grand Rapids, Mich. Beverage. Serial No. 438,481; Mar. 4. Class 46.

Rayon Corporation of America, Allentown, Pa. Fibers, yarns, woven cloths, gloves, etc. Serial No. 438,347; Mar. 4. Class 36.

Red-Star Service Company, Dayton, Ohio. Printing and paint products. Serial No. 438,594; Mar. 4. Class 16.

Reingold Hosiery Co. (See Newmark, Samuel P.)

Reisman, Harris, New York, N. Y. Dresses, sweaters, and suits. Serial No. 438,134; Mar. 4. Class 39.

Rice & Fraser, Inc., Chicago, Ill. Dresses, leather trimmings and waistbands. Serial No. 438,888; Mar. 4. Class 39.

Rivera Dress Corporation, Bronx, (sic) Dresses. Serial No. 438,199; Mar. 4. Class 39.

Robinson, C. E., Cleveland, Ohio, assignor to Plough, Inc., Memphis, Tenn. Insecticide. Serial No. 438,024; Mar. 4. Class 6.

Rogers, Lloyd, doing business as Victoria Studios, Oak Park, Calif. Construction. Serial No. 438,170; Mar. 4. Class 4.

Rose Manufacturing Co., New York, N. Y. Wave setting lotion for the hair. Serial No. 438,681; Mar. 4. Class 6.

Schwartz, William A., Inc. New York, N. Y. Dresses. Serial No. 438,349; Mar. 4. Class 39.

Schwartzman, S., & Sons Inc., New York, N. Y. Overalls, aprons, etc. Serial No. 438,420; Mar. 4. Class 39.

Schwarz Furniture Corporation, New York, N. Y. Reupholstering wool, mohair, dazzette, and artificial yarn. Serial No. 438,024; Mar. 4. Class 45.

Shield Foods, Inc., Buffalo, N. Y. Canned seafoods. Serial No. 438,431; Mar. 4. Class 46.

Shipsway, Phillips, & Rice, Inc., New York, N. Y. Printing labels in one piece. Serial No. 438,264; Mar. 4. Class 42.

Shoemaker Company, (See Shaffer, Allen W.)

Spencer, William & Sons, Hartford, Conn. Water-proofing compounds. Serial No. 438,96; Mar. 4. Class 16.

Stein, Edward, New York, N. Y. Fish meal, used as an ingredient in feed for poultry and other domestic animals. Serial No. 438,449; Mar. 4. Class 46.

Stony Lonesome Garden Manufacturing Company, (See Burdick, William.)

Sunrise Anthrax, Miami Beach, Fla. Blood serum. Serial No. 438,435; Mar. 4. Class 44.

Swartzbaugh, Inc., Fremont, O. Hosiery. Serial No. 437,939; Mar. 4. Class 39.

Swan, Ruth G., New York, N. Y. Neckties. Serial No. 438,498; Mar. 4. Class 39.

Swan, Morris, Inc. New York, N. Y. Neckties. Serial No. 438,513; Mar. 4. Class 39.

Swan, Ruth G., Inc. New York, N. Y. Neckties. Serial No. 438,514; Mar. 4. Class 39.

Sweet Valley Hosiery Co., Inc., Sweet Valley, Pa. Hosiery. Serial No. 438,553; Mar. 4. Class 39.

Swift-Eckrich, Inc., Chicago, Ill. Fruits and vegetables. Serial No. 438,594; Mar. 4. Class 46.

Tallmadge Textile Corporation of America, Inc. The, New York, N. Y. Cotton colored fast color prints, photographic records. Serial No. 438,194; Mar. 4. Class 42.

Tiffanie Cosmetics, (See Cole-Dee Corporation.)

Tiffanie Company, Chicago, Ill. Cosmetics of various kinds. Serial No. 438,112; Mar. 4. Class 44.

Tiffany Company, Chicago, Ill. Cosmetics of various kinds. Serial No. 437,961; Mar. 4. Class 44.

Tiffanie Company, Chicago, Ill. Cosmetics of various kinds. Serial No. 438,160; Mar. 4. Class 44.

Tiffanie Company, Chicago, Ill. Cosmetics of various kinds. Serial No. 438,161; Mar. 4. Class 44.

Tipping Investment Co., Inc., New York, N. Y. Films. Serial No. 438,897; Mar. 4. Class 40.

Tjaden Company, The, Kalamazoo, Mich. Sterilized preparations. Serial Nos. 438,140-2; Mar. 4. Class 6.

Vendible Studios, (See Rogers, Lloyd.)

Vita Industries H. Rosen Co., D. Rosen, Secretary-Treasurer, Cleveland, Ohio. Serial No. 438,749; Mar. 4. Class 44.

Vineland Publishing Company, New York, N. Y. Magazine publications. Serial No. 438,3057; Mar. 4. Class 38.

Warwick Chemical Company, West Warwick, R. I. Chemical products used for dyeing and finishing of silk, linen, yarns, etc. Serial No. 438,748; Mar. 4. Class 4.

Washington Manufacturing Company, Tuscaloosa, Ala. Overall suits. Serial No. 437,981; Mar. 4. Class 39.

Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves of fabric. Serial No. 438,3001; Mar. 4. Class 39.

Wilson Storage Battery Company, Cleveland, Ohio. Polarization control protective. Serial No. 438,394; Mar. 4. Class 21.

Winters, Frank T., doing business as Winters Feed & Poke Company, Wooster, Ohio. Mineralized supplement. Serial No. 437,906; Mar. 4. Class 53.

Wisconsin and Illinois Company, Minneapolis, Minn. Salt as dressing, scientifically ground and compounded. Serial No. 438,476; Mar. 4. Class 46.

F. W. A. Commercial Counselor, Lexington, N. C. R. B. A. Lint and fatty powder. Serial No. 438,895; Mar. 4. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A. A. Sanding Products, Inc., New York, N. Y. Cleansing powder. Reg. No. 438,981; Mar. 4; Serial No. 438,981; published Dec. 24, 1940. Class 2.

Abbey, Dougal S., New York, N. Y. assignment with improvement. 438,840; Mar. 4; Serial No. 437,330; published Dec. 24, 1940. Class 18.

Adapt Company, The, Cleveland, Ohio. Electrical appliances. 437,826; registered May 7, 1941.

Adhesive Fabric Coating Company, (See Wagenseller, Wm.)

All-American Sales Company, New York, N. Y. Unit garment supporters. 437,626; Mar. 4; Serial No. 438,626; published Dec. 24, 1940. Class 18.

Amerikan Shirt & Suit Company, (See Supreme Shirt Manufacturing Company, assignee.)

Answering Pigeon Company, Inc., Brooklyn, N. Y. Pigeons. 438,473; Mar. 4; Serial No. 438,473; published Dec. 17, 1940. Class 46.

Anthonagen, Willis Lewellyn, Welch, assignor to Bessie Ann Fay Coughlin, of Lenox, Mo. Drain target. 141,443; renewed May 17, 1941.

Apparatus Products Co., Boston, Mass. Cushioned pads. 438,430; Mar. 4; Serial No. 438,430; published Dec. 24, 1940. Class 45.

Associated Dental Supply Company, San Francisco, Calif. Dental points, namely wedges and points, composite. 136,334; renewed Feb. 1, 1941.

Atti & Wilson Clothes & Shoes Co., Inc., Cincinnati, Ohio, and New York, N. Y. Clothes pegs and appurtenances, clothes pins. 438,104; Mar. 4; Serial Nos. 438,104, 05; published Dec. 24, 1940. Class 11.

Bayer, James E., Tarrytown, (Incorporated, Tuckahoe, N. Y. Wrinkles. 438,444; Mar. 4; Serial No. 438,444; published Dec. 24, 1940. Class 39.

Becker-Dreiss Co., Everett, Mass. Wallcovering fabrics. 138,446; renewed Jan. 28, 1941.

Beetle Bug Pushing Company, (See Imperial Pushing Company.)

Beaux Bra, Inc., (See Lachmann-Mills Company.)

Bender Sales, Incorporated, (Chas.) N. Y. Motor vehicle bodies and particularly bus bodies. 437,443; Mar. 4; Serial No. 437,443; published Dec. 24, 1940. Class 19.

Bills, Harold F., Southbridge, N. J., assignor to Bessie Bills, Wm. and Nora Bills, N. J. Condiment mix. 144,846; renewed July 15, 1941.

Bivins Manufacturing Company, Chicago, Ill. Coating powder distributing and scrambling bowls comprising particles of plating with reinforcements for tapping home conveyance, etc. 438,033; Mar. 4. Class 13.

Blumert, Edward R., Chicago, Ill., and partner and assignee of Wm. Blumert, deceased. 438,435; Mar. 4; Serial No. 438,435; published Dec. 24, 1940. Class 34.

Boyd Lewis Mills, Inc., New York, N. Y. Underwear. 437,477; Mar. 4; Serial No. 438,163; published Dec. 17, 1940. Class 39.

Boyd & Burgess, also doing business as Cascade Shrimp Co., Houma, La. Dried shrimp. 437,437; Mar. 4; Serial No. 437,566; published Dec. 24, 1940. Class 46.

Bradley Company, The New York, N. Y. Caramel candy. 438,810; Mar. 4; Serial No. 438,810; published Dec. 24, 1940. Class 50.

Brookfield Television Company, Gotham, Mass., and Minter Simpson, Inc., assignee by mesne assignments, of Brookfield Television Company, Minneapolis, Minn. 139,489; renewed Feb. 8, 1941.

Brown, Jamieson & Linde, Inc., New York, N. Y. Coats and suits and dresses. 438,114; Mar. 4; Serial No. 438,079; published Dec. 17, 1940. Class 39.

Bush's Inc., Cleveland, Ohio. Pipe and fuel-standard coupling. 140,9 [illegible] etc. 438,456; Mar. 4; Serial No. 438,456; published Dec. 17, 1940. Class 20.

Cable Tackaberry Corporation, (See Cable Tackaberry Co., Inc., Cable-Tackaberry Co.)

Carmen Flute Scott & Company, Chicago, Ill. Unassorted candidates. 441,442; Mar. 4; Serial No. 441,442; published Dec. 24, 1940. Class 53.

Carson Pirie Scott & Company, Chicago, Ill. Dishes of china and porcelain. 440,440; Mar. 4; Serial No. 440,440; published Dec. 24, 1940. Class 50.

Chadeloid Chemical Company, (Continued), (See Wood Preparations for general purposes.) 39,774; renewed Feb. 11, 1941.

Chance Brothers, South Manchester, to Chance Brothers, Hartford, Conn. Certain enamel lighter. 136,276; renewed Feb. 4, 1941.

Chrysler Corporation, Highland Park, Mich. Fabric cleaning, (See chalked and pulverulent top dressing.) 437,447; Mar. 4; Serial No. 438,486; published Dec. 24, 1940. Class 4.

Church & Dwight Co. Inc., New York, N. Y. Baking powder. 440,440; Mar. 4; Serial No. 437,284; published Dec. 24, 1940. Class 46.

Clear Cut Knitting Mills, (See Rubens, Raymond B.)

Clearview Products Co., (See Pinkus, Jacob.)

Cohen, Goldman & Co., Inc., New York, N. Y. Overpants, topcoats and suits. 440,442; Mar. 4; Serial No. 440,442; published Dec. 17, 1940. Class 39.

Coles, Harmon, Lockart County Company, Hartmont, Md. Dogs as gate stocking. 440,440; Mar. 4; Serial No. 440,440; published Dec. 10, 1940. Class 38.

Commissioned Cigar Corporation, New York, N. Y. Cigars and cigarettes. 440,440; Mar. 4; Serial No. 440,440; published Dec. 24, 1940. Class 45.

Commissioned Cigar Corporation, New York, N. Y. Cigars and cigarettes. 440,440; Mar. 4; Serial No. 440,440; published Dec. 24, 1940. Class 45.

Courtenay Cleaners, Inc. (See Hyde, Harold F., assignor.)

Crane Company, Chicago, Ill., by change of name to Crane Co., Chicago pipe fittings and valves. 142,927; renewed June 17, 1941.

Curtiss Wright Corporation, New York, N. Y. Aircraft propellers and structural parts thereof. 380,320; Mar. 4. Class 19.

Dayton Tire Rubber Inc., New York, N. Y. Refrigerators. 440,440; Mar. 4. Class 21.

Diamond Match Company, The, New York, N. Y. Safety matches. 440,442; Mar. 4; Serial No. 436,797-8; published Dec. 24, 1940. Class 40.

Dixie L. E. Plumbing and Heating, Pasadena, Calif. Swing sports dresses, beach suits, etc. 437,434; Mar. 4; Serial No. 437,579; published Dec. 24, 1940. Class 39.

Dr. Irene Joseph, doing business as Dr. Irene & Company, Detroit, Mich. Shampooing and wave. 440,440; Mar. 4; Serial No. 437,579; published Dec. 24, 1940. Class 44.

Dr. Irene Joseph, doing business as Dr. Irene & Company, Detroit, Mich. Shampooing and wave. 440,440; Mar. 4; Serial No. 437,579; published Dec. 24, 1940. Class 44.

Dubuisson, Paul, S. A. Le Chaux-de-Fonds, Switzerland, to Fabrique Suisse des Montres Paul Dubuisson, Société Anonyme, Geneva, Switzerland, successor. Timepieces. 136,766; renewed Feb. 22, 1941.

Dubuisson, Paul, S. A. Le Chaux-de-Fonds, Switzerland, to Fabrique Suisse des Montres Paul Dubuisson, Société Anonyme, Geneva, Switzerland, successor. Timepieces. 136,766; renewed Feb. 22, 1941.

Dunlop Cotton Concords, Limited, Quebec, Quebec, Canada. Cotton piedbag breeziers and foundation garments. 440,442; Mar. 4. Class 39.

Duthiuth, Ed. Temple, Tex. Cotton seed. 283,561; Mar. 4; Serial No. 436,688; published Dec. 24, 1940. Class 1.

Dow Chemical Company, The, Midland, Mich. Chemical preparations. 140,558; renewed Mar. 25, 1941.

Dowell Incorporated, Midland, Mich. Lamellar material. 283,046; Mar. 4; Serial No. 435,128; published Dec. 17, 1940. Class 30.

Dupree, Julius, Inc., Elizabeth, N. J. Housecoats. 440,994; Mar. 4; Serial No. 436,295; published Dec. 17, 1940. Class 39.

Du Pont, E. I., de Nemours & Company, as assignee of Du Pont Fabrikoid Company, assignee to E. I. du Pont de Nemours and Company, Wilmington, Del. Imitation or artificial leather. 142,991; renewed May 24, 1941.

Du Pont, E. I. de Nemours and Company, Wilmington, Del. Dyestuffs. 143,392; renewed June 9, 1941.

Earnshaw Knitting Company, Newton, Mass. Protective garments. 307,425-6; Mar. 4; Serial Nos. 436,118-9; published Dec. 17, 1940. Class 39.

Ed. Bunn Wholesale Grocery Company, El Reno, Okla. Coffee. 139,528; renewed Feb. 5, 1941.

Edw. A. Walker Dry Goods Company, St. Louis, Mo. Handkerchiefs of all cotton, cotton and wool, and all wool. 139,293; renewed Feb. 1, 1941.

Ehrett, Albert W., doing business as Ehrett Art Corners Mfg. Co., Chicago, Ill. Picture or sheet mounting devices. 139,134; renewed Jan. 28, 1941.

Fabrique Suisse des Montres Paul Dubuisson, Société Anonyme, (See Dubuisson, Paul, S. A.)

Fashioncraft, Inc., Cambridge, Mass. Raincoats; 385,462; Mar. 4; Serial No. 434,480; published Dec. 17, 1940. Class 39.

Fine Products Corporation. (See Hollingsworth Candy Co., assignor.)

Finkel, Jacob, doing business as Cleanser Products Co., Philadelphia, Pa. Water soluble cleaning powder; 385,435; Mar. 4; Serial No. 419,709; published Sept. 18, 1940. Class 4.

Firestone Tire & Rubber Company, The. (See Guilford Tire Company, The, assignor.)

Funk & Wagnalls Company, assignor to Funk & Wagnalls Company, New York, N. Y. Publications relating to the study of languages; 143,900; renewed May 24, 1941.

Funk & Wagnalls Company, assignor to Funk & Wagnalls Company, New York, N. Y. Phonograph records; 144,397; renewed July 3, 1941.

Gartelman, William C., Chicago, Ill. Milk bottle caliers; 385,440; Mar. 4; Serial No. 430,906; published Dec. 24, 1940. Class 50.

Gee, Frances, Garment Co., Kansas City, Mo. Dresses and uniforms, and play clothes; 385,531; Mar. 4. Class 39.

General Fireproofing Company, The, Youngstown, Ohio. Safes, keys, locks, safe fittings, and safe insulators and parts thereof; 143,614; renewed June 7, 1941.

Glaco Company, Inc., The, East Rutherford, N. J. Nail polish; 385,530; Mar. 4. Class 6.

Goldenberg, D., Inc., Philadelphia, Pa. Candy; 385,483; Mar. 4; Serial No. 427,142; published Dec. 24, 1940. Class 46.

Grace Company, The, Bolton, Mo. Children's play clothes; 385,472; Mar. 4; Serial No. 435,791; published Dec. 17, 1940. Class 39.

Graef, W. P., Company, New York, N. Y. Bathing suits; 385,500; Mar. 4; Serial No. 436,648; published Dec. 17, 1940. Class 39.

Grushlaw & Sichel, Philadelphia, Pa., assignor by mesne assignments, to Suffolk Knitting Company, Lowell, Mass. Knitted jackets; 143,681; renewed May 24, 1941.

Hall Baking Company. (See Memphis Bread Company, assignor.)

Hartmann Trunk Company, Racine, Wis. Rubberoid trunks, luggage carriers, etc.; 385,409; Mar. 4; Serial No. 436,569; published Dec. 24, 1940. Class 3.

Health-O-Lax. (See Mueller, Joseph H.)

Hall, Norman E., doing business as My T-Good Distributors, Ridgewood and Paterson, N. J. Hand cleaner; 385,527; Mar. 4. 1941.

Helmbrecht, C. Ludwig, doing business as Rollins & Co., New York, N. Y. Buttons; 144,794; renewed July 19, 1941.

Hodge, William R., Company, Charlotte, N. C. Humidifiers, air conditioners, and circulating fans; 385,443; Mar. 4; Ser. No. 427,7094 published Dec. 24, 1940. Class 34.

Hollingsworth Candy Co., assignor to Fine Products Corporation, Augusta, Ga. Candy; 143,049; renewed May 24, 1941.

Hostex Mfg. Co., El Paso, Tex. Children's play suits; 385,497; Mar. 4; Serial No. 436,472; published Dec. 10, 1940. Class 39.

Hubinger Company, The, Keokuk, Iowa. Corn syrup; 385,519; Mar. 4; Serial No. 436,970; published Dec. 24, 1940. Class 46.

Hunter Packing Company, East St. Louis, Ill. Sausage; 385,535; Mar. 4. Class 46.

Hyde Manufacturing Company, Southbridge, Mass. Knives, edge tools, and handles; 144,589; renewed July 12, 1941.

Hydrocarbon Chemical and Rubber Company, Akron, Ohio. Composition of material; 385,478; Mar. 4; Serial No. 437,068; published Dec. 24, 1940. Class 1.

Illinois Lock Company, The, Chicago, Ill. Key locks; 385,490; Mar. 4; Serial No. 437,372; published Dec. 24, 1940. Class 25.

Imperial Packing Company, Canajoharie and New York, as Beech Nut Packing Company, Canajoharie, N. Y., successor. Hams and bacon; 19,838; re-renewed July 7, 1941.

International Agricultural Corporation, New York, N. Y. Fertilizers and fertilizer materials; 385,520; Mar. 4; Serial No. 437,601; published Dec. 24, 1940. Class 19.

International Shoe Company. (See Platt, Thomas H., Company, assignor.)

Jacob, H., & Sons, Inc., assignor to Marvale Mills, Inc., New York, N. Y. Veils and veilings and mottings in the piece; 144,983; renewed June 21, 1941.

Jeannette Glass Company, The, Jeannette, Pa. Tumblers, jam and sauce servers, pitchers, etc.; 385,451; Mar. 4; Serial No. 431,208; published Dec. 24, 1940. Class 32.

Kaye, Harry, doing business as H. Kaye & Compy, Toronto, Ontario, Canada. Jackets, trousers, ski shorts, etc.; 385,460; Mar. 4; Serial No. 434,150; published Dec. 10, 1940. Class 39.

Keystone Hair Insulator Company, Pittsburgh, Pa., assignor, by mesne assignments, to American Hair & Felt Company, Chicago, Ill. Insulating sheeting; 144,592; renewed July 12, 1941.

Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co., Inc., New York, N. Y. Coal tar colors; 19,852; re-renewed June 30, 1941.

Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co., Inc., New York, N. Y. Paint colors for foods and for confections; 144,596; renewed July 12, 1941.

Kress, S. H., and Company, New York, N. Y. Hosiery; 385,459; Mar. 4; Serial No. 434,841; published Dec. 17, 1940. Class 36.

Kress, S. H., and Company, New York, N. Y. Garment bags, shoe bags, paper plates, etc.; 385,480; Mar. 4; Serial No. 424,881; published Dec. 24, 1940. Class 2.

Langley & Michaels Co., San Francisco, Calif., to W. Hunt J. Wertin, Trustee of the Estate of Michaels & Langley, Inc., Oakland, New York, N. Y., successor. Candies; 146,417; renewed Mar. 18, 1941.

La Yoshiwa Company, Inc., Marcus J., Corpus, 385,441; Mar. 4; Serial No. 425,701; published Dec. 24, 1940. Class 17.

Libbertson Sandbaum Corp., New York, N. Y. Women's and misses coats, suits, etc.; 385,493; Mar. 4; Serial No. 436,143; published Dec. 10, 1940. Class 39.

Lido Lingerie Company, New York, N. Y. Lingerie; 385,450; Mar. 4; Serial No. 433,904; published Dec. 17, 1940. Class 39.

Lichtl, Robert R., Jr., Los Angeles, Calif. Containers for cooling potions in percolators; 385,444; Mar. 4; Serial No. 419,894; published Dec. 24, 1940. Class 2.

Loose Wiles Biscuit Company, Long Island City, N. Y. Cakes, crackers, and biscuits; 141,594; renewed April 26, 1941.

Loose Wiles Biscuit Company, Chicago, Ill. Cakes; 143,074; renewed May 24, 1941.

Louisville Cement Company, Louisville, Ky. Portland cement; 144,600; renewed June 21, 1941.

Macy, R. H., & Co., Inc., New York, N. Y. Hosiery. Allowed 141,606; renewed Apr. 29, 1941.

Macy, R. H., & Co., Inc., New York, N. Y. Men's hats; 143,681; renewed June 7, 1941.

Macy, R. H., & Co., Inc., New York, N. Y. Opera and field glasses; 144,197; renewed June 28, 1941.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Clocks; 385,502; Mar. 4; Serial No. 436,971; published Dec. 24, 1940. Class 27.

Marvale Mills, Inc. (See Jacob, H., & Sons, Inc., assignor.)

Master Refrigerated Locker Systems, Inc., Sioux City, Iowa. Metal storage lockers; 385,534; Mar. 4. Class 3.

McKesson & Robbins, Inc. (See Langley & Michaels Co.)

Memphis Bread Company, Memphis, Tenn., assignee, by mesne assignments, to Hall Baking Company, New York, N. Y. Bread and cake; 144,997; renewed July 12, 1941.

Metalizing Engineering Co., Inc., Long Island City, N. Y. Metal protective coatings; metal metallizing wires and guns, spools bare, melting pots, etc.; 385,445; Mar. 4; Serial No. 423,994; published Dec. 24, 1940. Class 23.

Midwest Manufacturing Company, Detroit, Mich. Floor wax, scratch remover preparation, etc.; 385,499; Mar. 4; Serial No. 428,986; published Dec. 24, 1940. Class 16.

Mighanell Brothers, Baltimore, Md. Wraps; 385,481; Mar. 4; Serial No. 427,210; published Dec. 24, 1940. Class 41.

Miller, Edward L., Buffalo, N. Y. Aspirin; 144,812; renewed July 12, 1941.

Mission Citrus Growers Union, Mission, Tex. Fresh citrus fruits; 385,488-I; Mar. 4; Serial Nos. 437,067-S; published Dec. 24, 1940. Class 46.

Modine Manufacturing Company, Racine, Wis. Automobile radiators; 144,442; renewed July 5, 1941.

Mueller, Joseph H., doing business as Health-O-Lax Laboratories, Cleveland, Ohio. Medicinal preparations; 144,613; renewed July 12, 1941.

My T-Good Distributors. (See Hall, Norman E.)

Nash, C. A. & Son, Inc., Norfolk, Va. Paints, pigments, colors, etc.; 144,614; renewed July 12, 1941.

Nash C. A. & Son, Inc., Norfolk, Va. Paint and painters' materials; 142,431; renewed May 17, 1941.

National Bronze & Aluminum Foundry Company, The, Cleveland, Ohio. Ingots, castings and the like of aluminum alloy; 385,458; Mar. 4; Serial No. 433,585; published Dec. 24, 1940. Class 14.

National Ring Traveler Co., Providence, R. I. Ring travelers; 144,251; renewed June 28, 1941.

Nettleton Company. (See Platt, Arthur W.)

Norland Shepherd Industries, N. Y. Combined fuel vaporizing and flame deflecting baffles for oil burning fire chambers; 385,524; Mar. 4. Class 24.

Northern Wisconsin Produce Company, Manitowoc, Wis. Eggs; 139,591; renewed Feb. 8, 1941.

Oldfield Tire Company, The, Cleveland, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tires and tire accessories; 138,592; renewed Feb. 8, 1941.

Ontario Shelving Co. (See Penn & Borgerson.)

Ox Fibre Brush Company, Inc., Frederick, Md., and New York, N. Y. Hair brushes; 385,525; Mar. 4; Serial No. 427,013; published Dec. 24, 1940. Class 28.

Pacific Fruit & Produce Company, Seattle, Wash. Fresh vegetables, fresh deciduous fruits; 385,540; Mar. 4. Class 46.

Pacific Lumber Company, The, San Francisco, Calif. Shredded bark fiber; 385,486; Mar. 4; Serial No. 427,214; published Dec. 24, 1940. Class 1.

Pacific Marine Products, Astoria, Oreg. Canned fish, fresh frozen and salted fish and fish meal; 385,437; Mar. 4; Serial No. 427,841; published Dec. 24, 1940. Class 46.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Vacuum bottles and wood, paper metal, etc., lunch boxes; 385,479; Mar. 4; Serial No. 427,075; published Dec. 24, 1940. Class 2.

Petroleum Heat and Power Company, New York, N. Y. Oil burners, gas burners, oil and gas fired boilers, furnaces, etc.; 385,436; Mar. 4; Serial No. 427,293; published Dec. 24, 1940. Class 34.

Petroleum Heat and Power Company, New York, N. Y. Oil and gas burners, oil and gas fired boilers, etc.; 385,446; Mar. 4; Serial No. 428,010; published Dec. 24, 1940. Class 34.

Pfister & Vogel Tanning Co., Milwaukee, Wis. Leather; 385,542; Mar. 4. Class 1.

Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate; 139,186; renewed Jan. 22, 1941.

Pitts, Arthur W., doing business as Nephron Company, Tacoma, Wash. Vaporizers or nebulizers; 385,529; Mar. 4. Class 44.

Plant, Thomas G., Company, Boston, Mass., assignor, by mesne assignments, to International Shoe Company, St. Louis, Mo. Boots, shoes and slippers; 114,913; renewed July 19, 1941.

Por Larrañaga, Fabrica de Tabacos, S. A., Habana, Cuba. Cigars; 385,467; Mar. 4; Serial No. 434,946; published Dec. 24, 1940. Class 17.

Queen Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Typewriter ribbons and carbon paper; 385,514; Mar. 4; Serial No. 436,854; published Dec. 24, 1940. Class 11.

Quigley Furnace Specialties Co., Incorporated, to Quigley Company, Inc., New York, N. Y., successor. Refractory brick; 143,940; renewed June 8, 1941.

Rand Rubber Company, Brooklyn, N. Y. Dress shields; 385,545; Mar. 4. Class 40.

Rubber Heels, Inc., Los Angeles, Calif. Cake mat and soling; 385,485; Mar. 4; Serial No. 426,246; published Dec. 24, 1940. Class 44.

Ruh Wing Company, Inc., The, Frederick, N. Y., to The Ruh Wing Company, Inc., Chicago, Ill., and Frederick, N. Y., successor. Apple cider, apple juice, and grape juice; 139,818; renewed Feb. 8, 1941.

Rhodes Manufacturing Company, Orange, Mass. Mine hoists, mucking-machine driving, oil wells, pump actuators, etc.; 144,866; renewed July 19, 1941.

Roebling Coal Co., Inc., Newark, N. J. Coal; 385,434; Mar. 4; Serial No. 419,438; published Dec. 24, 1940. Class 1.

Rudowe, Raymond R., doing business as Class-Tex Knit Goods Mill, Orwigsburg, Pa. Knit underwear, hosiery, mufflers, and sweat shirts, sweaters, etc.; 385,468; Mar. 4; Serial No. 432,439; published Dec. 17, 1940. Class 36.

Rollins & Co. (See Helmbrecht, C. Ludwig.)

Samuels & Blair, Montreal, Quebec, Canada. Vehicle pillow seats, motor-cycle luggage carriers, and parts; 385,461; Mar. 4; Serial No. 434,286; published Dec. 24, 1940. Class 18.

Sapphire Hosiery Corporation, Philadelphia, Pa. Hosiery; 385,471; Mar. 4; Serial No. 435,700; published Dec. 17, 1940. Class 39.

Schoenfeld & Weil, Inc., New York, N. Y. Handbags of leather, cloth, and/or combinations thereof; 385,492; Mar. 4; Serial No. 437,391; published Dec. 24, 1940. Class 3.

Scranton Lace Company, The, Scranton, Pa. Curtains and curtain fabrics; 385,523; Mar. 4. Class 42.

Seligsberger, H. A. Company, The, Cincinnati, Ohio. Men's clothing; 385,487; Mar. 4; Serial No. 436,482; published Dec. 17, 1940. Class 39.

Shatzov, Joseph D., Inc., New York, N. Y. Men's neckwear, scarves and raincoats; 385,533; Mar. 4; Serial No. 436,794; published Dec. 10, 1940. Class 39.

Skaggs Products, Inc., Goshen, Ind. Play suits; 385,447; Mar. 4; Serial No. 429,376; published Dec. 10, 1940. Class 39.

Sloan, A. R., Manufacturing Company, Decatur, Ill. Syrups for table use; 143,777; renewed May 17, 1941.

Stephenson Brothers, Philadelphia, Pa. Smoking tobacco; 385,501; Mar. 4; Serial No. 437,184; published Dec. 24, 1940. Class 17.

Strauss Royer & Strauss, Inc., Baltimore, Md. Slacks, overalls, playsuits etc.; 385,517; Mar. 4; Serial No. 436,940; published Dec. 24, 1940. Class 39.

Suffolk Knitting Company. (See Grushlaw & Sichel, assignor.)

Superior Biscuit Company, Los Angeles, Calif. Salted wafers, graham crackers, rye crackers, etc.; 385,529; Mar. 4. Class 46.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Cellulose sausage casings; 385,491; Mar. 4; Serial No. 437,397; published Dec. 24, 1940. Class 2.

Texas Company, The, Houston, Tex., and New York, assignor to The Texas Company, New York, N. Y. Composition felt roofing; 142,153; renewed May 3, 1941.

Texas Company, The, Houston, Tex., and New York, assignor to The Texas Company, New York, N. Y. Kerosene oil; 141,250; renewed April 12, 1941.

Transparent Cover Co., Chicago, Ill. Garment bags, powder puff bags, boudoir envelopes, etc.; 385,467; Mar. 4; Serial No. 435,150; published Dec. 24, 1940. Class 2.

Union Chain & Manufacturing Company, The, Seville, to The Union Chain and Manufacturing Company, Sandusky, Ohio. Belting and chains and links therefor for elevating, conveying and power transmission; 139,416; renewed Feb. 1, 1941.

Union Chain & Manufacturing Company, The, Seville, to The Union Chain and Manufacturing Company, Sandusky, Ohio. Cast-tooth sprockets, friction clutches, and speed reducers, etc.; 141,256; renewed April 12, 1941.

United Cigar-Whelan Stores Corporation, New York, N. Y. Cold cream, all purpose lotion and all purpose cream; 385,533; Mar. 4. Class 6.

United Wall Paper Factories, Inc., Chicago, Ill. Wall paper cleaner; 385,513; Mar. 4; Serial No. 436,864; published Dec. 24, 1940. Class 4.

Universal Slide Fastener Company, Inc., New York, N. Y. Slide fasteners; 385,522; Mar. 4. Class 13.

Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Paper clips; 385,544; Mar. 4. Class 37.

Walworth Manufacturing Company, Boston, Mass., by change of name to Walworth Company, Steam, water, and gas pipe fittings and steam, water, and gas valves; 142,346; renewed May 10, 1941.

Walworth Manufacturing Company, Boston, Mass., by change of name to Walworth Company. Pipe fitting tools; 143,507; renewed May 31, 1941.

Wardell, William J., trustee. (See Langley & Michaels Co.)

Wassermann, Rene, doing business as Adherex Pulley Coating Company, New York, N. Y. Pulley coating and covering; 385,474; Mar. 4; Serial No. 436,069; published Dec. 24, 1940. Class 4.

Wayne Oil Tank & Pump Company, assignor to The Wayne Pump Company, Fort Wayne, Ind. Nozzles and nozzle casings; 139,650; renewed Jan. 18, 1941.

Webster, Jane S., New York, N. Y. Tissue, cleansing, etc., cream, lotions etc.; 385,535; Mar. 4. Class 6.

Western Cartridge Company. (See Winchester Repeating Arms Company, assignor.)

Western Electric Company, Incorporated, New York, N. Y. Compounds used to aid the process of soldering; 139,910; renewed Feb. 22, 1941.

Western Grocer Company, Marshalltown, Iowa. Coffee; 139,429; renewed Feb. 1, 1941.

Wichita Rogers Milling Company, Inc., Washington, D. C. Wheat flour; 141,017; Mar. 29. Class 46.

Wilson, Frank M., Company, San Francisco, Calif. Canned fruits; 385,543; Mar. 4, Class 46.

Winchester Repeating Arms Company, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, East Alton, Ill., and New Haven, Conn. Firearms and ammunition and pyrotechnic supplies; 142,253; renewed May 10, 1941.

Wright, William F., & Sons Company, The, West Warren, Mass. Ribbons, silks, cottons, etc., in the piece; 385,536; Mar. 4. Class 42.

Zenith Radio Corporation, Chicago, Ill. Paper and cardboard shipping containers; 385,457; Mar. 4; Serial No. 423,845; published Dec. 24, 1940. Class 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bark Fiber, Shredded. Pacific Lumber Company; 385,486; Mar. 4; Serial No. 427,214; published Dec. 24, 1940.

Coal. Roebling Coal Co., Inc.; 385,434; Mar. 4; Serial No. 419,438; published Dec. 24, 1940.

Compositions of material. Hydrocarbon Chemical and Rubber Company; 385,478; Mar. 4; Serial No. 437,068; published Dec. 24, 1940.

Leather. Pfister & Vogel Tanning Co.; 385,542; Mar. 4.

Wool, Cotton, E. Dontzerl; 143,591; Mar. 4; Serial No. 436,965; published Dec. 24, 1940.

CLASS 2

Bags, Grain. Androscoggin Mills; 142,431; renewed May 17, 1941.

Bags made of cloth, shoe bags, paper plates, etc., Garment. S. H. Kress and Company; 385,480; Mar. 4; Serial No. 424,881; published Dec. 24, 1940.

Bags, powder puff bags, boudoir envelopes, etc., Garment. Transparent Cover Co.; 385,467; Mar. 4; Serial No. 435,150; published Dec. 24, 1940.

Bottles and wood, paper, metal, etc., lunch boxes, Vacuum. J. C. Penney Company; 385,479; Mar. 4; Serial No. 427,075; published Dec. 24, 1940.

Casings, Cellulose sausage. Sylvania Industrial Corporation. 385,401; Mar. 4; Serial No. 437,397; published Dec. 24, 1940.
Containers for feeding poisons to pigmentes. R. B. Lofld, Jr. 385,444; Mar. 4; Serial No. 428,896; published Dec. 24, 1940.
Containers, Paper and carboard shipping. Zenith Radio Corporation. 385,457; Mar. 4; Serial No. 433,846; published Dec. 24, 1940.
Lockers, Metal storage. Master Refrigerated Locker Systems, Inc. 385,534; Mar. 4.

CLASS 3

Handbags of leather, cloth, and/or combinations thereof. Schoenfeld & Wolf, Inc. 385,492; Mar. 4; Serial No. 437,391; published Dec. 24, 1940.
Suitcases, trunks, luggage carriers, etc. Hartmann Trunk Company. 385,409; Mar. 4; Serial No. 430,569; published Dec. 24, 1940.

CLASS 4

Cleaner, glass cleaner and automobile top dressing. Fabric. Chrysler Corporation. 385,448; Mar. 4; Serial No. 430,484; published Dec. 24, 1940.
Cleaner, Hand. N. E. Heil. 385,527; Mar. 4.
Cleaner, Wall paper. United Wall Paper Factories, Inc. 385,515; Mar. 4; Serial No. 436,364; published Dec. 24, 1940.
Cleansing powder. A. A. Quality Products, Inc. 385,473; Mar. 4; Serial No. 435,095; published Dec. 24, 1940.
Cleansing powder, Water soluble. J. Finzel. 385,433; Mar. 4; Serial No. 419,799; published Sept. 19, 1939.
Coating and covering, Pulley. R. Wassermann. 385,474; Mar. 4; Serial No. 436,669; published Dec. 24, 1940.

CLASS 6

Aspirin. E. L. Miller. 144,612; renewed July 12, 1941.
Chemical preparations. Dow Chemical Company. 140,388; renewed Mar. 22, 1941.
Colors, Coal tar. H. Kohnstamm & Co. 19,825; renewed June 30, 1941.
Colors for foods and ingredients, Paste. H. Kohnstamm & Co. 144,506; renewed July 12, 1941.
Compounds used to aid the process of soldering. Westeren Electric Company. 139,916; renewed Feb. 22, 1941.
Cream, all purpose lotion and all purpose cream, Cold. United Cigar-Whelan Stores Corporation. 385,553; Mar. 4.
Cream, cleansing cream, lotions, etc., Tissue. J. S. Webster. 385,538; Mar. 4.
Dental pastes, mouth washes, and pyorrhea remedies. Associated Dental Supply Company. 139,241; renewed Feb. 1, 1941.
Dyestuffs. E. I. du Pont de Nemours and Company. 143,504; renewed June 7, 1941.
Embalming fluid. Boecher Hollins Co. 139,944; renewed Jan. 18, 1941.
Medicinal preparations. J. H. Mueller. 144,613; renewed July 12, 1941.
Nail polish. Glaso Company. 385,530; Mar. 4.
Sodium silicate. Philadelphia Quartz Company. 139,180; renewed Jan. 28, 1941.

CLASS 9

Firearms and ammunition and pyrotechnic supplies. Winchester Repeating Arms Company. 142,853; renewed May 10, 1941.

CLASS 10

Fertilizers and fertilizer materials. International Agricultural Corporation. 385,520; Mar. 4; Serial No. 427,001; published Dec. 24, 1940.

CLASS 11

Carbon paper and typewriter ribbons. Ault & Wiborg Carbon & Ribbon Co. 385,504-11; Mar. 4; Serial Nos. 436,788-95; published Dec. 24, 1940.
Typewriter ribbons and carbon paper. Queen Ribbon & Carbon Co. 385,514; Mar. 4; Serial No. 436,858; published Dec. 24, 1940.

CLASS 12

Brick, Refractory. Quigley Furnace Specialties Co. 142,040; renewed June 8, 1940.
Cement, Portland. Louisville Cement Company. 144,600; renewed July 12, 1941.
Insulating sheeting. Keystone Hair Insulated Company. 144,602; renewed July 12, 1941.
Roofing, Composition felt. Texas Company. 142,133; renewed May 1, 1941.

CLASS 13

Belting and chains and links therefor. Union Chain & Manufacturing Company. 139,419; renewed Feb. 1, 1941.
Coating material distributing and circulating units comprising installations of piping with mouthrooms for tapping, hose connections etc. Blaks Manufacturing Company. 385,517; Mar. 4.
Fasteners, Slide. Universal Slide Fastener Company. 385,522; Mar. 4.
Nozzles and nozzle castings. Wayne Oil Tank & Pump Company. 140,050; renewed Jan. 18, 1941.
Pipe fittings and valves. Crane Company. 143,937; renewed June 21, 1941.
Pipe fittings, and steam, water, and gas valves. Steam water and gas. Walworth Manufacturing Company. 142,346; renewed May 13, 1941.
Pressure indicators, Gas. Air Reduction Sales Company. 385,439; Mar. 4; Serial No. 434,098; published Dec. 24, 1940.
Sprays, faucets, bath racks, etc., Swing. L. E. Plant Plumbing and Heating. 385,414; Mar. 4; Serial No. 432,879; published Dec. 24, 1940.

CLASS 14

Ingots, castings and the like of aluminum alloy. National Bronze & Aluminum Foundry Company. 385,434; Mar. 4; Serial No. 433,886; published Dec. 24, 1940.

CLASS 15

Kerosene oil. Texas Company. 141,250; renewed April 12, 1941.

CLASS 16

Paints and painters' materials. C. A. Nash & Sons. 142,631; renewed May 17, 1941.
Paints, pigments colors, etc. C. A. Nash & Son, Inc. 144,814; renewed July 12, 1941.
Wax Scratch remover preparation. Floor. Midwest Manufacturing Company. 385,469; Mar. 4; Serial No. 435,886; published Dec. 24, 1940.

CLASS 17

Cigars. La Yebana Company. 385,441; Mar. 4; Serial No. 425,701; published Dec. 24, 1940.
Cigars. Por Larrañaga. Fabrica de Tabacos, S. A. 385,463; Mar. 4; Serial No. 434,949; published Dec. 24, 1940.
Cigars and cigarettes. Consolidated Cigar Corporation. 385,464; Mar. 4; Serial No. 435,048; published Dec. 24, 1940.
Cigars and cigarettes. Consolidated Cigar Corporation. 385,465; Mar. 4; Serial No. 435,119; published Dec. 24, 1940.
Tobacco, Smoking. Stephano Brothers. 385,485; Mar. 4; Serial No. 437,184; published Dec. 24, 1940.

CLASS 19

Aircraft propellers and structural parts thereof. Curtiss-Wright Corporation. 385,528; Mar. 4.
Boats, Auxiliary sail. D. B. Abbott. 385,442; Mar. 4; Serial No. 427,126; published Dec. 24, 1940.
Radiators, Automobile. Modine Manufacturing Company. 144,443; renewed July 5, 1941.
Seats, motor-cycle luggage carriers and propaganda. Vehicle pillion. Bennett & Blair. 385,431; Mar. 4; Serial No. 434,290; published Dec. 24, 1940.
Vehicle bodies, and particularly bus bodies. Motor Bender Bodies Incorporated. 385,445; Mar. 4; Serial No. 428,746; published Dec. 24, 1940.

CLASS 21

Electrical appliances. Adapti Company. 141,526; renewed May 3, 1941.

CLASS 23

Knives, edge tools and handles. Hyde Manufacturing Company. 144,486; renewed July 12, 1941.
Ring travelers. National Ring Traveler Co. 144,251; renewed June 28, 1941.
Spinnerets, friction-clutches and speed reducers. Cast iron. Union Chain & Manufacturing Company. 141,256; renewed Apr. 12, 1941.
Tools, Pipe fitting. Walworth Manufacturing Company. 143,307; renewed May 31, 1941.

CLASS 25

Locks, Key. Illinois Lock Company. 385,486; Mar. 4; Serial No. 437,373; published Dec. 24, 1940.
Safes, keys, locks, safedeposits and safe interiors and parts thereof. General Fireproofing Company. 143,633; renewed June 7, 1941.

CLASS 26

Glasses, Opera and field. R. H. Macy & Co. 144,197; renewed June 28, 1941.

CLASS 27

Clocks, Mahogany. Maxwell & Moore, Incorporated. 385,502; Mar. 4; Serial No. 436,973; published Dec. 24, 1940.
Timepieces. Paul Ditisheim S. A. 139,780; renewed Feb. 22, 1941.
Timepieces. Paul Ditisheim S. A. 139,781; renewed Feb. 22, 1941.

CLASS 29

Brushes, Hair. Ox Fibre Brush Company. 385,521; Mar. 4; Serial No. 437,515; published Dec. 24, 1940.

CLASS 30

Dishes of china and porcelain. Carson Pirie Scott & Company. 385,499; Mar. 4; Serial No. 437,302; published Dec. 24, 1940.

CLASS 31

Refrigerators. Davega City Radio Inc. 385,532; Mar. 4.

CLASS 33

Tumblers, Decorated. Carson Pirie Scott & Company. 385,488; Mar. 4; Serial No. 437,302; published Dec. 24, 1940.
Tumblers, jam and sauce servers, pitchers, etc. Jeannette Glass Company. 385,461; Mar. 4; Serial No. 431,208; published Dec. 24, 1940.

CLASS 34

Air purifying and ozonizing units. E. H. Blosser. 385,433; Mar. 4; Serial No. 410,131; published Dec. 24, 1940.
Baffles for oil burning fire chambers, Combined fuel, vaporizing and flame deflecting. Gothard Nordlund. 385,524; Mar. 4.
Bases and pots, grate bars, melting pots, etc., Heat corrosion resistant metal carburizing. Metallizing Engineering Co. 385,446; Mar. 4; Serial No. 428,964; published Dec. 24, 1940.
Burners, oil and gas fired boilers, furnaces, etc., Oil and gas. Petroleum Heat and Power Company. 385,436; Mar. 4; Serial No. 422,365; published Dec. 24, 1940.
Burners, oil and gas fired boilers, furnaces, etc., Oil and gas. Petroleum Heat and Power Company. 385,440; Mar. 4; Serial No. 425,010; published Dec. 24, 1940.
Humidifiers, air conditioners and circulating fans. William B. Hodge Company. 385,443; Mar. 4; Serial No. 427,749; published Dec. 24, 1940.

CLASS 35

Tires and tire accessories. Oldfield Tire Company. 139,563; renewed Feb. 8, 1941.

CLASS 36

Records, Phonograph. Park & Wagnalls Company. 144,397; renewed July 5, 1941.

CLASS 37

Moistening, marriage-applying devices, ink wells, etc. Rivet-O Manufacturing Company. 144,899; renewed July 19, 1941.
Paper clips. Waldes Kohl-I-Noor, Inc. 385,544; Mar. 4.
Paper for general purposes, Wrapping. Chatfield & Woods Company. 139,776; renewed Feb. 22, 1941.
Pictures or object mounting devices. A. W. Engel. 139,124; renewed Jan. 28, 1941.

CLASS 38

Publications. Park & Wagnalls Company. 142,009; renewed May 24, 1941.

CLASS 39

Boots, shoes, and slippers. Thomas G. Plant Company. 144,915; renewed July 19, 1941.
Clothes, Children's play. Grace Company. 385,472; Mar. 4; Serial No. 435,791; published Dec. 17, 1940.
Clothing, Boys' or girls'. Herman Cohn Leather Goods Company. 385,422; Mar. 4; Serial No. 433,296; published Dec. 10, 1940.
Clothing, Men's. H. A. Steinthaus Company. 385,498; Mar. 4; Serial No. 436,485; published Dec. 17, 1940.
Coats, hats, jackets etc., Fur and fur trimmed. Berts Inc. 385,454; Mar. 4; Serial No. 433,518; published Dec. 17, 1940.
Coats, suits and dresses. Brown, Davidson & Linde, Inc. 385,516; Mar. 4; Serial No. 436,879; published Dec. 17, 1940.
Coats, suits, etc., Women's and misses'. Lieberman-Randhawa Corp. 385,493; Mar. 4; Serial No. 436,182; published Dec. 10, 1940.
Corsets, girdles, brassieres and foundation garments. Dominion Corset Company. 385,525; Mar. 4.
Dresses, uniforms, and play clothes. Frances Gee Garment Co. 385,531; Mar. 4.
Garments, Protective. Herschel Knitting Company. 385,477-6; Mar. 4; Serial Nos. 436,118-19; published Dec. 17, 1940.
Hats, Men's. R. H. Macy & Co. 142,881; renewed June 7, 1941.
Hosiery. R. H. Kress and Company. 385,435; Mar. 4; Serial No. 424,047; published Dec. 17, 1940.
Hosiery, Sapphire Hosiery Corporation. 385,471; Mar. 4; Serial No. 435,766; published Dec. 17, 1940.
Housecoats. Julius Dexter, Inc. 385,494; Mar. 4; Serial No. 436,258; published Dec. 17, 1940.
Jackets, Knitted. Grischaw & Scherl. 143,051; renewed May 24, 1941.
Jackets, trousers, ski slacks, etc., H. Kaye. 385,469; Mar. 4; Serial No. 434,130; published Dec. 10, 1940.
Lingerie. Lido Lingerie Company. 385,450; Mar. 4; Serial No. 431,064; published Dec. 17, 1940.
Overcoats, topcoats and suits, etc. Cohen, Goldman & Co. 385,462; Mar. 4; Serial No. 431,441; published Dec. 17, 1940.
Pajamas. Armstrong Pajama Company. 385,479; Mar. 4; Serial No. 435,701; published Dec. 17, 1940.
Raincoats. Fashioncraft, Inc. 385,462; Mar. 4; Serial No. 434,489; published Dec. 17, 1940.
Slacks, overalls, playsuits, etc. Strauss, Royer & Strass, Inc. 385,517; Mar. 4; Serial No. 436,946; published Dec. 17, 1940.
Suits, Bathing. W. T. Grant Company. 385,500; Mar. 4; Serial No. 436,648; published Dec. 10, 1940.
Suits, Children's play. Hortex Mfg. Co. 385,497; Mar. 4; Serial No. 436,472; published Dec. 10, 1940.
Suits, Play. Snuggle Products, Inc. 385,447; Mar. 4; Serial No. 429,376; published Dec. 10, 1940.
Topcoats, overcoats, and raincoats, Men's. Joseph D. Shakow, Inc. 385,503; Mar. 4; Serial No. 436,734; published Dec. 10, 1940.
Underwear. Blue Swan Mills, Inc. 385,477; Mar. 4; Serial No. 436,163; published Dec. 17, 1940.
Underwear, polo, tennis, and sweat shirts, sweaters, etc., Knit. R. R. Rohrer. 385,468; Mar. 4; Serial No. 435,439; published Dec. 17, 1940.

CLASS 40

Buttons. C. L. Helmbruch. 144,794; renewed July 19, 1941.
Shields, Dress. Rand Rubber Company. 385,545; Mar. 4.

CLASS 42

Blankets, All-wool. R. H. Macy & Co. 141,600; renewed Apr. 26, 1941.
Blankets of all cotton, cotton and wool, and all wool, Manufactured. Ely & Walker Dry Goods Company. 139,293; renewed Feb. 1, 1941.
Curtains and curtain fabrics. Scranton Lace Company. 385,523; Mar. 4.
Fabrics. Cheney Brothers. 139,270; renewed Feb. 1, 1941.
Ribbons, silks, cottons, etc., in the piece. William E. Wright & Sons Company. 385,536; Mar. 4.
Veils and veilings and nettings in the piece. H. Jacob & Sons, Inc. 143,983; renewed June 21, 1941.

CLASS 44

Vaporizers or nebulizers. A. W. Pitts. 385,528; Mar. 4.

CLASS 45

Cider, apple juice, and grape juice, Apple. Red Wing Company. 139,615; renewed Feb. 8, 1941.

CLASS 46

Baking powder. Church & Dwight Co. Inc. 385,484; Mar. 4; Serial No. 437,193; published Dec. 24, 1940.
Bread and cake. Memphis Bread Company. 144,607; renewed July 12, 1941.
Butter. Cabot Farmers' Cooperative Creamery Co. 385,541; Mar. 4.
Cake mix and icing. Red-ee Foods, Inc. 385,495; Mar. 4; Serial No. 436,286; published Dec. 24, 1940.
Cakes. Loose-Wiles Biscuit Company. 143,074; renewed May 24, 1941.
Cakes, crackers and biscuits. Loose-Wiles Biscuit Company. 141,596; renewed Apr. 26, 1941.
Candies. Langley & Michaels Co. 140,417; renewed Mar. 15, 1941.
Candy. D. Goldenberg, Inc. 385,482; Mar. 4; Serial No. 437,132; published Dec. 24, 1940.
Candy. Hollingsworth Candy Co. 143,049; renewed May 24, 1941.
Candy, Carmel. Borden Company. 385,518; Mar. 4; Serial No. 436,958; published Dec. 24, 1940.
Canned fish, fresh frozen and salted fish, and fish meal. Pacific Marine Products. 385,437; Mar. 4; Serial No. 422,861; published Dec. 24, 1940.
Canned fruits. Frank M. Wilson Company. 385,543; Mar. 4.
Cereal Breakfast Brownies Company. 139,493; renewed Feb. 8, 1941.
Coffee. El Reno Wholesale Grocery Company. 139,528; renewed Feb. 8, 1941.
Coffee. Western Grocer Company. 139,429; renewed Feb. 1, 1941.
Confection Aperion Products Co. 385,453; Mar. 4; Serial No. 432,233; published Dec. 24, 1940.
Eggs. Northern Wisconsin Produce Company. 139,591; renewed Feb. 8, 1941.
Flour Wheat. Wilkins-Rogers Milling Company. 141,017; renewed Mar. 29, 1941.
Fruits Fresh citrus. Mission Citrus Growers Union. 385,480-1; Mar. 4; Serial Nos. 437,097-8; published Dec. 24, 1940.
Hams and bacon. Imperial Packing Company. 19,838; re-renewed July 7, 1941.
Jelly, Cranberry. E. F. Hills. 144,549; renewed July 12, 1941.
Sausage. Hunter Packing Company. 385,535; Mar. 4.
Shrimp, Dried. Blum & Bergeron. 385,487; Mar. 4; Serial No. 437,264; published Dec. 24, 1940.
Syrup, Corn. Hubinger Company. 385,510; Mar. 4; Serial No. 436,970; published Dec. 24, 1940.
Syrups. A. E. Staley Manufacturing Company. 142,777; renewed May 17, 1941.
Vegetables, deciduous fruits, Fresh. Pacific Fruit & Produce Company. 385,540; Mar. 4.

Wafers, graham crackers, rye crackers, etc., Salted. Superior Biscuit Company. 385,529; Mar. 4.

CLASS 47

Champagnes and wines. J. DI Santo. 385,539; Mar. 4.
Wines. Migliaretti Brothers. 385,485; Mar. 4; Serial No. 437,210; published Dec. 24, 1940.

CLASS 49

Whiskey. James B. Beam Distilling Co. 385,496; Mar. 4; Serial No. 436,480; published Dec. 24, 1940.

CLASS 50

Bottle cullers, Milk. W. C. Gartelman. 385,449; Mar. 4; Serial No. 436,906; published Dec. 24, 1940.
Fly ribbons, Sticky. Diamond Match Company. 385,512–13; Mar. 4; Serial Nos. 434,797–8; published Dec. 24, 1940.
Lamellar material. Dewell Incorporated. 385,496; Mar. 4; Serial No. 435,124; published Dec. 24, 1940.
Leather, Artificial or imitation. E. I. du Pont de Nemours & Company. 142,901; renewed May 24, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ager-Wick, Emil, Arendal, Norway. Adjustable candlestick. Re. 21,732; Mar. 4.
Armstrong, Percy A. E., Westport, Conn. Forming alloys. Re. 21,733; Mar. 4.
Aurex Corporation. (See Hugh, W. H., and Cubert, assignors.)
Barnes, Carl R. (See Klatler, S. S., and Barnes.)
Bell Telephone Laboratories, Incorporated. (See Llewellyn, Frederick B., assignor.)
Crumb, Charles F., and S. E. Hillblom, Chicago, Ill., assignors to International Harvester Company. Tractor mower. Re. 21,734; Mar. 4.
Hugh, Walter H., and J. R. Cubert, assignors to Aurex Corporation, Chicago, Ill. Audiometer. Re. 21,735; Mar. 4.
International Harvester Company. (See Crum, C. F., and Hillblom, assignors.)
Klatler, Samuel S., West Boylston, and C. E. Barnes, assignors to Norton Company, Worcester, Mass. Resin bonded abrasive article. Re. 21,736; Mar. 4.
Klatler, Samuel S., West Boylston, and C. E. Barnes, assignors to Norton Company, Worcester, Mass. Resin bonded abrasive article. Re. 21,737; Mar. 4.
Klatler, Samuel S., West Boylston, and C. E. Barnes, assignors to Norton Company, Worcester, Mass. Resin bonded abrasive article. Re. 21,738; Mar. 4.
Llewellyn, Frederick B., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge apparatus. Re. 21,739; Mar. 4.
Norton Company. (See Klatler, S., and Barnes, assignors.)
Samiran, David, Dayton, Ohio, assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Fluid segregator. Re. 21,741; Mar. 4.
Tokheim Oil Tank and Pump Company. (See Samiran, David, assignor.)
Vullings, Theodore M., Muskegon, Mich. Heater for house trailers. Re. 21,740; Mar. 4.

LIST OF PLANT PATENTEES

Brownell, Josephine D., Little Compton, R. I. Rose. 458; Mar. 4.
Brownell, Josephine D., Little Compton, R. I. Rose. 459; Mar. 4.
Ruys, Bonne, Dedemsvaart, Netherlands, assignor to E. D. Smith & Sons, Limited, Winona, Ontario, Canada. Barberry plant. 460; Mar. 4.
Smith, E. D., & Sons, Limited. (See Ruys, Bonne, assignor.)

LIST OF DESIGN PATENTEES

Alper, Esther, New York, N. Y. Dress. 125,710; Mar. 4.
Alper, Esther, New York, N. Y. Dress. 125,711; Mar. 4.
Alper, Esther, New York, N. Y. Dress. 125,712; Mar. 4.
Alper, Esther, New York, N. Y. Dress. 125,713; Mar. 4.
Andrew, Edwin L., Cleveland, Ohio, assignor to Ferguson-Sherman Manufacturing Corporation, Dearborn, Mich. Badge or similar article. 125,681; Mar. 4.
Arsney, Philip, Los Angeles, Calif. Shoe or similar article. 125,688; Mar. 4.
Bers, Jacques M., Great Neck, N. Y., assignor to General Electric Company. Clock case. 125,587; Mar. 4.
Berger, Arthur M., New York, N. Y. Uniform. 125,606; Mar. 4.
Berger, Arthur M., New York, N. Y. Uniform. 125,607; Mar. 4.
Berle, Harvey, New York, N. Y. Dress. 125,655; Mar. 4.
Bertsborn, John A., Los Angeles, Calif. Casket or analogous article. 125,585; Mar. 4.
Biller, David J., assignor to Day Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 125,589; Mar. 4.
Birnbaum, Maggie, New York, N. Y. Dress. 125,714; Mar. 4.
Black, Julia, assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 125,606; Mar. 4.
Bloom, Philip S., Co. (See Katz, Seymour, assignor.)
Boyd, John J., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 125,667; Mar. 4.
Burch Manufacturing Company. (See Van Doran, H., and Dailey, assignors.)
Burstel, Robert, Springfield, Conn., assignor to Frank Associates, Inc., New York, N. Y. Textile fabric. 125,691; Mar. 4.
Chiarretta, Vivian F., Brooklyn, N. Y. Badge or similar article. 125,631; Mar. 4.
Chapman, David, Chicago, Ill., assignor to Knapp Monarch Company, St. Louis, Mo. Syphon or the like. 125,632. Mar. 4.
Chapman, David, Chicago, Ill., assignor to Knapp Monarch Company, St. Louis, Mo. Aerator or the like. 125,633; Mar. 4.
Cheney, Lyle A., Minneapolis, Minn. Gummed tape dispenser. 125,580; Mar. 4.
Cohen, George W., New York, N. Y. Dress. 125,695; Mar. 4.
Cohn-Hall-Marx Co. (See Black, Julia, assignor.)
Cohn & Rosenberger Inc. (See Verrocchio, Gene, assignor.)
Comstock, Marie, Chicago, Ill. Cosmetic container or similar article. 125,608; Mar. 4.
Cummings, Israel, New York, N. Y. Textile fabric. 125,609; Mar. 4.
Cummings, Israel, New York, N. Y. Textile fabric. 125,610; Mar. 4.
Cutler, David R., Braintree, assignor to Alfred Hale Rubber Company, Quincy, Mass. Shoe sole. 125,656; Mar. 4.
Cutler, David R., Braintree, assignor to Alfred Hale Rubber Company, Quincy, Mass. Shoe heel. 125,657; Mar. 4.
Dailey, Donald E. (See Van Doren, H., and Dailey.)
Darling, L. A., Company. (See Larson, Milton H., assignor.)
Dawer, Sigmund, New York, N. Y. Vanity case. 125,611; Mar. 4.
Day Brite Lighting, Inc. (See Biller, David J., assignor.)
Dorian's Incorporated. (See Green, Frank C., assignor.)
De Haes, Jerome, assignor of one-half to A. S. Maleckl, Chicago, Ill. Clock. 125,658; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Coat. 125,699; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Suit. 125,700; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Coat. 125,701; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Coat. 125,702; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Suit. 125,703; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Coat. 125,715; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Coat. 125,716; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Coat. 125,717; Mar. 4.
Del Re, Angelo, Brooklyn, N. Y. Suit. 125,718; Mar. 4.
Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y. Carpet or similar article. 125,682; Mar. 4.
Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y. Carpet or similar article. 125,683; Mar. 4.
Dietz, Martin. (See Wheeler, W. E., Dietz, and Wheeler.)
Doane, Arthur J., Melrose, and E. E. Lynch, Easthampton, Mass., assignors to General Electric Company. Air conditioning control. 125,582; Mar. 4.
Donnelly, Raymond A., Newark, N. J. Combined vehicle lamp and bracket therefor. 125,561; Mar. 4.
Dopyera, Rudolph, Los Angeles, Calif. Perfume containing brooch. 125,612; Mar. 4.
Eastman Kodak Company. (See Schubert, Alvin E., assignor.)
Edelman, Irving, Brooklyn, N. Y. Electric toaster. 125,684; Mar. 4.

Eichmann, Leo, Chicago, Ill. Springs thermodynamometer or the like. 125,562; Mar. 4.
Eickemeyer, Louis, assignor to J. Gottlieb, Jersey City, N. J. Electric clock. 125,563; Mar. 4.
Elting, Edwin J., Chicago, Ill. Fixture arm. 125,564; Mar. 4.
Ericson, Emilie, New York, N. Y. Wallpaper. 125,613; Mar. 4.
Etkin, Simon, New York, N. Y. Dress ensemble. 125,704; Mar. 4.
Faller, Rose, assignor to Yale Fabrics Corporation, New York, N. Y. Textile fabric or similar article. 125,685; Mar. 4.
Ferguson Sherman Manufacturing Corporation. (See Andrew, Edwin L., assignor.)
Fields, Pauline E., New York, N. Y. Dress. 125,686; Mar. 4.
Fields, Pauline E., New York, N. Y. Dress. 125,687; Mar. 4.
Flannery, Bernard M., Galion, Ohio. Apparel rack or the like. 125,614; Mar. 4.
Flannery, Bernard M., Galion, Ohio. Apparel rack or the like. 125,615; Mar. 4.
Fostoria Glass Company. (See Sakier, George, assignor.)
Fox, Kathryn, Chicago, Ill. Manikin. 125,650; Mar. 4.
Frank Associates, Inc. (See Benzon, Robert, assignor.)
Frank, Benjamin, New York, N. Y. Textile fabric. 125,719; Mar. 4.
Franklin, Sylvia, New York, N. Y. Dress ensemble. 125,720; Mar. 4.
Fuerst, Brooks D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 125,616; Mar. 4.
G. G. Patent Company, The. (See Grunberg, George, assignor.)
Galter Lock, Chicago, Ill. Bed lamp. 125,562; Mar. 4.
General Electric Company. (See Doane, A. J., and Lynch, assignors.)
Golden, Zelma, Larchmont, N. Y. Dress ensemble. 125,688; Mar. 4.
Goldsmith, Samuel R., New York, N. Y. Handbag. 125,617; Mar. 4.
Goldstein, Charles, New York, N. Y., assignor to The J. E. Mergott Company, Newark, N. J. Handbag frame. 125,660; Mar. 4.
Goodyear Footwear Corporation. (See Hard, John E., assignor.)
Gottlieb, Joseph. (See Eickemeyer, Louis, assignor.)
Goulding, Donald C., assignor to Handymilt Manufacturing Company, Worcester, Mass. Boot covering. 125,568; Mar. 4.
Granat, Leo, San Francisco, Calif. Gem setting. 125,583; Mar. 4.
Green, Frank C., Great Neck, assignor to Duplan's Incorporated, New York, N. Y. Woven cellophane and cotton fabric or similar article. 125,584; Mar. 4.
Green, Frank C., Great Neck, assignor to Duplan's Inc., New York, N. Y. Textile fabric. 125,721; Mar. 4.
Grunberg, George, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio. Bottle. 125,567; Mar. 4.
Hale, Alfred, Rubber Company. (See Cutler, David R., assignor.)
Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)
Handymilt Manufacturing Company. (See Goulding, Donald C., assignor.)
Hard, John E., Cranston, assignor to Goodyear Footwear Corporation, Providence, R. I. Overshoe or similar waterproof article. 125,568; Mar. 4.
Haslam, Carl, New York, N. Y. Textile fabric or similar article. 125,618; Mar. 4.
Haslam, Carl, New York, N. Y. Textile fabric or similar article. 125,619; Mar. 4.
Haslam, Carl, New York, N. Y. Textile fabric or similar article. 125,620; Mar. 4.
Hauptman, Oscar, New York, N. Y. Coat. 125,722; Mar. 4.
Hauptman, Oscar, New York, N. Y. Coat. 125,723; Mar. 4.
Hendon, Frank, Great Neck, N. Y. Textile fabric or similar article. 125,689; Mar. 4.
Hendon, Frank, Great Neck, N. Y. Textile fabric or similar article. 125,690; Mar. 4.
Heid, Philip, New York, N. Y. Dress. 125,691; Mar. 4.
Heid, Philip, New York, N. Y. Dress. 125,705; Mar. 4.
Hewitt, Hortense B., New York, N. Y. Hat stand or similar article. 125,621; Mar. 4.
Hill, Eleanor, New York, N. Y. Dress ensemble. 125,724; Mar. 4.
Hill, Eleanor, New York, N. Y. Dress ensemble. 125,725; Mar. 4.
Hoover, Frank M., Youngstown, Ohio. Toy rattle. 125,569; Mar. 4.
Horn, Howard, New York, N. Y. Textile fabric. 125,726; Mar. 4.
Huber, Charlotte, New York, N. Y. Combined spool display and stand therefor. 125,634; Mar. 4.
Huffman, Horace M., Jr., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Luggage carrier for bicycles. 125,585; Mar. 4.
Huffman, Horace M., Jr., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Combined bicycle frame and rack. 125,586; Mar. 4.
Huffman Manufacturing Company, The. (See Huffman, Horace M., Jr., assignor.)
Jamestine Corsetts, Brooklyn, N. Y. Dress. 125,727; Mar. 4.
Johnson, S. C., & Son, Inc. (See Vetter, Eldred J., assignor.)
Johnston, Paul H., Davenport, Iowa. Pair of spectacles. 125,661; Mar. 4.
Jones, Natalie, New York, N. Y. Dress. 125,728; Mar. 4.
Jones, Natalie, New York, N. Y. Dress. 125,729; Mar. 4.
Josephson, Harry, New York, N. Y. Drapery fabric. 125,662; Mar. 4.
Kaplan, Maurice K., Chicago, Ill., assignor to Nellie J. Kaplan Company, Inc. Combined adjustable lamp and support therefor. 125,570; Mar. 4.
Kaplan, Nellie J., Company. (See Kaplan, Maurice K., assignor.)
Karagheusian, A. & M., Inc. (See Dewsbury, William O., assignor.)
Karoff, Robert B., New York, N. Y. Combination stationery and container for perfume. 125,587; Mar. 4.
Karstadt, Clarence, Glen Ellyn, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined spray gun and container therefor. 125,635; Mar. 4.
Kates, George M., New York, N. Y. Textile fabric. 125,636; Mar. 4.
Kats, Seymour, assignor to Phillip S. Hoops Co., Chicago, Ill. Bracelet or similar article. 125,663; Mar. 4.
Kaufman, Sol P., New York, N. Y. Lapel ornament or the like. 125,588; Mar. 4.
Kessler, Abraham, New York, N. Y. Candelabrum. 125,571; Mar. 4.
Kessler, Betty, New York, N. Y. Dress. 125,709; Mar. 4.
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, Glass bottle. 125,637; Mar. 4.
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, Glass bottle. 125,638; Mar. 4.
King, Samuel, Boston, Mass. Dress ensemble. 125,693; Mar. 4.
Kleinman, Benjamin, New York, N. Y. Dress. 125,707; Mar. 4.
Knapp-Monarch Company. (See Chapman, David, assignor.)
Lamm, Israel S., New York, N. Y. Dress. 125,664; Mar. 4.
Larsen, Milton H., assignor to L. A. Darling Company, Bronson, Mich. Merchandise display rack. 125,670; Mar. 4.
Lasoff, Harry, Boston, Mass. Dress ensemble. 125,695; Mar. 4.
Little, Earl W. and G., Indianapolis, Ind. Bird cage stand. 125,589; Mar. 4.
Little, Gertrude. (See Little, Earl W. and G.)
Little, Gertrude, Indianapolis, Ind. Flower pot support. 125,590; Mar. 4.
Lubow, Charlotte S., Woodmere, N. Y., Dress. 125,666; Mar. 4.
Lundy, William J., assignor to Olean Glass Company, Olean, N. Y. Bottle. 125,622; Mar. 4.
Lyman, Henry P., Fort Smith, Ark. Ash tray. 125,640; Mar. 4.
Lynch, Edward E. (See Doane, A. J., and Lynch.)
Mackenzie, Alexander W., Jr., Upper Montclair, N. J., assignor to Menkin & Ridgway, Inc., New York, N. Y. Plate or similar article. 125,623; Mar. 4.
Magazine Repeating Razor Company. (See Rodrigues, Victor O., assignor.)
Maleckl, Albert S. (See De Haes, Jerome, assignor.)
Manclk, William, New York, N. Y., and G. H. Quennard, Morristown, N. J.; said Quennard assignor to said Manclk. Heelless overshoe. 125,667; Mar. 4.
Markle, Willard, New York, N. Y. Pin. 125,693; Mar. 4.
Master Electric Company, The. (See McCrery, Harold E., assignor.)
McCrery, Harold E., Oakland, assignor, by mesne assignments, to The Master Electric Company, Dayton, Ohio. Electric hammer. 125,591; Mar. 4.
McCrery, Harold E., Oakwood, assignor, by mesne assignments, to The Master Electric Company, Dayton, Ohio. Flexible shaft driven hammer. 125,641; Mar. 4.
Menkin & Ridgway, Inc. (See Mackenzie, Alexander W., Jr., assignor.)
Mergott, J. E., Company, The. (See Goldstein, Charles, assignor.)
Metlox Manufacturing Company. (See Romanelli, Carl, assignor.)
Minton, Edgar G., Cedarhurst, assignor to Mainzer Minton Corporation, New York, N. Y. Textile fabric or similar article. 125,624; Mar. 4.
Minton, Mainzer, Corporation. (See Minton, Edgar G., assignor.)
Montell, Germaine, New York, N. Y. Pajama ensemble. 125,669; Mar. 4.
National Carbon Company. (See Smith, Ralph R., assignor.)
National Fabrics Corporation. (See Wright, William D., assignor.)
Naubert, Anna, Chicago, Ill. Dress ensemble. 125,668; Mar. 4.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,708; Mar. 4.

Novak, Syd, Chicago, Ill. Dress ensemble. 125,730; Mar. 4.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,731; Mar. 4.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,732; Mar. 4.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,733; Mar. 4.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,734; Mar. 4.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,735; Mar. 4.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,736; Mar. 4.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,737; Mar. 4.
Olean Glass Company. (See Lundy, William J., assignor.)
Owens Illinois Glass Company. (See Blum, John J., assignor.)
Owens Illinois Glass Company. (See Fuerst, Brooks, D., assignor.)
Pandolfi, Frank P., Buffalo, N. Y. Building block. 125,642; Mar. 4.
Pandolfi, Frank P., Buffalo, N. Y. Building block. 125,643; Mar. 4.
Peters & Russell, Inc. (See Russell, Linus E., assignor.)
Philippe, Alfred, New York, N. Y. Pin clip. 125,625; Mar. 4.
Philippe, Alfred, New York, N. Y. Pin clip. 125,626; Mar. 4.
Philippe, Alfred, New York, N. Y. Pin clip. 125,627; Mar. 4.
Price, Lillian, New York, N. Y. Lapel chime pin. 125,694; Mar. 4.
Quennard, George H. (See Manclk, W., and Quennard.)
Robsjohn-Gibbings, Terrance H., New York, N. Y. Radio cabinet or similar article. 125,738; Mar. 4.
Rodrigues, Octavius V., Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 125,592; Mar. 4.
Romanelli, Carl, Los Angeles, assignor to Metlox Manufacturing Company, Manhattan Beach, Calif. Vase or similar article. 125,572; Mar. 4.
Romanelli, Carl, Los Angeles, assignor to Metlox Manufacturing Company, Manhattan Beach, Calif. Vase or similar article. 125,593; Mar. 4.
Romanelli, Carl, Los Angeles, assignor to Metlox Manufacturing Company, Manhattan Beach, Calif. Vase or similar article. 125,594; Mar. 4.
Rosenstein, Nettie, New York, N. Y. Dress. 125,670; Mar. 4.
Rosenstein, Nettie, New York, N. Y. Dress. 125,671; Mar. 4.
Ross, Edwin W., Athens, Ohio. Smoking pipe. 125,573; Mar. 4.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,672; Mar. 4.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,695; Mar. 4.
Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Exhaust pipe shroud. 125,644; Mar. 4.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate or similar article. 125,574; Mar. 4.
Schnitzer, Louis M., Brooklyn, N. Y. Tray or similar article. 125,595; Mar. 4.
Schubert, Alvin E., assignor to Eastman Kodak Company, Rochester, N. Y. Copying camera support. 125,575; Mar. 4.
Sears, Roebuck and Co. (See Karstadt, Clarence, assignor.)
Shaw, Milton, New York, N. Y. Coat. 125,739; Mar. 4.
Shaw, Milton, New York, N. Y. Cape ensemble. 125,740; Mar. 4.
Sherman, Sylvia, New York, N. Y. Textile fabric. 125,741; Mar. 4.
Silverman, Charles, Providence, R. I. Scarf holder. 125,673; Mar. 4.
Smith, Franklyn J., New York, N. Y. Textile fabric. 125,628; Mar. 4.
Smith, Ralph R., Lakewood, Ohio, assignor to National Carbon Company, Inc. Casing for electric fence control unit. 125,645; Mar. 4.
Spitalny, Fred, Elizabeth, N. J. Vanity case or similar article. 125,596; Mar. 4.
Staehle, Bruno, New York, N. Y. Suit. 125,597; Mar. 4.
Sweet, George R., Philadelphia, Pa. Pendant or similar article. 125,598; Mar. 4.
Travis, Betty P., Tarrytown, N. Y. Dress. 125,674; Mar. 4.
Tucker, Milton, Sunnyside, L. I., N. Y. Decorative badge. 125,599; Mar. 4.
Tully, Francis W., Brookline, Mass. Necktie. 125,675; Mar. 4.
Van Doren, Harold, and D. E. Dalley, Toledo, Ohio, assignors to Burch Manufacturing Company, Kansas City, Mo. Popcorn machine cabinet. 125,600; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,646; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,647; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,648; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,649; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,650; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,651; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,652; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,676; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,677; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,678; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,679; Mar. 4.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,680; Mar. 4.
Vetter, Eldred J., Whitefish Bay, assignor to S. C. Johnson & Son, Inc., Racine, Wis. Floor polisher. 125,653; Mar. 4.
Walker, Dallas E., assignor of one-half to D. E. Walker, Tampa, Fla. Door and window grille, or similar article. 125,576; Mar. 4.
Walker, Dallas E., assignor of one-half to D. E. Walker, Tampa, Fla. Door grille, or similar article. 125,601; Mar. 4.
Walker, Donald E. (See Walker, Dallas E., assignor.)
Waxberg, Augusta, New York, N. Y. Dress. 125,577; Mar. 4.
Wheeler, Dorothy G. (See Wheeler, W. E., Dietz, and Wheeler.)
Wheeler, William E., Philadelphia, Pa., M. Dietz, Brooklyn, N. Y., and D. G. Wheeler, Philadelphia, Pa. Golf club handle grip. 125,602; Mar. 4.
Whiteside, Charles B., Birmingham, Ala. Combined motor driven agitator and support for dairy appliances or analogous articles. 125,603; Mar. 4.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 125,578; Mar. 4.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 125,604; Mar. 4.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 125,629; Mar. 4.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 125,630; Mar. 4.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 125,605; Mar. 4.
Wilkins, Frederick, Brooklyn, N. Y. Dress ensemble. 125,742; Mar. 4.
Wilkins, Frederick, Brooklyn, N. Y. Dress ensemble. 125,743; Mar. 4.
Wolk, Horace O., New York, N. Y. Coat. 125,744; Mar. 4.
Wolk, Horace O., New York, N. Y. Suit. 125,745; Mar. 4.
Wright, William D., Jersey City, N. J., assignor to National Fabrics Corporation, New York, N. Y. Textile fabric. 125,654; Mar. 4.
Yale Fabrics Corporation. (See Faller, Rose, assignor.)
Zaiser, William, Rockville Center, N. Y. Piano. 125,579; Mar. 4.
Zaiser, William, Rockville Center, N. Y. Piano. 125,580; Mar. 4.
Zuckerman, Harry, New York, N. Y. Suit. 125,709; Mar. 4.
Zuckerman, Harry, New York, N. Y. Coat. 125,746; Mar. 4.
Zuckerman, Harry, New York, N. Y. Coat. 125,747; Mar. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Fred A., et al. (See Hall, Jonas H., assignor.)
Abbott Laboratories. (See Moore, Edmond E., assignor.)
Abemeier, Carl, La Grange, assignor to United States Gypsum Company, Chicago, Ill. Apparatus for molding sheets. 2,233,570; Mar. 4.
Adamoli, Carlo, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del. Manufacture of anhydrous beryllium fluoride free from oxide. 2,233,465; Mar. 4.
Adamson, John, Boston, Mass. Bagpipe. 2,233,507; Mar. 4.
Aktiebolaget Elektrisk Malmletning. (See Ising, Gustaf A., assignor.)
Alden, Carroll R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Machine tool. 2,233,571; Mar. 4.
Alden, Milton, Brockton, Mass. Electrical socket. 2,233,931; Mar. 4.
Algin Corporation of America. (See Le Gloahec, V. C. E., and Herter, assignors.)
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,233,932; Mar. 4.
Allen, Percy C., Kansas City, assignor of one-half to E. J. Custe, Slater, Mo. Brake operating device. 2,233,392; Mar. 4.
Allison, Douglas, assignor of fifty-one per cent to V. Lowrie, Fort Worth, Tex. Combination load clamp and ground set. 2,233,826; Mar. 4.
Altenburger, Clarence L. (See Seiml, L. G., and Altenburger.)
American Blower Corporation. (See Klee, Murray S., Jr., assignor.)
American Blower Corporation. (See Walters, Thomas A., assignor.)
American Can Company. (See Magill, Donald G., assignor.)
American Chain & Cable Company Inc. (See Lamb, David A., assignor.)
American Cyanamid Company. (See Bruson, Herman A., assignor.)
American Cyanamid Company. (See Falconer, S. A., and Booth, assignors.)
American Cyanamid Company. (See Winnes, Philip S., assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Radiator & Standard Sanitary Corporation. (See Walker, William K., assignor.)
American Steel and Wire Company of New Jersey, The. (See Breedon, W. A., Garman, and Lorig, assignors.)
Ams, Max, Machine Company, The. (See Diezel, Willy, assignor.)
Amundsen, Ivar, Bygdo, near Oslo, Norway. Hot liquid accumulator. 2,233,505; Mar. 4.
Andersag, Hans, S. Breitner, and H. Jung, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Quinoline compound and making the same. 2,233,970; Mar. 4.
Anderson, Earl L., Bayside, assignor to Radio Corporation of America, New York, N. Y. Noise control circuits. 2,233,741; Mar. 4.
Anderson, Heimer, Minneapolis, Minn., assignor to General Mills, Inc. Machine for settling and compacting flour in bags. 2,234,069; Mar. 4.
Anderson, Richard A., and J. E. Reeve, Duluth, Minn. Windshield wiper. 2,234,161; Mar. 4.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Refrigeration apparatus. 2,233,827; Mar. 4.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system utilizing refrigeration. 2,234,037; Mar. 4.
Anderson, Thomas W., Susanville, Calif. Door lock. 2,233,828; Mar. 4.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper carriage for accounting machines. 2,233,971; Mar. 4.
Anderson, Warren D., Stamford, and L. W. Cook, Stratford, Conn., assignors to General Electric Company. Reluctance motor. 2,233,933; Mar. 4.
Andis, Mathew, Racine, Wis. Shaving device. 2,233,445; Mar. 4.
Andis, Mathew, Racine, Wis. Shaving device. 2,233,446; Mar. 4.
Andres, Lloyd J., Chicago, Ill., assignor to Automatic Instrument Company. Treatment machine. 2,234,101; Mar. 4.
Andres, Lloyd J., Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapid, Mich. Vibrator. 2,234,102; Mar. 4.
Andrews, Rufus A., Mamaroneck, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,234,104; Mar. 4.
Antonelli, Leonida, Padova, Italy. Apparatus for changing the tools in metalworking lathes. 2,234,103; Mar. 4.
Archer, Robert S., South Chicago, Ill., assignor to Republic Steel Corporation, Cleveland, Ohio. Coated mold and coating the same. 2,234,152; Mar. 4.
Armstrong, Leonard J., Port Richmond, Staten Island, N. Y. Timer. 2,233,393; Mar. 4.
Art Metal Construction Company. (See Jones, James R., assignor.)
Ashbaugh, John H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,233,394; Mar. 4.
Ashbaugh, John H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Suction cleaning apparatus. 2,233,762; Mar. 4.
Ashton, Harold, Slattocks, Rochdale, and E. A. Morton, Coventry, assignors to Courtaulds Limited, London, England. Manufacture and production of staple fiber. 2,234,105; Mar. 4.
Atkins, Thomas J., East Orange, N. J. Liquid-level gauge. 2,233,572; Mar. 4.
Atlantic, Gulf and Pacific Company. (See Gaylord, Laurence T., assignor.)
Atwood Machine Company, The. (See Smith, Graydon, assignor.)
Auerbach & Schelbe. (See Schübbe, Willy, assignor.)
Automatic Instrument Company. (See Andres, Lloyd J., assignor.)
Ayer, Raymond B., Verona, N. J., assignor to Radio Corporation of America. Tuning structure. 2,233,763; Mar. 4.
Ayers, Arnold L., assignor to Albert E. Tyler, Omaha, Nebr. Coating composition for lithograph plates and applying the same. 2,233,573; Mar. 4.
Ayers, Milton L., Bloomfield, N. J. Unit feeding apparatus and parts thereof. 2,233,466; Mar. 4.
Ayers Mineral Company, The. (See Crew, Joshua A., assignor.)
Azaretti, Emilio, Ventimiglia, Italy, assignor to Schweizerische Gesellschaft der Kalophone Institute, Obcrugeri, Switzerland. Treatment of vocal defects and the vocal organs. 2,233,506; Mar. 4.
Bachman, Walter S., Los Angeles, Calif. Apparatus for dispensing hypochlorites. 2,233,467; Mar. 4.
Backhouse, Headley T., London, England. Cylindrical valve for sheet handling machines. 2,233,934; Mar. 4.
Backhouse, Headley T., London, England. Sheet handling machine. 2,233,935; Mar. 4.
Backstay Welt Company. (See Barr, Glen G., assignor.)
Bair, George J., Pittsburgh, assignor to Norbert S. Garbisch, Butler, Pa. Manufacture of ceramic wares. 2,233,575; Mar. 4.
Baird, Frederick S., and B. T. Harris, Little Rock, Ark. Gas system. 2,233,508; Mar. 5.
Baker, George L., and M. W. Goodwin, Newark, Del., assignors to the public of the United States. Jellying pectin compositions. 2,233,574; Mar. 4.
Baldwin Company, The. (See Knoblaugh, Armand F., assignor.)
Baldwin Company, The. (See Kock, Winston E., assignor.)
Ballard, John H., assignor to Sealed Power Corporation, Muskegon, Mich. Oil control piston ring. 2,233,723; Mar. 4.
Ballman, Edwin C., St. Louis, Mo. Vertical bearing. 2,233,880; Mar. 4.
Balon, Paul A., Arlington, N. J., and H. S. Holt, assignors to The Celastic Corporation, Wilmington, Del. Stiffening member for shoes and the like. 2,233,576; Mar. 4.
Bannister, Bryant, Mount Lebanon, Pa., and George C. Greenwood, Lorain, Ohio, assignors to National Tube Company. Cutting tool. 2,233,724; Mar. 4.
Barbour Welting Company. (See Vizard, William C., assignor.)
Barden, William S. (See Foster, D. E., and Barden.)
Barnes, Gilbert C., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Spark plug. 2,233,660; Mar. 4.

Barr, Glen G., assignor to Backstay Welt Company, Union City, Ind. Trimming strip core and the like. 2,234,136; Mar. 4.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Hydraulic hoist. 2,234,134; Mar. 4.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Hydraulic hoisting mechanism. 2,234,135; Mar. 4.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,233,972; Mar. 4.
Barthel, Oliver E., and N. E. Marker, Detroit, Mich. Variable pitch propeller. 2,233,468; Mar. 4.
Barton, Charles A., Rio de Janeiro, Brazil. Suspension means for the driving motors in electric traction vehicles. 2,234,070; Mar. 4.
Battle Creek Sanitarium and Benevolent Association. (See Gorrell, John E., assignor.)
Bauer, Hans A., assignor to B. F. Gump Co., Chicago, Ill. Mechanism for cutting and applying tape to filled bags. 2,234,017; Mar. 4.
Bauermeister, Elmer E., Visalia, Calif. Exercising device. 2,233,764; Mar. 4.
Bebinger, Charles N., assignor to La-Del Conveyor & Manufacturing Company, New Philadelphia, Ohio. Loading apparatus. 2,234,071; Mar. 4.
Becker, Hans, Hofheim in Taunus, Germany, assignor to General Aniline & Film Corporation. Acid wool dyestuffs of the anthraquinone series and a process of preparing them. 2,233,391; Mar. 4.
Bedford, Alda V., Collingswood, and F. E. Cone, Camden, N. J., assignors to Radio Corporation of America. Cathode ray deflecting yoke. 2,234,038; Mar. 4.
Beech-Nut Packing Company. (See Galton, Landon C., assignor.)
Beech-Nut Packing Company. (See West, William B., assignor.)
Begin, Lucien, and P. Rosenbloom, Lewiston, Maine. Clothesline bracket. 2,233,725 Mar. 4.
Belding, Harvey R., Sharon, Pa. Treating low carbon open hearth steel. 2,233,726; Mar. 4.
Bell Aircraft Corporation. (See Woods, Robert J., assignor.)
Bell, Millard J. (See Bell, Willard J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cowley, G. W., and Kannenberg, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dixon, John T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lovell, C. A., Muller and Wooldridge, assignors.)
Bell Telephone Laboratories, Incorporated. (See Polk, Robert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Robertson, Donald D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Skellett, Albert M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wise, Raymond O., assignor.)
Bell, Willard J., assignor of one-half to M. J. Bell, Newaygo, Mich. Apparatus for conditioning molding sand. 2,233,727; Mar. 4.
Bell, Willard J., Newaygo, Mich. Apparatus for renovating molding sand. 2,233,728; Mar. 4.
Below, Fritz, Berlin-Kleln Machnow, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Synchronizing impulse generator for interlaced scanning. 2,233,881; Mar. 4.
Bemiss Corporation. (See Pagendarm, John F., assignor.)
Bendix Aviation Corporation. (See Elkin, Manuel H., assignor.)
Bendix Aviation Corporation. (See Hruska, Howard E., assignor.)
Bendix Aviation Corporation. (See Winkler, A. H., and Wirth, assignors.)
Bendix Products Corporation. (See Bragg, Caleb S., assignor.)
Bendix Products Corporation. (See Price, Harold W., assignor.)
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,233,765; Mar. 4.
Bennett Incorporateed. (See Strovink, Florian, assignor.)
Benz, Bernard W. (See Clark, N. C., and Benz.)
Benz, George W. (See Kritchevsky, Wolf, assignor.)
Berghaus, Bernhard. (See Hagedorn, G., and Hass, assignors.)
Berkshire Fine Spinning Association, Inc. (See Openshaw, John, assignor.)
Bersted Manufacturing Company. (See Hook, Arley U., assignor.)
Bertrand, William A. (See Hopkins, N. F., and Bertrand.)
Bethlehem Steel Company. (See Creighton, James A., assignor.)
Bethlehem Steel Company. (See Reed, C. D., and Riley, assignors.)
Bethlehem Steel Company. (See Statler, Walter H., assignor.)
Bigelow, Newell M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur color derived from substituted aryl carbamic esters. 2,234,018; Mar. 4.
Bjering, Olav. (See Hohl, J., and Bjering.)
Black and Decker Manufacturing Company, The. (See Wilhide Glenn C., assignor.)
Blackwell, Herbert H., Roanoke, Va. Electric motor. 2,233,829; Mar. 4.
Blakeslee, Raymond I. et al. (See Simpson, Harry G., assignor.)
Blanchard, Alva G., Shreveport, La. Safety apparatus for boilers. 2,233,395; Mar. 4.
Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Cushioning unit. 2,233,396; Mar. 4.
Blewett, John, assignor to The Murray Company, Dallas, Tex. Cotton ginning apparatus. 2,233,691; Mar. 4.
Bliss, William L., assignor to U S L Battery Corporation, Niagaraa Falls, N. Y. Boiler tube cap. 2,234,154; Mar. 4.
Bliss, William L., assignor to U S L Battery Corporation, Niagara Falls, N. Y. Rheostat. 2,234,155; Mar. 4.
Bloom, Edgar J., Tiffin, Ohio. Harness for dogs and children. 2,233,397; Mar. 4.
Blu, Marshall A., assignor to Sears, Roebuck and Co., Chicago, Ill. Washing machine. 2,233,577; Mar. 4.
Boak, Thomas I. S., Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company. Making battery cans. 2,233,578; Mar. 4.
Bobbitt, Ralph D., Norfolk, Va. Calculator for valve mechanisms. 2,233,830; Mar. 4.
Bobek, William, Detroit, Mich. Self-locking concealed hinge. 2,233,882; Mar. 4.
Bodmer, Albert. (See Heberlein, G., and Bodmer.)
Boeing Aircraft Company. (See Sanders, John C., assignor.)
Bogert, John W., Stamford, Conn. Apparatus for cleaning and ventilating barns and stables for cattle. 2,233,766; Mar. 4.
Bohland, Carl P., and C. E. Bublitz, Albert Lea, Minn. Uprooting implement. 2,233,908; Mar. 4.
Bole, Floyd E., Westboro, Ontario, assignor of thirty per cent to J. B. Maclaughlin and thirty percent to C. M. Edwards, both of Ottawa, Ontario, Canada. Elimination of power line interference in radio receiving hookups. 2,233,566; Mar. 4.
Bonwitt, Gustav, New York, N. Y. Abrasive tool. 2,233,469; Mar. 4.
Booth, Robert B. (See Falconer, S. A., and Booth.)
Borg-Warner Corporation. (See Hubacker, Earl F., assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Menzel, Friedrich, assignor.)
Boston Woven Hose & Rubber Company. (See Knowland, T. M., and Russell, assignors.)
Boulade, Jean L., Alturas, Calif. Self-dumping washer. 2,233,803; Mar. 4.
Bouman, Johannes A. J., Eindhoven, Netherlands, and R. G. Clark, Beckenham, England, assignors by mesne assignments to Radio Corporation of America, New York, N. Y. Amplifier volume control. 2,233,767; Mar. 4.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Fluid silencer. 2,233,804; Mar. 4.
Bowerman, Milton A., Seattle, Wash. Window shade attachment. 2,234,106; Mar. 4.
Bowers, Thomas A., assignor to Power Research Corporation, Boston, Mass. Fabricated packing. 2,233,579; Mar. 4.
Braff, Martin, Brooklyn, N. Y. Tab device for airing pillows. 2,234,072; Mar. 4.
Bragg, Caleb S., Palm Beach, Fla., assignor to Bendix Products Corporation, South Bend, Ind. Throttle and transmission operating power means for marine craft. 2,234,019; Mar. 4.
Breedon, Will A., Bratenahl, F. A. Garman, Cleveland, and F. W. Lorig, Lakewood, Ohio, assignors to The American Steel and Wire Company of New Jersey. Inner cover for annealing furnaces. 2,233,580; Mar. 4.
Breitner, Stefan. (See Andersag, H., Breitner, and Jung.)
Brewer-Titchener Corporation, The. (See Johannsen, Udo K., assignor.)
Brill, J. G., Company, The. (See Latshaw, Elmer, assignor.)
Brink, Chester A., Kingsley, Pa. Amusement device. 2,233,720; Mar. 4.
Britton, James J., Fort Myers, assignor of one-fourth to I. A. Carroll, Lakeland, Fla. Device for holding paper. 2,233,730; Mar. 4.
Brodersen, Karl, and M. Quaedvlieg, Dessau in Anhalt, Germany, assignors by mesne assignments to General Aniline & Film Corporation, New York, N. Y. Triazoles. 2,233,805; Mar. 4.
Bröker, Walter. (See Zitscher, A., Seidenfaden, and Bröker.)
Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing 8-methyloxathia-carbocyanines and 8-methyloxaselena-carbocyanines. 2,233,509; Mar. 4.
Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing 8-alkyl unsymmetrical carbocyanine dyes. 2,233,510; Mar. 4.
Brooker, Leslie G. S., and L. A. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. 1,1'-diaralkyl-4,4'-carbocyanine salts. 2,233,511; Mar. 4.
Brown Instrument Company. (See Moore, Coleman B., assignor.)

Browning Eugene. (See Krais E. M., Heckel, Browning and Gebauer-Fuelnegg.)
Browning J. M. & M. S., Composer. (See Browning, Val A., assignor.)
Browning Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firearm. 2,233,861; Mar. 4.
Brownlee, George W., Sr., assignor to Economic Binder Company, Atlanta, Ga. Loose-leaf binder lock. 2,233,512; Mar. 4.
Bruche, Ernst, Berlin-Reinickendorf, Germany, assignor to General Electric Company, Schenectady, N. Y., Corporation. Converter. 2,233,768; Mar. 4.
Bruining, Hajo. (See de Boer, J. H., Bruining, and Scheerman.)
Brunson, Herman A., Philadelphia, Pa., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Esters of aroyl benzoic acids. 2,233,513; Mar. 4.
Bryant, Frank L., executrix. (See Bryant, Roy B.)
Bryant, Roy B., Dallas, Tex., F. L. Bryant, executrix. Drilling apparatus. 2,233,692; Mar. 4.
Bublitz, Carl E. (See Bohland, C. P., and Bublitz.)
Buchanan, Royal S., Springfield, Mass. Direction signal lamp for vehicles. 2,233,514; Mar. 4.
Buchsbaum, Herbert, Chicago, Ill. Belt buckle. 2,233,883; Mar. 4.
Bucknell, Clarence E., Vallejo, Calif. Folding stool. 2,233,806; Mar. 4.
Budd Wheel Company. (See Eksergian, Caroline L., assignor.)
Budnick, Louis, assignor to S. Budnick, New York, N. Y. Outlet box. 2,233,731; Mar. 4.
Budnick, Sadye. (See Budnick, Louis, assignor.)
Buescher Band Instrument Company. (See Conner, Floyd E., assignor.)
Buescher Band Instrument Company. (See Shaw, Joseph L., assignor.)
Buescher Band Instrument Company. (See Silver, Charles W., assignor.)
Buffalo Electro-Chemical Company. (See Wilson, Virden W., assignor.)
Bugg, Kenly C., Fort Wayne, Ind. Locking mechanism. 2,233,681; Mar. 4.
Burkardt, Anton F., New York, N. Y. Scutching machine. 2,233,753; Mar. 4.
Burke, Burt S., Forest Hills, Pa., S. R. McCandless, New Haven, Conn., and D. H. Holden, Cleveland, and C. W. Stedman, Gates Mills, Ohio; said Burke assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Theater lighting control apparatus. 2,233,807; Mar. 4.
Burke, Burt S., Webster Groves, Mo., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Theater lighting control apparatus. 2,233,808; Mar. 4.
Burke, Edmund J., West Palm Beach, Fla. Combination shutter awning. 2,233,515; Mar. 4.
Burke, Madison O., Richmond, Va. Sanitary toothbrush. 2,233,831; Mar. 4.
Burnedett, Willy, Cologne-Deutz, Germany, assignor to General Aniline & Film Corporation. Dioxazines and making the same. 2,234,940; Mar. 4.
Burnham, Leland F., Houston, Tex., assignor to Equco Derrick & Equipment Company, Los Angeles, Calif. Counterbalance. 2,234,581; Mar. 4.
Burnham, Walter E., Detroit, Mich., assignor to Freeman Burnham Engineering Corporation, Cincinnati, Ohio. Propeller. 2,234,075; Mar. 4.
Burnside, Dan G., East Orange, N. J., assignor to Radio Corporation of America. Low frequency modulation expander. 2,233,789; Mar. 4.
Burt, Guy H., Providence, R. I. Electrical plug. 2,233,909; Mar. 4.
Busjaeger, William J., Milwaukee, Wis. Taper boring bar. 2,234,039; Mar. 4.
Bussmann, Frank H., Richmond Heights, Mo. Protector for electric circuits. 2,234,020; Mar. 4.
Buster, Sanford D., Jr., Mill Valley, and D. R. Trinkle, Oakland, Calif. Selective card slotting device. 2,233,662; Mar. 4.
Byrd, James W., Miami, Fla. Insect guard. 2,233,832; Mar. 4.
Byron Jackson Co. (See Hoover, Vaino A., assignor.)
California Talc Company. (See Proctor, Ralph R., assignor.)
Cameron Machine Company. (See Stocker, William M., assignor.)
Campbell, Gere L., assignor of one-twentieth to E. J. Rowan, Wilmington, Calif. Fuel oil burner. 2,233,770; Mar. 4.
Campbell, Howard R., Dayton, Ohio. Dental appliance. 2,234,930; Mar. 4.
Campbell, Lester L., Boone, assignor of one-half to N. L. Cardey, Winona, W. Va. Built-in jack for motor vehicles. 2,233,742; Mar. 4.
Campbell, Manus F., assignor to The R. K. Le Blond Machine Tool Company, Detroit, Mich. Loading and unloading of work in machine tools. 2,233,997; Mar. 4.
Carborundum Company, The. (See McMullen, John C., assignor.)
Cardey, Norman L. (See Campbell, Lester L., assignor.)
Carew, Herman, assignor to Dixie-Vortex Company, Easton, Pa. Paper dish and making the same. 2,234,108; Mar. 4.
Carlin, Theodore F., assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Turning machine. 2,233,398; Mar. 4.
Carlin, Theodore F., assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Lathe. 2,233,399; Mar. 4.
Carlson, Eric Mozar Verner, N. Y. Turbine gasoline engine. 2,234,074; Mar. 4.
Carolin, Guy New York, N. Y. Memorizer. 2,234,975; Mar. 4.
Carper, Alfred B., Creswell, Oreg. Egg cleaning machine. 2,233,810; Mar. 4.
Carr, Raymond L., Boston, Mass. Current-take body. 2,234,040; Mar. 4.
Carroll, I. A. (See Britton, James J., assignor.)
Carson, Cuyes R., Santa Clara, Calif. Clamp. 2,233,911; Mar. 4.
Casco Products Corporation. (See Johnson, Arthur A., assignor.)
Case, Nelson P., Great Neck, N. Y., assignor to Hazeltine Corporation. Image-frequency rejection system. 2,233,479; Mar. 4.
Casselman, Ralph T. (See Schmidt, J. H., and Casselman.)
Cassidy, Mary K. (See White, Joseph, assignor.)
Caster, Charles V. (See Cecil, W. W., II, and Caster.)
Castrique, Roy T. C., South Melbourne, Victoria, Australia. Deodorant and toilet container. 2,234,021; Mar. 4.
Caterpillar Tractor Co. (See McDonald, Harry T., assignor.)
Caulton, Cyrus O. (See Shoup, F. E., and Caulton.)
Cecil, Walter W., II, and C. V. Caster, Harrison, Ark. Window shade pull. 2,233,516; Mar. 4.
Celanese Corporation of America. (See Stahl, Elmer B., assignor.)
Celeste Corporation, The. (See Balen, P. A., and Holt, assignors.)
Central Commercial Company. (See Mahler, Valentine J., assignor.)
Cerro, Inc. (See Emmert, Charles E., assignor.)
Champlain Corporation. (See Grupe, William F., assignor.)
Chance, A. B., Company. (See Smith, James C., assignor.)
Chandler, Fred K., Des Moines, Iowa. Apparatus and method for feeding cultured feed to animals. 2,234,041; Mar. 4.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J., Calculating machine. 2,233,912; Mar. 4.
Chicago By-Products Corporation. (See Wittmann, Robert A., assignor.)
Childers, Bessie E. (See Huffman, R. O., Shuford, and Childers.)
Christiansen, Christian, Oslo, and G. O. K. Rhorb Mandal, Norway. Rope, especially harpoon line. 2,233,517; Mar. 4.
Churchill, Homer, Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Clamping means. 2,234,052; Mar. 4.
Ciarcia, Dominick, et al. (See Schramm, Frederick C., assignor.)
Ciarcia, Peter, et al. (See Schramm, Frederick C., assignor.)
Ciarcia, Peter J., et al. (See Schramm, Frederick C., assignor.)
Cities Service Oil Company. (See Miller, Benjamin, assignor.)
Cities Service Oil Company. (See Wyller, Johann J., assignor.)
Clark, Margaret, New York, assignor of one-fourth to Edgar F. Rebner, Riverdale, N. Y. Loom and weaving. 2,233,406; Mar. 4.
Clark, Noble C., Pleasant Ridge, and H. W. Benz, Detroit, Mich., assignors to The Murray Corporation of America, Detroit. 2,233,582; Mar. 4.
Clark, Robert G. (See Beeman, J. A. J., and Clark.)
Clarke, Walter F., Omaha, Nebr. Toy boat. 2,233,683; Mar. 4.
Clements Mfg. Co. (See Clements, William J., assignor.)
Clements, William J., assignor to Clements Mfg. Co., Chicago, Ill. Hose connection for vacuum cleaners. 2,233,471; Mar. 4.
Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)
Cleveland Hobbing Machine Company, The. (See Carlin, Theodore F., assignor.)
Cliff, Wilfrid H., and A. H. Knight, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, Manchester, dyestuffs. 2,233,583; Mar. 4.
Clouse, Earl L., Comstock, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Mounting for hang rods. 2,233,735; Mar. 4.
Cockerell, Christopher S., Danbury, England, assignor to Radio Corporation of America. Visual indicator for radio course. 2,234,023; Mar. 4.
Cohen, Abe, et al. (See Piper, John, assignor.)

Cohen, Max, et al. (See Piper, John, assignor.)
Colditz, Heinrich M., and O. Michalk, Dresden, Germany. Weft retainer. 2,233,834; Mar. 4.
Colestock, Harry B., St. Paul, Minn. Power hammer. 2,233,913; Mar. 4.
Collings, David A., Cleveland, assignor, by mesne assignments, to H. K. Hines, Lakewood, Ohio. Resilient jacket. 2,233,584; Mar. 4.
Collins & Aikman Corporation. (See Hewton, William R., assignor.)
Collins, Milford E., Hollywood, Calif., assignor to Radio Corporation of America. Monitoring for sound systems. 2,233,914; Mar. 4.
Columbus, McKinnon Chain Corporation. (See Robins, Erford E., assignor.)
Combustion Engineering Company. (See Lloyd, William, assignor.)
Comer, Floyd E., Bristol, assignor to Buescher Band Instrument Company, Elkhart, Ind. Key pivot action. 2,234,107; Mar. 4.
Coni, Pierino E., Wollaston, Mass. Motion picture machine. 2,233,771; Mar. 4.
Commercial Ingredients Corporation. (See Dunajeff, Leonid A., assignor.)
Commercial Molasses Corporation. (See Ticknor, B. H., II, and Talbott, assignors.)
Commercial Solvents Corporation. (See Lippincott, Samuel B., assignor.)
Commons, Charles H., Jr., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Grinding material. 2,233,585; Mar. 4.
Concrete Plank Company. (See Gifford, Charles R., assignor.)
Condenser Development Corporation. (See Teaf, J. H., and Shafer, assignors.)
Cone, Felix E. (See Bedford, A. V., and Cone.)
Conrad, Edward C., Philadelphia, Pa., assignor to Radio Corporation of America. Phonographic apparatus. 2,233,915; Mar. 4.
Conrad, Frank, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automotive generating system. 2,233,586; Mar. 4.
Consolidated Mining & Smelting Company of Canada, The. (See Lepsoe, Robert, assignor.)
Continental Can Company. (See Coyle, John, assignor.)
Continental Can Company. (See O'Neil, James H., assignor.)
Cook, Fred, San Diego, Calif. Automatic hydraulic brake attachment. 2,233,994; Mar. 4.
Cook, Junius F., Jr., trustee. (See Moberg, Gunnar, assignor.)
Cook, Leonard W. (See Anderson, W. D., and Cook, assignors.)
Copson, Raymond L., near Sheffield, Ala. Making calcium metaphosphate. 2,233,401; Mar. 4.
Cornell Dubilier Electric Corporation. (See Deeley, Paul M., assignor.)
Cotta Transmission Corporation. (See Nelson, Floyd R., assignor.)
Cottrell, C. B., & Sons Company. (See Meyer, Joseph E., assignor.)
Courtaulds Limited. (See Ashton, H., and Morton, assignors.)
Courtaulds Limited. (See Sharples, Edwin H., assignor.)
Cowley, Greer W., Moutain View, and W. F. Kannenberg, Passaic, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,233,886; Mar. 4.
Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,233,518; Mar. 4.
Cramer, Jesse F. (See Cramer, Roy A., and J. F.)
Cramer, Roy A., and J. F. Cramer, Kansas City, Mo. Chair seat and bumper guard. 2,233,694; Mar. 4.
Crawford, John W. C., Frodsham, and N. McLeish, Runcorn, England, assignors to Imperial Chemical Industries Limited. Manufacture of halogenated organic acids containing three carbon atoms and derivatives thereof. 2,233,835; Mar. 4.
Cres, John and D. A. Worme, Hamilton, Ontario, Canada. Refill fuse plug. 2,234,024; Mar. 4.
Creighton, James A., Hamburg, N. Y., assignor to Bethlehem Steel Company. Burner. 2,233,916; Mar. 4.
Creson, William K., assignor to Ross Gear & Tool Company, La Fayette, Ind. Clamp. 2,234,156; Mar. 4.
Crosswell, Arthur, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Stiffening regenerated cellulose. 2,233,402; Mar. 4.
Creveling, John L., near Tucson, Ariz., assignor to The Safety Car Heating and Lighting Co. Electric system. 2,233,772; Mar. 4.
Crew, Joshua A., assignor to The Ayers Mineral Company, Zanesville, Ohio. Acid treating granular materials. 2,233,695; Mar. 4.
Crewe, Samuel, East Cleveland, Ohio. Calk gun. 2,233,587; Mar. 4.
Crook, James D., Asheville, N. C. Fan. 2,233,588; Mar. 4.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Filter circuit. 2,233,773; Mar. 4.
Crosley Corporation, The. (See Rockwell, Ronald J., assignor.)
Culpepper, James L., Pearl Harbor, Territory of Hawaii. Abrading device. 2,234,109; Mar. 4.
Currier, Neil B., assignor of one-half to L. H. McClintock and one-half to F. L. McClintock, Los Angeles, Calif. Paper dispenser. 2,233,663; Mar. 4.
Curtis, Fount E., Milwaukee, Wis., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method and machine for shaping the bottoms of shoes. 2,233,519; Mar. 4.
Cusic, E. J. (See Allen, Percy C., assignor.)
Cutler-Hammer, Inc. (See Rapley, Harold H., assignor.)
Cutler, Roger W., Boston, Mass. Temple roll for looms. 2,233,995; Mar. 4.
Danciger Oil & Refineries, Inc. (See Levine, Morris, assignor.)
Darby, John R., Pasadena, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Cinematographic apparatus. 2,233,809; Mar. 4.
Davidson, Ellis, New York, N. Y. Spraying device. 2,233,836; Mar. 4.
Dawson, John W., Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,233,810; Mar. 4.
Dayton Pump and Manufacturing Company, The. (See Horvath, Anthony G., assignor.)
Dean, Frank H., Stockton, Calif. Game device. 2,233,589; Mar. 4.
De Boer, Jan H., H. Bruining, and L. T. Scheerman, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Black coating for electron discharge devices. 2,233,917; Mar. 4.
Debrey, Michael, Burlington, Iowa. Automatic voltage regulator. 2,234,110; Mar. 4.
Deeley, Paul M., Plainfield, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrolytic capacitor. 2,234,042; Mar. 4.
Deere & Company. (See Hoffman, John E., assignor.)
Defiance Manufacturing Company. (See Graham, Clarence T., assignor.)
Dellert, Louis J., Brooklyn, N. Y. Vehicle and centralizing device therefor. 2,234,025; Mar. 4.
Demarest, Russell S., River Edge Manor, N. J. Duplicating device. 2,233,472; Mar. 4.
Demstedt, Ingofroh. (See Gumlich, W., and Demstedt.)
Dent, Duke A., Charleston, W. Va. Portion dispensing bottle. 2,233,996; Mar. 4.
Deri, Bruno, Brooklyn, and S. Gangi, New York, N. Y. High speed flat knitting machine. 2,233,664; Mar. 4.
Detroit Lubricator Company. (See Russel, Philip S., assignor.)
Dettelbach, Arthur H., et al. (See Jaworowski, Joseph F., assignor.)
De Vigan, Andre F., Detroit, Mich. Dust separator. 2,233,520; Mar. 4.
Devilbiss Company, The. (See Pryor, Benjamin F., assignor.)
Dewey, Charles S., Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y. Manufacture of aliphatic ketone-diarylamine antioxidants. 2,233,590; Mar. 4.
Dickinson, Hobart C., Washington, D. C., and S. A. McKee, Bethesda, Md., assignors to the Government of the United States as represented by the Secretary of Commerce. Indicating the wear on bearings and other surfaces. 2,233,403; Mar. 4.
Diegel, Willy, assignor to The Max Ams Machine Company, Bridgeport, Conn. Lining machine. 2,233,774; Mar. 4.
Ditto, Incorporated. (See Harrison, Edwin G., Jr., assignor.)
Divo-Twin Truck Company. (See Hesleen, Henry V., assignor.)
Dixie-Vortex Company. (See Carew, Herman, assignor.)
Dixon, John T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of modulation. 2,233,473; Mar. 4.
Dodge Chemical Company, The. (See O'Brien, William B., assignor.)
Dolman, Clarence D., Chelan County, Wash., assignor to Hercules Glue Company. Washing fruit. 2,233,447; Mar. 4.
Door Company, The. (See Fischer, Anthony J., assignor.)
Dorr Company, The. (See Linch, Harry A., assignor.)
Dorr Company, The. (See Ramsey, Elmer R., assignor.)
Doty, Alfred F., Bridgeport, assignor of one-half to H. C. Folgmann, Waterbury, Conn. Applicator. 2,233,811; Mar. 4.
Douglas Aircraft Company. (See Pavlecka, Vladimir H., assignor.)
Douglas Aircraft Company, Incorporated. (See Shogran, Ivar L., assignor.)
Dow Chemical Company, The. (See Dreisbach, Robert R., assignor.)
Dow Chemical Company, The. (See McDonald, John C., assignor.)
Dow Chemical Company, The. (See Smith, F. B., and Moll, assignors.)
Dow Chemical Company, The. (See Wiley, Ralph M., assignor.)
Dow, Raymond, Flushing, N. Y. Writing machine attachment. 2,233,775; Mar. 4.

Dowell, H. B., et al. (See Phillippe, George A., assignor.)
Doyle, Paul J., Cleveland, Ohio. Oil reclaiming apparatus. 2,234,111; Mar. 4.
Draper Corporation. (See Pinkul, Alfred E., assignor.)
Dreifein, Henry A., Chicago, Ill. Heat treating metal. 2,233,474; Mar. 4.
Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Dielectric composition. 2,233,404; Mar. 4.
Dremel, Albert J., Racine, Wis. Electrically reciprocated tool. 2,233,842; Mar. 4.
Drexel Knitting Mills Company. (See Haffman, R. O., Shuford, and Childers, assignors.)
Dreyfus, Henry, London, England. Cellulose compounds containing carboxy and amine groups. 2,233,475; Mar. 4.
Driscoll, James M., Portland, Oreg. Fishhook. 2,233,863; Mar. 4.
Dubick, Michael, assignor to Superior Felt & Bedding Co., Chicago, Ill. Tufting device. 2,233,997; Mar. 4.
Dulovits, Jeno, Budapest, Hungary. Soft effect screen lens. 2,233,501; Mar. 4.
Dunajeff, Leonid A., assignor to Commercial Ingredients Corporation, New York, N. Y. Resilient sheet. 2,233,502; Mar. 4.
Dunn, Thomas H., assignor to Stanolind Oil & Gas Company, Tulsa, Okla. Slow setting cement. 2,233,973; Mar. 4.
Dunn, Thomas H., assignor to Stanolind Oil & Gas Company, Tulsa, Okla. Slow setting cement. 2,233,974; Mar. 4.
Du Pont, E. I., de Nemours & Company. (See Farlow, Mark W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bigelow, Newell M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hilberg, Frank C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stillmar, Frederic B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Westbrook, Leon R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wuerta, A. J., and Rintelmann, assignors.)
Dworets, Joseph, New York, N. Y. Wall opening construction. 2,234,043; Mar. 4.
Eastman Kodak Company. (See Brooker, L. G. S., and Smith, assignors.)
Eastman Kodak Company. (See Brooker, L. G. S., and White, assignors.)
Edahl, Knute. (See Holland, C. J., and Edahl.)
Eddy, Albert I., Hillside, and E. O. Jegge, Glen Ridge, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Galvanic battery. 2,233,503; Mar. 4.
Edison, Thomas A., Incorporated. (See Eddy, A. I., and Jegge, assignors.)
Edson, Max, Chicago, Ill. Slip cover construction. 2,233,864; Mar. 4.
Edwards, Cameron M., et al. (See Bole, Floyd E., assignor.)
Ekonomie Binder Company. (See Brownlee, George W., Sr., assignor.)
Ekserglan, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake disk. 2,233,594; Mar. 4.
Electric Arc Cutting & Welding Company. (See Leach, Harold B., assignor.)
Electric Controller & Manufacturing Company, The. (See Wilcox, Harry L., assignor.)
Electric & Musical Industries Limited. (See Fendall, Charles L., assignor.)
Eliel, Leon T., Pasadena, and E. R. Polley, and M. A. Phillips, Los Angeles, assignors to Fairchild, Polley & Eliel, Inc., Los Angeles, Calif. Marking posts for interlocking templets and the like. 2,233,606; Mar. 4.
Elkin, Manual H., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Two-stage starter control. 2,233,595; Mar. 4.
Else, Harry D. (See Miner, J. D., Jr., and Else.)
Ely, Paul C., and J. M. Hopkins, McKeesport, Pa., assignors to National Tube Company. Pipe joint. 2,233,734; Mar. 4.
Emerson Radio & Phonograph Corporation. (See Katmus, Henry P., assignor.)
Emerson, Sam W. (See Jaworowski, Joseph F., assignor.)
Emmer, Charles E., assignor to Cercla, Inc., Chicago, Ill. Plastic binding stripping device. 2,234,044; Mar. 4.
Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Opener for plastic bindings. 2,234,045; Mar. 4.
Emrick, Orpheus C., Lynn, Ind. Self feeding device. 2,234,112; Mar. 4.
Emsco Derrick & Equipment Company. (See Burnham, Leland F., assignor.)
Emsco Derrick & Equipment Company. (See Sounitsa, Wladimir R., assignor.)
Emsco Derrick & Equipment Company. (See Stahl, L. W., and Walton, assignors.)
Emsco Derrick & Equipment Company. (See Webster, Samuel W., assignor.)
Epperson, Carl E., Knoxville, Tenn. Electric refrigerator. 2,233,975; Mar. 4.
Ernst, Walter, and G. M. Geiger, Mount Gilead, Ohio, assignors to The Hydraulic Press Corporation, Inc., Wilmington, Del. Double-acting check valve device. 2,233,521; Mar. 4.
Esslick, Bryant, Los Angeles, Calif. Air treating apparatus. 2,233,976; Mar. 4.
Evjen, Louis M., Yonkers, N. Y. Rotating saw plane. 2,233,998; Mar. 4.
Ex-Cell-O Corporation. (See Aiken, Carroll R., assignor.)
F. A. B. Manufacturing Co. (See Freitag, Knud J. W., assignor.)
Fahlman, Everett G., Lakewood, assignor to The Permold Company, Cleveland, Ohio. Method of and apparatus for casting cylinder heads. 2,233,405; Mar. 4.
Fairchild, Polley & Eliel, Inc. (See Eliel, L. T., Polley, and Phillips, assignors.)
Falesner, Stuart A., Old Greenwich, and R. B. Booth, Springdale, Penn., assignors to American Cyanamid Company, New York, N. Y. Wetting agent in cyanidation. 2,234,140; Mar. 4.
Fancher, John. (See Obetfeld, L., and Fancher.)
Farlow, Mark W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 2,3,4,5-tetrahydrothiophene-1,1-dioxide. 2,233,990; Mar. 4.
Farnsworth, Philo T., San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Image projector. 2,233,887; Mar. 4.
Farnsworth, Philo T., San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Charge storage amplifier. 2,233,888; Mar. 4.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Farnsworth Television & Radio Corporation. (See Snyder, Richard L., assignor.)
Fassdell, Charles L., Brentford, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve oscillatory circuits. 2,233,506; Mar. 4.
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Fay, Horace B., Willoughby, assignor to Gridiron Steel Company, Cleveland, Ohio. Ironing table structure. 2,233,745; Mar. 4.
Fernach Aktiengesellschaft. (See Below, Fritz, assignor.)
Ferranti Electric Inc. (See Miller, John L., assignor.)
Fey, Howard M., Portland, Oreg. Airplane machine gun mount. 2,233,918; Mar. 4.
Fickle, Ruth A., Portsmouth, Va. Dental compart. 2,233,922; Mar. 4.
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Werrmann, Hellmut, assignor.)
Fiedler, Edmond F., Adams, Mass., assignor to General Electric Company. Resinous composition and making the same. 2,233,404; Mar. 4.
Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Making tubular workpieces. 2,233,736; Mar. 4.
Fine Art Manufacturing Company. (See Maddock, Theodore L., assignor.)
Finkelstein, Samuel. (See Pomtuck, J., and Finkelstein.)
Fischer, Anthony J., Jackson Heights, assignor to The Dorr Company, Inc., New York, N. Y. Liquid clarification apparatus. 2,233,448; Mar. 4.
Fix, Earl L., New Kensington, Pa., assignor to Pittsburgh Plate Glass Company. Nonglare safety glass. 2,233,941; Mar. 4.
Fletcher, Milton, New York, N. Y. Electrode for gaseous tubes. 2,233,476; Mar. 4.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Fungicide. 2,233,407; Mar. 4.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Producing higher alkyl aromatic sulphonates. 2,233,408; Mar. 4.
Folgmann, Harold C. (See Doty, Alfred F., assignor.)
Folmer Graflex Corporation, The. (See Van Duser, Clarence H., assignor.)
Forgar, Albert H., Los Angeles, Calif. Carburetor. 2,233,523; Mar. 4.
Fosgood Corporation. (See Girouard, Albert, assignor.)
Foster, Dudley E., South Orange, N. J., and W. S. Barden, Grasmere, Staten Island, N. Y., assignors to Radio Corporation of America. Band width control device. 2,233,776; Mar. 4.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Automatic frequency control circuit. 2,233,777; Mar. 4.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Automatic frequency control circuit. 2,233,778; Mar. 4.
Foster, Warren D., Washington, N. J., and F. D. Sweet, New York, N. Y., assignors to Kinatome Patents Corporation, Ridgewood, N. J. Handling film. 2,233,409; Mar. 4.

Fox, John H., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for making colored sheet glass. 2,233,597; Mar. 4.
Frasch, Jean, assignor to Societe de Produits Chimiques des Terres Rares, Paris, France. Direct nickle-plating of aluminum and its alloys. 2,233,410; Mar. 4.
Freedman-Burnham Engineering Corporation. (See Burnham, Walter E., assignor.)
Freitag, Knud J. W., assignor to F. A. B. Manufacturing Co., Oakland, Calif. Trailer truck. 2,233,697; Mar. 4.
French, Graham, et al. (See Smith, Henry J., assignor.)
Freud, Ignace N., Johnstown, Pa. Catamenial appliance. 2,234,046; Mar. 4.
Frevert, Harry L., assignor to The Midvale Company, Philadelphia, Pa. High creep strength low alloy steel. 2,234,047; Mar. 4.
Frey, Paul R., Fort Collins, Colo. Fountain pen filling adapter. 2,233,942; Mar. 4.
Friedman, Harry. (See Ulano, J., and Friedman.)
Frische, Kurt, Bensheim, Germany. Device for obtaining spinnable fibers from fiber-containing strips of bark. 2,234,113; Mar. 4.
Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge device. 2,233,779; Mar. 4.
Fuhrhop, Otto F., Monroe Township, Henry County, Ohio. Rotating pickup brush for combine harvesters. 2,233,837; Mar. 4.
Galton, Landon C., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand. 2,234,000; Mar. 4.
Gangl, Sebastian. (See Derl, B., and Gangl.)
Garbisch, Norbert S. (See Bair, George J., assignor.)
Garland, Rowland, Pittsburgh, Pa. Signal switch. 2,233,838; Mar. 4.
Garman, Floyd A. (See Breedon, W. A., Garman, and Lorig.)
Gauger, Frank A., et al. (See Radley, Guy R., assignor.)
Gaylord, Laurence T., Upper Montclair, N. J., assignor to Atlantic, Gulf and Pacific Company. Cutter for dredges. 2,233,943; Mar. 4.
Gebauer-Fuelnegg, Erich. (See Kratz, E. M., Heckel, Browning, and Gebauer-Fuelnegg.)
Geer, William E., and E. R. Willey, assignors to A. R. Willey and Sons Inc., Denver, Colo. Standpipe connection for pumps. 2,233,598; Mar. 4.
Geiger, George M. (See Ernst, W., and Geiger, assignors.)
Genda, Chujiro, Beverly Hills, Calif. Signal. 2,233,944; Mar. 4.
General Aniline & Film Corporation. (See Becker, Hans, assignor.)
General Aniline & Film Corporation. (See Brodersen, K., and Quaedvlieg, assignors.)
General Aniline & Film Corporation. (See Burneleit, Willy, assignor.)
General Aniline & Film Corporation. (See Korten, E., and Keller, assignors.)
General Aniline & Film Corporation. (See Wenning, H., and Krzikalla, assignors.)
General Aniline & Film Corporation. (See Zitscher, A., Seidenfaden, and Bröker, assignors.)
General Binding Corporation. (See Emmer, Charles E., assignor.)
General Electric Company. (See Anderson, W. D., and Cook, assignors.)
General Electric Company. (See Bruche, Ernst, assignor.)
General Electric Company. (See Fiedler, Edmond F., assignor.)
General Electric Company. (See Kelley, Gordon, assignor.)
General Electric Company. (See Maughmer, Glenn F., assignor.)
General Electric Company. (See McKibben, Wayne E., assignor.)
General Electric Company. (See Stimson, Allen G., assignor.)
General Electric Company. (See Thomas, Henry P., assignor.)
General Electric Company. (See Weaver, Calus E., assignor.)
General Mills, Inc. (See Anderson, Helmer, assignor.)
General Mills, Inc. (See James, Thomas R., assignor.)
General Motors Corporation. (See Graham, Clare H., assignor.)
General Tire & Rubber Company, The. (See Rauh, Cornelius A., assignor.)
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermal switch. 2,233,884; Mar. 4.
Gifford, Charles R., Arlington, assignor to Concrete Plank Company, Jersey City, N. J. Composite construction member. 2,234,114; Mar. 4.
Gilbert, Walter, Sr., Johnston, assignor to Syntron Company, Homer City, Pa. Sealing means. 2,233,599; Mar. 4.
Girouard, Albert, assignor to Fosgood Corporation, Leominster, Mass. Detachable nose shield for sunglasses or the like. 2,233,698; Mar. 4.
Gistucci, Paul X. A., Paris, assignor to Societe Generale des Carburateurs Zenith, Levallois-Perret, France. Altimetric control device for carburetors. 2,234,001; Mar. 4.
Glasberg, Myer M., Revere, Mass. Eyeshield. 2,233,600; Mar. 4.
Gleason, John H. (See Luenz, Franz, assignor.)
Glenny, Clarence S., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Knock-down reel construction. 2,233,449; Mar. 4.
Glidden Company, The. (See Wahlforss, E., and Satosky, assignors.)
Goedrich, Paul, Newark, N. J. Germicide and making the same. 2,233,812; Mar. 4.
Goetz, Hiram A., Ranson, W. Va. Hame. 2,233,524; Mar. 4.
Goodfellow, Errol D., Miami, Fla. Display and dispensing rack. 2,233,601; Mar. 4.
Goodwin, Marvin W. (See Baker, G. L., and Goodwin.)
Gorrell, John E., assignor to Battle Creek Sanitarium and Benevolent Association, Battle Creek, Mich. Safety lock means for cabinets. 2,233,699; Mar. 4.
Gould, James, Jr., assignor to The Miller Company, Meriden, Conn. Indirect lighting lamp and shade therefor. 2,233,780; Mar. 4.
Government of the United States, as represented by the Secretary of Commerce. (See Dickinson, H. C., and McKee, assignors.)
Graef, Irving. (See Mayer, Béla, assignor.)
Graham, Clare H., assignor to General Motors Corporation, Detroit, Mich. Seat spring. 2,233,737; Mar. 4.
Graham, Clarence T., North Attleboro, assignor, by mesne assignments, to Defiance Manufacturing Company, Barrowsville, Mass. Apparatus for finishing fabrics. 2,233,865; Mar. 4.
Grand Rapids Store Equipment Company. (See Clouse, Earl L., assignor.)
Grand Rapids Store Equipment Company. (See Vanderveld, Anthony, assignor.)
Great Lakes Steel Corporation. (See Selmi, L. G., and Altenburger, assignors.)
Greeley, Joseph M., Southall, England, assignor to The Quaker Oats Company, Chicago, Ill. Cardboard or like box or container. 2,233,602; Mar. 4.
Greenwood, George C. (See Bannister, B., and Greenwood.)
Gridiron Steel Company. (See Fay, Horace B., assignor.)
Griggs, Earl M., Prairie View, Tex. Serving cabinet. 2,234,115; Mar. 4.
Grill, Benjamin, assignor to Waldensian Hosiery Mills, Inc., Valdese, N. C. Yarn-end handling device. 2,233,738; Mar. 4.
Groen, Christopher, Oak Park, Ill., assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa. Valve construction. 2,234,048; Mar. 4.
Groene, William F., assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio. Tool feeding mechanism for lathes. 2,233,977; Mar. 4.
Grossman, Cornel J., Millburn, N. J. Refractory mixture for cast metal molds. 2,233,700; Mar. 4.
Grossman, Cornel J., Millburn, N. J. Refractory composition for dental molds. 2,233,701; Mar. 4.
Grossman, Cornell J., Millburn, N. J. Refractory mold material for cast metal products. 2,233,702; Mar. 4.
Grossman, Harold J., assignor to Julius Wile Sons & Co., Inc., New York, N. Y. Display container. 2,233,813; Mar. 4.
Grupe, William F., Lyndhurst, N. J., assignor to Champlain Corporation. Apparatus for stacking sheets. 2,234,116; Mar. 4.
Guiltman, John B., Spokane, Wash. Power driven hack saw. 2,233,603; Mar. 4.
Gulf Research & Development Company. (See Walsh, B. R., and Mori, assignors.)
Gulf Research & Development Company. (See Wyckoff, Ralph D., assignor.)
Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic speed matcher. 2,233,604; Mar. 4.
Gumlich, Walter, Leverkusen-Schlebusch, and I. Dennstedt, Cologne-Buchforst, Rhine, Germany, assignor, by mesne assignments, to Jasco, Incorporated. Emulsion polymerization of butadienes. 2,234,076; Mar. 4.
Gump, B. F., Co. (See Bauer, Hans A., assignor.)
Günther, Franz, Berlin-Wilmersdorf, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,233,605; Mar. 4.
Guptail, Clarence H., Oshtemo Township, Kalamazoo County, assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,233,525; Mar. 4.
Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Packaging materials. 2,233,945; Mar. 4.
Gustin-Bacon Manufacturing Company. (See Halliburton, Virgil F., assignor.)
Gustin, Merritt G., assignor to The W. C. Russell Moccasin Co., Berlin, Wis. Moccasin. 2,233,978; Mar. 4.
Gutierrez, Anastasio, Mexico, D. F., Mexico. Antiglare attachment. 2,233,739; Mar. 4.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,233,411; Mar. 4.
Hagedorn, Gerhard, Berlin-Halensee, and W. Hass, Klein-Machnow, near Berlin, assignors to B. Berghaus, Berlin-Lankwitz, Germany. Apparatus for double spot or seam welding. 2,233,526; Mar. 4.

Hagedorn, Gerhard, Berlin-Lichterfelde, E. Luxer, Berlin-Südende, and E. G. Wahl, Berlin-Steglitz, assignors to Vertriebsgesellschaft des Leipziger, Leichtmetallwerk m. b. H., Berlin-Lankwitz, Germany. Welding control system. 2,234,117; Mar. 4.

Hager, Fritz. (See Rosengarth, F., and Hager.)

Hall, J. C., Company. (See Stoog, Carl E., assignor.)

Hall, Jonas H., deceased, late of Dexter, Maine, by Y. E. Pooler, administrator, Dexter, Maine, assignor of twenty per cent to F. J. Vincent, twenty per cent to F. E. Pooler, twenty per cent to F. A. Abbott, twenty per cent to C. P. Mower, and twenty per cent to H. F. Wilkins, all of Dexter, Maine. Corn husker. 2,234,118; Mar. 4.

Halliburton, Virgil F., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Stuffing box mounting. 2,234,119; Mar. 4.

Hamblin, Robert H., Worcester, Mass. Mattress. 2,233,327; Mar. 4.

Hanlon & Wilson Company. (See Wilson, John R., assignor.)

Hardwick, Hindle, Inc. (See Hastings, Donald F., assignor.)

Hare, J. C., et al. (See Schramm, Frederick C., assignor.)

Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Magneto. 2,233,946; Mar. 4.

Harrington, Glenn M. (See Lopes, Manuel S., Jr., assignor.)

Harris, Holton T. (See Baird, F. S., and Harris.)

Harris-Seybold-Potter Company. (See Kaddeland, Christen R., assignor.)

Harrison, Edwin D., Jr., Nutley, N. J., assignor to Ditto, Incorporated, Chicago, Ill. Method of and apparatus for sorting cards. 2,233,814; Mar. 4.

Hartford Empire Company. (See Merrill, Donold G., assignor.)

Harvey, Robert L., Oaklyn, N. J., assignor to Radio Corporation of America. Temperature compensated magnetic core inductor. 2,234,002; Mar. 4.

Hass, Henry B. (See Snyder, A. G., and Hass.)

Hass, Henry B., West Lafayette, assignor to Purdue Research Foundation, La Fayette, Ind. Crystallization of glycerin. 2,233,606; Mar. 4.

Hass, Henry B., West Lafayette, Ind., and B. M. Vanderbilt, Cranford, N. J., assignors to Purdue Research Foundation, La Fayette, Ind. Ester of nitro alcohol. 2,233,607; Mar. 4.

Hass, Walter. (See Hagedorn, G., and Hass.)

Hastings, Donald F., Fair Lawn, assignor to Hardwick, Hindle, Inc., Newark, N. J. Resistance unit. 2,233,450. Mar. 4.

Hatch, Ronald K., Highland Park, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich. Winch control. 2,233,703; Mar. 4.

Haux, Elmer H., Tarentum, and W. O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company. Cellular glass and manufacture thereof. 2,233,808; Mar. 4.

Hawkins, Elbert, Joliet, Ill. Propeller. 2,234,120; Mar. 4.

Hayley, Arthur L., Jr., Louisville, Ky. Frog simulating fish lure. 2,234,077; Mar. 4.

Haynes Stellite Company. (See Wissler, William A., assignor.)

Hazeltine Corporation. (See Case, Alison P., assignor.)

Heater, Russell O., Cary, N. C. Combination rope socket and jar. 2,[illegible]340; Mar. 4.

Heaton, Dwight R. P., Sand Hills, Mass. Device for making coffee or the like. 2,233,528; Mar. 4.

Heberlein, Georg, Wattwill, Wanne, and A. Bodmer, Wattwill Speerweg, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Patterned fabric and producing same. 2,233,609; Mar. 4.

Heberlein Patent Corporation. (See Heberlein, G., and Bodmer, assignors.)

Heckel, Herman. (See Kratz, E. M., Heckel, Browning and Gebauer-Fuelnegg.)

Heckendorf, Albert F., assignor to Illinois Malleable Iron Co., Chicago, Ill. Clamp. 2,234,029; Mar. 4.

Heck, Charles M., Raleigh, N. C. Controlling the temperature of objects. 2,234,122; Mar. 4.

Hedeen, Henry V., assignor to Divco-Twin Truck Company, Detroit, Mich. Sealing strip and joint. 2,234,121; Mar. 4.

Hedstrom, Carl W., assignor to Hedstrom-Union Company, Gardner, Mass. Child's vehicle. 2,233,866; Mar. 4.

Hedstrom-Union Company. (See Hedstrom, Carl W., assignor.)

Henry, M. Frances, San Francisco, Calif., assignor of one-half to Utility Packages, Incorporated, New York, N. Y. Dress form. 2,233,610; Mar. 4.

Henschel Flugzeug Werke Aktiengellschaft. (See Riedl, Alois, assignor.)

Herbert, Clarence G., Cleveland, Ohio, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Method and apparatus for manufacturing metallic strip. 2,234,153; Mar. 4.

Hercules Glue Company. (See Dolman, Clarence D., assignor.)

Hercules Powder Company. (See Ramer, Rex J., assignor.)

Herr, Frank E., Lancaster, Pa. Combustion tube. 2,233,529; Mar. 4.

Herter, John R. (See Le Gloahec, V. C. E., and Herter.)

Heurtier, Antoine, Saint Etienne, France. Moving picture projecting machine. 2,233,839; Mar. 4.

Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Loom shuttle positioner. 2,234,040; Mar. 4.

Heydall, Andrew M., Morris, Ill. Portable sheet metal bending tool. 2,233,937; Mar. 4.

Heywood-Wakefield Company. (See Hill, Olva E., assignor.)

Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)

Hickson, Vincent C., et al. (See Simpson, Harry G., assignor.)

Heel In-Heel Incorporated. (See Krenkel, Paul, assignor.)

Hillberg, Frank C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Semistiff collar. 2,233,477; Mar. 4.

Hill, Olva E., assignor to Heywood-Wakefield Company, Gardiner, Mass. Reversible seat base. 2,233,475; Mar. 4.

Hill, Willis C., Los Angeles, Calif. Metallic window screen. 2,233,412; Mar. 4.

Hines, Hazel K. (See Collings, David A., assignor.)

Hodgins, Theodore S. (See Hovey, A. G., and Hodgins.)

Hoffman, John E., assignor to Deere & Company, Moline, Ill. Disk harrow. 2,233,665; Mar. 4.

Hohl, John, and O. Bjering, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Container. 2,233,704; Mar. 4.

Holden, Dean H. (See Burke, B. S., McCandless, Holden and Stedman.)

Hole-proof Hosiery Co. (See Moyer, John D., assignor.)

Holland Company. (See Holland, C. J., and Edahl, assignors.)

Holland, Cyrus J., and K. Edahl, Chicago, Ill., assignors to Holland Company. Bolster banking device. 2,233,479; Mar. 4.

Hollenbeck, Dale G., Stockton, assignor to Thornton Canning Co., Thornton, Calif. Fruit and vegetable washer. 2,233,611; Mar. 4.

Holman, John W., Atchison, Kans. Cloth measuring device. 2,233,530; Mar. 4.

Holt, Harold S. (See Balon, P. A., and Holt.)

Hols, Frank, assignor to N. S. Hols, Cleveland, Ohio. Burial vault. 2,234,141; Mar. 4.

Hols, Norborn S. (See Hols, Frank, assignor.)

Hood, James Bruce, New York, N. Y. Screw threaded element. 2,233,889; Mar. 4.

Hook, Arley U., assignor to Bersted Manufacturing Company, Fostoria, Ohio. Shock absorbing clutch. 2,233,705; Mar. 4.

Hooker, Donald E., and F. G. Nicolaus, assignors to R. T. Moloney, Chicago, Ill. Ball rolling game. 2,233,612; Mar. 4.

Hooper, George W. (See Rowe, Fred H., assignor.)

Hoover, Frank M., Youngstown, Ohio. Child's rattle. 2,234,137; Mar. 4.

Hoover, Valno A., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Eccentric suspension and cable connection for submersible motor pumps. 2,233,890; Mar. 4.

Hopkins, John M. (See Ely, P. C., and Hopkins.)

Hopkins, Nathan F., Rockland, and W. A. Bertrand, Brockton, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,233,413; Mar. 4.

Horn, Charles L. (See Reed, Cortes F., assignor.)

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaning system. 2,233,815; Mar. 4.

Horvath, Anthony G., assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Pump. 2,233,979; Mar. 4.

Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)

Hovey, Almon G., Birmingham, and T. S. Hodgins, Royal Oak, assignors to Reichhold Chemicals, Inc., formerly Beck, Koller & Company, Inc., Detroit, Mich. Cyclonic aralkoxyethoxyamine resin and process of the same. 2,233,531; Mar. 4.

Howe, Charles S., Pasadena, assignor to Industrial Developments, Incorporated, Los Angeles, Calif. Suspension of solids and making same. 2,233,867; Mar. 4.

Hruska, Howard E., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission control. 2,234,003; Mar. 4.

Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Apparatus for heat transfer. 2,233,414; Mar. 4.

Hudman, Robert O., Morganton, and G. W. Shuford, and B. F. Childers, assignors to Drexel Knitting Mills Company, Drexel, N. C. Automatic hose shearing and stripping apparatus. 2,233,451; Mar. 4.

Hull, Harvard L., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Position control system. 2,233,415; Mar. 4.

Humphreys, Ferdinand F., Caldwell, and T. A. Terjesen, Hoboken, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Electrical circuit controlling device. 2,233,532; Mar. 4.

Hunt, Marion J., Peoria, Ill., assignor to Wood Brothers Thresher Company, Des Moin[illegible] Iowa. Sheller plate and concave for threshing machines. 2,234,078; Mar. 4.

Hunt, W. B. (See Penland, William F., assignor.)

Hutt, George A. (See Hutt, Robert J., and G. A.)

Hutt, Robert J. and G. A. Hutt, Brooklyn, N. Y. Shelf paper. 2,233,816; Mar. 4.

Hydraulic Press Corporation. (See Ernst, W., and Gelger, assignors.)

Hydraulic Press Corporation. (See Shaw, Victor S., assignor.)

Illinois Malleable Iron Co. (See Heckendorf, Albert F., assignor.)

Illinois Malleable Iron Co. (See Turzicky, Francis, assignor.)

Imperial Chemical Industries Limited. (See Cliffe, W. H., and Knight; assignors.)

Imperial Chemical Industries, Limited. (See Crawford, J. W. C., and McLeish, assignors.)

Imperial Chemical Industries Limited. (See Rogers, M. A. T., and Sexton, assignors.)

Indergand, Josef, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Electricity meter. 2,233,781; Mar. 4.

Industrial Developments, Incorporated. (See Howe, Charles S., assignor.)

Industrial Rayon Corporation. (See Kline, H. B., and Jordan, assignors.)

Interchemical Corporation. (See Sorkin, Morris, assignor.)

Ising, Gustaf A., Djursholm, assignor to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden. Arrangement for measuring the terrestrial magnetic field. 2,234,123; Mar. 4.

Jackson, Corwill, Ludington, Mich. Concrete placement apparatus. 2,233,833; Mar. 4.

Jähne, Ernst Hermann, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V. Rotterdam, Netherlands. Cigar wrapping machine. 2,233,452; Mar. 4.

James, David E., New Cross, London, assignor to J. Stone & Company, Limited, Deptford, England. Bulkhead door. 2,233,533; Mar. 4.

James, Thomas R., Minneapolis, Minn., assignor to General Mills, Inc. Food processing machine. 2,233,919; Mar. 4.

Janney Cylinder Company. (See Janney, W. T., and Sorensen, assignors.)

Janney, Walter T., and M. H. Sorensen, assignors to Janney Cylinder Company, Philadelphia, Pa. Pump liner. 2,234,142; Mar. 4.

Jasco, Incorporated. (See Gmmlich, W., and Dennstedt, assignors.)

Jaworowski, Joseph F., assignor of one-fourth to A. H. Dettelbach and one-fourth to S. W. Emerson, Cleveland, Ohio. Rotary pump. 2,233,534; Mar. 4.

Jegge, Ernest O. (See Eddy, A. L., and Jegge.)

Jenkins, Ralph V., Salt Lake City, Utah. Oil can. 2,233,535; Mar. 4.

Jewell, Ira H., Evanston, Ill. Method of and apparatus for filtration. 2,233,980; Mar. 4.

Jewell, Ira H., Evanston, Ill. Filter. 2,233,981; Mar. 4.

Jinkerson, George B., St. Louis, Mo. Sealing packages. 2,233,666; Mar. 4.

Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Foil sheathing for wooden ironing boards. 2,234,143; Mar. 4.

Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Collapsible ironing table. 2,234,144; Mar. 4.

Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Radio antenna for automobiles. 2,233,920; Mar. 4.

Johnson, John F. (See Todd, B. H., Johnson, and Pudge.)

Jonas, Frank D., East Williston, assignor to Oxford Filing Supply Co., Brooklyn, N. Y. Filing cabinet shell. 2,233,480; Mar. 4.

Jones, Edwin A., et al. (See Radley, Guy R., assignor.)

Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Divider means for file receptacles. 2,233,938; Mar. 4.

Jones, Karl M., Montclair, N. J. Nut cracking. 2,234,157; Mar. 4.

Jones, Robert G., Chattanooga, Tenn. Piston structure. 2,234,124; Mar. 4.

Jones, Roy T. (See Pitt, F. D., and Jones.)

Jordan, Lavern J. (See Kline, H. B., and Jordan.)

Julianelli, Charles A. (See Winkel, M., and Julianelli.)

Jung, Heinrich. (See Andersag, H., Breitner, and Jung.)

Junghans, Helmut, Schramberg Sulgen, Germany. Anchor escapement for clocks and the like. 2,233,921; Mar. 4.

Kaddeland, Christen R., Shelton, Conn., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Sheet cutoff and feeding mechanism. 2,233,922; Mar. 4.

Kaeser, Friedrich, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Berlin, Germany. Transmitter. 2,233,453; Mar. 4.

Kallo, Inc. (See Wickardt, Kurt, assignor.)

Källe, Karl T., Saffle, Sweden. Apparatus for indicating and/or controlling the concentration or viscosity of liquids or suspensions. 2,233,561; Mar. 4.

Kalmus, Henry P., assignor to Emerson Radio & Phonograph Corporation, New York, N. Y. Radio receiving circuit. 2,233,706; Mar. 4.

Kannenberg, Walter F. (See Cowley, G. W., and Kannenberg.)

Kantack, Walter W., St. Albans, N. Y. Ventilated luminaire. 2,233,947; Mar. 4.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Power wringer and the like. 2,234,145; Mar. 4.

Keller, Karl. (See Korten, E., and Keller.)

Kelley, Burton J., Punxsutawney, Pa. Extension arm attachment for jacks. 2,233,536; Mar. 4.

Kelley, Gordon, Nahant, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,233,982; Mar. 4.

Kelling, Scott L., Jefferson City, Mo. Multitubular boiler. 2,233,537; Mar. 4.

Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)

Kice, Murray S., Jr., assignor to American Blower Corporation, Detroit, Mich. High-speed inlet vane. 2,233,983; Mar. 4.

Kiesel, William F., Jr., Hollidaysburg, Pa. Spark arrester (louvered). 2,233,613; Mar. 4.

Killian, Frank B., & Company. (See Maywald, Frederick John, Jr., assignor.)

Killian, Frank B., & Co. (See Reisinger, Hugo, assignor.)

Kimball, Charles N., East Orange, N. J., assignor to Radio Corporation of America. Automatic volume control circuit. 2,233,782; Mar. 4.

Kimion, Archie A., et al. (See Philippe, George A., assignor.)

Kimmich, William, Flushing, and H. Schnoor, New York, N. Y., assignors to Radio Corporation of America. Messenger call box. 2,233,783; Mar. 4.

Kinatone Patents Corporation. (See Foster, W. D., and Sweet, assignors.)

King, Charles G., and W. A. Waugh, Pittsburgh, Pa. Preparing vitamin C. 2,233,417; Mar. 4.

King, Lillian L., Beverly Hills, Calif. Making neckties. 2,233,784; Mar. 4.

Kinker, Clarence C., Montreal, Quebec, Canada, assignor to Owens-Illinois Glass Company. Apparatus for conditioning molten glass. 2,234,147; Mar. 4.

Kirsten, Kurt F. J., Seattle, Wash. Cathode electrode. 2,233,741; Mar. 4.

Kish, Albert B., Newark, N. J. Analytical balance. 2,233,868; Mar. 4.

Klangfilm G. m. b. H. (See Wohlrab, H., and Schwarz, assignors.)

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Inverter. 2,233,416; Mar. 4.

Kline, Hayden B., and L. J. Jordan, Fairview Village, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of staple fiber. 2,233,418; Mar. 4.

Knight, Arthur H. (See Cliffe, W. H., and Knight.)

Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Fallboard and music desk combination. 2,233,984; Mar. 4.

Knowland, Thomas M., Belmont, and A. G. Russell, Longmeadow, assignors to Boston Woven Hose & Rubber Company, Cambridge, Mass. Card apron. 2,233,985; Mar. 4.

Koch Co. Inc., et al. (See Schramm, Frederick C., assignor.)

Kock, Winston E., assignor to The Baldwin Company, Cincinnati, Ohio. Electrical organ. 2,233,948; Mar. 4.

Koehler, Gustave J., Dayton, Ohio. Liquid control valve. 2,233,840; Mar. 4.

Kohn, née Meier, Fridl, New York, N. Y. Ash tray. 2,234,053; Mar. 4.

Korpium, Joachim, Berlin-Grunewald, Germany, assignor, by mesne assignments, to Sherka Chemical Co. Inc., Bloomfield, N. J. Manufacture of oxide layers on aluminum and aluminum alloys and to electrolytes therefor. 2,233,785; Mar. 4.

Korten, Ernst, and K. Keller, Frankfort-on-the-Main-Fechenheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Producing melamine. 2,233,817; Mar. 4.

Koskela, Joel, New York, N. Y. Shoe stretching last. 2,233,454; Mar. 4.

Kratz, Edouard M., H. Heckel, and E. Browning, Gary, Ind., and E. Gebauer-Fuelnegg, Evanston, assignors, by mesne assignments, to Marbon Corporation, Chicago, Ill. Sheet material. 2,233,885; Mar. 4.

Kratz, Edouard M., Ogden Dunes, Ind., assignor to Marbon Corporation. Plasticized protein compositions. 2,233,891; Mar. 4.

Krenkel, Klara, executrix. (See Krenkel, Paul.)

Krenkel, Paul, Philadelphia, deceased, E. K. Krenkel, executrix, assignor to Heel-In-Heel Incorporated, Philadelphia, Pa. Knitted article and making the same. 2,234,146; Mar. 4.

Kritchevsky, Wolf, Chicago, Ill., assignor, by mesne assignments, to George W. Benz, St. Paul, Minn. Treatment of animal fur. 2,234,138; Mar. 4.

Krotoschiner, Heinz, Berlin, Germany. Casing for photographic appliances. 2,233,614; Mar. 4.

Krum, Howard L., Kenilworth, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,233,647; Mar. 4.

Krum, Howard L., Beverly Hills, Calif., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,233,648; Mar. 4.

Krulkalla, Hans. (See Wenning, H., and Krulkalla.)

Kuehl, Helen, Woodside, N. Y. Drafting utensil. 2,233,481; Mar. 4.

Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Electrically heated laundry iron. 2,233,615; Mar. 4.

Kunze, Armin, Berlin-Zehlendorf, Germany. Apparatus for wrapping carbon dollies. 2,233,538; Mar. 4.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,233,949; Mar. 4.

La-Del Conveyor & Manufacturing Company. (See Bebinger, Charles N., assignor.)

Lakso, Eino E., Fitchburg, Mass., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Manufacture of bags. 2,234,051; Mar. 4.

Lamb, Anthony H., East Orange, N. J., assignor to Western Electrical Instrument Corporation, Newark, N. J. Relay control device. 2,233,616; Mar. 4.

Lamb, David A., Westminster, London, England, assignor to American Chain & Cable Company Inc., New York, N. Y. Resistance welding apparatus. 2,233,617; Mar. 4.

Lamm, William R., San Antonio, Tex. Charcoal lighter. 2,234,004; Mar. 4.

Landis & Gyr, A. G. (See Indergand, Josef, assignor.)

Landrum, Porter, Birmingham, Ala. Flexible power transmission. 2,233,539; Mar. 4.

Larson, Louis J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding. 2,233,455; Mar. 4.

Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Journal box mounting. 2,233,540; Mar. 4.

Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Eight-wheel truck. 2,233,541; Mar. 4.

La Vista, Joseph D., Bogalusa, N. Y. Hair curler. 2,234,060; Mar. 4.

Law, Russell R., Chatham, N. J., assignor to Radio Corporation of America. Fluorescent screen assembly and method of manufacture. 2,233,786; Mar. 4.

Lawrance, Charles L., New York, N. Y., assignor to Lawrance Engineering and Research Corporation, Linden, N. J. Geared connecting rod means for engines. 2,233,669; Mar. 4.

Lawrance Engineering and Research Corporation. (See Lawrance, Charles L., assignor.)

Leach, Harold B., Chicago, Ill., assignor to Electric Arc Cutting & Welding Company, Newark, N. J. Safety welding electrode holder. 2,233,618; Mar. 4.

Leavitt, Wesley, Black's Harbour, New Brunswick, Canada. Amusement device. 2,234,125; Mar. 4.

Le Blond, R. K., Machine Tool Company, The. (See Campbell, Magnus F., assignor.)

Le Blond, R. K., Machine Tool Company, The. (See Greene, William F., assignor.)

Lee, Harold R., Ventura, Calif. Guiding device. 2,233,670; Mar. 4.

Leech, Francis B., Ann Mil, assignor to Mueller Furniture Company, Grand Rapids, Mich. Chair. 2,233,980; Mar. 4.

Le Gloahec, Victor C. E., Rockland, Maine, and J. R. Herter, New York, N. Y., assignors to Algin Corporation of America. Iodine recovery. 2,233,787; Mar. 4.

Leichner, Georg, Bonigen, near Interlaken, Switzerland. Regulating transformer with contact ring current collector. 2,233,842; Mar. 4.

Leonard, Ward, Electric Company. (See Andrews, Rufus A., assignor.)

Leonardon, Eugene G., assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Method of and apparatus for exploring drill holes. 2,233,420; Mar. 4.

Lepetit, Albert E. M., Montrouge, France. Detent means. 2,233,950; Mar. 4.

Lepsoe, Robert, Trail, British Columbia, assignor to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Recovery of sulphur dioxide from gases. 2,233,841; Mar. 4.

Levine, Morris, Pampa, Tex., assignor to Danciger Oil & Refineries, Inc., Tulsa, Okla. Producing low boiling hydrocarbons. 2,234,951; Mar. 4.

Levinsohn, Bernard, New York, N. Y. Reversible coat. 2,233,567; Mar. 4.

Lewin, Gerhard, Newark, N. J., assignor to Radio Corporation of America. Radiation pyrometer. 2,233,788; Mar. 4.

Lichtenberger, Paul W., Philadelphia, Pa. Garbage and waste receptacle. 2,233,780; Mar. 4.

Liddicoat, Percill, St. Catharines, Ontario, Canada. Detachable drill bit. 2,233,421; Mar. 4.

Lily-Tulip Cup Corporation. (See Reifsnyder, James D., assignor.)

Linch, Harry A., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Thickening apparatus. 2,233,610; Mar. 4.

Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Anode tank circuit oscillator. 2,233,482; Mar. 4.

Line Material Company. (See Churchill, Homer, assignor.)

Linsley, Douglas F., Norwalk, Conn. Fluid pressure operated gear shifter. 2,233,790; Mar. 4.

Lippincott, Samuel B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Improving the thermal stability of nitroparaffins. 2,233,620; Mar. 4.

Lipsett, Solomon G., assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada. Window frame construction. 2,233,952; Mar. 4.

Lloyd, William, assignor to Combustion Engineering Company, Inc., New York, N. Y. Chain grate stoker. 2,233,542; Mar. 4.

Loane, Clarence M., and H. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Diesel engine lubricant. 2,234,005; Mar. 4.

Lodeesen, Herman J., Royal Oak, Mich. Coating copper and its alloys. 2,233,422; Mar. 4.

Lopes, Manuel S., Jr., Alameda, assignor of one-half to G. M. Harrington, San Francisco, Calif. Shipping case. 2,233,671; Mar. 4.

Lorig, Frank W. (See Breedon, W. A., Garman, and Lorig.)

Lovell, Clarence A., Maplewood, and A. H. Muller, Woodridge, N. J., and D. E. Woodridge Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pole-piece assembly for telegraphones. 2,233,621; Mar. 4.

Lovell Manufacturing Company. (See Kaufman, Walter L., II, assignor.)

Lowrie, Virgil. (See Allison, Douglas, assignor.)

Lowry, Lloyd R., Sr., assignor of one-half to R. Stanley, Weatherford, Okla. Safety wheel. 2,233,742; Mar. 4.

Lubri-Zol Development Corporation, The. (See Steiner, Waldo L., assignor.)

Luenz, Franz, assignor of one-half to J. H. Gleason, Chicago, Ill. Valve. 2,234,052; Mar. 4.

Lukács, Ernst, Budapest, Hungary. Cold working metal bar. 2,233,860; Mar. 4.

Luxer, Erwin. (See Hagedorn, G., Luxer and Wahl.)

Lytle, William O. (See Haux, R. H., and Lytle.)

Lytle, William O. (See Miller, R. A., and Lytle.)

Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., Decorative glass and producing the same. 2,233,622; Mar. 4.

M and M Wood Working Company. (See Pasquier, Michel, assignor.)

Machaughlin, J. Beverley, et al. (See Bolt, Floyd E., assignor.)

Maddock, Theodore L., assignor to Fine Art Manufacturing Company, Cleveland, Ohio. Transfer sheet for shading surfaces. 2,233,791; Mar. 4.

Magill, Donald G., Great Neck, assignor to American Can Company, New York, N. Y. Making fiber containers. 2,233,423; Mar. 4.

Magneseal Company. (See Magnesen, Charles D., assignor.)

Magnesen, Charles D., Chicago, Ill., assignor to Magneseal Company. Bearing seal. 2,233,624; Mar. 4.

Main, Frank L., Birmingham, assignor to Kelsey Hayes Wheel Company, Detroit, Mich. Hydraulic brake apparatus. 2,233,892; Mar. 4.

Mallory, Edward B., Tenafly, N. J. Settling and grit removing apparatus. 2,233,702; Mar. 4.

Manali, Vito, et al. (See Schramm, Frederick C., assignor.)

Man-Sew Plating Attachment Corp. (See Sigeda, Victor J., assignor.)

Marbon Corporation. (See Krata, Edouard M., assignor.)

Marbon Corporation. (See Krata, E. M., Heckel, Browning and Gebauer-Fuelnegg, assignors.)

Marchante, Anthony J., et al. (See Schramm, Frederick C., assignor.)

Marini, Charles A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring. 2,234,150; Mar. 4.

Marker, Norman E. (See Barthel, O. E., and Marker.)

Marquardt, Leonard A., Elmhurst, assignor to W. H. Miner, Inc., Chicago, Ill. Door latch. 2,233,625; Mar. 4.

Marti, Fritz, La Chaux-de-Fonds, Switzerland. Resilient fastening device for bearings, particularly for balance staffs of watches. 2,233,743; Mar. 4.

Martin, Adam H. and B. H., Terre Hill, Pa. Silo construction. 2,234,139; Mar. 4.

Martin, Benjamin H. (See Martin, Adam H., and B. H.)

Martin, Joseph, Lauretton, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Couch bed. 2,233,893; Mar. 4.

Maschinen und Metallwaren-Handelsgesellschaft m. b. H. (See Suss, Heinrich, assignor.)

Mason, Frank M., Chicago, Ill., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Submersible electrical motor. 2,233,672; Mar. 4.

Mason, Glenn E., St. Louis County, Mo. Method of and apparatus for making sausages. 2,234,054; Mar. 4.

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Lignocellulose fiber products. 2,234,126; Mar. 4.

Masonite Corporation. (See Mason, William H., assignor.)

Mastic Asphalt Corporation. (See Snyder, Gilbert J., assignor.)

Matter, Gustave O., Portland, Oreg. Dispensing valve. 2,233,818; Mar. 4.

Maughmer, Glenn F., Phoenix, Ariz., assignor to General Electric Company. Control device. 2,233,923; Mar. 4.

Mautsch, Robert, Brussels, Belgium. Manufacture of a metallurgical product intended to be melted for forming a metal or an alloy. 2,234,127; Mar. 4.

Mayer, Béla, Budapest, Hungary, assignor to Irving Graef, New York, N. Y. Valve device. 2,233,673; Mar. 4.

Maywald, Frederick J., Jr., Rutherford, N. J., assignor, by mesne assignments, to F. B. Killian & Company, Akron, Ohio. Machine for beading dipped rubber articles. 2,233,543; Mar. 4.

Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)

McCabe, Ira E., Chicago, Ill. Temperature controlling system. 2,233,674; Mar. 4.

McCandless, Stanley R. (See Burke, B. S., McCandless, Holden and Stedman.)

McClaskey, Charles B., New Philadelphia, Pa. Container. 2,233,843; Mar. 4.

McClintock, Florence L., et al. (See Currier, Neil B., assignor.)

McClintock, Lynn H., et al. (See Currier, Neil B., assignor.)

McClure, Carroll W., McKeesport, Pa., assignor to National Tube Company. Gauge. 2,233,626; Mar. 4.

McDonald, A. Y., Mfg. Co. (See Groen, Christopher, assignor.)

McDonald, Harry T., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Equalizer apparatus. 2,233,627; Mar. 4.

McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,233,953; Mar. 4.

McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,233,954; Mar. 4.

McGuire, Irving J. (See Trammell, Earl M., Sr., and E. M., Jr., assignors.)

McIntire, James E., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Taping machine. 2,233,424; Mar. 4.

McKay Machine Company. (See Miller, R. J., and Todd, assignors.)

McKay, Robert C., Swampscott, Mass. Book. 2,233,425; Mar. 4.

McKee, Samuel A. (See Dickinson, H. C., and McKee.)

McKibben, Wayne E., Scotia, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,233,924; Mar. 4.

McKinley, Ruth R., Miami, Fla. Reflector attachment for shoes. 2,233,544; Mar. 4.

McLeish, Nancy. (See Crawford, J. W. C., and McLeish.)

McMullen, John C., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory. 2,234,006; Mar. 4.

McNab, John G., Roselle, N. J., assignor to Standard Oil Development Company. Lubricant. 2,233,426; Mar. 4.

McQuay-Norris Manufacturing Company. (See Smith, Dallas M., assignor.)

Mead, Edward S., Philadelphia, Pa. Composite fuel and the combustion thereof. 2,233,894; Mar. 4.

Meder, Robert E., Milwaukee, Wis. Autofocus enlarger. 2,233,744; Mar. 4.

Meik, Otto A. (See Meik, Richard H. F., and O. A.)

Meik, Richard H. F., and O. A., East Melbourne, Victoria, Australia. Mousetrap. 2,233,628; Mar. 4.

Meilin, Erwin, Berlin-Mariendorf, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Impulse control device. 2,233,844; Mar. 4.

Menge, Clarence H., Mount Clemens, Mich., assignor to The Murray Corporation of America. Cushion construction. 2,233,545. Mar. 4.

Menzel, Friedrich, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Electromagnetic regulator. 2,234,158; Mar. 4.

Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of controlling temperatures in lehrs. 2,233,629; Mar. 4.

Mestre, Luis, assignor to Style Duplicator Corporation, New York, N. Y. Duplicating machine. 2,233,895; Mar. 4.

Metcalf, Arthur G. B., Milton, assignor to Photoswitch Incorporated, Cambridge, Mass. Supervising filamentary material. 2,233,483; Mar. 4.

Meulendyke, Charles E., Rochester, N. Y. Etching nickel. 2,233,546; Mar. 4.

Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Folding mechanism for printing presses. 2,233,793; Mar. 4.

Michalk, Otto. (See Colditz, H. M., and Michalk.)

Midvale Company, The. (See Frevert, Harry L., assignor.)

Milan, Joseph M., Indianapolis, Ind., assignor of four and three-tenths percent to Andrew Nordin, Los Angeles, Calif. Brake. 2,233,427; Mar. 4.

Miller, Benjamin, Richmond Hill, assignor to Cities Service Oil Company, New York, N. Y. Analysis of gas. 2,234,128; Mar. 4.

Miller Company, The. (See Gould, James, Jr., assignor.)

Miller, Frederick H. W., Napa, Calif. Engine. 2,233,630; Mar. 4.

Miller, John L., Hollinwood, England, assignor to Ferranti Electric Inc., New York, N. Y. Electrical surge absorber. 2,233,939; Mar. 4.

Miller, Ralph J., and R. T. Todd, assignors to McKay Machine Company, Youngstown, Ohio. Strip coiling machine. 2,233,547; Mar. 4.

Miller, Richard O., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriter feed roll and the like. 2,233,955; Mar. 4.

Miller, Robert A., Tarentum, and W. O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company. Manufacturing cellular glass. 2,233,631; Mar. 4.

Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Fluid dispenser. 2,234,079; Mar. 4.

Mills, Victor, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Hydrolyzing fats. 2,233,845; Mar. 4.

Miner, John D., Jr., and H. D. Else, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shaver motor. 2,233,623; Mar. 4.

Miner, W. H., Inc. (See Marquardt, Leonard A., assignor.)

Miner, W. H., Inc. (See Olander, Roland J., assignor.)

Mitchell, Donald C. (See Mitchell, Thomas A., and D. C.)

Mitchell, Robert, Co. Limited, The. (See Lipsett, Solomon G., assignor.)

Mitchell, Thomas A., and D. C. Mitchell, assignors to Palos Verdes Laboratories Corporation, Torrance, Calif. Cement comprising magnesia and copper chloride and articles made therefrom. 2,234,080; Mar. 4.

Moberg, Gunnar, Chicago, assignor, by mesne assignments, to J. F. Cook, Jr., Hinsdale, Ill., as trustee. Wall washing apparatus. 2,233,632; Mar. 4.

Mohler, Valentine J., River Forest, assignor to Central Commercial Company, Chicago, Ill. Console. 2,234,055; Mar. 4.

Moll, Harold W. (See Smith, F. B., and Moll.)

Mollenberg, Harold J., Kenmore, N. Y. Refrigerating apparatus. 2,233,633; Mar. 4.

Moloney, Raymond T. (See Hooker, D. E., and Nicolaus, assignors.)

Monroe Calculating Machine Company. (See Chase, George C., assignor.)

Monsanto Chemical Company. (See Sibley, Robert L., assignor.)

Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Separable socket. 2,234,056; Mar. 4.

Moore, Edmond E., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Aliphatic amine salts of nicotinic acid. 2,233,419; Mar. 4.

Moore, George F., Tampa, Fla., assignor to U. S. Phosphoric Products Corporation, New York, N. Y. Manufacture of phosphoric acid. 2,233,956; Mar. 4.

Morf, Ernest. (See Walsh, B. R., and Morf.)

Morton, Eric A. (See Ashton, H., and Morton.)

Mount, Morris B., Lynchburg, Va. Causticizing tower. 2,234,057; Mar. 4.

Mower, Clyde F., et al. (See Hall, Jonas H., assignor.)

Moyer, John D., assignor to Hole-proof Hosiery Co., Milwaukee, Wis. Full-fashioned knitting machine. 2,234,160; Mar. 4.

Mrozik, Joseph, Niagara Falls, N. Y. Switch box support. 2,233,548; Mar. 4.

Mueller Furniture Company. (See Leech, Francis B., assignor.)

Muller, Arno H. (See Lovell, C. A., Muller, and Woolridge, assignors.)

Muller, J. C., N. Y. (See Jähne, Ernst H., assignor.)

Muller, J. C., N. Y. (See Zimniak, Edmund, assignor.)

Murray Company, The. (See Blewett, John, assignor.)

Murray Corporation of America, The. (See Clark, N. C., and Benz, assignors.)

Murray Corporation of America, The. (See Menge, Clarence H., assignor.)

Murray, Victor E., Cincinnati, Ohio. Duplex roller shade and manufacture. 2,234,058; Mar. 4.

Muter Company, The. (See Muter, Leslie F., assignor.)

Muter, Leslie F., assignor to The Muter Company, Chicago, Ill. Suction type fastener. 2,233,870; Mar. 4.

Narten, Georg, Ida-und Marienhuette, near Saarau, assignor to the firm Silesia Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany. Device for heating liquids. 2,233,675; Mar. 4.

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)

National Electric Welding Machines Co. (See Nichols, Leonard E., assignor.)

National Lock Washer Company, The. (See Schunk, Joseph, assignor.)

National Tube Company. (See Bannister, B., and Greenwood, assignors.)

National Tube Company. (See Ely, P. C., and Hopkins, assignors.)

National Tube Company. (See Findlater, Stevenson, assignor.)

National Tube Company. (See McClure, Carroll W., assignor.)

National Tube Company. (See Sanders, Elmer N., assignor.)

Nebuda, Vladimir G., West Point, Nebr. Straw buncher and discharge means for combines. 2,234,081; Mar. 4.

Nelson, Floyd R., assignor to Cotta Transmission Corporation, Rockford, Ill. Stoker coal feed screw. 2,233,707; Mar. 4.

Nelson, George N., Minneapolis, Minn. Toilet article. 2,233,804; Mar. 4.
Newton, John S., Drexel Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,233,634; Mar. 4.
Nicolaus, Frank G. (See Hooker, D. E., and Nicolaus.)
Nichols, Leonard E., assignor to National Electric Welding Machines Co., Bay City, Mich. Welding electrode assembly for welding machines. 2,233,897; Mar. 4.
Nilson, Leonard D., Wayzata, assignor to Vulcan Manufacturing Co., Inc., St. Paul, Minn. Jack structure. 2,233,745; Mar. 4.
Nixon Nitration Works. (See Orsini, Camillo, assignor.)
Noble, Edward C., Houston, Tex. Coupling. 2,233,794; Mar. 4.
Nordin, Andrew. (See Milan, Joseph M., assignor.)
North American Rayon Corporation. (See Crosswell, Arthur, assignor.)
Northausen, Frederick, Coburg, Victoria, Australia. Automatic lubricator for elevator guide rails. 2,234,635; Mar. 4.
Northway, Ralph E., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spinning and similar machine. 2,234,057; Mar. 4.
Norton, Charles E., Evanston, Ill. Automobile windshield. 2,233,708; Mar. 4.
Nu-Flim Products Company. (See Ulano, J., and Friedman, assignors.)
Nystrom, Karl P., Milwaukee, Wis. Diaphragm for railroad passenger cars and mounting same. 2,234,059; Feb. 4.
O'Brien, William B., Brookline, assignor to The Dodge Chemical Company, Boston, Mass. Embalming fluid. 2,233,428; Mar. 4.
Obatfeld, Abraham. (See Obatfeld, L., and Fancher, assignors.)
Obatfeld, Leo, Brooklyn, N. Y., and J. Fancher Chatham, N. J., assignors to L. Obatfeld, Brooklyn, and A. J. Obatfeld, New York, N. Y. Combination stapling machine and tacker. 2,233,958; Mar. 4.
Okonite-Callender Cable Company. (See Bennett, Charles E., assignor.)
Okonite Company, The. (See Wiseman, Robert J., assignor.)
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,233,838; Mar. 4.
Olson, Harry F., Audubon, and J. Preston Burlington, N. J., assignors to Radio Corporation of America. Acoustical apparatus. 2,234,007; Mar. 4.
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Side seam for can bodies. 2,233,549; Mar. 4.
Openchowski, M. W., et al. (See Ostromislensky, Iwan I., assignor.)
Openshaw, John, Tiverton, assignor to Berkshire Fine Spinning Association, Inc., Providence, R. I. Apparatus for making slub yarn. 2,233,819; Mar. 4.
Oppenheim, Morris, Chicago, Ill. Sheet holder. 2,233,560; Mar. 4.
Orsini, Camillo, Highland Park, assignor to Nixon Nitration Works, Nixon, N. J. Machine and method for making striped plastic bodies. 2,233,987; Mar. 4.
Osborne, Herbert C., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis. Fuel supply unit for oil burners. 2,233,709; Mar. 4.
Osterkamp, George O., Burbank, Calif. Wheelbarrow. 2,233,710; Mar. 4.
Ostromislensky, Iwan I., New York, N. Y., assignor of one-half to M. W. Openchowski, Newark, and one-half to G. B. Scheibell, Millburn, N. J., deceased, W. O. Scheibell, administrator. Producing beta-tetrachlorketonaphthalene. 2,233,429; Mar. 4.
Ott, Robert W., Stratford, Conn., assignor to Van Norman Machine Tool Company, Springfield, Mass. Fluid pump. 2,233,541; Mar. 4.
Owens-Corning Fiberglas Corporation. (See Rosengarth, F. and Hager, assignors.)
Owens-Corning Fiberglas Corporation. (See Smith, Harry V., assignor.)
Owens-Corning Fiberglas Corporation. (See Snow, Henry, assignor.)
Owens-Illinois Glass Company. (See Hohl, J., and Bjering, assignors.)
Owens-Illinois Glass Company. (See Kinker, Clarence C., assignor.)
Owens-Illinois Glass Company. (See Lakso, Elmo E., assignor.)
Owens-Illinois Glass Company. (See Vogt, Clarence W., assignor.)
Oxford Filing Supply Co. (See Jonas, Frank D., assignor.)
Pace, James H., Avondale Estates, Ga. Dual control for automobiles. 2,234,082; Mar. 4.
Packard, Eldie E., Lomira, Wis. Fountain pen. 2,233,840; Mar. 4.
Pagendarm, John F., Oakland, Calif., assignor to Bemiss Corporation. Manufacture of composite structures. 2,233,484; Mar. 4.
Palos Verdes Laboratories Corporation. (See Mitchell, Thomas A., and D. C., assignors.)
Park, Robert H., Piurkemin, N. J. Electric cooking device. 2,233,485; Mar. 4.
Parsons, Fred A., Milwaukee, Wis. Mixing valve device. 2,233,871; Mar. 4.
Pasquier, Michel, assignor to M. and M. Wood Working Company, Portland, Oreg. Door and panel construction. 2,233,711; Mar. 4.
Patrick, Ross, Indianapolis, Ind., assignor by mesne assignments to United States Rubber Company, New York, N. Y. Apparatus for manufacturing inner tubes. 2,233,637; Mar. 4.
Patzer, William. (See Tratsch, W. A., and Patzer.)
Pavlecka, Vladimir H., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Riveting. 2,233,930; Mar. 4.
Peck, Fred, Albuquerque, N. Mex. Door hanger. 2,233,658; Mar. 4.
Pegg, Edward H. R., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical precipitator. 2,233,679; Mar. 4.
Penland, William F., assignor of one-half to W. B. Hunt, Lexington, N. C. Warp stop motion. 2,232,552; Mar. 4.
Pensak, Louis, Brooklyn, N. Y., assignor to Radio Corporation of America. Electron discharge device. 2,233,795; Mar. 4.
Perfumoid Company, The. (See Fahlman, Everett G., assignor.)
Perosa Corporation. (See Adamoli, Carlo, assignor.)
Pfeil, William C., Chicago, Ill. Ice cutting device. 2,234,129; Mar. 4.
Phillipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,233,456; Mar. 4.
Phillipp, George A., Henryetta, assignor of one-twentieth to A. A. Kinlen, Sand Springs, one-twentieth to Beulah M. Shoymaker, Tulsa, one-twentieth to H. B. Dowell, Sand Springs, and one-twentieth to Otho L. Shoymaker, Tulsa, Okla. Glass cutting machine. 2,233,847; Mar. 4.
Phillips, Bruce A., Chicago, Ill. Steam generator. 2,233,553; Mar. 4.
Phillips, Maxwell A. (See Eibel, L. T., Polley, and Phillips.)
Photoswitch Incorporated. (See Metcalf, Arthur G. B., assignor.)
Pines, Charles A., Upper Darby, Pa. Supporting and lid operating means for refuse receptacles. 2,233,700; Mar. 4.
Pinkul, Alfred E., Milford, assignor to Draper Corporation, Hopedale, Mass. Filling feeler repair part. 2,234,085; Mar. 4.
Piper, John, assignor of one-fourth to A. Cohen and one-fourth to M. Cohen, Uniontown, Pa. Safety coupling. 2,233,988; Mar. 4.
Pitt, Frederick D., and R. T. Jones, Kansas City, Mo., assignors by mesne assignments to Wilson-Jones Company, Chicago, Ill. Multiple unit loose-leaf book. 2,233,898; Mar. 4.
Pittsburgh Plate Glass Company. (See Fix, Earl L., assignor.)
Pittsburgh Plate Glass Company. (See Fix, John H., assignor.)
Pittsburgh Plate Glass Company. (See Hayx, F. H., and Lytle, assignors.)
Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
Pittsburgh Plate Glass Company. (See Miller, R. A., and Lytle, assignors.)
Pizzarelli, Victor, Bronx, N. Y. Combined toy and confection holder. 2,233,640; Mar. 4.
Plansoen, Louis M., Upper Montclair, N. J. The Purification of solvent mixtures. 2,233,959; Mar. 4.
Pletcher, Delmer L., Bakersfield, Calif. Cannula holder for hypodermic syringes. 2,233,554; Mar. 4.
Polk, Robert E., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Audiphone. 2,233,848; Mar. 4.
Polley, Edward H. (See Eibel, L. T., Polley, and Phillips.)
Pontuck, Joseph, and S. Finkelstein, Brooklyn, N. Y. Roller screen and attachment for windows. 2,234,060; Mar. 4.
Pooler, Francis E., et al. (See Hall, Jonas H., assignor.)
Porter, Clarence M. (See Porter, William H., and C. M.)
Porter, William H., Northport, N. Y., and C. M. Porter, Lakeside Point Clair, Quebec, Canada. Safety cap for knitting needle point. 2,234,061; Mar. 4.
Portnow, Michael P., Newark, N. J. Headlight. 2,233,480; Mar. 4.
Potter, John K., Chico, Calif. Cleaning pad. 2,233,746; Mar. 4.
Potter, Lawrence, Rosedale, N. Y. Adjustable chair. 2,233,797; Mar. 4.
Powell, John N., Princeton, Ill. Box construction. 2,233,488; Mar. 4.
Power Research Corporation. (See Bowers, Thomas A., assignor.)
Preston, John. (See Olson, H. F., and Preston.)
Price, Harold W., assignor to Bendix Products Corporation, South Bend, Ind. Pressure producing device. 2,234,008; Mar. 4.
Procter & Gamble Company, The. (See Mills, Victor, assignor.)

Proctor, Ralph R., Glendale, assignor to California Talc Company, Los Angeles, Calif. Solidifying underground structures. 2,233,872; Mar. 4.
Pryor, Benjamin F., River Rouge, Mich., assignor to The Devilbiss Company, Toledo, Ohio. Hair curler. 2,233,712; Mar. 4.
Pudge, Elmer E. (See Todd, B. H., Johnson, and Pudge.)
Pullclean Manufacturing Corporation. (See Wilkinson, Joseph, assignor.)
Purdue Research Foundation. (See Hass, Henry B., assignor.)
Purdue Research Foundation. (See Hass, H. B., and Vanderbilt, assignors.)
Purdue Research Foundation. (See Susie, A. G., and Hass, assignors.)
Purdue Research Foundation. (See Vanderhilt, Byron M., assignor.)
Quaedvlieg, Mathias. (See Brodersen, K., and Quaedvlieg.)
Quaker Oats Company, The. (See Greeley, Joseph M., assignor.)
Radio Corporation of America. (See Anderson, Earl L., assignor.)
Radio Corporation of America. (See Ayer, Raymond B., assignor.)
Radio Corporation of America. (See Bedford, A. V., and Cone, assignors.)
Radio Corporation of America. (See Bouman, J. A. J., and Clark, assignors.)
Radio Corporation of America. (See Burnside, Don G., assignor.)
Radio Corporation of America. (See Cockerell, Christopher S., assignor.)
Radio Corporation of America. (See Collins, Milford E., assignor.)
Radio Corporation of America. (See Conrad, Edward C., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See De Boer, J. H., Bruining, and Scheerman, assignors.)
Radio Corporation of America. (See Foster, Dudley E., assignor.)
Radio Corporation of America. (See Foster, Dudley E., assignor.)
Radio Corporation of America. (See Foster, D. E., and Harden, assignors.)
Radio Corporation of America. (See Harvey, Robert L., assignor.)
Radio Corporation of America. (See Kimball, Charles N., assignor.)
Radio Corporation of America. (See Kimmich, W., and Schnoor, assignors.)
Radio Corporation of America. (See Law, Russell R., assignor.)
Radio Corporation of America. (See Lowin, Gerhard, assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Olson, H. F., and Preston, assignors.)
Radio Corporation of America. (See Pensak, Louis, assignor.)
Radio Corporation of America. (See Rust, Noël M., assignor.)
Radio Corporation of America. (See Seeley, Stuart W., assignor.)
Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)
Radio Corporation of America. (See Shomp, F. F., and Caulton, assignors.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Zimmerman, Arthur G., assignor.)
Radley, Guy R., assignor, by direct and mesne assignments, of one-half to F. A. Gauger, and E. A. Jones, Milwaukee, Wis. Heating system. 2,233,849; Mar. 4.
Ramer, Rex J., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Stump puller. 2,233,821; Mar. 4.
Ramsey Accessories Manufacturing Corporation, et al. (See Marien, Charles A., assignor.)
Ramsey, Elmer R., Larchmont, assignor to The Dorr Company, Inc., New York, N. Y. Pulp treatment. 2,233,641; Mar. 4.
Rapley, Harold H., Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Accurately spacing articles on conveyers. 2,233,850; Mar. 4.
Ratcliffe, Robert E., Dallas, Tex. Curtain and shade support. 2,233,430; Mar. 4.
Rauh, Cornelius A., assignor, by mesne assignments, to The General Tire & Rubber Company, Akron, Ohio. Container closure. 2,234,084; Mar. 4.
Raytheon Manufacturing Company. (See Klemperer, Hans, assignor.)
Rea, Thomas, Detroit, Mich. Ruler. 2,233,715; Mar. 4.
Rebner, Edgar F. (See Clark, Margaret, assignor.)
Reed, Claude D., and R. L. Riley, Lebanon, Pa., assignors to Bethlehem Steel Company. Assembling rack. 2,233,899; Mar. 4.
Reed, Cortes F., Anoka, assignor to C. L. Horn, Minneapolis, Minn. Softening and finishing of textile materials and compositions therefor. 2,233,676; Mar. 4.
Reeve, John E. (See Anderson, R. A., and Reeve.)
Reibold, Melvin L., Beaver Dam, assignor to The Shaler Company, Waupun, Wis. Fuel containing platen for repair vulcanizers. 2,233,851; Mar. 4.
Reichhold Chemicals, Inc. (See Hovey, A. G., and Hodgins, assignors.)
Reifsnyder, James D., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Receptacle closure. 2,233,489; Mar. 4.
Reisinger, Hugo, Trenton, N. J., assignor to Frank B. Killian & Co., Akron, Ohio. Apparatus for making thin dipped rubber articles. 2,233,555; Mar. 4.
Republic Steel Corporation. (See Archer, Robert S., assignor.)
Rhodes, Ed, Midvale, Utah. Fuse cutter. 2,233,713; Mar. 4.
Richardson, Lawrence, Melrose, Mass. Crosshead shoe or the like. 2,233,457; Mar. 4.
Riedl, Alois, Dresden, assignor to the firm Henschel Flugzeug-Werke Aktiengesellschaft, Schonefeld, Kreis Teltow, Germany. Helicopter. 2,233,747; Mar. 4.
Rieger, Wilhelm, Kassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y. Making return bends. 2,233,556; Mar. 4.
Riley, Glenn L., New Orleans, La. Internal combustion engine. 2,234,085; Mar. 4.
Riley, Robert L. (See Reed, C. D., and Riley.)
Rintelman, William L. (See Wuertz, A. J., and Rintelman.)
Risser, Arthur I., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Container feeding device. 2,233,960; Mar. 4.
Roberts, Charles W., New York, N. Y. Scent diffuser for costume jewelry, hair combs, and like articles. 2,234,062; Mar. 4.
Robertson, Donald D., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control circuits. 2,233,487; Mar. 4.
Robins, Erford E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Brake controlling means for hoists. 2,233,798; Mar. 4.
Robinson, James, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,234,009; Mar. 4.
Robinson, Joseph, New York, N. Y. Electrical vaporizer. 2,233,431; Mar. 4.
Rockwell, Ronald J., assignor to The Crosley Corporation, Cincinnati, Ohio. Amplifying system and process. 2,233,961; Mar. 4.
Rogers, Maurice A. T., and W. A. Sexton, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Azo dyestuff intermediates. 2,233,873; Mar. 4.
Rolle, John B., Chicago, Ill. Producing concentrated infusions from medicinal plants. 2,234,063; Mar. 4.
Root, Arthur J., Quapaw, Okla. Air and gas mixer. 2,233,677; Mar. 4.
Rosebraugh, Walter, Milwaukie, Oreg. Folio lyre. 2,234,086; Mar. 4.
Rosenbloom, Philip. (See Begin, L., and Rosenbloom.)
Rosengarth, Friedrich, Cologne-on-the-Rhine, and F. Hager, Bergisch Gladbach, Germany, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus and method for production of fibers from glass, slag, and the like meltable materials. 2,234,087; Mar. 4.
Rosenthal, Nathan, Ladue, assignor to Rosenthal Paper Company, St. Louis, Mo. Folding box. 2,233,874; Mar. 4.
Rosenthal Paper Company. (See Rosenthal, Nathan, assignor.)
Ross, Charles, Los Angeles, Calif. Automatic dispenser and lock release mechanism for games. 2,233,714; Mar. 4.
Ross Gear & Tool Company. (See Creson, William K., assignor.)
Rossi, Jack D., Lower Lake, Calif. Spreader for pulverized materials. 2,233,678; Mar. 4.
Rover, Alexander H., West New York, N. J. Faucet handle. 2,233,962; Mar. 4.
Rowan, Edmund J. (See Campbell, Gere L., assignor.)
Rowe, Fred H., Gloucester, assignor of one-fourth to G. W. Hooper, Salem, Mass. Electrical switch. 2,233,900; Mar. 4.
Rüsch, Gustav O. K. (See Christiansen, C., and Rüsch.)
Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,234,088; Mar. 4.
Russell, Arthur G. (See Knowland, T. M., and Russell.)
Russell, W. C., Moccasin Co., The. (See Gustin, Merritt G., assignor.)
Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. High frequency coil. 2,233,748; Mar. 4.
S. & S. Corrugated Paper Machinery Co. (See Shields, Albert F., assignor.)
S. & S. Corrugated Paper Machinery Co. (See Ungar, Gustave A., assignor.)
Saco-Lowell Shops. (See Northway, Ralph E., assignor.)
Saco-Lowell Shops. (See Shaw, Benjamin C., assignor.)

Safety Car Heating and Lighting Co. (See Creveling, John L., assignee.)

Wagner, Walter T., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,233,089; Mar. 4.

Salomon, Irving, Michigan City, Ind. Chair. 2,233,740; Mar. 4.

Sandberg, Ray A., Waukegan, Ill., assignor to Hondaille-Hershey Corporation, Detroit, Mich. Automobile locking structure. 2,234,010; Mar. 4.

Sanders, Elmer N., Ellwood City, Pa., assignor to National Tube Company. Packaged tube. 2,234,089; Mar. 4.

Sanders, John C., assignor by mesne assignments to Boeing Aircraft Company, Seattle, Wash. Lateral aircraft gun mount. 2,233,642; Mar. 4.

Satosky, Helen, administratrix. (See Wahlforss, E. and Satosky.)

Satosky, John A. (See Wahlforss, E. and Satosky.)

Scarchetti, John, Union City, N. J. System of adaptable elements for temporary or permanent structural framing. 2,233,901; Mar. 4.

Scheerman, Leonardus T. (See de Boer, J. H., Bruining, and Scheerman.)

Schelbell, Gordon B., et al. (See Ostromislensky, Iwan I., assignor.)

Schelbell, W. O., administrator. (See Ostromislensky, Iwan I., assignor.)

Schlumberger Well Surveying Corporation. (See Leonardon, Eugene Gilbert, assignor.)

Schmidt, John H., and R. T. Casselman, Bloomfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y. Laminated board and making same. 2,233,875; Mar. 4.

Schmied, Joseph M., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Split oil seal. 2,233,902; Mar. 4.

Schmitt, John A., assignor to The Universal Milking Machine Company, Waukesha, Wis. Cleaner for dairy equipment. 2,233,852; Mar. 4.

Schnoor, Herman. (See Klumpp, W., and Schnoor.)

Schoenfeld, Frank H., Cleveland Heights, Ohio. Thermostat valve mechanism. 2,233,679; Mar. 4.

Schramm, Frederick C., New Orleans, La., assignor of sixty-six two-hundred-and-fifty seconds to Koch Co., Inc., thirty-one two-hundred-and-fifty seconds to A. J. Marciante, thirty-one two-hundred-and-fifty seconds to P. Ciaccio, thirty-one two-hundred-and-fifty seconds to V. Manale, thirty-one two-hundred-and-fifty seconds to D. Ciaccio, thirty-one two-hundred-and-fifty seconds to J. C. Hare and thirty-one two-hundred-and-fifty seconds to P. J. Ciaccio. Separating apparatus. 2,233,432; Mar. 4.

Schübbe, Willy, assignor to Auerbach & Schelb, Saalfeld-on-the-Saale, Germany. Drilling machine. 2,233,822; Mar. 4.

Schulström, Tage, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigerator. 2,233,750; Mar. 4.

Schunk, Joseph, assignor to The National Lock Washer Company, Newark, N. J. Window construction. 2,233,843; Mar. 4.

Schwarz, Karl. (See Wohlrab, H., and Schwarz.)

Schweig, Julius A., St. Louis, Mo. Lock and switch mechanism for elevator shaft doors. 2,233,853; Mar. 4.

Schweizerische Gesellschaft der Kalophone Insel ute. (See Azzaretti, Emilio, assignor.)

Sealed Power Corporation. (See Ballard, John H., assignor.)

Sears, Roebuck and Co. (See Blu Marshal A., assignor.)

Seeley, Stuart W., Bayside, Long Island, N. Y., assignor to Radio Corporation of America, New York, N. Y. Frequency variation indicator circuit. 2,234,751; Mar. 4.

Segre, Massimo, New York, N. Y. Clamping device. 2,233,458; Mar. 4.

Seidel, Bruno W., Chicago, Ill., assignor to U. S. Sanitary Specialties Corporation. Lather dispensing valve. 2,233,716; Mar. 4.

Seidenfaden, Wilhelm. (See Zilcher, A., Seidenfaden, and Becker.)

Selfer, Judah I., and M. E. Selfer, New York, N. Y. Attachable handle and carton therefor. 2,233,799; Mar. 4.

Selfer, Morton E. (See Selfer, Judah I., and M. E.)

Selmi, Luciano G., Detroit, and C. L. Altenburger, Dearborn, assignors to Great Lakes Steel Corporation, Ecorse, Mich. Alloy steel. 2,234,130; Mar. 4.

Servel, Inc. (See Schulström, Tage, assignor.)

Service Caster and Truck Company. (See Zefindler, Werner, assignor.)

Servrite Mfg. Co. (See Wilson, Frank C., assignor.)

Sessions, Donnld W., Mill Hall, Lenton, England. Plant pumping and controlling means. 2,234,090; Mar. 4.

Sexton, Wilfred A. (See Rogers, M. A. T., and Sexton.)

Shafer, Albert G. (See Teaf, J. H., and Shafer.)

Shager, Julian U., Tacoma, Wash. Packing for shafts. 2,233,557; Mar. 4.

Shakespeare Company. (See Guptall, Clarence H., assignor.)

Shisler Company, The. (See Reibold, Melvin L., assignor.)

Sharples, Edwin H., Coventry, assignor to Courtaulds, Limited, London, England. Treatment of textile materials. 2,234,091; Mar. 4.

Shaw, Benjamin C., Saco, Maine, assignor to Saco Lowell Shops, Boston, Mass. Drawing mechanism for textile fibers. 2,233,963; Mar. 4.

Shaw, Joseph L., Dunlap, assignor to Buescher Band Instrument Company, Elkhart, Ind. Hinge rod pivot. 2,234,092; Mar. 4.

Shaw, Victor S., Cardington, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del. Extrusion chamber for plastic extrusion presses. 2,233,558; Mar. 4.

Shellmar Products Company. (See Gurwick, Irving, assignor.)

Shepard, Francis H., Jr., Merchantville, N. J., assignor to Radio Corporation of America. Photoelectric relay. 2,234,011; Mar. 4.

Sherka Chemical Co. Inc. (See Korpium, Joachim, assignor.)

Shields, Albert F., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Automatic adjuster. 2,233,490; Mar. 4.

Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Display cabinet. 2,233,550; Mar. 4.

Shoemaker, Bernard H. (See Loane, C. M., and Shoemaker.)

Shoemaker, Louis A., Carleton, Mich. Chick feeder. 2,234,131; Mar. 4.

Shogran, Ivar L., Los Angeles, assignor to Douglas Aircraft Company, Incorporated, Santa Monica, Calif. Valve mechanism. 2,233,717; Mar. 4.

Shoup, Frederic F., Oaklyn, N. J., and C. O. Caulton, Philadelphia, Pa., assignors to Radio Corporation of America. Acoustic apparatus for motor driven vehicles. 2,233,459; Mar. 4.

Shuford, Gales W. (See Huffman, R. O., Shuford and Childers.)

Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber and products obtained thereby. 2,233,680; Mar. 4.

Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Mellin, Erwin, assignor.)

Siemens & Halske, Aktiengesellshaft. (See Kaeser, Friedrich, assignor.)

Signal Engineering & Manufacturing Company. (See Humphreys, F. F., and Terjesen, assignors.)

Signola, Victor J., Brooklyn, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Ruffling attachment for sewing machines. 2,233,752; Mar. 4.

Siken Verein Chemischer Fabriken. (See Sarten, Georg, assignor.)

Silver, Charles W., assignor to Buescher Band Instrument Company, Elkhart, Ind. Key shaft mounting for musical instruments. 2,234,093; Mar. 4.

Simmons, Fleeting B., Ventura, Calif. Baseball and similar game. 2,233,645; Mar. 4.

Simpson, Harry G., assignor of one-fourth to V. C. Hickson, Los Angeles, and one-fourth to R. I. Blakeslee, Pasadena, Calif. Electric range and heater. 2,234,132; Mar. 4.

Simpson, Melvin M., Denver, Colo. Weeder. 2,233,491; Mar. 4.

Sinclair Refining Company. (See Teter, J. W., and Watkins, assignors.)

Sjöström, R. L. (See Smiley, Gilbert, assignor.)

Skolnick, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrosurgical system. 2,233,576; Mar. 4.

Skoog, Carl E., Warwick, R. I., assignor to J. C. Hall Company. Binder for books. 2,233,560; Mar. 4.

Slaymaker, Beulah M., et al. (See Philippe, George A., assignor.)

Slaymaker, Otho L., et al. (See Philippe, George A., assignor.)

Smiley, Gilbert, Hingham, assignor to R. L. Sjöström, Lawrence, Mass. Weft straightening device. 2,233,644; Mar. 4.

Smith, A. O., Corporation. (See Larson, Louis J., assignor.)

Smith, Dallas M., Kirkwood, assignor to McQuay Norris Manufacturing Company, St. Louis, Mo. Piston expander. 2,234,148; Mar. 4.

Smith, Frank R., and H. W. Moll, assignors to The Dow Chemical Company, Midland, Mich. Cyclohexylated diphenylbenzenes. 2,233,964; Mar. 4.

Smith, Graydon, Cambridge, Mass., assignor, by mesne assignments, to The Atwood Machine Company, Stonington, Conn. Textile twisting unit. 2,233,645; Mar. 4.

Smith, Harry V., Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Glass wool. 2,234,033; Mar. 4.

Smith, Henry J., assignor of fifteen per cent to E. Burke Willard and ten per cent to G. French, Philadelphia, Pa. Brake. 2,233,877; Mar. 4.

Smith, James C., Watertown, N. Y., assignor to A. B. Chance Company, Centralia, Mo. Street lamp puller. 2,234,026; Mar. 4.

Smith, Lloyd A. (See Brooker, L. G. S., and Smith.)

Smith, Uel L., Morris Plains, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Interconnectible portable indicating instruments. 2,233,646; Mar. 4.

Smith, William A., Hamburg, N. Y. Lubricant. 2,233,683; Mar. 4.

Smith, William F., Knoxville, Tenn. Ceramic support. 2,233,434; Mar. 4.

Snow, Henry, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Glass stock for electric melting. 2,233,435; Mar. 4.

Snyder, Frederick D., East Milton, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Preset speed operation of motors. 2,233,647; Mar. 4.

Snyder, Gilbert J., assignor to Mastic Asphalt Corporation, South Bend, Ind. Smoothing the edges of coated boards. 2,233,854; Mar. 4.

Snyder, Richard L., Glassboro, N. J., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Electron multiplier. 2,233,878; Mar. 4.

Societe Generale des Carburateurs Zenith. (See Gistucci, Paul X. A., assignor.)

Société a Responsabilité limitée dite: La Chronostereoscopie. (See Carré, Suzanne, née Berment, assignor.)

Societe de Produits Chimiques des Terres Rares. (See Frasch, Jean, assignor.)

Soreng, Edgar M., assignor to Soreng-Manegold Company, Chicago, Ill. Separable electrical connection. 2,233,718; Mar. 4.

Soreng-Manegold Company. (See Soreng, Edgar M., assignor.)

Sorensen, Maximillian H. (See Janney, W. T., and Sorensen.)

Sorkin, Morris, assignor to Interchemical Corporation, New York, N. Y. Manufacture of printing plates. 2,234,133; Mar. 4.

Sounitza, Wladimir B., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Crown block construction. 2,233,648; Mar. 4.

Sperry Gyroscope Company. (See Hull, Harvard L., assignor.)

Sperry, Seth C., Saugus, Mass. Garment form. 2,233,492; Mar. 4.

Spialne, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,234,027; Mar. 4.

Sprinkle, Lester E., Milledgeville, Ill. Idling device for electric generating plants. 2,234,094; Mar. 4.

Squier, George A., Cleveland Heights, Ohio. Optical lens mounting clamp. 2,234,012; Mar. 4.

Stahl, Elmer R., Meyersdale, Pa., assignor to Celanese Corporation of America. Ring assembly. 2,233,460; Mar. 4.

Stahl, Leslie W., Houston, Tex., and G. W. Walton, Beverly Hills, assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Valve. 2,233,649; Mar. 4.

Standard Oil Company. (See Loane, C. M., and Shoemaker, assignors.)

Standard Oil Development Company. (See McNab, John G., assignor.)

Stanfield, William W., Largo, Fla. Compass. 2,233,990; Mar. 4.

Stanley, Richard. (See Lowry, Lloyd R., Sr., assignor.)

Stanolind Oil & Gas Company. (See Dunn, Thomas H., assignor.)

Statler, Walter H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Braking system. 2,233,903; Mar. 4.

Stator Corporation. (See Whitney, Lyman F., assignor.)

Stedman, Claude W. (See Burke, B. S., McCandless, Holden, and Stedman.)

Stehling, Joseph J., Milwaukee, Wis. Leather wringing machine. 2,233,495; Mar. 4.

Steiner, Waldo L., Ponca City, Okla., assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant. 2,233,436; Mar. 4.

Stelzer, Franz H. B., assignor to "Universelle" Cigarettenmaschinen Fabrik J. C. Mueller & Co., Dresden, Germany. Manufacture of cigars. 2,233,493; Mar. 4.

Stelzer, Franz H. B., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller & Co., Dresden, Germany. Tobacco guide device for cigar making machines. 2,233,494; Mar. 4.

Stern, Joseph, assignor to Sweeper Products Co., Newark, N. J. Carpet sweeper. 2,233,754; Mar. 4.

Stewart, George F., Scotia, N. Y. Hose handling and storage apparatus. 2,234,149; Mar. 4.

Stilmar, Frederic B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,233,496; Mar. 4.

Stimson, Allen G., Schenectady, N. Y., assignor to General Electric Company. Magnetically operated device. 2,233,925; Mar. 4.

Stimson, Allen G., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,233,926; Mar. 4.

Stocker, William M., Hollis, assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting and winding machine. 2,233,755; Mar. 4.

Stone, J., & Company. (See James, David E., assignor.)

Stout, Gurn, Los Angeles, Calif. Toy airplane. 2,234,095; Mar. 4.

Stover, Russell, Kansas City, Mo. Frozen confection, container therefor, and method of removing contents. 2,234,013; Mar. 4.

Strite, Lloyd C., Chicago, Ill. Fish lure. 2,233,684; Mar. 4.

Strovink, Florian, Medford, assignor to Bennett Incorporated, Cambridge, Mass. Delivering and diluting aqueous dispersions of wax, rosin, and the like. 2,233,965; Mar. 4.

Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)

Style Duplicator Corporation. (See Mestre, Luis, assignor.)

Superheater Company, The. (See Rieger, Wilhelm, assignor.)

Superior Felt & Bedding Co. (See Dubick, Michael, assignor.)

Susie, Alfred G., Boston, Mass., and H. B. Hass, West Lafayette, assignors to Purdue Research Foundation, Lafayette, Ind. Reduction of arylnitroalkenes. 2,233,823; Mar. 4.

Süss, Heinrich, Berlin-Tegel, assignor, by mesne assignments, to Maschinen-und Metallwaren-Handelsgesellschaft m. b. H., Berlin, Germany. Separating device. 2,233,855; Mar. 4.

Swanson, Nils H., Chicago, Ill. Pencil sharpener. 2,233,681; Mar. 4.

Swartz, Frank C., Youngstown, Ohio. Furnace doorframe. 2,233,650; Mar. 4.

Sweeper Products Co. (See Stern, Joseph, assignor.)

Sweet, Frederick D. (See Foster, W. D., and Sweet.)

Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)

Symington-Gould Corporation, The. (See Blattner, Emil H., assignor.)

Syntron Company. (See Gilbert, Walter, Sr., assignor.)

Talbott, Arnold M. (See Ticknor, B. H., II, and Talbott.)

Tannewitz, Carl E., Grand Rapids, Mich. Band saw wheel and tire therefor. 2,233,562; Mar. 4.

Tappe, Frank G., Snaroen, near Oslo, Norway. Sideways adjustable shoe fastening means for sporting appliances as skis, skates, or the like. 2,233,856; Mar. 4.

Taylor, Edward S., Cambridge, Mass., assignor to Wright Aeronautical Corporation. Resilient torque meter. 2,233,498; Mar. 4.

Teaf, John H., Westmont, N. J., and A. G. Shafer, Drexel Hill, Pa., assignors, by mesne assignments, to Condenser Development Corporation, Newark, N. J. Combined tuning instrument and mechanical setting therefor. 2,233,651; Mar. 4.

Technicolor Motion Picture Corporation. (See Darby, John R., assignor.)

Technicolor Motion Picture Corporation. (See Whittaker, Lloyed E., assignor.)

Teigen, Austin F., Georgetown, Minn. Envelope opener. 2,233,497; Mar. 4.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)

Teletype Corporation. (See Krum, Howard L., assignor.)

Terjesen, Tellef A. (See Humphreys, F. F., and Terjesen.)

Teter, John W., and F. M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Lubricating oil. 2,234,096; Mar. 4.

Thomas, Henry P., Schenectady, N. Y., assignor to General Electric Company. Electron discharge amplifier. 2,233,927; Mar. 4.

Thomas, Laurence H. (See Kuhn, F., and Thomas.)

Thornton Canning Co. (See Hollenbeck, Dale G., assignor.)

Ticknor, Benjamin H., II, Englewood, N. J., and A. M. Talbott, Rye, assignors to Commercial Molasses Corporation, New York, N. Y. Hopper and feeding device. 2,233,652; Mar. 4.

Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Attaching knobs, handles, and the like. 2,234,097; Mar. 4.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Titanium Alloy Manufacturing Company, The. (See Commons, Charles H., Jr., assignor.)

Todd, Bruce H., and J. F. Johnson, Denver, and E. E. Pudge, Colorado Springs, Colo. Internal combustion engine. 2,233,499; Mar. 4.

Todd, Russell T. (See Miller, R. J., and Todd.)

Todhunter, William J., Newcastle, New South Wales, Australia. Straightening machine. 2,233,737; Mar. 4.

Tolman, Edward M., New York, N. Y. Photometric method and apparatus. 2,233,879; Mar. 4.

Tominaga, Masaichi, Kamata-ku, Tokyo, Japan. Sound arrester at the opening of sound-arresting room. 2,233,966; Mar. 4.

Topjian, Daniel, Watertown, Mass. Powder puff. 2,233,686; Mar. 4.

Trammell, Earl M., Jr. (See Trammell, Earl M., Sr., and E. M., Jr.)

Trammell, Earl M., Sr., and E. M., Jr., St. Louis, Mo., assignors of twenty five one-hundredths to I. J. McGuire, Dolgeville, N. Y. Internal combustion engine. 2,233,857; Mar. 4.

Tratsch, Walter A., Chicago, Ill. Coin slide. 2,233,653; Mar. 4.

Tratsch, Walter A. and W. Patzer, Chicago, Ill. Coin chute. 2,233,654; Mar. 4.

Tratsch, Walter A. and W. Patzer, Chicago, Ill. Coin control. 2,233,655; Mar. 4.

Tree, Charles, Racine, Wis. Collet index fixture. 2,233,858; Mar. 4.

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trinkle, Dallas E. (See Buster, S. D., Jr., and Trinkle.)

Trottier, J. R. (See Wallace, David J., assignor.)

Troya, Henry, Glendale, Calif. Nail file construction. 2,234,078; Mar. 4.

Turzitzky, Francis, assignor to Illinois Malleable Iron Co., Chicago, Ill. Clamp. 2,234,028; Mar. 4.

Tyler, Albert E. (See Ayers, Arnold L., assignor.)

U. S. L. Battery Corporation. (See Bliss, William L., assignor.)

Uhl, Otto, Jr., Flushing, N. Y. Timing device. 2,233,756; Mar. 4.

Ulano, Joseph, and H. Friedman, Brooklyn, assignors to Nu-Film Products Company, Inc., New York, N. Y. Surface ornamentation. 2,234,064; Mar. 4.

Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)

Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)

Underwood Elliott Fisher Company. (See Miller, Richard O., assignor.)

Underwood Elliott Fisher Company. (See Sagner, Walter F., assignor.)

Ungar, Gustave A., Pelham Manor, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Key mechanism. 2,233,461; Mar. 4.

Union Carbide and Carbon Corporation. (See Schmidt, J. H., and Casselman, assignors.)

Union Switch & Signal Company. (See Allen, Earl M., assignor.)

United Aircraft Corporation. (See Barnes, Gilbert C., assignor.)

United Engineering and Foundry Company. (See Herbert, Clarence G., assignor.)

United Shoe Machinery Corporation. (See Curtis, Fount E., assignor.)

United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)

United Shoe Machinery Corporation. (See Hopkins, N. F., and Bertrand, assignors.)

United Shoe Machinery Corporation. (See McIntire, James E., assignor.)

U. S. Bottlers Machinery Co. (See Risner, Arthur I.)

United States Cabinet Bed Co. (See Martin, Joseph, assignor.)

U. S. Electrical Motors, Inc. (See Mason, Frank M., assignor.)

United States Gypsum Company. (See Abemeier, Carl, assignor.)

U. S. Phosphoric Products Corporation. (See Moore, George F., assignor.)

United States Rubber Company. (See Dewey, Charles S., assignor.)

United States Rubber Company. (See Patrick, Ross, assignor.)

U. S. Sanitary Specialties Corporation. (See Seidel, Bruno W., assignor.)

United States, The public of the. (See Baker, G. L., and Goodwin, assignors.)

Universal Milking Machine Company, The. (See Schmitt, John A., assignor.)

Universelle Cigarettenmaschinen Fabrik J. C. Mueller & Co. (See Steiger, Franz H. B., assignor.)

Unselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetic switch. 2,233,757; Mar. 4.

Utility Packages, Incorporated. (See Henry, M. Frances, assignor.)

Vacu Products, Inc. (See Velo, Anthony C., assignor.)

Vale, Baldwin, San Francisco, Calif. Book hanger. 2,233,687; Mar. 4.

Van Brunt, George H. (See Varney, J. H., and Van Brunt.)

Vanderbilt, Byron M. (See Haas, H. B., and Vanderbilt.)

Vanderbilt, Byron M., Cranford, N. J., assignor to Purdue Research Foundation, La Fayette, Ind. Lactate of a nitro alcohol. 2,233,856; Mar. 4.

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Producing metal shelf support channels. 2,233,719; Mar. 4.

Van Domelen, Leonard and R., Banks, Oreg. Grain separator. 2,233,824; Mar. 4.

Van Domelen, Raymond. (See Van Domelen, Leonard and R.)

Van Doser, Clarence H., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Photoflash synchronizer for cameras. 2,234,150; Mar. 4.

Van Norman Machine Tool Company. (See Ott, Robert W., assignor.)

Varney, Justin A., West Los Angeles, and G. H. Van Brunt, Los Angeles, Calif. Margin indicator for typewriters. 2,233,758; Mar. 4.

Velo, Anthony C., New York, N. Y., assignor to Vaco Products, Inc., Power transmission mechanism. 2,233,720; Mar. 4.

Vertriebsgesellschaft des Leipziger Leichtmetallwerk, m. b. H. (See Hagedorn, G., Luxer and Wahl, assignors.)

Vickers Incorporated. (See Robinson, James, assignor.)

Victor Manufacturing & Gasket Company. (See Schmied, Joseph M., assignor.)

Vincent, Merlin S., Newton, Iowa. Washing machine cabinet. 2,234,014; Mar. 4.

Vincent, Peter J., et al. (See Hall, Jonas H., assignor.)

Vinard, William C., assignor to Barbour Welding Company, Brockton, Mass. Making welting. 2,233,563; Mar. 4.

Voet, Clarence W., New York, N. Y., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Collapsible container. 2,234,065; Mar. 4.

Vulcan Manufacturing Co. (See Nilson, Leonard D., assignor.)

Wagner, William G., Hollywood, Calif. Bottle cap. 2,233,904; Mar. 4.

Wahl, Ernst Günther. (See Hagedorn, G., Luxer and Wahl, assignors.)

Wahlforss, Erle Agelay, Finland, and J. A. Satosky, deceased, by H. Satosky, administratrix, assignors to The Glidden Company, Cleveland, Ohio. Manufacture of isolated vegetable protein. 2,233,459; Mar. 4.

Waldenslan Hosiery Mills, Inc. (See Grill, Benjamin, assignor.)

Walker, William K., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Electrical control system. 2,234,030; Mar. 4.

Wallace, David J., Los Angeles, assignor, by mesne assignments, to J. R. Trottier, Los Angeles County, Calif. Scraping implement. 2,233,657; Mar. 4.

Walsh, Bruce R., Wilkinsburg, and E. Morl, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Pump. 2,233,825; Mar. 4.

Walters, Thomas A., assignor to American Blower Corporation, Detroit, Mich. Vortex eliminator in air handling apparatus. 2,233,991; Mar. 4.

Walton, George W. (See Stahl, L. W., and Walton.)

Ward, Charles W., Los Angeles, Calif. Dispensing device. 2,233,721; Mar. 4.

Washburn Company, The. (See Glenny, Clarence S., assignor.)

Watkins, Franklin M. (See Teter, J. W., and Watkins; Waugh, William A. (See King, C. G., and Waugh.)

Weaver, Calna E., Schenectady, N. Y., assignor to General Electric Company. Wire shaving process and fixture. 2,233,928; Mar. 4.

Webster Electric Company. (See Osborne, Herbert C., assignor.)

Webster, Samuel W., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Oilflight chain guard. 2,233,654; Mar. 4.

Weems, Philip V. H., United States Navy, Annapolis, Md. Chart and construction thereof. 2,233,440; Mar. 4.

Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Material handling apparatus. 2,233,929; Mar. 4.

Weidenmuller, Edward A., Chicago, Ill. Die roll. 2,234,688; Mar. 4.

Weiskopf, Bruno, Leipzig, Germany. Apparatus for the production of dentures and making such apparatus. 2,234,722; Mar. 4.

Welborne, Virgil J., Eagle Rock, Calif. Adjustable rake or cultivator. 2,233,682; Mar. 4.

Wellekens, John F., New York, N. Y. Cup delivering mechanism. 2,233,462; Mar. 4.

Wells, Mansel S., Shinglehouse, Pa. Can crusher and baler. 2,234,098; Mar. 4.

Wellton, Otto G., Rasunda, Sweden. Continuously variable change speed gear. 2,233,967; Mar. 4.

Wenning, Heinrich, and H. Kralkalla, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Water-soluble dyestuffs. 2,234,031; Mar. 4.

Werrmann, Hellmut, Berlin-Charlottenburg, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Amplifier with negative feedback. 2,233,759; Mar. 4.

Werts, William, South Gate, Calif. Vise. 2,233,760; Mar. 4.

West, Elmer L., Springfield, Mo. Preserving fish and other marine life while on long trips by motor vehicle or boat. 2,233,564; Mar. 4.

West, William R., assignor to Beech Nut Packing Company, Canajoharie, N. Y. Display stand. 2,234,032; Mar. 4.

Westbrook, Leon R., Cleveland Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Electroplating zinc. 2,233,500; Mar. 4.

Western Cartridge Company. (See Bonk, Thomas I. S., assignor.)

Westfall, Harold R. and W. W., Clarksburg, W. Va. Combined sanitary curtain and shade support. 2,234,009; Mar. 4.

Westfall, Woodward W. (See Westfall, Harold R. and W. W.)

Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Burke, Burt S., assignor.)

Westinghouse Electric & Manufacturing Company. (See (Burke, B. S., assignor), McCandless, Holden, and Stedman.)

Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)

Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Günther, Franz, assignor.)

Westinghouse Electric & Manufacturing Company. (See Miner, J. D., Jr., and Else, assignors.)

Westinghouse Electric & Manufacturing Company. (See Newton, John S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Pegg, Edward H. R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Smith, Ted L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Snyder, Frederick D., assignor.)

Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)

Whelan, Augustin J., Sr., Jersey City, N. J. Buffing or cleaning tool. 2,233,565; Mar. 4.

White, Frank L. (See Brooker, L. G. S., and White.)

White, Joseph, assignor to M. K. Cassidy, Philadelphia, Pa. Washing, rinsing, and drying apparatus. 2,233,968; Mar. 4.

Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Fluid system. 2,233,800; Mar. 4.

Whittaker, Lloyed E., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Resetting apparatus. 2,233,441; Mar. 4.

Wick, Mary I., Clayton, Mo. Beauty kit. 2,233,859; Mar. 4.

Wickardt, Kurt, Oberlungwitz, Germany, assignor to Kalle, Inc., New York, N. Y. Slur cock bar for straight bar knitting machines. 2,233,801; Mar. 4.

Wico Electric Company. (See Harmon, Kenneth A., assignor.)

Wilcox, Harry L., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Braking system for induction motors. 2,233,501; Mar. 4.

Wildebush, Frank F., Minneapolis, Minn. Apparatus for developing visual fusion. 2,233,689; Mar. 4.

Wile, Julius, Sons & Co. (See Grossman, Harold J., assignor.)

Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Polymeric vinylidene chloride article. 2,233,442; Mar. 4.

Willey, A. R., and Sons Inc. (See Geer, W. E., and Willey, assignors.)

Willey, Elmer R. (See Geer, W. E., and Willey.)

Willford, E. Burke, et al. (See Smith, Henry J., assignor.)

Willhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Wet grinding attachment for valve resurfacing machines. 2,233,568; Mar. 4.

Wilkins, Harry F., et al. (See Hall, Jonas H., assignor.)

Wilkinson, Joseph, assignor to Pulliclean Manufacturing Corporation, Bridgeport, Conn. Continuous towel side release device. 2,234,067; Mar. 4.

Williams, J. B., Company, The. (See Williams, Philip K., assignor.)

Williams, John E., Boulder, Colo. Cleaning device for acetylene gas burners. 2,234,033; Mar. 4.

Williams, Philip K., assignor to The J. B. Williams Company, Glastonbury, Conn. Dispensing device. 2,234,151; Mar. 4.

Williamson, Sydney W., Jamaica, N. Y. Escapement mechanism for package dispensing machines. 2,233,690; Mar. 4.

Wilson, Frank C., assignor to Servrite Mfg. Co., Bloomington, Ill. Gas grill. 2,233,463; Mar. 4.

Wilson, John R., Forest Hills, assignor to Hanlon & Wilson Company, Wilkinsburg, Pa. Bootleg. 2,233,905; Mar. 4.

Wilson-Jones Company. (See Pitt, F. D., and Jones, assignors.)

Wilson, Virden W., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Regeneration of spent lead solution. 2,233,802; Mar. 4.

Winkel, Mabel, and C. A. Julianelli, New York, N. Y. Shoe. 2,234,066; Mar. 4.

Winkler, Albert H., and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bend, Ind. Engine starter control. 2,234,015; Mar. 4.

Winnek, Philip S., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. P-acylamino benzene sulphonyl guanidines and making them. 2,233,569; Mar. 4.

Winthrop Chemical Company. (See Andersag, H., Breitner, and Jung, assignors.)

Wirth, Emil O. (See Winkler, A. H., and Wirth.)

Wise, Raymond O., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,233,860; Mar. 4.

Wiseman, Robert J., assignor to The Okonite Company, Passaic, N. J. Conductor. 2,234,068; Mar. 4.

Wissler, William A., Niagara Falls, N. Y., assignor to Haynes Stellite Company. Alloy and cutting tool made therefrom. 2,233,443; Mar. 4.

Witt, Edward A., et al. (See Witt, Fred A., assignor.)

Witt, Fred A., assignor of sixty-six and two-thirds per cent to W. A. Witt, and thirty-three and one-third per cent to E. A. Witt, Los Angeles, Calif. Oil well cleaner. 2,233,930; Mar. 4.

Witt, William A., et al. (See Witt, Fred A., assignor.)

Wittmann, Robert A., Chicago, Ill., assignor to Chicago By-Products Corporation. Apparatus for controlling fluid flow. 2,233,659; Mar. 4.

Wohlrab, Hans, Berlin-Tempelhof, and K. Schwarz, Berlin-Lankwitz, assignors to Klangfilm G. m. b. H., Berlin, Germany. Recording of electrical impulses. 2,234,034; Mar. 4.

Wolf, Arthur, New York, N. Y. Wearing apparel. 2,234,035; Mar. 4.

Wood Brothers Thresher Company. (See Hunt, Marion J., assignor.)

Wood, Gar, Industries, Inc. (See Barrett, Edward R., assignor.)

Wood, Gar, Industries, Inc. (See Hatch, Ronald K., assignor.)

Woodhouse, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structure and producing same. 2,234,016; Mar. 4.

Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Pressed wing rib. 2,233,969; Mar. 4.

Woody, Hubert O., Jerome, Idaho. Shearing machine. 2,233,444; Mar. 4.

Woolridge, Dean E. (See Lovell, C. A., Muller, and Woolridge.)

Worme, David A. (See Cree, J., and Worme.)

Wright Aeronautical Corporation. (See Taylor, Edward S., assignor.)

Wuertz, Alexander J., Villa Monterey, Del., and W. L. Rintelman, Elmer, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the anthraquinone series. 2,233,502; Mar. 4.

Wyckoff, Ralph D., Honston, Tex., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Method of and apparatus for surveying wells. 2,233,992; Mar. 4.

Wydler, Johann J., Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Gas pumping. 2,234,100; Mar. 4.

Young, Charles A., Springfield, Ohio. Gun. 2,233,504; Mar. 4.

Zalkind, Philip, Bronx, N. Y. Container and part therefor. 2,233,906; Mar. 4.

Zeindler, Werner, assignor to Service Caster and Truck Company, Albion, Mich. Lifting truck. 2,233,503; Mar. 4.

Zimmerman, Arthur G., Indianapolis, Ind., assignor to Radio Corporation of America. Sound recording apparatus. 2,233,907; Mar. 4.

Zimniak, Edmund, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Apparatus for applying revenue duty labels or like strips to the narrow sides of packages by means of adhesive. 2,233,464; Mar. 4.

Zitscher, Artur, Kronberg in Taunus, and W. Seidenfaden, and W. Bröker, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation. Producing fast dyeings. 2,234,036; Mar. 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article, Resin bonded. S. S. Kistler and C. E. Barnes. Re. 21,736–8; Mar. 4.
Alloys, Forming. P. A. E. Armstrong. Re. 21,733; Mar. 4.
Audiometer. W. H. Huth and J. R. Cubert. Re. 21,735; Mar. 4.
Candlestick, Adjustable. E. Ager-Wick. Re. 21,732; Mar. 4.
Fluid segregator. D. Samiran. Re. 21,741; Mar. 4.
Heater for house trailers. T. M. Vullings. Re. 21,740; Mar. 4.
Mower, Tractor. C. F. Crumb and S. E. Hillblom. Re. 21,734; Mar. 4.
Space discharge apparatus. F. B. Llewellyn. Re. 21,739; Mar. 4.

LIST OF PLANT INVENTIONS

Barberry plant. B. Ruys. 460; Mar. 4.
Rose. J. D. Brownell. 458–9; Mar. 4.

LIST OF DESIGN INVENTIONS

Aerator or the like. D. Chapman. 125,633; Mar. 4.
Agitator and support for dairy appliances or analogous articles, Combined motor driven. C. B. Whiteside. 125,663; Mar. 4.
Air conditioning control. A. J. Doane and E. E. Lynch. 125,582; Mar. 4.
Badge, Decorative. M. Tucker. 125,599; Mar. 4.
Badge or similar article. E. L. Andrew. 125,581; Mar. 4.
Badge or similar article. V. F. Casaretti. 125,631; Mar. 4.
Bicycle frame and tank, Combined. H. M. Huffman, Jr. 125,586; Mar. 4.
Block, Building. F. P. Pandolfi. 125,642–3; Mar. 4.
Bottle. G. Grunberg. 125,567; Mar. 4.
Bottle. W. J. Lundy. 125,622; Mar. 4.
Bottle, Glass. L. J. Kibn. 125,637–8; Mar. 4.
Brassière or similar article. S. Katz. 125,662; Mar. 4.
Brooch or similar article. G. Verrecchio. 125,646–52; Mar. 4.
Brooch or similar article. G. Verrecchio. 125,676–80; Mar. 4.
Brooch, Perfume containing. R. Dopyera. 125,612; Mar. 4.
Cabinet or similar article, Radio. T. H. Rebajohn-Gibbings. 125,738; Mar. 4.
Cabinet, Popcorn machine. H. Van Doren and D. E. Dailey. 125,600; Mar. 4.
Candelabrum. A. Kessler. 125,571; Mar. 4.
Cape ensemble. M. Shaw. 125,740; Mar. 4.
Carpet or similar article. W. O. Dewsbury. 125,682–3; Mar. 4.
Carrier for bicycles, Luggage. H. M. Huffman, Jr. 125,585; Mar. 4.
Case, Clock. J. M. Bars. 125,557; Mar. 4.
Case or similar article, Vanity. F. Spitalny. 125,596; Mar. 4.
Case, Vanity. S. Dawer. 125,611; Mar. 4.
Casing for electric fence control unit. R. R. Smith. 125,645; Mar. 4.
Casket or analogous article. J. A. Bertelsen. 125,558; Mar. 4.
Clip, Pin. A. Philippe. 125,623–7; Mar. 4.
Clock. J. De Haes. 125,558; Mar. 4.
Clock, Electric. L. Eickemeyer. 125,563; Mar. 4.
Coat. A. Del Re. 125,699; Mar. 4.
Coat. A. Del Re. 125,701–2; Mar. 4.
Coat. A. Del Re. 125,715–7; Mar. 4.
Coat. O. Hauptman. 125,722–3; Mar. 4.
Coat. M. Shaw. 125,739; Mar. 4.
Coat. H. O. Wolk. 125,744; Mar. 4.
Coat. H. Zuckerman. 125,746–7; Mar. 4.
Container or similar article, Cosmetic. M. Comstock. 125,608; Mar. 4.
Dress. E. Alper. 125,710–3; Mar. 4.
Dress. H. Berin. 125,655; Mar. 4.
Dress. M. Birnbaum. 125,714; Mar. 4.
Dress. G. W. Cohen. 125,698; Mar. 4.
Dress. P. E. Fields. 125,686–7; Mar. 4.
Dress. P. Heiz. 125,691; Mar. 4.
Dress. P. Hess. 125,705; Mar. 4.
Dress. C. Jaccarino. 125,727; Mar. 4.
Dress. N. Jones. 125,728–9; Mar. 4.
Dress. B. Kessler. 125,706; Mar. 4.
Dress. B. Kleinman. 125,707; Mar. 4.
Dress. J. S. Lanz. 125,664; Mar. 4.
Dress. C. S. Lubow. 125,668; Mar. 4.
Dress. N. Rosenstein. 125,670–1; Mar. 4.
Dress. B. P. Travis. 125,674; Mar. 4.
Drum. A. Waxberg. 125,577; Mar. 4.
Dress ensemble. S. Etkin. 125,704; Mar. 4.
Dress ensemble. S. Franklin. 125,720; Mar. 4.
Dress ensemble. Z. Golden. 125,688; Mar. 4.
Dress ensemble. E. Hill. 125,724–5; Mar. 4.
Dress ensemble. S. King. 125,663; Mar. 4.
Dress ensemble. H. Lasoff. 125,665; Mar. 4.
Dress ensemble. A. Naubert. 125,668; Mar. 4.
Dress ensemble. S. Novak. 125,708; Mar. 4.
Dress ensemble. S. Novak. 125,730–7; Mar. 4.
Dress ensemble. F. Wilkins. 125,742–3; Mar. 4.
Fabric, Drapery. H. Josephson. 125,692; Mar. 4.
Fabric or similar article, Textile. J. Black. 125,606; Mar. 4.
Fabric or similar article, Textile. R. Faller. 125,685; Mar. 4.
Fabric or similar article, Textile. C. Haslam. 125,618–20; Mar. 4.
Fabric or similar article, Textile. F. Headon. 125,689–90; Mar. 4.
Fabric or similar article, Textile. E. G. Minton. 125,624; Mar. 4.
Fabric or similar article, Woven Cellophane and cotton. F. C. Green. 125,584; Mar. 4.
Fabric, Textile. R. Buzaini. 125,681; Mar. 4.
Fabric, Textile. I. Cummings. 125,609–10; Mar. 4.
Fabric, Textile. B. Frank. 125,719; Mar. 4.
Fabric, Textile. F. C. Green. 125,721; Mar. 4.
Fabric, Textile. H. Horn. 125,726; Mar. 4.
Fabric, Textile. G. M. Kates. 125,636; Mar. 4.
Fabric, Textile. A. W. Roth. 125,672; Mar. 4.
Fabric, Textile. A. W. Roth. 125,695; Mar. 4.
Fabric, Textile. S. Sherman. 125,741; Mar. 4.
Fabric, Textile. F. J. Smith. 125,628; Mar. 4.
Fabric, Textile. H. W. Wilde. 125,578; Mar. 4.
Fabric, Textile. H. W. Wilde. 125,604–5; Mar. 4.
Fabric, Textile. H. W. Wilde. 125,629–30; Mar. 4.
Fabric, Textile. W. D. Wright. 125,654; Mar. 4.
Fixture arm. E. J. Elting. 125,564; Mar. 4.
Foot covering. D. C. Goulding. 125,566; Mar. 4.
Gem setting. L. Granat. 125,583; Mar. 4.
Golf club handle grip. W. E. Wheeler and M. Dietz. 125,602; Mar. 4.
Grille, or similar article, Door and window. D. E. Walker. 125,576; Mar. 4.
Grille, or similar article, Door. D. E. Walker. 125,601; Mar. 4.
Gun and container therefor, Combined spray. C. Karstadt. 125,635; Mar. 4.
Hammer, Electric. H. E. McCrery. 125,591; Mar. 4.
Hammer, Flexible shaft driven. H. E. McCrery. 125,641; Mar. 4.
Handbag. S. R. Goldsmith. 125,617; Mar. 4.
Handbag frame. C. Goldstein. 125,660; Mar. 4.
Holder, Scarf. C. Silverman. 125,673; Mar. 4.
Jar. J. J. Blum. 125,607; Mar. 4.
Jar. B. D. Fuerst. 125,616; Mar. 4.
Lamp and bracket therefor, Combined vehicle. R. A. Donnelly. 125,561; Mar. 4.
Lamp and support therefor, Combined adjustable. M. K. Kaplan. 125,570; Mar. 4.
Lamp Bed. J. Galter. 125,565; Mar. 4.
Lighting fixture, Fluorescent. D. J. Biller. 125,559; Mar. 4.
Manikin. K. Fox. 125,639; Mar. 4.
Necktie. F. W. Tully. 125,675; Mar. 4.

Ornament or the like, Lapel. S. P. Kaufman. 125,588; Mar. 4.
Overshoe, Heelless. W. Mancik and G. H. Quennard. 125,667; Mar. 4.
Overshoe or similar waterproof article. J. E. Hard. 125,568; Mar. 4.
Pajama ensemble. G. Montell. 125,669; Mar. 4.
Pendant or similar article. G. R. Sweet. 125,598; Mar. 4.
Piano. W. Zalser. 125,579–80; Mar. 4.
Pin. W. Markle. 125,693; Mar. 4.
Pin, Lapel chime. L. Price. 125,694; Mar. 4.
Pipe shroud, Exhaust. L. E. Russell. 125,644; Mar. 4.
Pipe, Smoking. E. W. Ross. 125,573; Mar. 4.
Plate or similar article. A. W. Mackenzie, Jr. 125,623; Mar. 4.
Plate or similar article. G. Sakler. 125,574; Mar. 4.
Polisher, Floor. E. J. Vetter. 125,653; Mar. 4.
Rack, Merchandise display. M. H. Larson. 125,639; Mar. 4.
Rack or the like, Apparel. B. M. Flannery. 125,614–5; Mar. 4.
Razor. O. V. Rodrigues. 125,592; Mar. 4.
Shoe heel. D. R. Cutler. 125,657; Mar. 4.
Shoe or similar article. P. Aronov. 125,556; Mar. 4.
Shoe sole. D. R. Cutler. 125,656; Mar. 4.
Spectacles, Pair of. P. H. Johnston. 125,661; Mar. 4.
Stool display and stand therefor, Combined. C. Huber. 125,634; Mar. 4.
Stand, Bird cage. E. W. and G. Little. 125,589; Mar. 4.
Stand or similar article, Hat. H. B. Hewitt. 125,621; Mar. 4.
Statuette and container for perfume, Combination. R. B. Karoff. 125,587; Mar. 4.
Suit. A. Del Re. 125,700; Mar. 4.
Suit. A. Del Re. 125,703; Mar. 4.
Suit. A. Del Re. 125,718; Mar. 4.
Suit. B. Staehle. 125,597; Mar. 4.
Suit. H. O. Wolk. 125,745; Mar. 4.
Suit. H. Zuckerman. 125,709; Mar. 4.
Support, Copying camera. A. E. Schubert. 125,575; Mar. 4.
Support, Flower pot. G. Little. 125,590; Mar. 4.
Syphon or the like. D. Chapman. 125,632; Mar. 4.
Tape dispenser, Gummed. L. A. Cheney. 125,560; Mar. 4.
Thermohydrometer or the like, Syringe. L. Edelmann. 125,562; Mar. 4.
Toaster, Electric. I. Edelman. 125,684; Mar. 4.
Toy rattle. F. M. Hoover. 125,569; Mar. 4.
Tray, Ash. H. P. Lyman. 125,640; Mar. 4.
Tray or similar article. L. M. Schnitzer. 125,595; Mar. 4.
Uniform. A. M. Berger. 125,696–7; Mar. 4.
Vase or similar article. C. Romanelli. 125,572; Mar. 4.
Vase or similar article. C. Romanelli. 125,593–4; Mar. 4.
Wallpaper. E. Ericson. 125,613; Mar. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practise).

Abrading device. J. L. Culpepper. 2,234,109; Mar. 4.
Abrasive tool. G. Bonwitt. 2,233,469; Mar. 4.
Accounting machines, Paper carriage for. W. A. Anderson. 2,233,971; Mar. 4.
Acids containing three carbon atoms and derivatives thereof, Manufacture of halogenated organic. J. W. C. Crawford and N. McLeish. 2,233,835; Mar. 4.
Acoustic apparatus for motor driven vehicles. F. P. Sheup and C. O. Chatlos. 2,233,459; Mar. 4.
Acoustic device. G. W. Cowley and W. F. Kannenberg. 2,233,881; Mar. 4.
Accoustical apparatus. H. F. Olson and J. Preston. 2,234,067; Mar. 4.
Adjustable chair. L. Potter. 2,233,797; Mar. 4.
Adjuster, Automatic. A. F. Shields. 2,233,490; Mar. 4.
Air and gas mixer. A. J. Root. 2,233,677; Mar. 4.
Air conditioning system utilizing refrigeration. S. M. Anderson. 2,234,037; Mar. 4.
Air treating apparatus. B. Easlick. 2,233,976; Mar. 4.
Alcohol, Ester of nitro. H. B. Hass and B. M. Vanderbilt. 2,233,607; Mar. 4.
Alloy: *See*—
Magnesium base alloy
Alloy and cutting tool made thereof. W. A. Wissler. 2,233,443; Mar. 4.
Altimetric control device for carburetors. P. X. A. Glatzel. 2,234,001; Mar. 4.
Aluminum and its alloy, Direct nickle-plating of. J. Fensch. 2,233,410; Mar. 4.
Amplifier, Charge storage. P. T. Farnsworth. 2,233,888; Mar. 4.
Amplifier, Electron discharge. H. P. Thomas. 2,233,927; Mar. 4.
Amplifier volume control. J. A. J. Boonkamp and R. G. Clark. 2,233,767; Mar. 4.
Amplifier with negative feedback. H. Wermuth. 2,233,750; Mar. 4.
Amplifying system and process. R. J. Rockwell. 2,234,001; Mar. 4.
Amusement device. C. A. Brink. 2,233,729; Mar. 4.
Amusement device. W. Lanvitt. 2,234,129; Mar. 4.
Anchor escapement for clocks and the like. H. Junghans. 2,233,921; Mar. 4.
Antenna for automobiles, Radio. A. A. Johnson. 2,233,920; Mar. 4.
Antiglare attachment. A. Gutierrez. 2,233,739; Mar. 4.
Antioxidants, Manufacture of aliphatic ketone diarylamine. C. S. Dewey. 2,233,360; Mar. 4.
Apparatus and method for feeding cultured food to animals. F. K. Chandler. 2,234,041; Mar. 4.
Apparatus and method for production of fibers from glass slag, and the like meltable materials. F. Hessenarth and F. Hager. 2,234,087; Mar. 4.
Apparatus for and method of controlling temperatures in lehrs. D. G. Merrill. 2,233,629; Mar. 4.
Apparatus for applying revenue duty labels or like strips to the narrow sides of packages by means of adhesive. E. Zimmax. 2,233,494; Mar. 4.
Apparatus for changing the tools in metal working lathes. L. Antonelli. 2,234,103; Mar. 4.
Apparatus for cleaning and ventilating barns and stables for cattle. J. W. Beggerl. 2,233,760; Mar. 4.
Apparatus for conditioning molding sand. W. J. Bell. 2,233,727; Mar. 4.
Apparatus for conditioning molten glass. C. C. Kinker. 2,234,147; Mar. 4.
Apparatus for controlling fluid flow. R. A. Wiltmann. 2,233,659; Mar. 4.
Apparatus for developing visual fusion. F. F. Wildenhain. 2,233,689; Mar. 4.
Apparatus for dispensing hypochlorites. W. S. Hartman. 2,233,467; Mar. 4.
Apparatus for double spot or seam welding. G. Hagedorn and W. Hass. 2,233,526; Mar. 4.
Apparatus for finishing fabrics. C. T. Graham. 2,233,865; Mar. 4.
Apparatus for heat transfer. E. F. Hubacker. 2,233,414; Mar. 4.
Apparatus for indicating and/or controlling the concentration or viscosity of liquids or dispersions. K. T. Källe. 2,233,561; Mar. 4.
Apparatus for making colored sheet glass. J. H. Fox. 2,233,597; Mar. 4.
Apparatus for making slub yarn. J. Openshaw. 2,233,819; Mar. 4.
Apparatus for making thin dipped rubber articles. H. Reisinger. 2,233,550; Mar. 4.
Apparatus for manufacturing inner tubes. R. Patrick. 2,233,637; Mar. 4.
Apparatus for molding sheets. C. Abemeier. 2,233,570; Mar. 4.
Apparatus for renovating molding sand. W. J. Bell. 2,233,728; Mar. 4.
Apparatus for stacking sheets. W. F. Grupe. 2,234,116; Mar. 4.
Apparatus for the production of dentures and method of making such apparatus. B. Weigele. 2,233,722; Mar. 4.
Apparatus for wrapping carbon dollies. A. Kunze. 2,233,538; Mar. 4.
Apparel, Wearing. A. Wulf. 2,234,035; Mar. 4.
Applicator. A. P. Doty. 2,233,811; Mar. 4.
Apron, Card. T. M. Knowland and A. G. Russell. 2,233,985; Mar. 4.
Arm attachment for jacks, Extension. B. J. Kelley. 2,233,536; Mar. 4.
Article and making the same, Knitted. P. Krenkel. 2,234,146; Mar. 4.
Articles on conveyers, Accurately spacing. H. H. Rapley. 2,233,850; Mar. 4.
Aryinitroalkenes, Reduction of. A. G. Susie and H. B. Hass. 2,233,823; Mar. 4.
Assembling rack. C. D. Reed and R. L. Riley. 2,233,899; Mar. 4.
Audiphone. R. E. Polk. 2,233,848; Mar. 4.
Autofocus enlarger. R. E. Meder. 2,233,744; Mar. 4.
Automatic voltage regulator. M. Debrey. 2,234,110; Mar. 4.
Automobile locking structure. R. A. Sandberg. 2,234,010; Mar. 4.
Automotive generating system. F. Conrad. 2,233,586; Mar. 4.
Bagpipe. J. Adamson. 2,233,507; Mar. 4.
Bags, Manufacture of. E. F. Lakso. 2,234,051; Mar. 4.
Balance, Analytical. A. B. Kish. 2,233,868; Mar. 4.
Band width control device. D. E. Foster and W. S. Barden. 2,233,776; Mar. 4.
Bar: *See*—
Metal bar. Taper boring bar.
Bar for straight bar knitting machines, Slur cock. K. Wickardt. 2,233,801; Mar. 4.
Baseball and similar game. F. B. Simmons. 2,233,685; Mar. 4.
Battery, Galvanic. A. I. Eddy and E. O. Jeggo. 2,233,593; Mar. 4.
Bearing: *See*—
Vertical bearing.
Bearings and other surfaces, Indicating the wear on. H. C. Dickinson and S. A. McKee. 2,233,403; Mar. 4.
Bed, Couch. J. Martin. 2,233,893; Mar. 4.
Beryllium fluoride free from oxide, Manufacture of anhydrous. C. Adamoli. 2,233,465; Mar. 4.
Beta-tetrachlorketo-naphthalene, Producing. I. I. Ostromislenesky. 2,233,429; Mar. 4.
Binder for books. C. E. Skeag. 2,233,580; Mar. 4.
Binding stripping device, Plastic. C. E. Emmer. 2,234,044; Mar. 4.
Bit: *See*—
Drill bit.
Block construction, Crown. W. B. Sounitza. 2,233,648; Mar. 4.
Board and making the same, Laminated. J. H. Schmidt and R. T. Casselman. 2,233,875; Mar. 4.
Boards, Smoothing the edges of coated. G. J. Snyder. 2,233,854; Mar. 4.
Boiler: *See*—
Multitubular boiler.
Boiler tube cap. W. L. Bliss. 2,234,154; Mar. 4.
Bolster braking device. C. J. Holland and K. Edahl. 2,233,479; Mar. 4.
Book. R. C. McKay. 2,233,425; Mar. 4.
Book hanger. B. Vale. 2,233,687; Mar. 4.
Book, Multiple unit loose-leaf. F. D. Pitt and R. T. Jones. 2,234,088; Mar. 4.
Bootleg. J. R. Wilson. 2,233,905; Mar. 4.
Bottle cap. W. G. Wagner. 2,233,904; Mar. 4.
Bottle, Partial dispensing. D. A. Dent. 2,233,996; Mar. 4.
Box: *See*—
Folding box. Outlet box.
Messenger call box.
Box construction. J. N. Powell. 2,233,488; Mar. 4.
Box or container, Cardboard or like. J. M. Greeley. 2,233,602; Mar. 4.
Bracket: *See*—
Clothesline bracket.
Brake. J. M. Milan. 2,233,427; Mar. 4.
Brake. H. J. Smith. 2,233,877; Mar. 4.
Brake apparatus, Hydraulic. F. L. Main. 2,233,892; Mar. 4.
Brake attachment, Automatic hydraulic. F. Cook. 2,233,994; Mar. 4.
Brake controlling means for hoists. E. E. Robins. 2,233,798; Mar. 4.

Brake disk. C. L. Eksergian. 2,233,594; Mar. 4.
Brake operating device. P. C. Allen. 2,233,392; Mar. 4.
Braking system. W. H. Statler. 2,233,903; Mar. 4.
Braking system for induction motors. H. L. Wilcox. 2,233,501; Mar. 4.
Brush for combine harvesters, Rotating pickup. O. F. Fuhrhop. 2,233,837; Mar. 4.
Buckle, Belt. H. Buchsbaum. 2,233,883; Mar. 4.
Buffing or cleaning tool. A. J. Whelan, Sr. 2,233,565; Mar. 4.
Bulkhead door. D. E. James. 2,233,533; Mar. 4.
Burner: *See*—
Fuel oil burner.
Burner. J. A. Creighton. 2,233,916; Mar. 4.
Cabinet: *See*—
Display cabinet. Washing machine cabinet.
Cabinet shell, Filing. F. D. Jonas. 2,233,480; Mar. 4.
Cable system, Electric. C. E. Bennett. 2,233,765; Mar. 4.
Calcium metaphosphate, Making. R. L. Copson. 2,233,401; Mar. 4.
Calculating machine. G. C. Chase. 2,233,912; Mar. 4.
Calculator for valve mechanisms. R. D. Bobbitt. 2,233,830; Mar. 4.
Can: *See*—
Oil can.
Cans, Making battery. T. I. S. Boak. 2,233,578; Mar. 4.
Cap: *See*—
Boiler tube cap. Bottle cap.
Cap for knitting needle-point, Safety. W. H. and C. M. Porter. 2,234,061; Mar. 4.
Carburetor. A. H. Forgar. 2,233,523; Mar. 4.
Card slotting device, Selective. S. D. Buster, Jr., and D. R. Trinkle. 2,233,662; Mar. 4.
Cards, Method and apparatus for sorting. E. G. Harrison, Jr. 2,233,814; Mar. 4.
Case: *See*—
Shipping case.
Casing for photographic appliances. H. Krotoschiner. 2,233,614; Mar. 4.
Catamenial appliance. I. N. Freud. 2,234,046; Mar. 4.
Cathode electrode. K. F. J. Kirsten. 2,233,741; Mar. 4.
Cathode ray deflecting yoke. A. V. Bedford and F. E. Cone. 2,234,038; Mar. 4.
Cellulose compounds containing carboxy and amine groups. H. Dreyfus. 2,233,475; Mar. 4.
Cellulose, Stiffening regenerated. A. Cresswell. 2,233,402; Mar. 4.
Cellulosic structure and producing same. J. C. Woodhouse. 2,234,016; Mar. 4.
Cement comprising magnesia and copper chloride and articles made therefrom. T. A. Mitchell and D. C. Mitchell. 2,234,080; Mar. 4.
Cement, Slow setting. T. H. Dunn. 2,233,973–4; Mar. 4.
Ceramic support. W. F. Smith. 2,233,434; Mar. 4.
Ceramic wares, Manufacture of. G. J. Bair. 2,233,575; Mar. 4.
Chair: *See*—
Adjustable chair.
Chair. F. B. Leech. 2,233,986; Mar. 4.
Chair. I. Salomon. 2,233,749; Mar. 4.
Change speed gear, Continuously variable. O. G. Welton. 2,233,067; Mar. 4.
Chart and construction thereof. P. V. H. Weems. 2,233,440; Mar. 4.
Chick feeder. L. A. Shoemaker. 2,234,131; Mar. 4.
Child's vehicle. C. W. Hedstrom. 2,233,866; Mar. 4.
Chloride article, Polymeric vinylidene. R. M. Wiley. 2,233,442; Mar. 4.
Chute, Coin. W. A. Tratsch and W. Patzer. 2,233,654; Mar. 4.
Cigar wrapping machine. E. H. Jähne. 2,233,452; Mar. 4.
Cigars, Manufacture of. F. H. B. Stelzer. 2,233,493; Mar. 4.
Cinematographic apparatus. J. R. Darby. 2,233,809; Mar. 4.
Circuit: *See*—
Control circuit. Radio receiving circuit.
Filter circuit.
Frequency variation indicator circuit.
Circuit controlling device, Electrical. F. F. Humphreys and T. A. Terjesen. 2,233,532; Mar. 4.
Circuit interrupter. F. Günther. 2,233,605; Mar. 4.
Circuits, Gain control. D. D. Robertson. 2,233,487; Mar. 4.
Circuits, Noise control. E. I. Anderson. 2,233,761; Mar. 4.
Circuits, Thermionic valve oscillatory. C. L. Fandell. 2,233,596; Mar. 4.
Clamp: *See*—
Optical lens mounting clamp.
Clamp. C. R. Carson. 2,233,911; Mar. 4.
Clamp. W. K. Creson. 2,234,156; Mar. 4.
Clamp. A. F. Heckendorf. 2,234,029; Mar. 4.
Clamp. F. Turzicky. 2,234,028; Mar. 4.
Clamp and ground set, Combination load. D. Allison. 2,233,826; Mar. 4.
Clamping device. M. Segre. 2,233,458; Mar. 4.
Clamping means. H. Churchill. 2,234,022; Mar. 4.
Cleaner: *See*—
Oil cleaner.
Cleaner for dairy equipment. J. A. Schmitt. 2,233,852; Mar. 4.
Cleaning apparatus, Suction. J. H. Ashbaugh. 2,233,762; Mar. 4.
Cleaning device for acetylene gas burners. J. E. Williams. 2,234,033; Mar. 4.
Cleaning pad. J. K. Potter. 2,233,746; Mar. 4.
Closure, Receptacle. J. D. Reifsnyder. 2,233,489; Mar. 4.
Cloth measuring device. J. W. Holman. 2,233,530; Mar. 4.
Clothesline bracket. L. Begin and P. Rosenbloom. 2,233,725; Mar. 4.
Clutch: *See*—
Shock absorbing clutch.
Coat, Reversible. B. Levinsohn. 2,233,567; Mar. 4.
Coating composition for lithograph plates and applying the same. A. L. Ayers. 2,233,573; Mar. 4.
Coating for electron discharge devices, Black. J. H. de Boer, H. Bruining, and L. T. Scheerman. 2,233,917; Mar. 4.
Coil, High frequency. N. M. Rust. 2,233,748; Mar. 4.
Coin control. W. A. Tratsch and W. Patzer. 2,233,655; Mar. 4.
Coin slide. W. A. Tratsch. 2,233,653; Mar. 4.
Collapsible container. C. W. Vogt. 2,234,065; Mar. 4.
Collar, Semistiff. F. C. Hilberg. 2,233,477; Mar. 4.
Collet index fixture. C. Tree. 2,233,858; Mar. 4.
Combustion tube. F. E. Herr. 2,233,529; Mar. 4.
Compass. W. W. Stanfield. 2,233,990; Mar. 4.
Composite construction member. C. R. Gifford. 2,234,114; Mar. 4.
Composite structures, Manufacture of. J. F. Pagendarm. 2,233,484; Mar. 4.
Compounds of the anthraquinone series. A. J. Wuertz and W. L. Rintelman. 2,233,502; Mar. 4.
Concrete placement apparatus. C. Jackson. 2,233,833; Mar. 4.
Conductor. R. J. Wiseman. 2,234,068; Mar. 4.
Confection, container therefor, and method of removing contents, Frozen. R. Stover. 2,234,013; Mar. 4.
Connection for pumps, Standpipe. W. E. Geer and E. R. Wilfley. 2,233,598; Mar. 4.
Connection for submersible motor pumps, Eccentric suspension and cable. V. A. Hoover. 2,233,890; Mar. 4.
Connection, Separable electrical. E. M. Soreng. 2,233,718; Mar. 4.
Console. V. J. Mohler. 2,234,055; Mar. 4.
Container: *See*—
Collapsible container. Display container.
Deodorant and toilet container. Metal container.
Container. J. Hohl and O. Bjering. 2,233,704; Mar. 4.
Container. C. B. McClaskey. 2,233,843; Mar. 4.
Container and part therefor. P. Zalkind. 2,233,906; Mar. 4.
Container closure. C. A. Rauh. 2,234,084; Mar. 4.
Container feeding device. A. I. Risser. 2,233,960; Mar. 4.
Containers, Making fiber. D. G. Magill. 2,233,423; Mar. 4.
Control circuit, Automatic frequency. D. E. Foster. 2,233,777–8; Mar. 4.
Control circuit, Automatic volume. C. N. Kimball. 2,233,782; Mar. 4.
Control device. G. F. Maughmer. 2,233,923; Mar. 4.
Control device. P. S. Russel. 2,234,088; Mar. 4.
Control for automobiles, Dual. J. H. Pace. 2,234,082; Mar. 4.
Control system. J. S. Newton. 2,233,634; Mar. 4.
Converter. E. Bruche. 2,233,768; Mar. 4.
Convertible body. R. L. Carr. 2,234,040; Mar. 4.
Cooking device, Electric. R. H. Park. 2,233,485; Mar. 4.
Copper and its alloys, Coating. H. J. Lodeesen. 2,233,422; Mar. 4.
Cotton ginning apparatus. J. Blewett. 2,233,691; Mar. 4.
Counterbalance. L. F. Burnham. 2,233,581; Mar. 4.
Coupling: *See*—
Safety coupling.
Coupling. E. C. Noble. 2,233,794; Mar. 4.
Cover for annealing furnaces, Inner. W. A. Breedon, F. A. Garman, and F. W. Lorig. 2,233,580; Mar. 4.
Crusher and baler, Can. M. S. Wells. 2,234,098; Mar. 4.
Cup delivering mechanism. J. F. Wellekens. 2,233,462; Mar. 4.
Curler, Hair. J. D. La Vista. 2,234,050; Mar. 4.
Curler, Hair. B. F. Pryor. 2,233,712; Mar. 4.
Curtain and shade support. R. E. Ratcliffe. 2,233,430; Mar. 4.
Curtain and shade support, Combined unitary. H. R. and W. W. Westfall. 2,234,099; Mar. 4.
Cushion construction. C. H. Menge. 2,233,545; Mar. 4.
Cushioning unit. E. H. Blattner. 2,233,396; Mar. 4.
Cutter: *See*—
Fuse cutter.
Cutter for dredges. L. T. Gaylord. 2,233,943; Mar. 4.
Cutting tool. B. Bannister and G. C. Greenwood. 2,233,724; Mar. 4.
Cylinder heads, Method of and apparatus for casting. E. G. Fahlman. 2,233,405; Mar. 4.
Dental appliance. H. R. Campbell. 2,233,936; Mar. 4.

Dental compact. R. A. Pickle. 2,233,522; Mar. 4.
Deodorant and toilet container. R. T. C. Castrique. 2,234,021; Mar. 4.
Detent means. A. E. M. Lepetit. 2,233,950; Mar. 4.
Device for heating liquids. G. Nartens. 2,233,675; Mar. 4.
Device for holding paper. J. J. Britton. 2,233,730; Mar. 4.
Device for making coffee or the like. D. R. P. Heaton. 2,233,528; Mar. 4.
Device for obtaining spinnable fibers from fiber containing strips of bark. K. Frische. 2,234,113; Mar. 4.
Diaphragm for railroad passenger cars and mounting same. K. F. Nystrom. 2,234,060; Mar. 4.
Dielectric composition. R. R. Dreisbach. 2,233,404; Mar. 4.
Dioxazines and making the same. W. Burneleit. 2,233,940; Mar. 4.
Diphenylbenzenes, Cyclohexylated. F. B. Smith and H. W. Moll. 2,233,964; Mar. 4.
Dish and making the same, Paper. H. Carew. 2,234,108; Mar. 4.
Dispenser: *See*—
Fluid dispenser. Paper dispenser.
Dispenser and lock release mechanism for games, Automatic. C. Ross. 2,234,714; Mar. 4.
Dispensing device. C. W. Ward. 2,233,721; Mar. 4.
Dispensing device. P. K. Williams. 2,234,151; Mar. 4.
Dispensing valve. G. O. Matter. 2,233,818; Mar. 4.
Display and dispensing rack. E. D. Goodfellow. 2,233,601; Mar. 4.
Display cabinet. L. W. Shields. 2,233,550; Mar. 4.
Display container. H. J. Grossman. 2,233,813; Mar. 4.
Display stand. L. C. Galton. 2,234,000; Mar. 4.
Display stand. W. B. West. 2,234,032; Mar. 4.
Divider means for file receptacles. J. R. Jones. 2,233,938; Mar. 4.
Door: *See*—
Bulkhead door.
Door. N. C. Clark and B. W. Benz. 2,233,982; Mar. 4.
Door and panel construction. M. Pasquier. 2,233,711; Mar. 4.
Doorframe, Furnace. F. C. Swartz. 2,233,650; Mar. 4.
Door hanger. F. Peck. 2,233,638; Mar. 4.
Door latch. L. A. Marquardt. 2,233,625; Mar. 4.
Door lock. T. W. Anderson. 2,233,828; Mar. 4.
Drawing mechanism for textile fibers. B. C. Shaw. 2,233,063; Mar. 4.
Drill bit, Detachable. P. Liddicoat. 2,233,421; Mar. 4.
Drill holes, Method of and apparatus for exploring. E. G. Leonardon. 2,233,420; Mar. 4.
Drilling apparatus. R. B. Bryant. 2,233,692; Mar. 4.
Drilling machine. W. Schibbe. 2,233,822; Mar. 4.
Duplicating device. R. S. Demarest. 2,233,472; Mar. 4.
Duplicating machine. L. Mestre. 2,233,895; Mar. 4.
Dust separator. A. F. de Vigan. 2,233,520; Mar. 4.
Dyeings, Producing fast. A. Zitscher, W. Seidenfaden, and W. Bröker. 2,234,036; Mar. 4.
Dyes, Preparing 8-alkyl unsymmetrical carbocyanine. L. G. S. Brooker and F. L. White. 2,233,510; Mar. 4.
Dyestuff intermediates, Azo. M. A. T. Rogers and W. A. Sexton. 2,233,873; Mar. 4.
Dyestuffs, Monoazo. W. H. Cliffe and A. H. Knight. 2,233,583; Mar. 4.
Dyestuffs of the anthraquinone series. F. B. Stilmar. 2,233,496; Mar. 4.
Dyestuffs of the anthraquinone series and preparing them, Acid wool. H. Becker. 2,233,391; Mar. 4.
Dyestuffs, Water-soluble. H. Wenning and H. Krzikalla. 2,234,031; Mar. 4.
Dynamoelectric machine. G. Kelley. 2,233,982; Mar. 4.
Dynamoelectric machine. W. E. McKibben. 2,233,924; Mar. 4.
Egg cleaning machine. A. B. Carper. 2,233,910; Mar. 4.
8-methyloxathiacarbocyanines and 8-methyloxaselenacarbocyanines, Preparing. L. G. S. Brooker and F. L. White. 2,233,509; Mar. 4.
Electric controlling apparatus. R. A. Andrews. 2,234,104; Mar. 4.
Electric discharge apparatus. J. W. Dawson. 2,233,810; Mar. 4.
Electric motor. H. H. Blackwell. 2,233,829; Mar. 4.
Electric switch. A. G. Stimson. 2,233,926; Mar. 4.
Electric system. J. L. Creveling. 2,233,772; Mar. 4.
Electrical control system. W. K. Walker. 2,234,030; Mar. 4.
Electrical impulses, Recording of. H. Wohlrab and K. Schwarz. 2,234,034; Mar. 4.
Electrical plug. G. H. Burt. 2,233,909; Mar. 4.
Electrical precipitator. E. H. R. Pegg. 2,233,639; Mar. 4.
Electrical surge absorber. J. L. Miller. 2,233,939; Mar. 4.
Electrical switch. F. H. Rowe. 2,233,900; Mar. 4.
Electrically reciprocated tool. A. J. Dremel. 2,233,862; Mar. 4.
Electricity meter. J. Indergand. 2,233,781; Mar. 4.
Electrode for gaseous tubes. M. Fletcher. 2,233,470; Mar. 4.
Electrode holder, Safety electric. H. B. Leach. 2,233,618; Mar. 4.
Electrolytic capacitor. P. McK. Deeley. 2,234,042; Mar. 4.
Electromagnetic regulator. F. Mensel. 2,234,158; Mar. 4.
Electron discharge device. K. Fritz. 2,233,779; Mar. 4.
Electron discharge device. L. Pensak. 2,233,795; Mar. 4.
Electron multiplier. R. L. Snyder. 2,233,878; Mar. 4.
Electrooptical system. A. M. Skellett. 2,233,876; Mar. 4.
Embalming fluid. W. B. O'Brien. 2,233,428; Mar. 4.
Emulsion polymerization of butadienes. W. Gumlich and I. Dennstedt. 2,234,076; Mar. 4.
Engine: *See*—
Internal combustion engine. Turbine gasoline engine.
Engine. F. H. W. Miller. 2,233,630; Mar. 4.
Engines, Geared connecting rod mechs for. C. L. Lawrance. 2,233,669; Mar. 4.
Equaliser apparatus. H. T. McDonald. 2,233,627; Mar. 4.
Escapement mechanism for package dispensing machines. S. W. Williamson. 2,233,890; Mar. 4.
Esters of aroyl benzoic acids. H. A. Brunen. 2,233,513; Mar. 4.
Exercising device. E. E. Bauermeister. 2,233,764; Mar. 4.
Extrusion chamber for plastic extrusion presses. V. S. Shaw. 2,233,508; Mar. 4.
Eyeshield. M. M. Glassberg. 2,233,600; Mar. 4.
Fabric and producing same, Patterned. G. Heberlein and A. Bodmer. 2,233,669; Mar. 4.
Fall board and music desk combination. A. F. Knoblaugh. 2,233,989; Mar. 4.
Fan. J. D. Crook. 2,233,588; Mar. 4.
Fastener: *See*—
Suction type fastener.
Fastening device for bearings, particularly for balance staffs of watches, Resilient. F. Martl. 2,233,743; Mar. 4.
Fats, Hydrolyzing. V. Mills. 2,233,845; Mar. 4.
Faucet handle. A. H. Rover. 2,233,962; Mar. 4.
Feeder: *See*—
Chick feeder.
Fiber, Manufacture and production of staple. H. Ashton and E. A. Martens. 2,234,105; Mar. 4.
Fiber, Manufacture of staple. H. R. Kline and L. J. Jordan. 2,233,418; Mar. 4.
Fiber products, Lignocellulose. W. H. Mason. 2,234,126; Mar. 4.
Filling feeler repair part. A. E. Pinkul. 2,234,083; Mar. 4.
Film, Handling. W. D. Foster and F. D. Sweet. 2,233,409; Mar. 4.
Filter. I. H. Jewell. 2,233,981; Mar. 4.
Filter circuit. M. G. Crosby. 2,233,773; Mar. 4.
Filtration, Method of and apparatus for. I. H. Jewell. 2,233,980; Mar. 4.
Firearm. Val A. Browning. 2,233,861; Mar. 4.
Fishhook. J. M. Driscoll. 2,233,863; Mar. 4.
Fish lure. L. C. Stritt. 2,233,684; Mar. 4.
Fish lure, Frog simulating. A. L. Hayley, Jr. 2,234,077; Mar. 4.
Fish or other marine life, while on long trips by vehicle or boat, Preserving. E. L. West. 2,233,504; Mar. 4.
Fishing reel. C. H. Gugtail. 2,233,525; Mar. 4.
Fluid dispenser. T. W. Miller. 2,234,079; Mar. 4.
Fluid pump. R. W. Ott. 2,233,561; Mar. 4.
Fluid pumping and controlling means. D. W. Sessions. 2,234,090; Mar. 4.
Fluid silencer. R. B. Bourne. 2,233,804; Mar. 4.
Fluid system. L. F. Whitney. 2,233,809; Mar. 4.
Folding bed. N. Rosenthal. 2,233,874; Mar. 4.
Folding mechanism for printing presses. J. E. Meyer. 2,233,793; Mar. 4.
Food processing machine. T. R. James. 2,233,919; Mar. 4.
Form, Dress. M. F. Henry. 2,233,610; Mar. 4.
Form, Garment. S. C. Sperry. 2,233,492; Mar. 4.
Frequency modulation expander, Low. D. G. Burnside. 2,233,760; Mar. 4.
Frequency variation indicator circuit. S. W. Seeley. 2,233,731; Mar. 4.
Fruit and vegetable washer. D. G. Hollenbeck. 2,233,611; Mar. 4.
Fruit, Washing. C. D. Dolman. 2,233,447; Mar. 4.
Fuel and the combustion thereof, Composite. E. S. Mead. 2,233,894; Mar. 4.
Fuel oil burner. G. I. Campbell. 2,233,770; Mar. 4.
Fuel supply unit for oil burners. H. C. Osborne. 2,233,709; Mar. 4.
Fungicide. L. H. Flett. 2,233,407; Mar. 4.
Fur, Treatment of animal. W. Kritchevsky. 2,234,138; Mar. 4.
Fuse cutter. E. Rhodes. 2,233,713; Mar. 4.
Gaffing device. H. R. Lee. 2,233,670; Mar. 4.
Game, Ball rolling. D. E. Hooker and F. G. Nicolaus. 2,233,612; Mar. 4.
Game device. F. H. Dean. 2,233,589; Mar. 4.
Garbage and waste receptacle. P. W. Lichtenberger. 2,233,789; Mar. 4.
Gas, Analysis of. R. Miller. 2,234,128; Mar. 4.
Gas pumping. J. J. Wydler. 2,234,100; Mar. 4.
Gas system. F. S. Baird and B. T. Harris. 2,233,508; Mar. 4.

Gauge: *See*—
Liquid-level gauge.
Gauge. C. W. McClure. 2,233,626; Mar. 4.
Gear: *See*—
Change speed gear.
Gear shifter, Fluid pressure operated. D. F. Linsley. 2,233,790; Mar. 4.
Generator: *See*—
Steam generator.
Generator for interlaced scanning, Synchronizing impulse. F. Below. 2,233,881; Mar. 4.
Germicide and making the same. P. Goedrich. 2,233,812; Mar. 4.
Glass and manufacture thereof, Cellular. E. H. Haux and W. O. Lytle. 2,233,608; Mar. 4.
Glass and producing the same, Decorative. W. O. Lytle. 2,233,622; Mar. 4.
Glass cutting machine. G. A. Philippe. 2,233,847; Mar. 4.
Glass, Manufacturing cellular. R. A. Miller and W. O. Lytle. 2,233,631; Mar. 4.
Glass, Nonglare safety. E. L. Fix. 2,233,941; Mar. 4.
Glass stock for electric melting. H. Snow. 2,233,435; Mar. 4.
Glass wool. H. V. Smith. 2,233,433; Mar. 4.
Glycerin, Crystallization of. H. B. Hass. 2,233,606; Mar. 4.
Grain separator. L. and R. Van Domelen. 2,233,824; Mar. 4.
Granular materials, Acid treating. J. A. Crew. 2,233,695; Mar. 4.
Grill, Gas. F. C. Wilson. 2,233,463; Mar. 4.
Grinding attachment for valve resurfacing machines, Wet. G. C. Wilhide. 2,233,568; Mar. 4.
Grinding material. C. H. Commons, Jr. 2,233,585; Mar. 4.
Guard, Chair seat and bumper. R. A. and J. F. Cramer. 2,233,694; Mar. 4.
Guard, Insect. J. W. Byrd. 2,233,832; Mar. 4.
Guard, Oillight chain. S. W. Webster. 2,233,658; Mar. 4.
Gun. C. A. Young. 2,233,504; Mar. 4.
Gun, Calk. S. Crewe. 2,233,587; Mar. 4.
Gun mount, Lateral aircraft. J. C. Sanders. 2,233,642; Mar. 4.
Hame. H. A. Goetz. 2,233,524; Mar. 4.
Hammer, Power. H. B. Colestock. 2,233,913; Mar. 4.
Handle: *See*—
Faucet handle.
Handle and carton therefor, Attachable. J. I. and M. E. Selfer. 2,233,799; Mar. 4.
Hanger: *See*—
Book hanger. Door hanger.
Harness for dogs and children. E. J. Bloom. 2,233,397; Mar. 4.
Harrow, Disk. J. E. Hoffman. 2,233,665; Mar. 4.
Headlight. M. P. Portnow. 2,233,486; Mar. 4.
Heating system. G. R. Radley. 2,233,849; Mar. 4.
Helicopter. A. Riedl. 2,233,747; Mar. 4.
Hinge rod pivot. J. L. Shaw. 2,234,092; Mar. 4.
Hinge, Self-locking concealed. W. Bobek. 2,233,882; Mar. 4.
Hoist, Hydraulic. E. R. Barrett. 2,234,134; Mar. 4.
Hoisting mechanism, Hydraulic. E. R. Barrett. 2,234,135; Mar. 4.
Holder: *See*—
Electrode holder. Toy and confection holder.
Sheet holder.
Holder for hypodermic syringes, Cannula. D. I. Pletcher. 2,233,554; Mar. 4.
Hopper and feeding device. B. H. Ticknor, II, and A. M. Talbott. 2,233,652; Mar. 4.
Hose connection for vacuum cleaners. W. J. Clements. 2,233,471; Mar. 4.
Hose handling and storage apparatus. G. F. Stewart. 2,234,149; Mar. 4.
Hose shearing and stripping apparatus, Automatic. R. O. Huffman, G. W. Shuford, and B. F. Childers. 2,233,351; Mar. 4.
Husker, Corn. J. H. Hall. 2,234,118; Mar. 4.
Hydrocarbons, Producing low boiling. M. Levine. 2,233,951; Mar. 4.
Ice cutting device. W. C. Pfeil. 2,234,129; Mar. 4.
Idling device for electric generating plants. L. E. Sprinkle. 2,234,094; Mar. 4.
Image-frequency rejection system. N. P. Case. 2,233,470; Mar. 4.
Image projector. P. T. Farnsworth. 2,233,887; Mar. 4.
Impulse control device. E. Mellin. 2,233,844; Mar. 4.
Indicating instruments, Interconnectible portable. U. L. Smith. 2,233,646; Mar. 4.
Infusions from medicinal plants, Producing concentrated. J. B. Rolle. 2,234,063; Mar. 4.
Internal combustion engine. G. L. Riley. 2,234,085; Mar. 4.
Internal combustion engine. B. H. Todd, J. F. Johnson, and E. E. Pudge. 2,233,499; Mar. 4.
Internal combustion engine. E. M. Trammell, Sr., and E. M. Trammell, Jr. 2,233,857; Mar. 4.
Inverter. H. Klemperer. 2,233,416; Mar. 4.
Iodine recovery. V. C. E. Le Glonbec and J. R. Herter. 2,233,787; Mar. 4.
Iron: *See*—
Laundry iron.
Ironing table, Collapsible. U. K. Johannsen. 2,234,144; Mar. 4.
Jack for motor vehicles, Built-in. L. L. Campbell. 2,233,732; Mar. 4.
Jack structure. L. D. Nilson. 2,233,745; Mar. 4.
Jacket, Resilient. D. A. Collings. 2,233,584; Mar. 4.
Joint: *See*—
Pipe joint.
Journal box mounting. E. Latshaw. 2,233,540; Mar. 4.
Key mechanism. G. A. Ungar. 2,233,461; Mar. 4.
Key pivot action. F. E. Comer. 2,234,107; Mar. 4.
Kit, Beauty. M. I. Wick. 2,233,859; Mar. 4.
Knitting machine, Full-fashioned. J. D. Moyer. 2,234,160; Mar. 4.
Knitting machine, High speed flat. B. Deri and S. Gangi. 2,233,664; Mar. 4.
Knobs, handles, and the like, Attaching. G. A. Tinnerman. 2,234,097; Mar. 4.
Lactate of a nitro alcohol. B. M. Vanderbilt. 2,233,656; Mar. 4.
Lamp and shade therefor, Indirect lighting. J. Gould, Jr. 2,233,780; Mar. 4.
Lamp for vehicles, Direction signal. R. S. Buchanan. 2,233,514; Mar. 4.
Last, Shoe stretching. J. Koskela. 2,233,454; Mar. 4.
Latch: *See*—
Door latch.
Lathe. T. F. Carlin. 2,233,399; Mar. 4.
Lather dispensing valve. B. W. Seidel. 2,233,716; Mar. 4.
Laundry iron, Electrically heated. F. Kuhn and L. H. Thomas. 2,233,615; Mar. 4.
Lead solution, Regeneration of spent. V. W. Wilson. 2,233,802; Mar. 4.
Leather wringing machine. J. J. Stehling. 2,233,495; Mar. 4.
Lens, Soft effect screen. J. Dulovits. 2,233,591; Mar. 4.
Lighter, Charcoal. W. R. Lamm. 2,234,004; Mar. 4.
Lighting control apparatus, Theater. B. S. Burke. 2,233,808; Mar. 4.
Lighting control apparatus, Theater. B. S. Burke, S. R. McCandless, D. H. Holden, and C. W. Stedman. 2,233,807; Mar. 4.
Lining machine. W. Diezel. 2,233,774; Mar. 4.
Liquid accumulator, Hot. I. Amundsen. 2,233,505; Mar. 4.
Liquid clarification apparatus. A. J. Fischer. 2,233,448; Mar. 4.
Liquid control valve. G. J. Koehler. 2,233,840; Mar. 4.
Liquid-level gauge. T. J. Atkins. 2,233,572; Mar. 4.
Loading apparatus. C. N. Bebinger. 2,234,071; Mar. 4.
Lock: *See*—
Door lock. Loose-leaf binder lock.
Lock and switch mechanism for elevator shaft doors. J. A. Schweig. 2,233,853; Mar. 4.
Lock means for cabinets, Safety. J. E. Gorrell. 2,233,699; Mar. 4.
Locking mechanism. K. C. Bugg. 2,233,661; Mar. 4.
Loom and method of weaving. M. Clark. 2,233,400; Mar. 4.
Loom shuttle positioner. W. R. Hewton. 2,234,049; Mar. 4.
Loose-leaf binder lock. G. W. Brownlee, Sr. 2,233,512; Mar. 4.
Lubricant. J. G. McNab. 2,233,426; Mar. 4.
Lubricant. W. A. Smith. 2,233,683; Mar. 4.
Lubricant. W. L. Steiner. 2,233,436; Mar. 4.
Lubricant, Diesel engine. C. M. Loane and B. H. Shoemaker. 2,234,005; Mar. 4.
Lubricator for elevator guide rails, Automatic. F. Northausen. 2,233,635; Mar. 4.
Luminaire, Ventilated. W. W. Kantack. 2,233,947; Mar. 4.
Lyre, Follo. W. Rosebraugh. 2,234,086; Mar. 4.
Machine and method for making striped plastic bodies. C. Orsini. 2,233,987; Mar. 4.
Machine for beading dipped rubber articles. F. J. Maywald, Jr. 2,233,543; Mar. 4.
Machine for settling and compacting flour in bags. H. Anderson. 2,234,069; Mar. 4.
Machine gun mount, Airplane. H. M. Fey. 2,233,918; Mar. 4.
Machine tool. C. R. Alden. 2,233,571; Mar. 4.
Magnesium base alloy. J. C. McDonald. 2,233,953-4; Mar. 4.
Magnetic core inductor, Temperature compensated. R. L. Harvey. 2,234,002; Mar. 4.
Magnetic field, Arrangement for measuring the terrestrial. G. A. Ising. 2,234,123; Mar. 4.
Magnetic switch. G. L. Usselman. 2,233,757; Mar. 4.
Magnetically operated device. A. G. Stimson. 2,233,925; Mar. 4.
Magneto. K. A. Harmon. 2,233,946; Mar. 4.
Margin indicator for typewriters. J. A. Varney and G. H. Van Brunt. 2,233,758; Mar. 4.
Material handling apparatus. W. G. Wehr. 2,233,929; Mar. 4.
Material, Supervising filamentary. A. G. B. Metcalf. 2,233,483; Mar. 4.
Materials, Packaging. I. Gurwick. 2,233,945; Mar. 4.
Mattress. R. H. Hamblin. 2,233,527; Mar. 4.
Mechanism for cutting and applying tape to filled bags. H. A. Bauer. 2,234,017; Mar. 4.

Melamine, Producing. E. Korten and K. Keller. 2,233,817; Mar. 4.
Memorizer. G. Carolin. 2,234,075; Mar. 4.
Messenger call box. W. Klimmich and H. Schnoor. 2,233,783; Mar. 4.
Metal bar, Cold working. E. Lukács. 2,233,869; Mar. 4.
Metal bending tool, Portable sheet. A. M. Heydall. 2,233,937; Mar. 4.
Metal container. J. Coyle. 2,233,518; Mar. 4.
Metal, Heat treating. H. A. Dreffein. 2,233,474; Mar. 4.
Metallic window screen. W. C. Hill. 2,233,412; Mar. 4.
Metallurgical product intended to be melted for forming a metal or an alloy, Manufacture of a. R. Mautsch. 2,234,127; Mar. 4.
Meter: *See*—
Electricity meter. Torque meter.
Mixer: *See*—
Air and gas mixer.
Moccasin. M. G. Gustin. 2,233,978; Mar. 4.
Modulating system. R. O. Wise. 2,233,860; Mar. 4.
Modulation, Reduction of. J. T. Dixon. 2,233,473; Mar. 4.
Mold and coating the same, Coated. R. S. Archer. 2,234,152; Mar. 4.
Monitoring for sound systems. M. E. Collins. 2,233,914; Mar. 4.
Motor: *See*—
Electric motor. Submersible electrical motor.
Reluctance motor. tor.
Shaver motor.
Motors, Preset speed operation of. F. D. Snyder. 2,233,647; Mar. 4.
Mounting: *See*—
Journal box mounting. Ophthalmic mounting.
Mounting for hang rods. E. L. Clouse. 2,233,733; Mar. 4.
Mounting for musical instruments, Key shaft. C. W. Silver. 2,234,093; Mar. 4.
Mousetrap. R. H. F. Melk and O. A. Melk. 2,233,628; Mar. 4.
Multitubular boiler. S. L. Kelling. 2,233,537; Mar. 4.
Nail file construction. H. Troya. 2,233,438; Mar. 4.
Neckties, Making. L. L. King. 2,233,784; Mar. 4.
Nickel, Etching. C. E. Moulendyke. 2,233,546; Mar. 4.
Nitroparaffins, Improving the thermal stability of. S. B. Lippincott. 2,233,620; Mar. 4.
Nut cracking. K. M. Jones. 2,234,157; Mar. 4.
Oil can. R. V. Jenkins. 2,233,535; Mar. 4.
Oil, Lubricating. J. W. Teter and F. M. Watkins. 2,234,096; Mar. 4.
Oil reclaiming apparatus. P. J. Doyle. 2,234,111; Mar. 4.
Oil well cleaner. F. A. Witt. 2,233,930; Mar. 4.
1,1'-diaralkyl-4,4'-carbocyanine salts. L. G. S. Brooker and L. A. Smith. 2,233,511; Mar. 4.
Opener, Envelope. A. F. Teigen. 2,233,497; Mar. 4.
Opener for plastic bindings. C. E. Emmer. 2,234,045; Mar. 4.
Ophthalmic mounting. E. M. Spraine. 2,234,027; Mar. 4.
Optical lens mounting clamp. G. A. Squier. 2,234,012; Mar. 4.
Organ, Electrical. W. E. Kock. 2,233,948; Mar. 4.
Ornamentation, Surface. J. Ulano and H. Friedman. 2,234,064; Mar. 4.
Oscillator, Anode tank circuit. E. G. Linder. 2,233,482; Mar. 4.
Outlet box. L. Budnick. 2,233,731; Mar. 4.
Oxide layers on aluminum and aluminum alloys and to electrolytes therefor, Manufacture of. J. Korpiun. 2,233,785; Mar. 4.
Paracylamino benzene sulphonyl guanidines and making them. P. S. Winnek. 2,233,569; Mar. 4.
Packaged tube. E. N. Sanders. 2,234,089; Mar. 4.
Packages, Sealing. G. B. Jinkerson. 2,233,666; Mar. 4.
Packing, Fabricated. T. A. Bowers. 2,233,579; Mar. 4.
Packing for shafts. J. U. Shager. 2,233,557; Mar. 4.
Pad: *See*—
Cleaning pad.
Paper dispenser. N. B. Currier. 2,233,663; Mar. 4.
Paper, Shelf. R. J. Hutt and G. A. Hutt. 2,233,816; Mar. 4.
Pectin compositions, Jellying. G. L. Baker and M. W. Goodwin. 2,233,574; Mar. 4.
Pen filling adapter, Fountain. P. R. Frey. 2,233,942; Mar. 4.
Pen, Fountain. E. E. Packard. 2,233,846; Mar. 4.
Phonographic apparatus. E. C. Conrad. 2,233,915; Mar. 4.
Phosphoric acid, Manufacture of. G. F. Moore. 2,233,956; Mar. 4.
Photoelectric relay. F. H. Shepard, Jr. 2,234,011; Mar. 4.
Photoflash synchronizer for cameras. C. H. Van Duser. 2,234,150; Mar. 4.
Photometric method and apparatus. E. M. Tolman. 2,233,879; Mar. 4.
Picture machine, Motion. P. E. Comi. 2,233,771; Mar. 4.
Picture projecting machine, Moving. A. Heurtier. 2,233,839; Mar. 4.
Pipe joint. P. C. Ely and J. M. Hopkins. 2,233,734; Mar. 4.
Piston expander. D. M. Smith. 2,234,148; Mar. 4.
Piston ring. C. A. Marien. 2,234,159; Mar. 4.
Piston ring, Oil control. J. H. Ballard. 2,233,723; Mar. 4.
Piston structure. R. G. Jones. 2,234,124; Mar. 4.
Pitch propeller, Variable. O. E. Barthel and N. E. Marker. 2,233,468; Mar. 4.
Plane, Rotating saw. L. M. Evjen. 2,233,998; Mar. 4.
Platen for repair vulcanizers, Fuel containing. M. L. Reibold. 2,233,851; Mar. 4.
Plug: *See*—
Electrical plug. Spark plug.
Refill fuse plug.
Pole-piece assembly for telegraphones. C. A. Lovell, A. H. Muller, and D. E. Wooldridge. 2,233,621; Mar. 4.
Position control system. H. L. Hull. 2,233,415; Mar. 4.
Post for interlocking templets and the like, Marking. L. T. Ellel, E. R. Polley, and M. A. Phillips. 2,233,696; Mar. 4.
Powder puff. D. Topjian. 2,233,686; Mar. 4.
Power line interference in radio receiving hookups, Elimination of. F. E. Bole. 2,233,566; Mar. 4.
Power transmission. J. Robinson. 2,234,009; Mar. 4.
Power transmission, Flexible. P. Landrum. 2,233,539; Mar. 4.
Power transmission mechanism. A. C. Velo. 2,233,720; Mar. 4.
Pressure producing device. H. W. Price. 2,234,008; Mar. 4.
Printing plates, Manufacture of. M. Sorkin. 2,234,133; Mar. 4.
Propeller. W. E. Burnham. 2,234,073; Mar. 4.
Propeller. E. Hawkins. 2,234,120; Mar. 4.
Protector for electric circuits. F. H. Bussmann. 2,234,020; Mar. 4.
Protein compositions, Plasticized. E. M. Kratz. 2,233,891; Mar. 4.
Protein, Manufacture of isolated vegetable. E. Wahlforss and J. A. Satosky. 2,233,439; Mar. 4.
Puller: *See*—
Street lamp puller. Stump puller.
Pulp treatment. E. R. Ramsey. 2,233,641; Mar. 4.
Pump: *See*—
Fluid pump. Rotary pump.
Pump. A. G. Horvath. 2,233,979; Mar. 4.
Pump. R. R. Walsh and E. Morl. 2,233,825; Mar. 4.
Pump liner. W. T. Janney and M. H. Sorensen. 2,234,142; Mar. 4.
Pyrometer, Radiation. G. Lewin. 2,233,788; Mar. 4.
Quinoline compound and making the same. H. Andersag, S. Breitner, and H. Jung. 2,233,970; Mar. 4.
Rack: *See*—
Display and dispensing rack.
Radio receiving circuit. H. P. Kalmus. 2,233,706; Mar. 4.
Rake or cultivator, Adjustable. V. I. Welcome. 2,233,682; Mar. 4.
Range and heater, Electric. H. G. Simpson. 2,234,132; Mar. 4.
Rattle, Child's. F. M. Hoover. 2,234,137; Mar. 4.
Receptacle: *See*—
Garbage and waste receptacle.
Reel: *See*—
Fishing reel.
Reel construction, Knock-down. C. S. Glenny. 2,233,449; Mar. 4.
Refill fuse plug. J. Cree and D. A. Worme. 2,234,024; Mar. 4.
Reflector attachment for shoes. R. R. McKinley. 2,233,544; Mar. 4.
Refractory. J. C. McMullen. 2,234,006; Mar. 4.
Refractory composition for dental molds. C. J. Grossman. 2,233,701; Mar. 4.
Refractory mixture for cast metal molds. C. J. Grossman. 2,233,700; Mar. 4.
Refractory mold material for cast metal products. C. J. Grossman. 2,233,702; Mar. 4.
Refrigerating apparatus. H. J. Mollenberg. 2,233,633; Mar. 4.
Refrigerating apparatus. L. A. Philipp. 2,233,456; Mar. 4.
Refrigeration apparatus. S. M. Anderson. 2,233,827; Mar. 4.
Refrigeration apparatus. J. H. Ashbaugh. 2,233,394; Mar. 4.
Refrigerator. T. Schulström. 2,233,750; Mar. 4.
Refrigerator, Electric. C. E. Eppersón. 2,233,975; Mar. 4.
Regulator: *See*—
Electromagnetic regulator.
Relay control device. A. H. Lamb. 2,233,616; Mar. 4.
Reluctance motor. W. D. Anderson and L. W. Cook. 2,233,933; Mar. 4.
Resetting apparatus. L. E. Whittaker. 2,233,441; Mar. 4.
Resin and producing the same, Crotonic acid-isobutylamine. A. G. Hovey and T. S. Hodgins. 2,233,531; Mar. 4.
Resinous composition and making the same. E. F. Fiedler. 2,233,406; Mar. 4.
Resistance unit. D. F. Hastings. 2,233,450; Mar. 4.

Resistance welding apparatus. D. A. Lamb. 2,233,617; Mar. 4.
Return bends, Making. W. Rieger. 2,233,556; Mar. 4.
Rheostat. W. L. Bliss. 2,234,155; Mar. 4.
Ring: *See*—
Piston ring.
Ring assembly. E. R. Stahl. 2,233,460; Mar. 4.
Riveting. V. H. Pavlecka. 2,233,820; Mar. 4.
Roll, Die. E. A. Weidenmiller. 2,233,688; Mar. 4.
Roll for looms, Temple. R. W. Cutler. 2,233,995; Mar. 4.
Rope, especially harpoon line. C. Christiansen and G. O. K. Rüsch. 2,233,517; Mar. 4.
Rotary pump. J. F. Jaworowski. 2,233,534; Mar. 4.
Rubber and products obtained thereby, Vulcanizing. R. L. Sibley. 2,233,680; Mar. 4.
Ruler. T. Rea. 2,233,715; Mar. 4.
Safety apparatus for boilers. A. G. Blanchard. 2,233,395; Mar. 4.
Safety coupling. J. Piper. 2,233,988; Mar. 4.
Safety wheel. L. R. Lowry, Sr. 2,233,742; Mar. 4.
Salts of nicotinic acid, Aliphatic amine. E. E. Moore. 2,233,419; Mar. 4.
Sausages, Method of and apparatus for making. G. E. Mason. 2,234,054; Mar. 4.
Saw, Power driven hack. J. H. Guiltman. 2,233,603; Mar. 4.
Scent diffuser for costume jewelry, hair combs, and like articles. C. W. Roberts. 2,234,062; Mar. 4.
Scraping implement. D. J. Wallace. 2,233,657; Mar. 4.
Screen: *See*—
Metallic window screen.
Screen and attachment for windows, Roller. J. Pontuck and S. Finkelstein. 2,234,060; Mar. 4.
Screen assembly and manufacture, Fluorescent. R. R. Law. 2,233,786; Mar. 4.
Screw, Stoker coal feed. F. R. Nelson. 2,233,707; Mar. 4.
Screw threaded element. J. B. Hood. 2,233,889; Mar. 4.
Scutching machine. A. F. Burkardt. 2,233,753; Mar. 4.
Seal, Bearing. C. D. Magnesen. 2,233,624; Mar. 4.
Seal, Split oil. J. M. Schmied. 2,233,902; Mar. 4.
Sealing means. W. Gilbert, Sr. 2,233,599; Mar. 4.
Seam for can bodies, Side. J. H. O'Neil. 2,233,549; Mar. 4.
Seat base, Reversible. O. E. Hill. 2,233,478; Mar. 4.
Seat spring. C. H. Graham. 2,233,737; Mar. 4.
Self-dumpling washer. J. L. Boulade. 2,233,803; Mar. 4.
Self-feeding device. O. C. Emrick. 2,234,112; Mar. 4.
Separating apparatus. F. C. Schramm. 2,233,432; Mar. 4.
Separating device. H. Süss. 2,233,855; Mar. 4.
Separator: *See*—
Dust separator. Grain separator.
Serving cabinet. E. M. Griggs. 2,234,115; Mar. 4.
Settling and grit removing apparatus. E. B. Mallory. 2,233,792; Mar. 4.
Sewing machine. O. R. Haas. 2,233,411; Mar. 4.
Sewing machine. N. F. Hopkins and W. A. Bertrand. 2,233,413; Mar. 4.
Sewing machines, Ruffling attachment for. V. J. Sigoda. 2,233,752; Mar. 4.
Shade and method of manufacture, Duplex roller. V. E. Murray. 2,234,058; Mar. 4.
Shade attachment, Window. M. A. Bowerman. 2,234,106; Mar. 4.
Shade pull, Window. W. W. Cecil II, and C. V. Caster. 2,233,516; Mar. 4.
Sharpener, Pencil. N. H. Swanson. 2,233,681; Mar. 4.
Shaver motor. J. D. Miner, Jr., and H. D. Else. 2,233,623; Mar. 4.
Shaving device. M. Andis. 2,233,445–6; Mar. 4.
Shearing machine. H. O. Woody. 2,233,444; Mar. 4.
Sheathing for wooden ironing boards, Foil. U. K. Johannsen. 2,234,143; Mar. 4.
Sheet cutoff and feeding mechanism. C. R. Kaddeland. 2,233,922; Mar. 4.
Sheet handling machine. H. T. Backhouse. 2,233,935; Mar. 4.
Sheet holder. M. Oppenheim. 2,233,550; Mar. 4.
Sheet material. E. M. Kratz, H. Heckel, E. Browning, and E. Gebauer-Fuelnegg. 2,233,885; Mar. 4.
Sheet, Resilient. L. A. Dunajeff. 2,233,592; Mar. 4.
Shelf support channels, Producing metal. A. Vandervold. 2,233,719; Mar. 4.
Sheller plate and concave for threshing machines. M. J. Hunt. 2,234,078; Mar. 4.
Shield for sunglasses or the like, Detachable nose. A. Girouard. 2,233,698; Mar. 4.
Shipping case. M. S. Lopes, Jr. 2,233,671; Mar. 4.
Shock absorbing clutch. A. U. Hook. 2,233,705; Mar. 4.
Shock absorbing mechanism, Friction. R. J. Olander. 2,233,636; Mar. 4.
Shoe. M. Winkel and C. A. Julianelli. 2,234,066; Mar. 4.
Shoe fastening means for sporting appliances as skis, skates, or the like, Sidewnys adjustable. F. G. Tappé. 2,233,856; Mar. 4.
Shoe or the like, Crosshead. L. Richardson. 2,233,457; Mar. 4.
Shoes, Method and machine for shaping the bottom of. F. E. Curtis. 2,233,519; Mar. 4.
Shutter awning, Combination. E. J. Burke. 2,233,515; Mar. 4.
Signal. C. Genda. 2,233,944; Mar. 4.
Signal switch. R. Garland. 2,233,858; Mar. 4.
Signaling, Railway. E. M. Allen. 2,233,932; Mar. 4.
Silo construction. A. H. and B. H. Martin. 2,234,139; Mar. 4.
Slip cover construction. M. Edson. 2,233,864; Mar. 4.
Slitting and winding machine. W. M. Stocker. 2,233,755; Mar. 4.
Socket and jar, Combination rope. R. O. Heater. 2,233,740; Mar. 4.
Socket, Electrical. M. Alden. 2,233,931; Mar. 4.
Socket, Separable. C. B. Moore. 2,234,056; Mar. 4.
Solids and making same, Suspension of. C. S. Howe. 2,233,867; Mar. 4.
Solvent mixtures, Purification of. L. M. Plansoen. 2,233,959; Mar. 4.
Sound arrester at the opening of sound-arresting room. M. Tominaga. 2,233,966; Mar. 4.
Sound recording apparatus. A. G. Zimmerman. 2,233,907; Mar. 4.
Spark arrester (louvered). W. F. Kiesel, Jr. 2,233,613; Mar. 4.
Spark plug. G. C. Barnes. 2,233,660; Mar. 4.
Speed matcher, Automatic. F. H. Gulliksen. 2,233,604; Mar. 4.
Spinning and similar machine. R. E. Northway. 2,233,957; Mar. 4.
Spraying device. E. Davidson. 2,233,836; Mar. 4.
Spreader for pulverized materials. J. D. Rossi. 2,233,678; Mar. 4.
Spring: *See*—
Seat spring.
Stand: *See*—
Display stand.
Stapling machine and tacker, Combination. L. Obstfeld and J. Fancher. 2,233,958; Mar. 4.
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Starter control, Two-stage. M. H. Elkin. 2,233,595; Mar. 4.
Steam generator. B. A. Phillips. 2,233,553; Mar. 4.
Steel, Alloy. L. G. Selmi and C. L. Altenburger. 2,234,130; Mar. 4.
Steel, High creep strength low alloy. H. L. Frevert. 2,234,047; Mar. 4.
Steel, Treating low carbon open hearth. H. R. Belding. 2,233,726; Mar. 4.
Stiffening member for shoes and the like. P. A. Balon and H. S. Holt. 2,233,576; Mar. 4.
Stoker, Chain grate. W. Lloyd. 2,233,542; Mar. 4.
Stool, Folding. C. E. Bucknell. 2,233,806; Mar. 4.
Straightening machine. W. J. Todhunter. 2,233,437; Mar. 4.
Straw buncher and discharge means for combines. V. G. Nebuda. 2,234,081; Mar. 4.
Street lamp puller. J. C. Smith. 2,234,026; Mar. 4.
Strip and joint, Sealing. H. V. Hedeen. 2,234,121; Mar. 4.
Strip coiling machine. R. J. Miller and R. T. Todd. 2,233,547; Mar. 4.
Strip core and the like, Trimming. G. G. Barr. 2,234,136; Mar. 4.
Strip, Method and apparatus for manufacturing metallic. C. G. Herbert. 2,234,153; Mar. 4.
Stuffing box mounting. V. F. Halliburton. 2,234,119; Mar. 4.
Stump puller. R. J. Ramer. 2,233,821; Mar. 4.
Submersible electrical motor. F. M. Mason. 2,233,672; Mar. 4.
Suction type fastener. L. F. Muter. 2,233,870; Mar. 4.
Sulphonates, Producing higher alkyl aromatic. L. H. Flett. 2,233,408; Mar. 4.
Sulphur color derived from substituted aryl carbamic esters. N. M. Bigelow. 2,234,018; Mar. 4.
Sulphur dioxide from gases, Recovery of. R. Lepsoe. 2,233,841; Mar. 4.
Support: *See*—
Ceramic support. Switch box support.
Curtain and shade support.
Supporting and lid operating means for refuse receptacles. C. A. Pines. 2,233,796; Mar. 4.
Suspension means for the driving motors in electric traction vehicles. C. A. Barton. 2,234,070; Mar. 4.
Sweeper, Carpet. J. Stern. 2,233,754; Mar. 4.
Switch: *See*—
Electric switch. Signal switch.
Electrical switch. Thermal switch.
Magnetic switch.
Switch box support. J. Mroziak. 2,233,548; Mar. 4.
System of adaptable elements for temporary or permanent structural framing. J. Scacchetti. 2,233,901; Mar. 4.
Tab device for airing pillows. M. Braff. 2,234,072; Mar. 4.
Table: *See*—
Ironing table.
Table structure, Ironing. H. B. Fay. 2,233,735; Mar. 4.
Taper boring bar. W. J. Busjaeger. 2,234,039; Mar. 4.
Taping machine. J. E. McIntire. 2,233,424; Mar. 4.
Telegraph apparatus, Printing. H. L. Krum. 2,233,667–8; Mar. 4.
Temperature controlling system. I. E. McCabe. 2,233,674; Mar. 4.
Temperature of objects, Controlling the. C. M. Heck. 2,234,122; Mar. 4.
Textile materials and compositions therefor, Softening and finishing of. C. F. Reed. 2,233,676; Mar. 4.
Textile materials, Treatment of. E. H. Sharples. 2,234,091; Mar. 4.

Textile twisting unit. G. Smith. 2,233,645; Mar. 4.
Thermal switch. E. W. Gent. 2,233,884; Mar. 4.
Thickening apparatus. H. A. Linch. 2,233,619; Mar. 4.
Throttle and transmission operating power means for marine craft. C. S. Bragg. 2,234,019; Mar. 4.
Timer. L. J. Armstrong. 2,233,393; Mar. 4.
Timing device. O. Uhl, Jr. 2,233,756; Mar. 4.
Tobacco guide device for cigar making machines. F. H. B. Stelzer. 2,233,494; Mar. 4.
Toilet article. G. N. Nelson. 2,233,895; Mar. 4.
Tool: *See*—
Abrasive tool.
Buffing or cleaning tool.
Cutting tool.
Electrically reciprocated tool.
Machine tool.
Metal bending tool.
Tool-feeding mechanism for lathes. W. F. Groene. 2,233,977; Mar. 4.
Tools, Loading and unloading of work in machine. M. F. Campbell. 2,233,993; Mar. 4.
Toothbrush, Sanitary. M. O. Burke. 2,233,831; Mar. 4.
Torque meter, Resilient. E. S. Taylor. 2,233,408; Mar. 4.
Towel side release device, Continuous. J. Wilkinson. 2,234,067; Mar. 4.
Tower, Caustic-ing. M. B. Mount. 2,234,057; Mar. 4.
Toy airplane. G. Stout. 2,234,095; Mar. 4.
Toy and confection holder, Combined. V. Pizzarelli. 2,233,640; Mar. 4.
Toy boat. W. F. Clarke. 2,233,693; Mar. 4.
Trailer truck. K. J. W. Freitag. 2,233,697; Mar. 4.
Transfer sheet for shading surfaces. T. L. Maddock. 2,233,791; Mar. 4.
Transformer with contact-ring current collector, Regulating. G. Leitschner. 2,233,842; Mar. 4.
Transmission control. H. E. Hruska. 2,234,003; Mar. 4.
Transmitter. F. Kaeser. 2,233,453; Mar. 4.
Tray, Ash. F. Kohn, née Meier. 2,234,053; Mar. 4.
Treatment machine. L. J. Andres. 2,234,101; Mar. 4.
Triazoles. K. Brodersen and M. Quaedvlieg. 2,233,805; Mar. 4.
Truck, Eight-wheel. E. Latshaw. 2,233,541; Mar. 4.
Truck, Lifting. W. Zeindler. 2,233,561; Mar. 4.
Truck, Railway. D. S. Barrows. 2,233,972; Mar. 4.
Tube: *See*—
Combustion tube.
Packaged tube.
Tufting device. M. Dublick. 2,233,997; Mar. 4.
Turbine gasoline engine. E. Carlson. 2,234,074; Mar. 4.
Turning machine. T. F. Carlin. 2,233,398; Mar. 4.
Tuning instrument and mechanical setting therefor, Combined. J. H. Teuf and A. G. Shafer. 2,233,651; Mar. 4.
Tuning structure. R. B. Ayer. 2,233,763; Mar. 4.
2,3,4,5 tetrahydrothiophene-1,1-dioxide, Production of. M. W. Farlow. 2,233,999; Mar. 4.
Typewriter feed roll and the like. R. O. Miller. 2,233,955; Mar. 4.
Typewriting machine. A. G. F. Kurowski. 2,233,940; Mar. 4.
Typewriting machine. W. T. Sagner. 2,233,989; Mar. 4.
Underground structures, Solidifying. R. R. Proctor. 2,233,872; Mar. 4.
Unit feeding apparatus and parts thereof. M. I. Ayers. 2,233,466; Mar. 4.
Uprooting implement. C. P. Bohland and C. E. Bublitz. 2,233,908; Mar. 4.
Utensil, Drafting. R. Kuehl. 2,233,481; Mar. 4.
Valve: *See*—
Dispensing valve.
Liquid control valve.
Lather dispensing valve.
Valve. F. Luena. 2,234,052; Mar. 4.
Valve. L. W. Stahl and G. W. Walton. 2,233,649; Mar. 4.
Valve construction. C. Groen. 2,234,048; Mar. 4.
Valve device. B. Mayer. 2,234,073; Mar. 4.
Valve device, Double-acting check. W. Ernst and G. M. Geiger. 2,233,521; Mar. 4.
Valve device, Mixing. F. A. Parsons. 2,233,871; Mar. 4.
Valve for sheet handling machines, Cylindrical. H. T. Backhouse. 2,233,934; Mar. 4.
Valve mechanism. I. L. Shogran. 2,233,717; Mar. 4.
Valve mechanism, Thermostat. F. H. Schoenfeld. 2,233,679; Mar. 4.
Vane, High-speed inlet. M. S. Kice, Jr. 2,233,983; Mar. 4.
Vaporizer, Electrical. J. Robinson. 2,233,431; Mar. 4.
Vault, Burial. F. Hola. 2,234,141; Mar. 4.
Vehicle: *See*—
Child's vehicle.
Vehicle and controlling device therefor. L. J. Dellert. 2,234,025; Mar. 4.
Vertical bearing. E. C. Ballman. 2,233,880; Mar. 4.
Vibrator. L. J. Andres. 2,234,102; Mar. 4.
Vise. W. Wertz. 2,233,760; Mar. 4.
Visual indicator for radio course. C. S. Cockerell. 2,234,023; Mar. 4.
Vitamin C, Preparing. C. G. King and W. A. Waugh. 2,233,417; Mar. 4.
Vocal defects and the vocal organs, Treatment of. E. Azaretti. 2,233,506; Mar. 4.
Vortex eliminator in air handling apparatus. T. A. Walters. 2,233,991; Mar. 4.
Wall opening construction. J. Dworetz. 2,234,043; Mar. 4.
Wall washing apparatus. G. Moberg. 2,233,632; Mar. 4.
Warp stop motion. W. F. Penland. 2,233,552; Mar. 4.
Washer: *See*—
Fruit and vegetable washer.
Self-dumping washer.
Washing machine. M. A. Big. 2,233,577; Mar. 4.
Washing machine cabinet. M. S. Vincent. 2,234,014; Mar. 4.
Washing, rinsing, and drying apparatus. J. White. 2,233,968; Mar. 4.
Wax, rosin, and the like, Delivering and diluting aqueous dispersions of. F. Strovink. 2,234,065; Mar. 4.
Weeder. M. M. Simpson. 2,233,491; Mar. 4.
Weft straightening device. G. Smiley. 2,233,644; Mar. 4.
Welding. L. J. Larson. 2,233,455; Mar. 4.
Welding control system. G. Hagedorn, E. Luxer, and E. G. Wahl. 2,234,117; Mar. 4.
Welding electrode assembly for welding machines. L. E. Nichols. 2,233,897; Mar. 4.
Wells, Method of and apparatus for surveying. R. D. Wyckoff. 2,233,992; Mar. 4.
Welt retainer. H. M. Colditz and O. Michalk. 2,233,834; Mar. 4.
Welting, Making. W. C. Visard. 2,233,563; Mar. 4.
Wetting agent in cyanidation. S. A. Falconer and R. B. Booth. 2,234,140; Mar. 4.
Wheel: *See*—
Safety wheel.
Wheel and tire therefor, Band saw. C. E. Tannewitz. 2,233,562; Mar. 4.
Wheelbarrow. G. O. Osterkamp. 2,233,710; Mar. 4.
Winch control. R. K. Hatch. 2,233,793; Mar. 4.
Windshield, Automobile. C. E. Norton. 2,233,708; Mar. 4.
Windshield cleaning system. E. C. Hodson. 2,233,815; Mar. 4.
Window construction. J. Sebunk. 2,233,643; Mar. 4.
Window frame construction. S. G. Lipsett. 2,233,952; Mar. 4.
Wing rib, Pressed. R. J. Woods. 2,233,969; Mar. 4.
Wiper, Windshield. R. A. Anderson and J. E. Reeve. 2,234,161; Mar. 4.
Wire shaving process and fixture. C. E. Weaver. 2,233,928; Mar. 4.
Workpieces, Making tubular. S. Findlater. 2,233,736; Mar. 4.
Wringer and the like, Power. W. L. Kaufman, II. 2,234,145; Mar. 4.
Writing machine attachment. R. Dow. 2,233,775; Mar. 4.
Yarn-end handling device. R. Grill. 2,233,738; Mar. 4.
Zinc, Electroplating. L. R. Westbrook. 2,233,500; Mar. 4.

CLASSIFICATION OF PATENTS

ISSUED MARCH 4, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ace Lubricating Equipment Co., Detroit, Mich. Automatic self-feeding greasing cups. Serial No. 438,784; Mar. 11. Class 23.

Acme Distributing Co., Inc., doing business as Acme Distributing Co., Pasadena, Calif. Wines. Serial No. 439,184; Mar. 11. Class 47.

Addison-Proctor Company. (See Wigler, Albert I.)

Alba Pharmaceutical Company, Inc., New York, N. Y. Systemic alkalizing preparation. Serial No. 439,916; Mar. 11. Class 6.

All American Meat & Bone Cutter Co., Los Angeles, Calif. Meat and bone cutting machines. Serial No. 438,564; Mar. 11. Class 23.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Infants' portable bathing devices—namely, tables, shower enclosures, and bathing hammocks, etc. Serial No. 436,159; Mar. 11. Class 32.

Allied Stores Corporation, Wilmington, Del., doing business as the Bon Marche, Seattle, Wash. Sheets and pillow cases. Serial No. 436,196; Mar. 11. Class 42.

Amend, Fred W., Co., Danville, Ill. Candy. Serial No. 437,986; Mar. 11. Class 46.

Annetta Dresses Inc., New York, N. Y. Dresses and dress ensembles. Serial No. 436,402; Mar. 11. Class 39.

Arkansas Company, Inc., Newark, N. J. Chemical preparation. Serial No. 439,065; Mar. 11. Class 6.

Arlette, Inc., Bloomfield, N. J. Permanent waving pads for application to the hair. Serial No. 439,453; Mar. 11. Class 44.

Armstrong Cork Company, Lancaster, Pa. Architectural wall panels. Serial No. 426,513; Mar. 11. Class 12.

Arrow Ca-Ta-Lite Company, Inc., Boston, Mass. Fluorescent lamp fixtures. Serial No. 438,296; Mar. 11. Class 21.

Baack, Herman, New York, N. Y. Cosmetic cream. Serial No. 439,958; Mar. 11. Class 6.

Babson Bros. Co., Chicago, Ill. Electric fence charging apparatus and equipment. Serial No. 439,190; Mar. 11. Class 21.

Banner Packing Co. (See General Laboratories, Inc.)

Barber Asphalt Corporation, Barber, N. J. Bituminous composition roofing, bituminous roof cement, etc. Serial No. 427,492; Mar. 11. Class 12.

Barta-Griffin Company, Worcester, Mass. Printing inks and dryers for printing inks. Serial No. 434,773; Mar. 11. Class 11.

Bassetti, A., doing business as Party Pride Packing Co., and Party Pride Canning Co., Mountain View, Calif. Prepared foods. Serial No. 434,695; Mar. 11. Class 46.

Herst-Forster-Dixfield Company, New York, N. Y. Paper food dishes. Serial No. 439,575; Mar. 11. Class 2.

Binney & Smith Company, New York, N. Y. Carbon black for use in rubber industry. Serial No. 439,404–5; Mar. 11. Class 6.

Blankson Clothes, Inc., New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 439,090; Mar. 11. Class 39.

Blue Swan Mills, Inc., New York, N. Y. Underwear. Serial No. 439,428; Mar. 11. Class 39.

Bon Marche, The. (See Allied Stores Corporation.)

Boston Knitting Mills, Inc., Newton, Mass. Underwear. Serial No. 439,511; Mar. 11. Class 39.

Bradley, Milton, Company, Springfield, Mass. Table game. Serial No. 440,113; Mar. 11. Class 22.

Breon, George A., & Company, Incorporated, Kansas City, Mo. Vitamin tablets. Serial No. 440,144; Mar. 11. Class 6.

Brian Fabrics Corporation, New York, N. Y. Scarfs. Serial No. 439,406; Mar. 11. Class 39.

Bucyrus-Erie Company, South Milwaukee, Wis. Land leveling and material handling attachments for tractors. Serial No. 435,605; Mar. 11. Class 23.

Calkins Manufacturing Company, Spokane, Wash. Rotary weeders. Serial No. 438,500; Mar. 11. Class 23.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 439,925; Mar. 11. Class 42.

Clairol, Inc., New York, N. Y. Lotions, creams, chemically treated pads, etc. Serial Nos. 434,969–70; Mar. 11. Class 6.

Cleveland Heater Company, The, Cleveland, Ohio. Hot water heaters, water storage heaters and their structural parts. Serial No. 413,774; Mar. 11. Class 34.

Climax Reflector, Inc., Cleveland, Ohio. Incandescent electric lamps and lighting units. Serial No. 436,462; Mar. 11. Class 21.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Scripts for a series of commercial broadcasts. Serial No. 432,425; Mar. 11. Class 38.

Comyns, Erle J., doing business as True Fruit Concentrate Co., Los Angeles, Calif. Gelatin desserts. Serial No. 435,866; Mar. 11. Class 46.

Cortne Optical Co., Inc., New York, N. Y. Spectacle frames and optical frames and mountings. Serial No. 439,459; Mar. 11. Class 26.

Curtiss Candy Company, The, Chicago, Ill. Chocolate flavored powder to be used with sweet milk and the like for making beverages. Serial No. 436,504; Mar. 11. Class 46.

Daniel, Jack, Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskey. Serial No. 429,345; Mar. 11. Class 49.

Denver Equipment Company, Denver, Colo. Finished iron and iron alloy castings and machine parts. Serial No. 436,923; Mar. 11. Class 23.

Donna Citrus Association, Donna, Tex. Citrus fruits. Serial No. 436,759; Mar. 11. Class 46.

Dorn & Kirschner Band Instrument Co., Inc., Newark, N. J. Stringed musical instruments, woodwind and metal wind instruments, etc. Serial No. 436,760; Mar. 11. Class 36.

Doyle, Dewey I., doing business as Doyle Vacuum Cleaner Co., Grand Rapids, Mich. Cleaning fluid kits containing liquid chemicals for removing spots, etc. Serial No. 438,380; Mar. 11. Class 4.

Doyle, Dewey I., doing business as Doyle Vacuum Cleaner Co., Grand Rapids, Mich. Electrical vacuum cleaners. Serial No. 438,381; Mar. 11. Class 21.

Doyle Packing Company, Los Angeles, Calif. Canned dog food. Serial No. 438,382; Mar. 11. Class 46.

Dupree, Samuel F., Jr., Beverly Hills, Calif. Charts for use in calculating the life of brake linings. Serial No. 432,811; Mar. 11. Class 26.

Dutchess Underwear Corporation, New York, N. Y. Dresses. Serial No. 432,433; Mar. 11. Class 39.

Eagle Pencil Company, New York, N. Y. Lead pencils. Serial No. 438,835; Mar. 11. Class 37.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic chemicals. Serial No. 439,097; Mar. 11. Class 6.

Ehrman, Samuel, Co., Inc., New York, N. Y. Fabrics in the piece. Serial No. 439,386; Mar. 11. Class 42.

Engineering and Research Corporation, Riverdale, Md. Airplanes. Serial No. 435,839; Mar. 11. Class 19.

Ethiogienic Laboratories. (See Rothenburg, Myrtle W.)

Featherstone, Harry W., doing business as H. W. Featherstone & Co., Worcester, Mass. Special chemical preparation for textile fabrics, and a vehicle for rendering colors fast. Serial No. 439,305; Mar. 11. Class 6.

Flexible Steel Lacing Company, Chicago, Ill. Wrenches, boring bits, punches, etc. Serial No. 433,564; Mar. 11. Class 23.

Foote & Jenks, Inc., Jackson, Mich. Maltless beverage, sold as soft drink and sirup and extract for making the same. Serial No. 439,964; Mar. 11. Class 45.

Freeda Agar Products, New York, N. Y. Vitamin capsules and tablets. Serial No. 439,438; Mar. 11. Class 6.

Freydberg Bros., Inc., Stamford, Conn., and New York, N. Y. Thread. Serial No. 437,722; Mar. 11. Class 43.

Gem Packing Corporation, Brooklyn, N. Y. Canned vegetable oil for cooking use. Serial No. 439,016; Mar. 11. Class 46.

General Laboratories, Inc., doing business as Banner Packing Co., Des Moines, Iowa. Dog food. Serial No. 439,102; Mar. 11. Class 46.

General Latex and Chemical Corporation, Cambridge, Mass. Rubber latex in natural dilute or concentrated form. Serial No. 439,020; Mar. 11. Class 1.

Giuliani, A., & Bro., San Francisco, Calif. Bottled products: olive oil, hearts of artichokes, etc. Serial No. 438,129; Mar. 11. Class 46.

Goldsmith Brothers Manufacturing Co., Inc., New York, N. Y. Handbags. Serial No. 440,091; Mar. 11. Class 3.

Goldstein, David, doing business as Hungarian Bakers, New York, N. Y. Candies, chocolates, jams, and jellies. Serial No. 426,614; Mar. 11. Class 46.

Goodwinol Products Corporation, New York, N. Y. Ointment for the treatment of mange in animals. Serial No. 440,122; Mar. 11. Class 6.

Gristede Bros. Inc., New York, N. Y. Gin and whiskey. Serial No. 417,456; Mar. 11. Class 49.

Grove Milk Company, The, Columbus Grove, Ohio. Canned evaporated milk. Serial No. 434,893; Mar. 11. Class 46.

Hakans Food Co., San Francisco, Calif. Salads. Serial No. 436,845; Mar. 11. Class 46.

Hall-Watson Company, Inc., The, New York, N. Y. Self-polishing wax, lacquer and terrazzo seal. Serial No. 439,273; Mar. 11. Class 16.

Hall-Watson Company, Inc., The, New York, N. Y. Soaps and a cleaning powder. Serial No. 439,274; Mar. 11. Class 4.

Harris-Seybold-Potter Company, Cleveland, Ohio. Printing and lithographing inks, extenders, and pigments. Serial No. 438,983; Mar. 11. Class 11.

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruit juices. Serial No. 410,787; Mar. 11. Class 46.
Helm, Christ, Chicago, Ill. Bakery and food products. Serial No. 423,285; Mar. 11. Class 46.
Henkel-Clauss Company, The, Fremont, Ohio. Flower-holding shears. Serial No. 439,441; Mar. 11. Class 23.
Hungarian Bakers. (See Goldstein, David.)
Hydraulic Controls, Inc., Chicago, Ill. Fluid control devices and fluid systems for the control and actuation of other mechanical devices, etc. Serial No. 437,681; Mar. 11. Class 22.
Idaho Falls Warehouse Company, doing business as Idaho Falls Bonded Warehouse Co., Idaho Falls, Idaho. Potatoes in their natural state. Serial No. 438,136; Mar. 11. Class 46.
Indium Corporation of America, The, Utica, N. Y. Metallic indium, indium alloys with non-ferrous metals, indium amalgams. Serial No. 438,479; Mar. 11. Class 14.
Inertol Company, Inc., New York, N. Y. Waterproofing and protective paint or enamel coating. Serial No. 438,481; Mar. 11. Class 16.
Injection Moulding Corportion, New York, N. Y. Hair clasps, hair barrettes, combs, etc. Serial No. 431,247; Mar. 11. Class 40.
Isaac, Max, New York, N. Y. Dresses. Serial No. 437,090; Mar. 11. Class 39.
Jackson, Roscoe B., Memorial Laboratory, Bar Harbor, Maine. Mice. Serial No. 438,618; Mar. 11. Class 1.
Jordan Electrical Manufacturing Company, Minneapolis, Minn. Storage battery chargers. Serial No. 439,467; Mar. 11. Class 21.
Jung, L. E., & Wulf Co., Inc., New Orleans, La. Distilled alcoholic liquors. Serial No. 438,886; Mar. 11. Class 49.
Karavedas, Danes, doing business as New Gold Beverage Co., Baltimore, Md. Malt-less beverages. Serial No. 439,067; Mar. 11. Class 45.
Kelray Knitting Mills. (See Krumholz & Lichtblau.)
Kenyon Instrument Co. Inc., Huntington Station, Long Island, N. Y. Ammunition rounds counter assemblies for aircraft machine gun installations, marine speedometers, marine speedometer-logs, etc. Serial No. 437,003; Mar. 11. Class 26.
Kleinert, I. B., Rubber Company, New York, N. Y. Girdles, corsets, and foundation garments. Serial No. 439,199; Mar. 11. Class 39.
Knoxville Glove Company, Knoxville, Tenn. Gloves. Serial No. 439,284; Mar. 11. Class 39.
Koenigsberger, Franz, New York, N. Y. Toilet water, eau de cologne, perfumes, etc. Serial No. 439,414; Mar. 11. Class 6.
Krumholz & Lichtblau, doing business as Kelray Knitting Mills, New York, N. Y. Panties, slips, bloomers, etc. Serial No. 438,846; Mar. 11. Class 39.
Lacasta, Eduardo Stichaner, Olhao, Portugal. Fish conserves. Serial No. 432,645; Mar. 11. Class 46.
Lee, Frank H., Company, The, Danbury, Conn. Hats. Serial No. 431,063; Mar. 11. Class 39.
Lesser Bag Inc., New York, N. Y. Handbags and pocketbooks. Serial No. 439,940; Mar. 11. Class 3.
Lever Brothers Company, Cambridge, Mass. Vegetable shortening. Serial No. 401,441; Mar. 11. Class 46.
Linco Products Corporation, Chicago, Ill. Periodical program skits for radio. Serial No. 438,245; Mar. 11. Class 38.
Linette Co. (See Lubow, Hyman.)
Lisner, D., & Co., Inc., New York, N. Y. Jewelry for personal wear. Serial No. 439,351; Mar. 11. Class 28.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 438,076; Mar. 11. Class 46.
Lubow, Hyman, doing business as the Linette Co., New York, N. Y. Cotton and linen piece goods. Serial No. 439,659; Mar. 11. Class 42.
Mack, Harold L., doing business as Mack Dental Co., Monterey, Calif. Dentifrice. Serial No. 440,012; Mar. 11. Class 6.
Micro Switch Corporation, Freeport, Ill. Overload and overheat protectors for electric motors and for circuit controlling protectors for electric apparatus and power translating devices. Serial No. 439,354; Mar. 11. Class 21.
Micromatic Hone Corporation, Detroit, Mich. Adjustable honing machines and for tools for adjusting the hones of honing machines. Serial No. 439,293; Mar. 11. Class 23.
Miller Company, The, Meriden, Conn. Electric table and floor lamps. Serial No. 432,829; Mar. 11. Class 21.
Mitchell & Weber, Inc., New York, N. Y. Blouses, dresses, housecoats, etc. Serial No. 439,487; Mar. 11. Class 39.
Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Carpets and rugs. Serial No. 439,943; Mar. 11. Class 42.
Monitor Controller Company, Baltimore, Md. Switching and controlling devices for electric circuits. Serial No. 431,784; Mar. 11. Class 21.
Montgomery, Wm., Company, Philadelphia, Pa. Ammonia and bluing. Serial No. 439,309; Mar. 11. Class 6.
Moore Grocery Co., doing business as Sledge Manufacturing Co., Tyler, Tex. Overalls and playsuits. Serial No. 439,760; Mar. 11. Class 39.
Mosinger Brothers, St. Louis, Mo. Shoes. Serial No. 435,725; Mar. 11. Class 39.
Mustad, O. & Son, Oslo, Norway. Fish hooks. Serial No. 426,212; Mar. 11. Class 22.
National Carbon Company, Inc., New York, N. Y. Shower curtains. Serial No. 438,950; Mar. 11. Class 13.
New Gold Beverage Co. (See Karavedas, Danes.)
New Wrinkle, Inc., Dayton, Ohio. Paints, paint enamels, and varnishes. Serial No. 436,279; Mar. 11. Class 16.
Optikotechna, spolechnost s r. o., Prerov, Prerov, Protectorate of Boheimia and Moravia. Photographic cameras, motion picture cameras, enlarging apparatus, projectors. Serial Nos. 426,902-4; Mar. 11. Class 26.
Optimus Pharmaceuticals Company, Inc., Taylors, S. C. Medicinal preparation. Serial No. 439,122; Mar. 11. Class 6.
Otte, Werner F., New York, N. Y. Board game played with movable pieces. Serial No. 440,054; Mar. 11. Class 22.
Pacific Knitting Mills, Incorporated, Los Angeles, Calif. Outing and swimming garments, etc. Serial No. 438,051; Mar. 11. Class 39.
Paper and Industrial Appliances, Inc., New York, N. Y. Abrasive inserts or segments for refiners or other grinding apparatus for paper fibers or pulp. Serial No. 438,350; Mar. 11. Class 4.
Party Pride Canning Co. (See Bassetti, A.)
Party Pride Packing Co. (See Bassetti, A.)
Patti, Rosario, doing business as Patti Products, Geneva, N. Y. Washing fluid. Serial No. 434,159; Mar. 11. Class 4.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Table syrup. Serial No. 439,470; Mar. 11. Class 46.
Penney, J. C., Company, New York, N. Y., and Wilmington, Del. Blankets. Serial No. 439,397; Mar. 11. Class 42.
Penney, J. C., Company, New York, N. Y., and Wilmington, Del. Cotton piece goods. Serial No. 439,973; Mar. 11. Class 42.
Petri Cigar Company, Inc., doing business as Petri Wine Company, San Francisco, Calif. Wines. Serial No. 439,054-5; Mar. 11. Class 47.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Ovarian hormone preparation. Serial No. 439,472; Mar. 11. Class 6.
Prudential Insurance Company of America, The, Newark, N. J. Scripts for a series of commercial broadcasts. Serial No. 432,777; Mar. 11. Class 38.
Rap-I-Dol Distributing Corporation, New York, N. Y. Shampoo tint, skin lotion and powder base, etc. Serial No. 439,175; Mar. 11. Class 6.
Riverbank Canning Company, Riverbank, Calif. Canned vegetables and canned tomato paste. Serial No. 438,629; Mar. 11. Class 46.
Rothenburg, Myrtle W., doing business as Ethogienic Laboratories, Opelika, Ala. Powder for vaginal irrigation. Serial No. 440,024; Mar. 11. Class 6.
Royersford Spring Company, Royersford, Pa. Vehicle-seat and furniture springs. Serial No. 439,668; Mar. 11. Class 32.
Rubinstein, Helena, Inc., New York, N. Y. Lipsticks. Serial No. 439,419; Mar. 11. Class 6.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 439,367; Mar. 11. Class 6.
Schuylkill Chemical Company, Philadelphia, Pa. Plant stimulant. Serial No. 439,835; Mar. 11. Class 10.
Scientific Concrete Service Corporation, Washington, D. C. Prepared concrete. Serial No. 412,160; Mar. 11. Class 12.
Sears, Roebuck and Co., Chicago, Ill. Wallpaper hangers' tool kits. Serial No. 432,785; Mar. 11. Class 23.
Shield Foods, Inc., Buffalo, N. Y. Canned fruits and vegetables. Serial No. 438,814; Mar. 11. Class 46.
Silkiln Paper Corporation, San Francisco, Calif. Paper napkins. Serial No. 436,704; Mar. 11. Class 37.
Sledge Manufacturing Co. (See Moore Grocery Co.)
Smith, George L., Rock Island, Ill. Apples. Serial No. 438,219; Mar. 11. Class 46.
Spalding Sales Corporation, Chicopee, Mass. Golf clubs. Serial No. 438,834; Mar. 11. Class 22.
Springfield Leather Products Company, Springfield, Ohio. Billfolds. Serial No. 439,842; Mar. 11. Class 3.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Apparatus for determining fluid pressure on surfaces, apparatus for determining torque in rotating equipments. Serial No. 439,637; Mar. 11. Class 26.
Stone Mill Fabrics Corporation, New York, N. Y. Fabrics of the type known as poplins. Serial No. 427,728; Mar. 11. Class 42.
Street & Smith Publications, Inc., New York, N. Y. Articles published at intervals. Serial No. 436,740; Mar. 11. Class 38.
Styron Beggs Company, The, Newark, Ohio. Oils for food flavoring purposes, and food flavoring extracts. Serial No. 434,852; Mar. 11. Class 46.
Superior Paper Products Company, Robinson Township, Allegheny County, Pa. Corrugated paper shipping containers. Serial No. 439,257; Mar. 11. Class 2.
Superior Sleeprite Corporation, Chicago, Ill. Tables and chairs. Serial No. 438,671; Mar. 11. Class 32.
Talk-A-Vision Inc., New York, N. Y. Coin operated moving picture machines. Serial No. 439,348; Mar. 11. Class 26.
Tellis Blanche M., Chicago, Ill. Scripts for a series of radio broadcasts. Serial No. 437,186; Mar. 11. Class 38.

Tersch Patents and Chemicals Inc., New York, N. Y. Insecticides. Serial No. 439,243; Mar. 11. Class 6.
Trabert & Hoeffer Inc., New York, N. Y. Sapphires and precious stones. Serial No. 437,920; Mar. 11. Class 28.
Trabert & Hoeffer Inc., New York, N. Y. Rubies and precious stones. Serial No. 437,921; Mar. 11. Class 28.
Trend Clocks, Zeeland, Mich. Clocks. Serial No. 438,673; Mar. 11. Class 27.
True Fruit Concentrate Co. (See Comyns, E. J.)
Tuferete Company, Des Moines, Iowa. Liquid bituminous emulsion composition. Serial No. 436,103; Mar. 11. Class 12.
Tweedie, Charles, Jefferson City, Mo. Hand protectors for use by golfers and others. Serial No. 439,881; Mar. 11. Class 22.
Ulrich, William P., Spokane, Wash. Baseball game comprising a deck of cards. Serial No. 439,644; Mar. 11. Class 22.
United Cigar-Whelan Stores Corporation, New York, N. Y. Vitamin tonic. Serial No. 439,502; Mar. 11. Class 6.
United Cigar-Whelan Stores Corporation, New York, N. Y. Vitamin B elixir. Serial No. 439,503; Mar. 11. Class 6.
United Cigar-Whelan Stores Corporation, New York, N. Y. Cough syrup. Serial No. 439,505; Mar. 11. Class 6.
United Cigar-Whelan Stores Corporation, New York, N. Y. Cough medicine. Serial No. 439,506; Mar. 11. Class 6.
United Shoe Machinery Corporation, Boston, Mass. Eyelets. Serial No. 438,782; Mar. 11. Class 13.
United States Paper Corp., Chicago, Ill. Color selector. Serial No. 439,372; Mar. 11. Class 26.
Victore, Albert E., Chicago, Ill. Cleaner for fabrics. Serial No. 435,990; Mar. 11. Class 4.
Weinstein Co., Inc., San Francisco, Calif. Hosiery, pajamas, nightgowns, etc. Serial No. 439,851; Mar. 11. Class 39.
Wenzel, H., Tent & Duck Company, St. Louis, Mo. Treated tarpaulins, truck covers, wagon covers, tents, etc. Serial No. 438,365; Mar. 11. Class 50.
White, Everett H., doing business as White Manufacturing Company, St. Paul, Minn. Electrically operated heat regulators. Serial No. 413,462; Mar. 11. Class 21.
Wigler, Albert I., doing business as Addison-Proctor Company, Newark, N. J. Belt dressing, dry cleaner preparation, hand soap cleaner, etc. Serial No. 436,785; Mar. 11. Class 4.
Wisconsin Orchards, Inc., Gays Mills, Wis. Apples. Serial No. 414,020; Mar. 11. Class 46.
Woodward, Raymond W., West Hartford, Conn. Radio tuning instruments. Serial No. 424,452; Mar. 11. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbotts Dairies, Incorporated, Philadelphia, Pa. Cream cheese. 385,657; Mar. 11; Serial No. 437,051; published Dec. 31, 1940. Class 46.
Aitchison, Robert B., assignor to Rapid Mfg. Co., Glendale, Calif. Hack saw frames. 385,617; Mar. 11; Serial No. 436,459; published Dec. 24, 1940. Class 23.
Allen Calculators, Incorporated, New York, N. Y. Adding machines, calculators, cash registering machines, etc. 385,558; Mar. 11; Serial No. 425,217; published Feb. 6, 1940. Class 26.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Diapers, shirts, nightgowns, etc. 385,605; Mar. 11; Serial No. 436,158; published Dec. 24, 1940. Class 39.
American Beef Company. (See Ready Foods Company, Inc.)
American Reenforced Paper Company, Attleboro, Mass. Reinforced paper for wrapping and packaging. 140,313; renewed Mar. 15, 1941.
American Tobacco Company, The, New York, N. Y. Cigars. 385,562; Mar. 11; Serial No. 428,720; published Dec. 31, 1940. Class 17.
American Tool & Machine Co., Hyde Park, Mass. Sugar mixing machines. 385,622; Mar. 11; Serial No. 436,557; published Dec. 24, 1940. Class 23.
Anaconda Wire & Cable Company, New York, N. Y. Insulated electrical wire and cable. 385,746; Mar. 11. Class 21.
Aster Flower Co. (See Fingerhut, Abraham.)
Atlantic Zinc Works, Brooklyn, N. Y. Brass, copper, bronze, etc. 385,710; Mar. 11. Class 14.
Babbitt, B. T., Inc., New York, assignor to B. T. Babbitt, Inc., Albany, N. Y. Caustic soda. 140,740; renewed Mar. 29, 1941.
Bailey, Green & Elger, Inc., New York, N. Y. Buttons, buckles, and ornamental dress clips. 385,642; Mar. 11; Serial No. 436,831; published Dec. 31, 1940. Class 40.
Barok, George D., Columbus, Ohio. Punch boards. 385,639; Mar. 11; Serial No. 436,796; published Dec. 24, 1940. Class 22.
Basic Industries, Incorporated, Chicago, Ill. Food compound. 385,723; Mar. 11. Class 46.
Batesville Casket Co., The, Batesville, Ind. Burial caskets. 385,693; Mar. 11; Serial No. 437,547; published Dec. 31, 1940. Class 2.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses, ophthalmic mountings, microscopes, etc. 385,659; Mar. 11; Serial No. 437,079; published Dec. 24, 1940. Class 26.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings. 385,660; Mar. 11; Serial No. 437,080; published Dec. 24, 1940. Class 26.
Becker Cloak Co., Inc., New York, N. Y. Coats. 385,741; Mar. 11. Class 39.
Belco Exhaust Fan Mfg. Co. (See Belter, George J.)
Belter, George J., doing business as Belco Exhaust Fan Mfg. Co., St. Louis, Mo. Exhaust fans and ventilating fans. 385,587; Mar. 11; Serial No. 435,115; published Dec. 31, 1940. Class 34.
Berger Hosiery Company Incorporated, Philadelphia, Pa. Brassieres. 385,682; Mar. 11; Serial No. 437,429; published Dec. 31, 1940. Class 39.
Berst-Forster-Dixfield Company, New York, N. Y. Matches. 385,679; Mar. 11; Serial No. 437,364; published Dec. 31, 1940. Class 9.
Best Blades, Inc., Newark, N. J. Razor blades. 385,718; Mar. 11. Class 23.
Betmar Hats, Inc., New York, N. Y. Hats. 385,634; Mar. 11; Serial No. 436,755; published Dec. 24, 1940. Class 39.
Bi-Rite Stores. (See Signal Oil and Gas Company.)
Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper. 385,663; Mar. 11; Serial No. 437,117; published Dec. 24, 1940. Class 23.
Boas, Charles, New York, N. Y. Jute webbing. 385,661; Mar. 11; Serial No. 437,081; published Dec. 31, 1940. Class 50.
Bon Marche, The. (See Allied Stories Corporation.)
Bostwick Steel Lath Company, The, Niles, Ohio. Steel studding, for buildings and parts thereof. 385,708; Mar. 11. Class 12.
Botany Worsted Mills, Passaic, N. J. Piece goods. 385,683; Mar. 11; Serial No. 437,431; published Dec. 31, 1940. Class 42.
Boye Needle Company, The, Chicago, Ill. Knitting pins and crochet hooks. 385,579; Mar. 11; Serial No. 434,265; published Dec. 24, 1940. Class 40.
Bradford Dyeing Association (U. S. A.), Bradford, R. I. Piece goods. 385,598; Mar. 11; Serial No. 435,828; published Dec. 31, 1940. Class 42.
Brillo Manufacturing Company, Inc., New York, N. Y. Soaps, cleaning, scouring and polishing wads, pads, etc. 385,555; Mar. 11; Serial No. 423,288; published Dec. 31, 1940. Class 4.
Brittany Hat Co., Inc., The, New York, N. Y. Hats and sweatbands. 385,629; Mar. 11; Serial No. 436,685; published Dec. 31, 1940. Class 39.
Brown, L. L., Paper Company, Adams, Mass. Writing-paper. 144,357; renewed July 5, 1941.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Refrigerated beverage coolers, Electrically. 385,719; Mar. 11. Class 31.
Burger, Joseph, New York, N. Y. Shoes. 385,565; Mar. 11; Serial No. 429,933; published Dec. 17, 1940. Class 39.
Burgess Battery Company, Chicago, Ill. Flashlights and flashlight cases. 385,678; Mar. 11; Serial No. 437,333; published Dec. 31, 1940. Class 21.
Burriss-Hanks Company, Alhambra, Calif. Educational board game. 385,664; Mar. 11; Serial No. 437,120; published Dec. 31, 1940. Class 22.
Cameron, Wm., & Co., Inc., Waco, Tex. Venetian blinds. 385,701-2; Mar. 11; Serial Nos. 437,807-8; published Dec. 31, 1940. Class 32.
Canute Co., The. (See Hurwitz, Nathan, assignor.)
Carafiol-Silver Garment Co., assignor to Carafiol-Silverman Company, St. Louis, Mo. Middies, dresses, and suits, etc. 141,343; renewed Apr. 19, 1941.
Cardox Corporation, Chicago, Ill. Fixed fire extinguishing units, conduits, valves, and discharge nozzles. 385,676; Mar. 11; Serial No. 437,267; published Dec. 31, 1940. Class 13.
Carew Manufacturing Co. (See Hampshire Paper Company, assignor.)
Carew Manufacturing Co., South Hadley Falls, Mass. Paper and mailing-envelops. 145,058-9; renewed July 26, 1941.
Carson Pirie Scott & Company, Chicago, Ill. Shoes. 385,595; Mar. 11; Serial No. 435,447; published Dec. 17, 1940. Class 39.
Carson Pirie Scott & Company, Chicago, Ill. Soap. 385,704; Mar. 11; Serial No. 437,893; published Dec. 31, 1940. Class 4.
Carter-Luff Chemical Company. (See Luff, Jay H.)
Chase, A. B., Piano Co., Inc., assignor, by mesne assignments, to A. B. Chase-Emerson Corporation, New York, N. Y. Pianos and player-pianos. 139,501-2; renewed Feb. 8, 1941.
Cheese Importing Co., Inc., New York, N. Y. Cheese. 385,655; Mar. 11; Serial No. 437,027; published Dec. 24, 1940. Class 46.

Chicago Malleable Castings Co., Chicago, Ill. Ferrous castings. 385,571; Mar. 11; Serial No. 432,235; published Dec. 31, 1940. Class 14.

Chicago Mica Co., Valparaiso, Ind., assignor to Continental-Diamond Fibre Company, Newark, Del. Electrical appliances. 145,060; renewed July 26, 1941.

Chicopee Manufacturing Corporation, New Brunswick, N. J. Diapers. 385,620; Mar. 11; Serial No. 436,541; published Dec. 31, 1940. Class 39.

Chinook Packing Company, Chinook, Wash. Canned fish. 142,471; renewed May 17, 1941.

Cochard, Emilie, doing business as Madame Cochard, Santa Barbara, Calif. French dressing. 385,578; Mar. 11; Serial No. 424,014; published Dec. 24, 1940. Class 46.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 385,680; Mar. 11; Serial No. 437,366; published Dec. 31, 1940. Class 42.

Cohn, H. C., & Co., Rochester, N. Y. Neckties. 385,556; Mar. 11; Serial No. 425,184; published Dec. 17, 1940. Class 39.

Colfast Buttons Limited, London, England. Buttons, buckles, fasteners, etc. 385,585; Mar. 11; Serial No. 434,971; published Dec. 31, 1940. Class 40.

Colgate & Company, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid and powdered perfumes. 144,724; renewed July 19, 1941.

Collins Company, The, Collinsville, Conn. Hand tools. 145,062; renewed July 26, 1941.

Colorado Milling & Elevator Company, to The Colorado Milling & Elevator Co., Denver, Colo., and Burley, Idaho. Self-rising wheat flour. 145,063; renewed July 26, 1941.

Columbus Foods Corporation, Columbus, Wis. Canned vegetables. 385,589; Mar. 11; Serial No. 435,196; published Dec. 31, 1940. Class 46.

Continental-Diamond Fibre Company. (See Chicago Mica Co., assignor.)

Corke, Ruloff D., Yonkers, N. Y. Shoe laces. 385,560; Mar. 11; Serial No. 427,450; published Dec. 24, 1940. Class 40.

Corning Glass Works, Corning, N. Y. Laboratory glassware. 385,670; Mar. 11; Serial No. 437,239; published Dec. 31, 1940. Class 26.

Cremo Mfg. Co. (See Lakoff, Sarah.)

Cridlebaugh, J. Clayton, also doing business as The Marvel Company, Arcadia, Calif. Poultry supplies, namely, anti-pick devices and parts thereof; fountains, etc. 385,575; Mar. 11; Serial No. 433,157; published Dec. 31, 1940. Class 50.

Cuyahoga Furniture and Lamp Co., Cleveland, Ohio. Electric floor lamps. 385,566; Mar. 11; Serial No. 430,298; published Dec. 24, 1940. Class 21.

Dart, E. M., Mfg. Co., Providence, R. I. Metal pipe-fittings. 145,068; renewed July 26, 1941.

Defender Photo Supply Co., Inc., Rochester, N. Y. Light-sensitive photographic paper. 385,599; Mar. 11; Serial No. 436,040; published Dec. 31, 1940. Class 26.

De Laval Separator Company, The, New York, N. Y. Rubber parts for milking machinery. 385,569; Mar. 11; Serial No. 441,049; published Dec. 24, 1940. Class 35.

Dilling & Company, Indianapolis, Ind. Candy. 144,744; renewed July 19, 1941.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tires. 385,621; Mar. 11; Serial No. 436,542; published Dec. 31, 1940. Class 35.

Eagle Electric Mfg. Co., Inc., Brooklyn, N. Y. Electrical apparatus and supplies. 385,706; Mar. 11. Class 21.

Eastern-Columbia, Inc., Los Angeles, Huntington Park, and Pasadena, Calif. Dressers, beds, vanities, etc. 385,607; Mar. 11; Serial No. 436,254; published Dec. 31, 1940. Class 32.

Eastman Kodak Company, Rochester, N. Y. Piece goods. 385,625; Mar. 11; Serial No. 436,600; published Dec. 31, 1940. Class 42.

Ebling, Walter, New York, N. Y. Skating shoes. 385,592; Mar. 11; Serial No. 435,354; published Dec. 24, 1940. Class 39.

Educator Shoe Corporation of America, The, New York, N. Y. Boys' shoes. 385,509; Mar. 11; Serial No. 435,647; published Dec. 24, 1940. Class 39.

Eisenstein, Abraham, Brooklyn, N. Y. Prepared mix. 385,650; Mar. 11; Serial No. 436,964; published Dec. 24, 1940. Class 46.

El Reno Mill & Elevator Co., El Reno, Okla., assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour. 143,687; renewed June 7, 1941.

Empire Box Corporation, Garfield, N. J., and Chicago, Ill. Collapsible glued boxes, cartons, and trays. 385,606; Mar. 11; Serial No. 436,187; published Dec. 24, 1940. Class 2.

Englander Company, Inc., The, Chicago, Ill. Mattresses. 385,684; Mar. 11; Serial No. 437,437; published Dec. 24, 1940. Class 32.

Enterprise Manufacturing Company, Akron, Ohio. Fishing reels. 385,613–4; Mar. 11; Serial Nos. 436,378–9; published Dec. 31, 1940. Class 22.

Erwin Cotton Mills Company, The, West Durham, N. C. Denim in the piece. 385,730; Mar. 11. Class 42.

Essex Rubber Company, Trenton, N. J. Rubber heels. 385,547; Mar. 11; Serial No. 401,212; published Dec. 17, 1940. Class 39.

Estate Stove Company, The, Hamilton, Ohio. Gas and electric cooking stoves, ovens, and parts thereof. 385,594; Mar. 11; Serial No. 435,424; published Dec. 31, 1940. Class 34.

Everlastik Incorporated, Boston, to Everlastik, Incorporated, Chelsea, Mass. Elastic and non-elastic webs. 139,980; renewed Mar. 1, 1941.

Fabien, R., & Co. Inc., New York, N. Y. Salad oil, olives, capers, etc. 385,734; Mar. 11. Class 46.

Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich. Pies, cakes, cookies, rools, etc. 385,608; Mar. 11; Serial No. 436,258; published Dec. 31, 1940. Class 46.

Fashion Bootery, The, Seattle, Wash. Shoes. 385,611; Mar. 11; Serial No. 436,304; published Dec. 17, 1940. Class 39.

Federal Physician's Supply Co., Denver, Colo. Vaginal diaphragms. 385,703; Mar. 11; Serial No. 437,858; published Dec. 31, 1940. Class 44.1.

Fingerhut, Abraham, doing business as Aster Flower Co., New York, N. Y. Artificial flowers in the nature of coiffure ornaments. 385,644; Mar. 11; Serial No. 436,884; published Dec. 31, 1940. Class 40.

Fitzpatrick Bros., Chicago, Ill. Preparation in finely-divided form for cleaning, scouring, and polishing metal, glass, woodwork, etc. 144,215; renewed June 28, 1941.

Fitzpatrick Bros., Chicago, Ill. Soap and soap flakes. 144,571; renewed July 12, 1941.

Fitzpatrick Bros., Chicago, Ill. Soap flakes, soap chips, and soap. 144,762; renewed July 19, 1941.

Flato, Paul E., New York, N. Y. Novelties, flatware, hollowware, and jewelry, etc. 385,742–3; Mar. 11. Class 28.

Ford Motor Company, Dearborn, Mich. Instruments for precision measurements—namely, gage blocks. 385,738–9; Mar. 11. Class 26.

Fremont Canning Company, Fremont, Mich. Canned vegetables. 385,546; Mar. 11; Serial No. 385,575; published Dec. 31, 1940. Class 46.

Frick Company, Waynesboro, Pa. Threshing machinery, sawmills, portable and stationary steam-engines, etc. 145,952; renewed June 21, 1941.

Frick Company, Waynesboro, Pa. Machinery—namely, ice-making and refrigerating machinery. 144,236; renewed June 28, 1941.

Frost, George, Company, Boston, Mass. Apparel belts and suspenders. 385,697; Mar. 11; Serial No. 437,070; published Dec. 31, 1940. Class 39.

Fuller Brush Company, The, Hartford, Conn. Crumb-trays, crumb-scrapers, and sink-scrapers. 144,216; renewed June 28, 1941.

Future Farmers of America, Inc., Richmond, Va., and Washington, D. C. Pennants, banners, plaques, etc. 385,647; Mar. 11; Serial No. 436,926; published Dec. 31, 1940. Class 50.

General Aniline & Film Corporation, New York, N. Y. Light-sensitive photographic material, particularly photographic paper. 385,671–3; Mar. 11; Serial Nos. 437,243–5; published Dec. 31, 1940. Class 26.

General Aniline & Film Corporation, New York, N. Y. Photographic goods, particularly cameras. 385,685; Mar. 11; Serial No. 437,438; published Dec. 31, 1940. Class 26.

General Mills, Inc. (See El Reno Mill & Elevator Co., assignor.)

General Mills, Inc. (See Wichita Mill and Elevator Company, assignor.)

General Shoe Corporation, Nashville, Tenn. Shoes. 385,632; Mar. 11; Serial No. 436,721; published Dec. 24, 1940. Class 39.

General Tire & Rubber Company, The, Akron, Ohio. Plastic shoe filler containing rubber. 385,653; Mar. 11; Serial No. 436,994; published Dec. 31, 1940. Class 1.

George Brothers, Dinuba, Calif. Fresh grapes. 385,648; Mar. 11; Serial No. 436,929; published Dec. 24, 1940. Class 46.

Geser, Josefina R., Zurich, Switzerland. Apparatus for typewriters for making multiple copy. 385,577; Mar. 11; Serial No. 433,710; published Dec. 24, 1940. Class 23.

Gilbert Shoe Company, The, Thiensville, Wis. Shoes. 385,635; Mar. 11; Serial No. 436,764; published Dec. 24, 1940. Class 39.

Gill, Harry, Co., The, Urbana, Ill. Javelins, vaulting poles, discuses, etc. 385,573; Mar. 11; Serial No. 432,441; published Dec. 31, 1940. Class 22.

Gimbel Brothers, Inc., New York, N. Y. Suits and overcoats, trousers, etc. 385,716; Mar. 11. Class 39.

Goodman, H., & Sons, Inc., Jersey City, N. J. Non-electrical hair curlers. 385,643; Mar. 11; Serial No. 436,844; published Dec. 31, 1940. Class 40.

Goodrich, B. F., Company, The. (See Miller Rubber Company, assignor.)

Goodyear Tire & Rubber Company, The, Akron, Ohio. Sponge and cellular rubber. 385,656; Mar. 11; Serial No. 437,033; published Dec. 31, 1940. Class 1.

Grainger, W. B., Packing Company, Salinas, Calif. Fresh lettuce. 385,677; Mar. 11; Serial No. 437,280; published Dec. 31, 1940. Class 46.

Growers Exchange, Inc., Norfolk, Va. Fresh beans, beets, cabbage, etc. 385,694; Mar. 11; Serial No. 437,563; published Dec. 31, 1940. Class 46.

Hamburger, Edward, doing business as Perfectint Products Co., New York, N. Y. Proving paper. 385,721; Mar. 11. Class 37.

Hampshire Paper Company, assignor to Carew Manufacturing Co., South Hadley Falls, Mass. Paper for general printing and writing purposes and mailing-envelops. 145,107; renewed July 26, 1941.

Hanley, Grace, Inc., Jersey City, N. J. Wearing apparel. 385,720; Mar. 11. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats. 385,597; Mar. 11; Serial No. 435,759; published Dec. 24, 1940. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats. 385,630; Mar. 11; Serial No. 436,766; published Dec. 17, 1940. Class 39.

Hollander-Koshland Co., The, Baltimore, Md., by change of name to The Maryland Pharmaceutical Company. Medicine. 144,796; renewed July 19, 1941.

Horder's, Incorporated, Chicago, Ill. Rubber stamps. 144,797; renewed July 19, 1941.

Hudson Handkerchief Co., Inc., Newark, N. J. Handkerchiefs. 385,580; Mar. 11; Serial No. 434,444; published Dec. 24, 1940. Class 39.

Hughes, John R., Wilkes-Barre, Pa. Memorials, monuments, and markers. 385,724; Mar. 11. Class 50.

Hump Hairpin Manufacturing Company, The, Chicago, Ill. Hairpins. 385,725–6; Mar. 11. Class 40.

Hump Hairpin Manufacturing Company, The, Chicago, Ill. Hair curling devices. 385,727; Mar. 11. Class 40.

Hurwitz, Nathan, New York, N. Y., assignor to The Canute Co., Milwaukee, Wis. Hair-dye. 141,974; renewed May 3, 1941.

Hygrade Sylvania Corporation, Salem, Mass. Electric relays and fluorescent lamp starting devices. 385,681; Mar. 11; Serial No. 437,410; published Dec. 31, 1940. Class 21.

Independent Pneumatic Tool Company, Chicago, Ill. Hammering tools. 385,551; Mar. 11; Serial No. 421,653; published Nov. 14, 1939. Class 21.

Jacobs, Louis, New York, N. Y. Protective pads for packing and storing hats. 385,651; Mar. 11; Serial No. 436,971; published Dec. 31, 1940. Class 50.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Grit washing apparatus in sewage disposal plants. 385,666; Mar. 11; Serial No. 437,201; published Dec. 24, 1940. Class 23.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. 385,626–7; Mar. 11; Serial Nos. 436,651–2; published Dec. 24, 1940. Class 39.

Jones, Charles B., Cincinnati, Ohio. Flowers and potted plants. 385,637; Mar. 11; Serial No. 436,768; published Dec. 31, 1940. Class 1.

Katerl Club, De Smet, Idaho. Doeskin and buckskin products—namely, gloves, belts, jackets, etc. 385,630; Mar. 11; Serial No. 436,693; published Dec. 24, 1940. Class 39.

Katz, Julius, & Company, Inc., New York, N. Y. Children's wear. 385,590; Mar. 11; Serial No. 435,299; published Dec. 24, 1940. Class 39.

Kaul Clay Manufacturing Company, The, Toronto, Ohio. Fine lining. 385,572; Mar. 11; Serial No. 432,256; published Dec. 31, 1940. Class 34.

Kayser, Julius, & Co., New York, N. Y. Gloves. 385,583; Mar. 11; Serial No. 434,879; published Oct. 22, 1940. Class 39.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. 385,736; Mar. 11. Class 11.

Kroger Grocery & Baking Company, Cincinnati, Ohio. Preparation for making jelly composed of dextrose, citrus pectin and tartaric acid. 385,709; Mar. 11. Class 46.

Krohn-Fechheimer Company, The, assignor to United States Shoe Corporation, Cincinnati, Ohio. Shoes. 142,663; renewed May 17, 1941.

Lakoff, Sarah, doing business as The Cremo Mfg. Co., Philadelphia, Pa. Marshmallow topping. 385,586; Mar. 11; Serial No. 435,021; published Dec. 24, 1940. Class 46.

Larus & Brother Company, Inc., Richmond, Va. Smoking tobacco and chewing tobacco. 385,628; Mar. 11; Serial No. 436,671; published Dec. 31, 1940. Class 17.

Lasko Strap Company, Jersey City, N. J. Wrist watch straps. 385,645; Mar. 11; Serial No. 436,896; published Dec. 17, 1940. Class 40.

Latrobe Brewing Company, Latrobe, Pa. Ginger ale and other soft drinks. 385,563; Mar. 11; Serial No. 429,363; published Dec. 24, 1940. Class 45.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 385,089; Mar. 11; Serial No. 437,518; published Dec. 31, 1940. Class 46.

Levin Brothers, New York, N. Y. Hair combs. 385,658; Mar. 11; Serial No. 437,069; published Dec. 17, 1940. Class 40.

Lewisburg Chair and Furniture Co., Lewisburg, Pa. Chairs, settees, tables, etc. 385,691; Mar. 11; Serial No. 436,128; published Dec. 31, 1940. Class 32.

Lily Tulip Cup Corporation, New York, N. Y. Paper cups and paper containers in the general nature of paper cups. 385,618; Mar. 11; Serial No. 436,475; published Dec. 31, 1940. Class 2.

Lincoln Paper Company, Chicago, Ill. Bond paper. 385,715; Mar. 11. Class 37.

Lincoln Stores, Inc., Quincy, Mass. Underwear and hosiery. 385,705; Mar. 11. Class 39.

Lindenberger, Robert, doing business as R. Lindenberger & Co., Seattle, Wash. Canned salmon. 385,690–1; Mar. 11; Serial Nos. 437,520–1; published Dec. 31, 1940. Class 46.

Lish, Samuel, New York, N. Y. Hats, berets, and tam-o-shanters. 385,712; Mar. 11. Class 39.

Logie, Sarah L., Cleveland, Ohio. Metal polish. 385,581; Mar. 11; Serial No. 434,450; published Dec. 31, 1940. Class 4.

Lorenz, Nettie, doing business as Modern Mother Product Co., Council Bluffs, Iowa. Pie crust. 385,665; Mar. 11; Serial No. 437,138; published Dec. 31, 1940. Class 46.

Luff, Jay H., doing business as Carter-Luff Chemical Company, Hudson, N. Y. Veterinary medicines. 144,034; renewed June 21, 1941.

Lund, Francis L., doing business as Lund's Formula 5 Co., Ogden, Utah. Preparation useful in the treatment of hay fever and similar ailments. 385,717; Mar. 11. Class 6.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 385,699; Mar. 11; Serial No. 437,730; published Dec. 31, 1940. Class 39.

Marvel Company, The. (See Cridlebaugh, J. Clayton.)

Maryland Beverage Company Incorporated, Baltimore, Md. Chocolate milk beverage, and tomato juice. 385,570; Mar. 11; Serial No. 432,143; published Dec. 31, 1940. Class 46.

Maryland Pharmaceutical Company, The. (See Hollander-Koshland Co., The.)

Mayer, Oscar, & Company, Chicago, Ill. Sausage. 385,549; Mar. 11; Serial No. 417,468; published Dec. 24, 1940. Class 46.

McGreevey, Werring & Howell, Inc., New York, N. Y. Electric refrigerators. 385,674; Mar. 11; Serial No. 437,248; published Dec. 31, 1940. Class 31.

Merck & Co., New York, N. Y., assignor, by mesne assignments, to Rare Chemicals, Inc., Flemington, N. J. Ethylhydrocuprein and its salts. 139,165; renewed Jan. 25, 1941.

Mervis, Samuel, Co., Baltimore, Md. Mayonnaise. 385,619; Mar. 11. Serial No. 436,519; published Dec. 31, 1940. Class 46.

Mid-West Mushroom Company, Kansas City, Mo. Canned mushrooms. 385,609; Mar. 11; Serial No. 436,277; published Dec. 24, 1940. Class 46.

Midwestern Auto Parts. (See Mills, Claud W.)

Miller Rubber Company, The, Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y. Surgical, dental, and medical supplies. 139,170; renewed Jan. 25, 1941.

Miller Table Pad & Venetian Blind Manufacturing Co. Inc., Brooklyn, N. Y. Table pads of composite construction. 385,745; Mar. 11. Class 50.

Mills, Claud W., doing business as Midwestern Auto Parts, Kokomo, Ind. Wheel counterbalancing weights for vehicles. 385,638; Mar. 11; Serial No. 436,773; published Dec. 31, 1940. Class 19.

Mindling, Grover N., doing business as The Smack Company, Pittsburgh, Pa. Sugar cakes. 144,610; renewed July 12, 1941.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety instruments for controlling fuel supply to fuel burners. 385,548; Mar. 11; Serial No. 411,892; published Dec. 31, 1940. Class 26.

Mitchell Brothers Inc., New York, N. Y., and Bridgeport, Conn. Underwear, pajamas, slips, etc. 385,667; Mar. 11; Serial No. 437,211; published Dec. 24, 1940. Class 39.

Modern Mother Product Co. (See Lorenz, Nettie.)

Mojonnier Bros. Co., Chicago, Ill. Apparatus for industrially carbonating and cooling liquids. 385,698; Mar. 11; Serial No. 437,691; published Dec. 31, 1940. Class 31.

Moran Shoe Company, Carlyle, Ill. Shoes. 385,591; Mar. 11; Serial No. 435,307; published Dec. 17, 1940. Class 39.

Morishita, Hiroshi, Higashi-Ku, Osaka-Shi, Japan. Clinical thermometers. 385,576; Mar. 11; Serial o. 433,398; published Dec. 31, 1940. Class 26.

Morrell, John, & Co., Ottumwa, Iowa. Hams, picnics, and bacons. 385,633; Mar. 11; Serial No. 436,731; published Dec. 24, 1940. Class 46.

Mu-Col Company, The, Buffalo, N. Y. Soap. 143,407; renewed May 31, 1941.

National Licorice Company, Brooklyn, N. Y. Licorice-candy. 144,878; renewed July 19, 1941.

Nichols, Wellington C., Evanston, also doing business as The Winsom Company, Chicago, Ill. Radio game. 385,700; Mar. 11; Serial No. 437,781; published Dec. 24, 1940. Class 22.

Nottebaum, Leopoldine. (See Noxon Chemical Products Co., assignor.)

Noxon Chemical Products Co., assignor to L. Nottebaum, Newark, N. J. Metal-polish. 145,166; renewed July 26, 1941.

Oakchar Products Corporation, Oakland, Calif. Charcoal briquettes and charcoal. 385,722; Mar. 11. Class 1.

Odora Company, Inc., New York, N. Y. Paperboard or corrugated paperboard, storage wardrobes and chests. 385,687; Mar. 11; Serial No. 437,477; published Dec. 24, 1941. Class 32.

Old Town Ribbon & Carbon Co. Inc., New York, N. Y. Carbon paper and typewriter ribbons. 385,652; Mar. 11; Serial No. 436,976; published Dec. 31, 1940. Class 11.

Ortega, E. C., Co., Los Angeles, Calif. Canned tomato and green chile juice. 385,642; Mar. 11; Serial No. 437,101; published Dec. 24, 1940. Class 46.

Para Manufacturing Co., Inc., Newark, N. J. Shower curtains and matching window drapes and shower curtains sold together as a unit. 385,582; Mar. 11; Serial No. 434,501; published Dec. 31, 1940. Class 13.

Peeper-Back Mirror Company, Fort Worth, Tex. Combination mirror and light. 385,564; Mar. 11, Serial No. 429,913; published Dec. 31, 1940. Class 32.

Penney, J. C., Company, Salt Lake City, Utah, assignor to J. C. Penney Company, New York, N. Y. Clothing. 144,024; renewed June 21, 1941.

Perfectint Products Co. (See Hamburger, Edward.)

Private Telephones, Inc., Cleveland, Ohio. Automatic office telephones. 385,557; Mar. 11; Serial No. 425,208; published Dec. 31, 1940. Class 21.

Private Telephones, Inc., Cleveland, Ohio. Automatic office telephones. 385,559; Mar. 11, Serial No. 425,532; published Dec. 31, 1940. Class 21.

Queen Valley Fabrics, Inc., Valley Falls, R. I. Household curtains and piece goods from which curtains are made. 385,656; Mar. 11; Serial No. 437,454; published Dec. 31, 1940. Class 42.

Rapid Mfg. Co. (See Aitchison, Robert B.)

Rare Chemicals, Inc. (See Merck & Co., assignor.)

Reading Batteries, Inc., Reading, Pa. Storage batteries. 385,550; Mar. 11; Serial No. 417,850; published Dec. 24, 1940. Class 21.

Ready Foods Company, Inc., doing business as American Beef Company, Chicago, Ill. Canned dog food. 385,616; Mar. 11; Serial No. 436,440; published Dec. 24, 1940. Class 46.

Real Cream Incorporated, San Francisco, Calif. Cream containing a vegetable stabilizer. 385,631; Mar. 11; Serial No. 436,700; published Dec. 24, 1940. Class 46.

Reardon Company, The, St. Louis, Mo. Calcimine. 142,722; renewed May 17, 1941.

Reardon Company, The, St. Louis, Mo. Paint. 144,898; renewed July 19, 1941.

Red Star Company, Bridgeport, Conn. Ear muffs. 385,713; Mar. 11. Class 39.

Reekers, Andrew, Portland, Oreg. Fishing lures. 385,737; Mar. 11. Class 22.

Reib, Charles E., doing business as Reib's Rose Farms, Tyler, Tex. Packed or packaged plants. 385,552; Mar. 11; Serial No. 421,903; published Dec. 31, 1940. Class 1.

Riggio Tobacco Corporation, Brooklyn, N. Y. Cigarettes. 385,714; Mar. 11. Class 17.

Roberts-Hart, Incorporated, Keene, N. H. Work shoes. 385,740; Mar. 11. Class 39.

Robertson, James, & Sons, Preserve Manufacturers Ltd., Paisley, Scotland. Marmalade. 143,443; renewed May 31, 1941.

Roe, A. V., & Co. Limited, London, to A. V. Roe & Co. Limited, Manchester, England. Tools. 140,954-5; renewed Mar. 29, 1941.

Ross, Howard L., Corporation, New York, N. Y. Dish cloths. 385,688; Mar. 11; Serial No. 437,482; published Dec. 31, 1940. Class 42.

Russakov, Jacob I., doing business as The Russakov Company, Chicago, Ill. Metal hampers. 385,675; Mar. 11; Serial No. 437,253; published Dec. 31, 1940. Class 2.

S. M. A. Corporation, Chicago, Ill. Food specially prepared for infant feeding. 385,668; Mar. 11; Serial No. 437,221; published Dec. 31, 1940. Class 46.

Sage, Peggy, Inc., Stamford, Conn. Manicure sets. 385,695; Mar. 11; Serial No. 437,600; published Dec. 24, 1940. Class 44.

Samuels Shoe Company, St. Louis, Mo. Ladies' shoes. 385,654; Mar. 11; Serial No. 437,016; published Dec. 31, 1940. Class 39.

Sanitary Receiver Company, Inc., Dunkirk, N. Y. Metal cans or receptacles. 143,162; renewed May 24, 1941.

Sargent's, C. G., Sons Corporation, Graniteville, Mass. Textile machinery. 385,584; Mar. 11; Serial No. 434,883; published Dec. 24, 1940. Class 23.

Schwartz-Gilbert Co., Inc., New York, N. Y. Combs. 385,615; Mar. 11; Serial No. 436,402; published Dec. 17, 1940. Class 40.

Screw Conveyor Corporation, Hammond, Ind. Elevating and conveying apparatus. 385,728.9; Mar. 11. Class 23.

Sea Island Mills, Inc., New York, N. Y. Water repellent textile fabrics. 385,646; Mar. 11; Serial No. 436,911; published Dec. 31, 1940. Class 42.

Serra, Arthur, and Co., Chicago, Ill. Fresh pineapple. 385,733; Mar. 11. Class 46.

Sherman White & Company, Fort Wayne, Ind. Butter, eggs, cheese, etc. 141,226; renewed Apr. 12, 1941.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides. 144,632; renewed July 12, 1941.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides, fungicides, germicides, and the like. 144,633; renewed July 12, 1941.

Signal Oil and Gas Company, doing business as Bi-Rite Stores, Los Angeles, Calif. Electrically operated refrigerators. 385,692; Mar. 11; Serial No. 437,534; published Dec. 24, 1940. Class 31.

Simmons, Walter H., Detroit, Mich. Metal alloys. 385,711; Mar. 11. Class 14.

Slatkin, Hyman, Baltimore, Md. Stove-polish. 142,767; renewed May 17, 1941.

Smack Company, The. (See Mindling, Grover N.)

Smith, Earl J., doing business as E. J. Smith Company, Charlotte, N. C. Golf tees and golf bags. 385,568; Mar. 11; Serial No. 431,227; published Dec. 31, 1940. Class 22.

Society Club Hats Corp., New York, N. Y. Men's hats. 385,623; Mar. 11; Serial No. 436,584; published Dec. 17, 1940. Class 39.

Spitzer Garment Co., Chicago, Ill. Dresses and housecoats. 385,744; Mar. 11. Class 39.

Stacks Shoe Company, The, Cincinnati, Ohio. Shoes. 385,731-2; Mar. 11. Class 39.

Standard Milling Company, New York, N. Y. Flour, bran, and feeds for live stock and poultry. 385,553; Mar. 11; Serial No. 422,300; published Dec. 31, 1940. Class 46.

Stearns' Electric Paste Company, Chicago, Ill. Rat and roach paste. 144,063; renewed June 21, 1941.

Steam-Electric Corporation, St. Louis, Mo. Electric steaming irons. 385,649; Mar. 11; Serial No. 436,944; published Dec. 31, 1940. Class 21.

Suarez, Angel, & Hnos., Inc., San Juan, P. R. Hats. 385,593; Mar. 11; Serial No. 435,409; published Dec. 17, 1940. Class 39.

Swift and Company, Chicago, Ill. Frozen confections. 385,624; Mar. 11; Serial No. 436,585; published Dec. 31, 1940. Class 46.

Tamaqua Underwear Company, Incorporated, Tamaqua, Pa. Women's knitted underwear. 139,409; renewed Feb. 1, 1941.

Todd Combustion Equipment, Inc., New York, N. Y. Air registers or controlling means for supplying air to an oil burner. 385,602; Mar. 11; Serial No. 436,151; published Dec. 31, 1940. Class 34.

Todd Combustion Equipment, Inc., New York, N. Y. Oil burners. 385,603; Mar. 11; Serial No. 436,152; published Dec. 31, 1940. Class 34.

Tubbs Cordage Company, San Francisco, Calif. Rope made from fiber. 144,955; renewed July 19, 1941.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Ribbon and textile fabrics in the piece, towels, toweling, and tapestry. 144,956; renewed July 19, 1941.

United Coffee Service, Inc., New York, N. Y. Coffee and tea. 385,554; Mar. 11; Serial No. 423,245; published Dec. 31, 1940. Class 46.

United Co-operatives, Inc., Indianapolis, Ind. Tire chains. 385,669; Mar. 11; Serial No. 437,228; published Dec. 31, 1940. Class 13.

United States Manufacturing Corporation, Decatur, Ill. Fly-killers or hand devices for killing flies and other insects. 385,612; Mar. 11; Serial No. 436,330; published Dec. 31, 1940. Class 50.

United States Shoe Corporation, The. (See Krohn-Fechheimer Company, The, assignor.)

Victor Brewing Company, The, Jeannette, Pa. Ale. 385,610; Mar. 11; Serial No. 436,292; published Dec. 31, 1940. Class 48.

Waite, Donald H., San Francisco, Calif. Mouth pieces for preventing snoring. 385,561; Mar. 11; Serial No. 427,949; published Dec. 24, 1940. Class 44.

Wander Company, The, Chicago, Ill. Food products. 385,640; Mar. 11; Serial No. 436,827; published Dec. 24, 1940. Class 46.

Wander Company, The, Chicago, Ill. Food product in fluid form containing milk with sugar, cocoa and other ingredients. 385,641; Mar. 11; Serial No. 436,828; published Dec. 31, 1940. Class 46.

Wayne Oil Tank & Pump Company, assignor to The Wayne Pump Company, Fort Wayne, Ind. Tanks. 139,227; renewed Jan. 25, 1941.

Wayne Oil Tank & Pump Company, assignor to The Wayne Pump Company, Fort Wayne, Ind. Pipe-line or flow meters. 139,425; renewed Feb. 1, 1941.

Wendt, Ivar C. H., doing business as Ivar Wendt, Seattle, Wash. Canned oysters, and canned salmon. 385,696; Mar. 11; Serial No. 437,635; published Dec. 31, 1940. Class 46.

Westfeldt Brothers, New Orleans, La. Coffee. 144,972; renewed July 19, 1941.

Whiting Paper Company, Holyoke, Mass. Bristol-boards. 144,974; renewed July 19, 1941.

Wichita Mill and Elevator Company, Wichita Falls, Tex., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 144,975; renewed July 19, 1941.

Wilder, Wm., Co., Inc., New York, N. Y. Ladies' pocketbooks, purses and handbags. 385,574; Mar. 11; Serial No. 433,136; published Dec. 31, 1940. Class 3.

Wilson Brothers, Chicago, Ill. Neckties. 385,707; Mar. 11. Class 39.

Wincharger Corporation, Sioux City, Iowa. Electric batteries. 385,604; Mar. 11; Serial No. 436,154; published Dec. 31, 1940. Class 21.

Winsom Company, The. (See Nichols, Wellington C.)

Wolfenden, Harry C., doing business as R. Wolfenden & Sons, Attleboro, Mass. Fibres, silver, slubbing and roving. 385,600; Mar. 11; Serial No. 436,108; published Dec. 3, 1940. Class 1.

Woolf Brothers, Inc., Kansas City, Mo. Suits, neckties, outer shirts, and pajamas. 385,735; Mar. 11. Class 39.

Worcester Pressed Steel Company, Worcester, Mass. Strip-steel. 145,208; renewed July 26, 1941.

Wulchet Products, Inc., Dayton, Ohio. Mineral cattle feed. 385,588; Mar. 11; Serial No. 435,187; published Dec. 31, 1940. Class 46.

Zenith Radio Corporation, Chicago, Ill. Combination radio receiving and talking machine sets. 385,567; Mar. 11; Serial No. 430,983; published Dec. 31, 1940. Class 36.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Charcoal briquettes and charcoal. Oakchar Products Corporation. 385,722; Mar. 11.

Fibers, silver, slubbing and roving. H. C. Wolfenden. 385,600; Mar. 11; Serial No. 436,108; published Dec. 3, 1940.

Filler containing rubber, Plastic shoe. General Tire & Rubber Company. 385,653; Mar. 11; Serial No. 436,994; published Dec. 31, 1940.

Flowers and potted plants. C. B. Jones. 385,637; Mar. 11; Serial No. 436,768; published Dec. 31, 1940.

Flowers, Artificial. A. Fingerhut. 385,644; Mar. 11; Serial No. 436,884; published Dec. 31, 1940.

Plants, Packed or packaged. C. E. Reib. 385,552; Mar. 11; Serial No. 421,903; published Dec. 31, 1940.

Rubber, Sponge and cellular. Goodyear Tire & Rubber Company. 385,656; Mar. 11; Serial No. 437,033; published Dec. 31, 1940.

CLASS 2

Boxes, cartons and trays, Collapsible glued. Empire Box Corporation. 385,606; Mar. 11; Serial No. 436,167; published Dec. 24, 1940.

Cans or receptacles, Metal. Sanitary Receiver Company. 143,162; renewed May 24, 1941.

Caskets, Burial. Batesville Casket Co. 385,693; Mar. 11; Serial No. 437,547; published Dec. 31, 1940.

Cups and paper containers, Paper. Lily-Tulip Cup Corporation. 385,618; Mar. 11; Serial No. 436,475; published Dec. 31, 1940.

Hampers, Metal. J. I. Russakov. 385,675; Mar. 11; Serial No. 437,253; published Dec. 31, 1940.

Tanks. Wayne Oil Tank & Pump Company. 139,227; renewed Jan. 25, 1941.

CLASS 3

Pocketbooks, purses and handbags. Wm. Wilder Co. 385,574; Mar. 11; Serial No. 433,136; published Dec. 31, 1940.

CLASS 4

Polish, Metal. S. L. Logie. 385,581; Mar. 11; Serial No. 434,450; published Dec. 31, 1940.

Polish, Metal. Noxon Chemical Products Co. 145,166; renewed July 26, 1941.

Polish, Stove. H. Slatkin. 142,767; renewed May 17, 1941.

Preparation in finely-divided form for cleaning, scouring, and polishing metal, glass, woodwork, etc. Fitzpatrick Bros. 144,215; renewed June 28, 1941.

Soap. Carson Pirie Scott & Company. 385,704; Mar. 11; Serial No. 437,893; published Dec. 31, 1940.

Soap. Mu-Col Company. 143,407; May 31, 1941.

Soap and soap flakes. Fitzpatrick Bros. 144,571; renewed July 12, 1941.

Soap flakes, soap chips, and soap. Fitzpatrick Bros. 144,762; renewed July 19, 1941.

Soaps, cleaning, scouring and polishing wads, pads, etc. Brillo Manufacturing Company. 385,555; Mar. 11; Serial No. 423,288; published Dec. 31, 1940.

CLASS 6

Dye, Hair. N. Hurwitz. 141,974; renewed May 3, 1941.

Ethylhydrocuprein and its salts. Merck & Co. 139,165; renewed Jan. 25, 1941.

Insecticides. Sherwin-Williams Co. 144,632; renewed July 12, 1941.

Insecticides, fungicides, germicides, and the like. Sherwin-Williams Co. 144,633; renewed July 12, 1941.

Medicine. Hollander-Koshland Co. 144,796; renewed July 19, 1941.

Medicines, Veterinary. J. H. Luff. 144,034; renewed June 21, 1941.

Paste, Rat and roach. Stearns' Electric Paste Company. 144,063; renewed June 21, 1941.

Perfumes, Liquid and powdered. Colgate & Company. 144,724; renewed July 19, 1941.

Preparation useful in the treatment of hay fever and similar ailments. F. L. Lund. 385,717; Mar. 11.

Soda, Caustic. B. T. Babbitt, Inc. 140,740; renewed Mar. 29, 1941.

CLASS 7

Rope made from fiber. Tubbs Cordage Company. 144,955; renewed July 19, 1941.

CLASS 9

Matches. Berst-Forster-Dixfield Company. 385,679; Mar. 11; Serial No. 437,364; published Dec. 31, 1940.

CLASS 11

Carbon paper and typewriter ribbons. Old Town Ribbon & Carbon Co. 385,652; Mar. 11; Serial No. 436,976; published Dec. 31, 1940.

Carbon papers and typewriter ribbons. Kee Lox Manufacturing Company. 385,736; Mar. 11.

CLASS 12

Studding for buildings and parts thereof, Steel. Bostwick Steel Lath Company. 385,708; Mar. 11.

CLASS 13

Chains. United Co-operatives, Inc. 385,669; Mar. 11; Serial No. 437,228; published Dec. 31, 1940.

Fire extinguishing units, conduits, valves, and discharge units. Cardox Corporation. 385,676; Mar. 11; Serial No. 437,267; published Dec. 31, 1940.

Pipe-fittings, Metal. E. M. Dart Mfg. Co. 145,068; renewed July 26, 1941.

Shower curtains and matching window drapes. Para Manufacturing Co. 385,582; Mar. 11; Serial No. 434,501; published Dec. 31, 1940.

Trays, Crumb-scrapers, and sink-scrapers, Crumb. Fuller Brush Company. 144,216; renewed June 28, 1941.

CLASS 14

Brass, copper, bronze, etc. Atlantic Zinc Works, Inc. 385,710; Mar. 11.

Castings, Ferrous. Chicago Malleable Castings Co. 385,571; Mar. 11; Serial No. 432,235; published Dec. 31, 1940.

Metal alloys. W. H. Simmons. 385,711; Mar. 11.

Steel, Strip. Worcester Pressed Steel Company. 145,208; renewed July 26, 1941.

CLASS 16

Calcimine. Reardon Company. 142,722; renewed May 17, 1941.

Paint. Reardon Company. 144,898; renewed July 19, 1941.

CLASS 17

Cigarettes. Riggio Tobacco Corporation. 385,714; Mar. 11.

Cigars. American Tobacco Company. 385,562; Mar. 11; Serial No. 428,720; published Dec. 31, 1940.

Tobacco. Larus & Brother Company. 385,628; Mar. 11; Serial No. 436,671; published Dec. 31, 1940.

CLASS 19

Weights, Wheel counterbalancing. C. W. Mills. 385,638; Mar. 11; Serial No. 436,773; published Dec. 31, 1940.

CLASS 21

Batteries, Electric. Wincharger Corporation. 385,604; Mar. 11; Serial No. 436,154; published Dec. 31, 1940.

Batteries, Storage. Reading Batteries, Inc. 385,550; Mar. 11; Serial No. 417,850; published Dec. 24, 1940.

Electric apparatus and supplies. Eagle Electric Mfg. Co. 385,706; Mar. 11.

Electric relays and fluorescent lamp starting devices. Hygrade Sylvania Corporation. 385,681; Mar. 11; Serial No. 437,410; published Dec. 31, 1940.

Electrical appliances. Chicago Mica Co. 145,060; renewed July 26, 1941.

Flashlights and flashlight cases. Burgess Battery Company. 385,678; Mar. 11; Serial No. 437,333; published Dec. 31, 1940.

Insulated eletrical wire and cable. Anaconda Wire and Cable Company. 385,746; Mar. 11.

Irons, Electric. Steem-Electric Corporation. 385,649; Mar. 11; Serial No. 436,944; published Dec. 31, 1940.

Lamps, Electric floor. Cuyahoga Furniture and Lamp Co. 385,566; Mar. 11; Serial No. 430,298; published Dec. 24, 1940.

Telephones, Automatic office. Private Telephones, Inc. 385,557; Mar. 11; Serial No. 425,208; published Dec. 31, 1940.

Telephones, Automatic office. Private Telephones, Inc. 385,559; Mar. 11; Serial No. 425,532; published Dec. 31, 1940.

Tools, Hammering. Independent Pneumatic Tool Company. 385,551; Mar. 11; Serial No. 421,653; published Nov. 14, 1939.

CLASS 22

Fishing lures. A. Reekers. 385,737; Mar. 11.

Fishing reels. Enterprise Manufacturing Company. 385,613-4; Mar. 11; Serial Nos. 436,378-9; published Dec. 31, 1940.

Game. Burriss-Hanks Company. 385,664; Mar. 11; Serial No. 437,120; published Dec. 31, 1940.
Game, Radio. W. C. Nichols. 385,700; Mar. 11; Serial No. 437,781; published Dec. 24, 1940.
Golf tees and golf bags. E. J. Smith. 385,568; Mar. 11; Serial No. 431,227; published Dec. 31, 1940.
Javelins, vaulting poles, discuses, etc. Harry Gill Co. 385,573; Mar. 11; Serial No. 432,441; published Dec. 31, 1940.
Punch boards. G. D. Barok. 385,639; Mar. 11; Serial No. 436,796; published Dec. 24, 1940.

CLASS 23

Apparatus for typewriters for making multiple copy. J. R. Geser. 385,577; Mar. 11; Serial No. 433,710; published Dec. 24, 1940.
Elevating and conveying apparatus. Screw Conveyor Corporation. 385,728–9; Mar. 11.
Grit washing apparatus in sewage disposal plants. Jeffrey Manufacturing Company. 385,666; Mar. 11; Serial No. 437,201; published Dec. 24, 1940.
Razor blades. Best Blades, Inc. 385,718; Mar. 11.
Saw frames, Hack. R. B. Aitchison. 385,617; Mar. 11. Serial No. 436,459; published Dec. 24, 1940.
Sugar mixing machines. American Tool & Machine Co. 385,622; Mar. 11; Serial No. 436,557; published Dec. 24, 1940.
Sweeper, Carpet. Bissell Carpet Sweeper Co. 385,663; Mar. 11; Serial No. 437,117; published Dec. 24, 1940.
Textile machinery. C. G. Sargent's Sons Corporation. 385,584; Mar. 11; Serial No. 434,883; published Dec. 24, 1940.
Threshing machinery, sawmills, portable and stationary steam engines, etc. Frick Company. 145,952; renewed June 21, 1941.
Tools, A. V. Roe & Co. Limited. 140,954–5; renewed Mar. 29, 1941.
Tools, Hand. Collins Company. 145,962; renewed July 26, 1941.

CLASS 26

Adding machines, calculators, cash registering machines, etc. Allen Calculators, Incorporated. 385,558; Mar. 11; Serial No. 425,217; published Feb. 6, 1940.
Cameras. General Aniline & Film Corporation. 385,685; Mar. 11; Serial No. 437,438; published Dec. 31, 1940.
Glassware, Laboratory. Corning Glass Works. 385,670; Mar. 11. Serial No. 437,239; published Dec. 31, 1940.
Instruments for precision measurements—namely, gage blocks. Ford Motor Company. 385,738–9; Mar. 11.
Lenses, ophthalmic mounting, microscopes, etc., Ophthalmic. Bausch & Lomb Optical Company. 385,659; Mar. 11; Serial No. 437,079; published Dec. 24, 1940.
Meters, Pipe-line or flow. Wayne Oil Tank & Pump Company. 139,425; renewed Feb. 1, 1941.
Mountings, Ophthalmic. Bausch & Lomb Optical Company. 385,660; Mar. 11; Serial No. 437,080; published Dec. 24, 1940.
Photographic paper. Defender Photo Supply Co. 385,599; Mar. 11; Serial No. 436,049; published Dec. 31, 1940.
Photographic paper. General Aniline & Film Corporation. 385,671–3; Mar. 11; Serial Nos. 437,243–5; published Dec. 31, 1940.
Safety instruments. Minneapolis-Honeywell Regulator Company. 385,548; Mar. 11; Serial No. 411,892; published Dec. 31, 1940.
Thermometers, Clinical. H. Morishita. 385,576; Mar. 11; Serial No. 432,398; published Dec. 31, 1940.

CLASS 28

Novelties, flatware, hollowware, etc. P. E. Flato. 385,742–3; Mar. 11.

CLASS 31

Apparatus for industrially carbonating and cooling liquids. Mojonnier Bros. Co. 385,698; Mar. 11; Serial No. 437,601; published Dec. 31, 1940.
Coolers, Electrically refrigerated beverage. Brunswick-Balke-Collender Company. 385,719; Mar. 11.
Machinery—namely, ice-making, and refrigerating machinery. Frick Company. 144,236; renewed June 28, 1941.
Refrigerators, Electric. McGreevey, Werring & Howell, Inc. 385,674; Mar. 11; Serial No. 437,248; published Dec. 31, 1940.
Refrigerators, Electrically operated. Signal Oil and Gas Company. 385,692; Mar. 11; Serial No. 437,534; published Dec. 24, 1940.

CLASS 32

Blinds, Venetian. Wm. Cameron & Co. 385,701–2; Mar. 11; Serial Nos. 437,807–8; published Dec. 31, 1940.
Chairs, settees, tables, etc. Lewisburg Chair and Furniture Co. 385,601; Mar. 11; Serial No. 436,128; published Dec. 31, 1940.
Dressers, beds, vanities, etc. Eastern-Columbia, Inc. 385,607; Mar. 11; Serial No. 436,256; published Dec. 31, 1940.
Mattresses. Englander Company, Inc. 385,684; Mar. 11; Serial No. 437,437; published Dec. 24, 1940.
Mirror and light, Combination. Peeper-Back Mirror Company. 385,594; Mar. 11; Serial No. 429,913; published Dec. 31, 1940.
Wardrobes and chests, Paperboard or corrugated paperboard storage. Odora Company. 385,687; Mar. 11; Serial No. 437,477; published Dec. 24, 1940.

CLASS 34

Air registers or controlling means for supplying air to an oil burner. Todd Combustion Equipment, Inc. 385,602; Mar. 11; Serial No. 436,151; published Dec. 31, 1940.
Burners, Oil. Todd Combustion Equipment, Inc. 385,603; Mar. 11; Serial No. 436,152; published Dec. 31, 1940.
Fans and ventilating fans, Exhaust. G. J. Belter. 385,587; Mar. 11; Serial No. 435,115; published Dec. 31, 1940.
Flue lining. Kaul Clay Manufacturing Company. 385,572; Mar. 11; Serial No. 432,256; published Dec. 31, 1940.
Stoves, ovens, and parts thereof, Gas and electric cooking. Estate Stove Company. 385,594; Mar. 11; Serial No. 435,424; published Dec. 31, 1940.

CLASS 35

Rubber parts for milking machinery. De Laval Separator Company. 385,569; Mar. 11; Serial No. 431,649; published Dec. 24, 1940.
Tires. Dunlop Tire and Rubber Corporation. 385,621; Mar. 11; Serial No. 436,542; published Dec. 31, 1940.

CLASS 36

Pianos and player pianos. A. B. Chase Piano Co. 139,501–2; renewed Feb. 8, 1941.
Radio receiving and talking machine sets, Combination. Zenith Radio Corporation. 385,567; Mar. 11; Serial No. 430,983; published Dec. 31, 1940.

CLASS 37

Bristol-boards. Whiting Paper Company. 144,974; renewed July 19, 1941.
Paper and envelops. Hampshire Paper Company. 145,107; renewed July 26, 1941.
Paper and mailing envelops. Carew Manufacturing Co. 145,058–9; renewed July 26, 1941.
Paper, Bond. Lincoln Paper Company. 385,715; Mar. 11.
Paper for wrapping and packaging, Reinforced. American Reenforced Paper Company. 140,313; renewed Mar. 15, 1941.
Paper, Proving. E. Hamburger. 385,721; Mar. 11.
Paper, Writing. L. L. Brown Paper Company. 144,357; renewed July 5, 1941.
Stamps, Rubber. Horder's, Incorporated. 144,797; renewed July 19, 1941.

CLASS 39

Apparel, Wearing. Grace Hanley, Inc. 385,720; Mar. 11.
Belts and suspenders. George Frost Company. 385,667; Mar. 11; Serial No. 437,676; published Dec. 31, 1940.
Brassières. Berger Hosiery Company Incorporated. 385,682; Mar. 11; Serial No. 437,429; published Dec. 31, 1940.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Company. 385,699; Mar. 11; Serial No. 437,730; published Dec. 31, 1940.
Clothing. J. C. Penney Company. 144,024; renewed June 21, 1941.
Coats. Becker Cloak Co. 385,741; Mar. 11.
Diapers. Chicopee Manufacturing Corporation. 385,620; Mar. 11; Serial No. 436,541; published Dec. 31, 1940.
Diapers, shirts, nightgowns, etc. Allied Stores Corporation. 385,605; Mar. 11; Serial No. 436,158; published Dec. 24, 1940.
Doeskin and buckskin products, namely, gloves, belts, jackets, etc. Kateri Club. 385,630; Mar. 11; Serial No. 436,693; published Dec. 24, 1940.
Dresses and housecoats. Spitzer Garment Co. 385,744; Mar. 11.
Gloves. Julius Kayser & Co. 385,583; Mar. 11; Serial No. 434,879; published Oct. 22, 1940.
Handkerchiefs. Hudson Handkerchief Co. 385,580; Mar. 11; Serial No. 434,444; published Dec. 24, 1940.
Hats. Betmar Hats, Inc. 385,634; Mar. 11; Serial No. 436,755; published Dec. 24, 1940.
Hats. Hat Corporation of America. 385,597; Mar. 11; Serial No. 435,750; published Dec. 24, 1940.
Hats. Hat Corporation of America. 385,636; Mar. 11; Serial No. 436,766; published Dec. 17, 1940.
Hats. Angel Suarez & Hnos., Inc. 385,593; Mar. 11; Serial No. 435,409; published Dec. 17, 1940.
Hats and sweatbands. Brittany Hat Co. 385,629; Mar. 11; Serial No. 436,685; published Dec. 31, 1940.
Hats, berets, and tam-o'shanters. S. Lish. 385,712; Mar. 11.
Hats, Men's. Society Club Hats Corp. 385,623; Mar. 11; Serial No. 436,584; published Dec. 17, 1940.
Heels, Rubber. Essex Rubber Company. 385,547; Mar. 11; Serial No. 401,212; published Dec. 17, 1940.
Middies, dresses, and suits, etc. Carafiol-Silverman Garment Co. 141,343; renewed Apr. 19, 1941.
Muffs, Ear. Red Star Company. 385,713; Mar. 11.
Neckties. H. C. Cohn & Co. 385,556; Mar. 11; Serial No. 425,184; published Dec. 17, 1940.
Neckties. Wilson Brothers. 385,707; Mar. 11.
Shoes. J. Burger. 385,565; Mar. 11; Serial No. 429,933; published Dec. 17, 1940.

Shoes. Carson Pirie Scott & Company. 385,595; Mar. 11; Serial No. 435,447; published Dec. 17, 1940.
Shoes. Educator Shoe Corporation of America. 385,596; Mar. 11; Serial No. 435,647; published Dec. 24, 1940.
Shoes. Fashion Bootery. 385,611; Mar. 11; Serial No. 436,304; published Dec. 17, 1940.
Shoes. General Shoe Corporation. 385,632; Mar. 11; Serial No. 436,721; published Dec. 24, 1940.
Shoes. Gilbert Shoe Company. 385,635; Mar. 11; Serial No. 436,764; published Dec. 24, 1940.
Shoes. Johnson, Stephens and Shinkle Shoe Company. 385,626–7; Mar. 11; Serial Nos. 436,651–2; published Dec. 24, 1940.
Shoes. Krohn-Fechheimer Company. 142,663; renewed May 17, 1941.
Shoes. Moran Shoe Company. 385,591; Mar. 11; Serial No. 435,307; published Dec. 17, 1940.
Shoes. Samuels Shoe Company. 385,654; Mar. 11; Serial No. 437,016; published Dec. 31, 1940.
Shoes. Stacks Shoe Company. 385,731–2; Mar. 11.
Shoes, Skating. W. Ebling. 385,592; Mar. 11; Serial No. 435,354; published Dec. 24, 1940.
Shoes, Work. Roberts-Hart, Incorporated. 385,740; Mar. 11.
Suits, neckties, outer shirts, and pajamas. Woolf Brothers, Inc. 385,735; Mar. 11.
Suits, overcoats, trousers, etc. Gimbel Brothers, Inc. 385,716; Mar. 11.
Underwear and hosiery. Lincoln Stores, Inc. 385,705; Mar. 11.
Underwear, pajamas, slips, etc. Mitchell Brothers Inc. 385,667; Mar. 11; Serial No. 437,211; published Dec. 24, 1940.
Underwear, Women's knitted. Tamaqua Underwear Company. 139,409; renewed Feb. 1, 1941.
Wear, Children's. Julius Katz & Company. 385,590; Mar. 11; Serial No. 435,299; published Dec. 24, 1940.

CLASS 40

Buttons, buckles, and ornamental dress clips. Bailey, Green & Elger, Inc. 385,642; Mar. 11; Serial No. 436,831; published Dec. 31, 1940.
Buttons, buckles, fasteners, etc. Colfast Buttons Limited. 385,585; Mar. 11; Serial No. 434,971; published Dec. 31, 1940.
Combs. Schwartz-Gilbert Co. 385,615; Mar. 11; Serial No. 436,402; published Dec. 17, 1940.
Combs, Hair. Levin Brothers. 385,658; Mar. 11; Serial No. 437,069; published Dec. 17, 1940.
Curlers, Hair. H. Goodman & Sons, Inc. 385,643; Mar. 11; Serial No. 436,844; published Dec. 31, 1940.
Hair curling devices. Hump Hairpin Manufacturing Company. 385,727; Mar. 11.
Hairpins. Hump Hairpin Manufacturing Company. 385,725–6; Mar. 11.
Laces, Shoe. R. D. Corke. 385,560; Mar. 11; Serial No. 427,459; published Dec. 24, 1940.
Pins and crochet hooks, Knitting. Boye Needle Company. 385,579; Mar. 11; Serial No. 434,265; published Dec. 24, 1940.
Straps, Wrist watch. Lasko Strap Company. 385,645; Mar. 11; Serial No. 436,896; published Dec. 17, 1940.

CLASS 42

Curtins and piece goods from which curtains are made, Household. Queen Valley Fabrics, Inc. 385,686; Mar. 11; Serial No. 437,454; published Dec. 31, 1940.
Denim in the piece. Erwin Cotton Mills Company. 385,730; Mar. 11.
Dishcloths. Howard L. Ross Corporation. 385,688; Mar. 11; Serial No. 437,482; published Dec. 31, 1940.
Elastic and non-elastic webs. Everlastik Incorporated. 139,980; renewed Mar. 1, 1941.
Fabrics in the piece, towels, toweling, and tapestry, Ribbon and textile. Bernhard Ulmann Co., Inc. 144,956; renewed July 19, 1941.
Piece goods. Botany Worsted Mills. 385,683; Mar. 11; Serial No. 437,431; published Dec. 31, 1940.
Piece goods. Bradford Dyeing Association (U. S. A.). 385,598; Mar. 11; Serial No. 435,828; published Dec. 31, 1940.
Piece goods. Colm-Hall-Marx Co. 385,680; Mar. 11; Serial No. 437,366; published Dec. 31, 1940.
Piece goods. Eastman Kodak Company. 385,625; Mar. 11; Serial No. 436,600; published Dec. 31, 1940.
Textile fabrics. Sea Island Mills, Inc. 385,646; Mar. 11; Serial No. 436,911; published Dec. 31, 1940.

CLASS 44

Manicure sets. Peggy Sage, Inc. 385,695; Mar. 11; Serial No. 437,600; published Dec. 24, 1940.
Mouth pieces for preventing snoring. D. H. Waite. 385,561; Mar. 11; Serial No. 427,949; published Dec. 24, 1940.
Surgical, dental, and medical supplies. Miller Rubber Company. 139,170; renewed Jan. 25, 1941.
Vaginal diaphragms. Federal Physician's Supply Co. 385,703; Mar. 11; Serial No. 437,858; published Dec. 31, 1940.

CLASS 45

Ginger ale and other soft drinks. Latrobe Brewing Company. 385,563; Mar. 11; Serial No. 429,363; published Dec. 24, 1940.

CLASS 46

Beans, beets, cabbage, etc. Growers Exchange, Inc. 385,694; Mar. 11; Serial No. 437,593; published Dec. 31, 1940.
Butter, eggs, cheese, etc. Sherman White & Company. 141,226; renewed Apr. 12, 1941.
Cakes, Sugar. G. N. Mindling. 144,610; renewed July 12, 1941.
Candy. Dilling & Company. 144,744; renewed July 19, 1941.
Candy, Licorice. National Licorice Company. 144,878; renewed July 19, 1941.
Canned dog food. Ready Foods Company. 385,616; Mar. 11; Serial No. 436,440; published Dec. 24, 1940.
Canned fish. Chinook Packing Company. 142,471; renewed May 17, 1941.
Canned mushrooms. Mid-West Mushroom Company. 385,609; Mar. 11; Serial No. 436,277; published Dec. 24, 1940.
Canned oysters, and canned salmon. I. C. H. Wendt. 385,696; Mar. 11; Serial No. 437,635; published Dec. 31, 1940.
Canned salmon. R. Lindenberger. 385,690–1; Mar. 11; Serial Nos. 437,520–1; published Dec. 31, 1940.
Canned tomato juice and green chile juice. E. C. Ortega Co. 385,662; Mar. 11; Serial No. 437,101; published Dec. 24, 1940.
Canned vegetables. Columbus Foods Corporation. 385,589; Mar. 11; Serial No. 435,196 published Dec. 31, 1940.
Canned vegetables. Fremont Canning Company. 385,546; Mar. 11; Serial No. 385,575; published Dec. 31, 1940.
Cheese. Abbotts Dairies, Incorporated. 385,657; Mar. 11; Serial No. 437,051; published Dec. 31, 1940.
Cheese. Cheese Importing Co. 385,655; Mar. 11; Serial No. 437,027; published Dec. 24, 1940.
Coffee. Westfeldt Brothers. 144,972; renewed July 19, 1941.
Coffee and tea. United Coffee Service, Inc. 385,554; Mar. 11; Serial No. 423,245; published Dec. 31, 1940.
Confections, Frozen. Swift and Company. 385,624; Mar. 11; Serial No. 436,585; published Dec. 31, 1940.
Cream containing a vegetable stabilizer. Real Cream Incorporated. 385,631; Mar. 11; Serial No. 436,700; published Dec. 24, 1940.
Dressing, French. E. Cochard. 385,578; Mar. 11; Serial No. 434,014; published Dec. 24, 1940.
Feed, Cattle. Wuichet Products, Inc. 385,588; Mar. 11; Serial No. 435,187; published Dec. 31, 1940.
Flour, bran, and feeds. Standard Milling Company. 385,553; Mar. 11; Serial No. 422,300; published Dec. 31, 1940.
Flour, Self-rising wheat. Colorado Milling & Elevator. 145,063; renewed July 26, 1941.
Flour, Wheat. El Reno Mill & Elevator Co. 143,687; renewed June 7, 1941.
Four, Wheat. Lawrenceburg Roller Mills Co. 385,689; Mar. 11; Serial No. 437,518; published Dec. 31, 1940.
Flour, Wheat. Wichita Mill and Elevator Company. 144,975; renewed July 19, 1941.
Food compound. Basic Industries, Incorporated. 385,723; Mar. 11.
Food for infant feeding. S. M. A. Corporation. 385,668; Mar. 11; Serial No. 437,221; published Dec. 31, 1940.
Food product containing milk with sugar, cocoa, etc. Wander Company. 385,641; Mar. 11; Serial No. 436,828; published Dec. 31, 1940.
Food products. Wander Company. 385,640; Mar. 11; Serial No. 436,827; published Dec. 24, 1940.
Grapes, Fresh. George Brothers. 385,648; Mar. 11; Serial No. 436,929; published Dec. 24, 1940.
Hams, picnics, and bacons. John Morrell & Co. 385,633; Mar. 11; Serial No. 436,731; published Dec. 24, 1940.
Lettuce. W. B. Grainger Packing Company. 385,677; Mar. 11; Serial No. 437,280; published Dec. 31, 1940.
Marmalade. James Robertson & Sons, Preserve Manufacturers Ltd. 143,443; renewed May 31, 1941.
Marshmallow topping. S. Lakoff. 385,586; Mar. 11; Serial No. 435,021; published Dec. 24, 1940.
Mayonnaise. Samuel Mervis Co. 385,619; Mar. 11; Serial No. 436,519; published Dec. 31, 1940.
Milk beverage, and tomato juice, Chocolate. Maryland Beverage Company. 385,570; Mar. 11; Serial No. 432,143; published Dec. 31, 1940.
Mix, Prepared. A. Eisenstein. 385,650; Mar. 11; Serial No. 436,964; published Dec. 24, 1940.
Pie crust. N. Lorenz. 385,665; Mar. 11; Serial No. 437,138; published Dec. 31, 1940.
Pies, cakes, rolls, etc. Farm Crest Bakeries, Incorporated. 385,608; Mar. 11; Serial No. 436,258; published Dec. 31, 1940.
Pineapple, Fresh. Arthur Serra and Co. 385,733; Mar. 11.
Preparation for making jelly composed of dextrose citrus pectin and tartaric acid. Kroger Grocery & Baking Company. 385,709; Mar. 11.
Salad oil, Olives, capers, etc. R. Fablen & Co. Inc. 385,734; Mar. 11.
Sausage. Oscar Mayer & Company. 385,549; Mar. 11; Serial No. 417,468; published Dec. 24, 1940.

CLASS 48

Ale. Victor Brewing Company, 385,610; Mar. 11; Serial No. 436,292; published Dec. 31, 1940.

CLASS 50

Fly-killers or hand devices for killing flies and other insects. United States Manufacturing Corporation, 385,612; Mar. 11; Serial No. 436,330, published Dec. 31, 1940.

Jute webbing. C. Boas, 385,661; Mar. 11; Serial No. 437,081; published Dec. 31, 1940.

Memorials, monuments, and markers. J. R. Hughes, 385,724; Mar. 11.

Pads of composite construction, Table. Miller Table Pad & Venetian Blind Manufacturing Co. Inc., 385,745; Mar. 11.

Pennants, banners, plaques, etc. Future Farmers of America, Inc., 385,647; Mar. 11; Serial No. 436,926; published Dec. 31, 1940.

Poultry supplies, namely, anti-pick devices and parts thereof, fountains, etc. J. C. Crilleshaugh, 385,575; Mar. 11; Serial No. 433,157; published Dec. 31, 1940.

Protective pads for packing and storing hats. J. Louis, 385,651; Mar. 11; Serial No. 436,971; published Dec. 31, 1940.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Babcock, Earl. (See Nelson, R. S., and Babcock.)

Carlson, Hjalmar E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Automatic tobacco feed for cigar machines. Re. 21,742; Mar. 11.

Hoover Company, The. (See Nelson, R. S., and Babcock, assignors.)

Hubbell, Harvey, Long Hill, Conn. Wiring terminal for electrical fittings. Re. 21,743; Mar. 11.

International Cigar Machinery Company. (See Carlson, Hjalmar E., assignor.)

International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)

Metropolitan Engineering Company. (See Murray, Thomas E., assignor.)

Murray, Joseph B., et al., executors. (See Murray, Thomas E.)

Murray, Thomas E., deceased, by J. B. and T. E. Murray, Jr., Brooklyn, N. Y., executors, assignors to Metropolitan Engineering Company, Brooklyn, N. Y. Boiler. Re. 21,745; Mar. 11.

Murray, Thomas E., Jr., executors, et al. (See Murray, Thomas E.)

Nelson, Rudolph S., Larchmont, N. Y., and E. Babcock, Duncan, Okla., assignors to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. Re. 21,744; Mar. 11.

Radio Corporation of America. (See Vance, Arthur W., assignor.)

Rollocurl Corporation. (See Shlicker, Herman C., assignor.)

Rundell, Rupert E., Rockville Centre, N. Y., assignor to International Cigar Machinery Company. Cigar bunch machine. Re. 21,746; Mar. 11.

Schlicker, Herman C., Brooklyn, assignor to Rollocurl Corporation, New York, N. Y. Hair-dressing tool. Re. 21,747; Mar. 11.

Starr, Allan M., assignor, by mesne assignments, to Starr & Sweetland, Piedmont, Calif. Internal combustion engine. Re. 21,750; Mar. 11.

Starr & Sweetland. (See Starr, Allan M., assignor.)

Stemme, Charles A., Large, Pa. Temperature controlled container. Re. 21,748; Mar. 11.

Vance, Arthur W., Haddonfield, N. J., assignor to Radio Corporation of America. Regulating device. Re. 21,749; Mar. 11.

LIST OF DESIGN PATENTEES

Abell Chair & Novelty Mfg. Co. (See Jockwig, P. F., and Hirsch, assignors.)

Allen, Grosvenor N., Oneida, M. P. Fleming, Snyder, and L. E. Ressegger, Oneida, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 125,748; Mar. 11.

American Seating Company. (See Bond, Willard H., Jr., assignor.)

Aronson, Leo, Hillside, assignor to A. L. Siegel Co., Inc., Newark, N. J. Sachet holder. 125,749; Mar. 11.

Bally Manufacturing Co. (See Nelson, N. A., and Gast, assignors.)

Berlin, Augusta, New York, N. Y. Dress. 125,833; Mar. 11.

Berlin, Augusta, New York, N. Y. Dress ensemble. 125,834; Mar. 11.

Berlin, Augusta, New York, N. Y. Dress. 125,835; Mar. 11.

Berlin, Augusta, New York, N. Y. Dress. 125,836; Mar. 11.

Berlin, Augusta, New York, N. Y. Dress. 125,858; Mar. 11.

Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 125,750; Mar. 11.

Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 125,751; Mar. 11.

Blevens, Emmett, Louisville, Ky. Belt-attachment for artificial legs. 125,752; Mar. 11.

Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. 125,793; Mar. 11.

Boye Needle Company, The. (See Davis, Edward D., assignor.)

Brooks, Frances A., New York, N. Y. Textile fabric. 125,794; Mar. 11.

Brown, Paul, Nyack, N. Y. Mourning badge or similar article. 125,753; Mar. 11.

Charles of the Ritz, Inc. (See Colwell, Laurence J., assignor.)

Chicago Bridge & Iron Company. (See Horton, George T., assignor.)

Cohen, David C., et al., copartners. (See Trojan, José, assignor.)

Columbia Protektosite Co. (See Haag, Charles J., assignor.)

Colwell, Laurence J., assignor to Charles of the Ritz, Inc., New York, N. Y. Cosmetic container. 125,754; Mar. 11.

Crystal Manufacturing Co. (See Trojan, José.)

Cummings, Margery, Beverly Hills, Calif. Lapel clip. 125,808; Mar. 11.

D'Addario, Thomas, assignor to Myer Products, Inc., New York, N. Y. Bottle or similar article. 125,755; Mar. 11.

Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Knitting pin. 125,868; Mar. 11.

Day-Brite Lighting, Inc. (See Biller, David J., assignor.)

Dobmeier, Harold J., Kenmore, N. Y. Combined automobile lamp and support therefor. 125,756; Mar. 11.

Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Telephone stand or the like. 125,757; Mar. 11.

Dow Chemical Company, The. (See Phillips, W. D., and Van Fossen, assignors.)

Du Bois, Daniel, Poughkeepsie, N. Y. Barber's cabinet. 125,795; Mar. 11.

Elting, August O., Chicago, Ill. Lamp head. 125,758; Mar. 11.

Elting, August O., Chicago, Ill. Lamp head. 125,759; Mar. 11.

Eureka Vacuum Cleaner Company. (See Schaad, Theodore A., assignor.)

Fields, Pauline E., New York, N. Y. Dress. 125,873; Mar. 11.

Fleming, Mary P. (See Allen, G. N., Fleming, and Ressegger.)

Franklin, Sylvia, New York, N. Y. Dress ensemble. 125,809; Mar. 11.

Franklin, Sylvia, New York, N. Y. Dress. 125,810; Mar. 11.

Franklin, Sylvia, New York, N. Y. Dress. 125,811; Mar. 11.

Freeman, Richard E., assignor to Freeman Shoe Corporation, Beloit, Wis. Shoe or similar article. 125,760; Mar. 11.

Freeman Shoe Corporation. (See Freeman, Richard E., assignor.)

Froelich, George E., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drafting table. 125,761; Mar. 11.

Gansche, Grace, New York, N. Y. Dress ensemble. 125,812; Mar. 11.

Garfinkel, Louis, Providence, R. I. Brooch or similar article. 125,813; Mar. 11.

Gast, George A. (See Nelson, N. A., and Gast.)

General Electric Company. (See Petzold, William B., assignor.)

Gilbert, Alfred O., Chicago, Ill. Dress ensemble. 125,859; Mar. 11.

Gilmore, Thomas A., and L. Junod, Brooklyn, N. Y. Embalming machine. 125,762; Mar. 11.

Goldstein, Morris, New York, N. Y. Advertising display unit. 125,763; Mar. 11.

Goldstein, Sidney S., and J. Lieberman, New York, N. Y. Combined statement, signature and check file. 125,837; Mar. 11.

Graesser, Carl H., Southport, and J. V. Tracy, Fairfield, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Gauge dial or similar article. 125,764; Mar. 11.

Gravenstine, George E., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Portable search lamp. 125,765; Mar. 11.

Haag, Charles J., Carlstadt, assignor to Columbia Protektosite Co., Incorporated, Carlstadt Township, Bergen County, N. J. Pair of goggles. 125,766; Mar. 11.

Haas, Frank A., New York, N. Y. Rug or similar article. 125,860; Mar. 11.

Hamilton Manufacturing Company. (See Froelich, George E., assignor.)

Hardwick & Magee Company. (See Wildgust, Allon, assignor.)
Harris, Herbert M., New York, N. Y. Dress. 125,874; Mar. 11.
Hilts, George F., Grand Rapids, Mich. Holder for fishing poles or the like. 125,767; Mar. 11.
Hirsch, David L. (See Jockwig, P. F., and Hirsch.)
Hobgood, Margaret, New York, N. Y. Dress ensemble. 125,861; Mar. 11.
Hommer, Julius, Newark, N. J., assignor to Lapin Products, Inc., New York, N. Y. Sun glasses. 125,768; Mar. 11.
Horn, Howard, New York, N. Y. Textile fabric. 125,796; Mar. 11.
Horn, Howard, New York, N. Y. Textile fabric. 125,797; Mar. 11.
Horn, Howard, New York, N. Y. Textile fabric. 125,814; Mar. 11.
Horton, George T., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Elevated tank. 125,769; Mar. 11.
Hoshaflan, Lucy, Forest Hills, N. Y. Dress ensemble. 125,869; Mar. 11.
Hoshaflan, Lucy, Forest Hills, N. Y. Dress ensemble. 125,870; Mar. 11.
Housholder, Owen, et al., copartners. (See Trojan, José, assignor.)
International Silver Company. (See Kintz, Alfred G., assignor.)
Jockwig, Paul F., and D. L. Hirsch, New York, assignors to Abell Chair & Novelty Mfg. Co., Inc., Brooklyn, N. Y. Child's toilet seat. 125,770; Mar. 11.
Johnson, Alfred, Chicago, Ill. Shoe. 125,838; Mar. 11.
Junod, Louis. (See Gilmore, T. A., and Junod.)
Kates, George M., New York, N. Y. Textile fabric. 125,798; Mar. 11.
Kiesow, Lothar R., Oak Park, Ill. Christmas tree stand. 125,771; Mar. 11.
Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 125,772; Mar. 11.
Kivelson, Harvey E., Laurence, N. Y. Textile fabric. 125,799; Mar. 11.
Koehring Company. (See Omon, Gene L., assignor.)
Kranz, Herman, Los Angeles, Calif. Liquor serving cabinet. 125,862; Mar. 11.
Lapin Products, Inc. (See Hommer, Julius, assignor.)
Laye, Florence, New York, N. Y. Dress. 125,839; Mar. 11.
Libbey-Owens-Ford Glass Company. (See Doner, Halbert C., assignor.)
Lieberman, Jack. (See Goldstein, S. S., and Lieberman.)
Lum, David H. C., et al. (See Singer, Henry, assignor.)
Lum, Everett H. K., et al. (See Singer, Henry, assignor.)
Macauley, Alan C., Pasadena, Calif. Heel plate for skiing boots. 125,773; Mar. 11.
Madan, Edward K., Maplewood, N. J. Knife. 125,774; Mar. 11.
Maisch, Jacques E., New York, N. Y. Textile fabric. 125,775; Mar. 11.
Mancuso, Marie, New York, N. Y. Dress. 125,840; Mar. 11.
Manning, Maxwell & Moore, Incorporated. (See Graesser, C. H., and Tracy, assignors.)
Marienthal, Paul, Detroit, Mich. Paint stirrer. 125,776; Mar. 11.
Marienthal, Paul, Detroit, Mich. Paint stirrer. 125,777; Mar. 11.
Medgyes, Ladislas, assignor to Helena Rubinstein, Inc., New York, N. Y. Bottle. 125,778; Mar. 11.
Mikkelsen, Thorvald H., Chicago, Ill. Dental brush. 125,779; Mar. 11.
Miller, Katharine S., Des Moines, Iowa. Ash holder. 125,780; Mar. 11.
Montell, Germaine, New York, N. Y. Dress. 125,815; Mar. 11.
Morrow, Arthur H., New York, N. Y. Textile fabric. 125,800; Mar. 11.
Myer Products, Inc. (See D'Addario, Thomas, assignor.)
Nagle, Reginald A., Rochester, N. Y. Display box. 125,781; Mar. 11.
Nelson, Nels A., and G. A. Gast, assignors to Bally Manufacturing Co., Chicago, Ill. Marksmanship apparatus cabinet. 125,782; Mar. 11.
Nichols, Edgar B., Morristown, N. J. Combined magnifying lens and pencil cap or similar article. 125,801; Mar. 11.
Omon, Gene L., assignor to Koehring Company, Milwaukee, Wis. Combination dirt carrying and dumping vehicle. 125,863; Mar. 11.
Oneida Ltd. (See Allen, G., Fleming, and Rossegger, assignors.)
Panzer, William C., assignor to Russakov Can Company, Chicago, Ill. Cigarette dispenser. 125,783; Mar. 11.
Parke, Davis & Company. (See Schutz, Thomas A., assignor.)
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Duplicator. 125,784; Mar. 11.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 125,816; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,817; Mar 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,818; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,819; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,820; Mar. 11
Philippe, Alfred, New York, N. Y. Pin clip. 125,821; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,822; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,823; Mar. 11.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 125,824; Mar. 11.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 125,825; Mar. 11.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 125,826; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,841; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,842; Mar. 11.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 125,843; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,844; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,845; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,846; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,847; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,848; Mar. 11.
Philippe, Alfred, New York, N. Y. Pin clip. 125,849; Mar. 11.
Phillips, Willard D., and R. A. Van Fossen, Chicago, Ill., assignors to The Dow Chemical Company, Midland, Mich. Portable degreasing unit. 125,802; Mar. 11.
Price, Blanche, Chicago, Ill. Dress. 125,827; Mar. 11.
Rossegger, Lloyd E. (See Allen, G. N., Fleming, and Rossegger.)
Richards, Julia, Brooklyn, N. Y. Dress ensemble. 125,864; Mar. 11.
Rohkar, Charles E., Tulsa, Okla. Advertising sign. 125,785; Mar. 11.
Rosenstein, Nettie, New York, N. Y. Suit. 125,828; Mar. 11.
Rosenstein, Nettie, New York, N. Y. Suit. 125,850; Mar. 11.
Rosenstein, Nettie, New York, N. Y. Dress. 125,875; Mar. 11.
Ross, Sidney, New York, N. Y. Textile fabric. 125,865; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,803; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,804; Mar. 11.
Roth, Andrew W., New York, N. Y. Scarf or similar article. 125,805; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,806; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,851; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,852; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,853; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,854; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,866; Mar. 11.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,867; Mar. 11.
Rothchild, Gertrude, New York, N. Y. Dress ensemble. 125,876; Mar. 11.
Rubin, Noah, New York, N. Y. Novelty pin. 125,829; Mar. 11.
Rubinstein, Helena, Inc. (See Medgyes, Ladislas, assignor.)
Russakov Can Company. (See Panzer, William C., assignor.)
Schaad, Theodore A., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Rotary brush for vacuum cleaners. 125,786; Mar. 11.
Schutz, Thomas A., Chicago, Ill., assignor to Parke, Davis & Company, Detroit, Mich. Counter display case. 125,787; Mar. 11.
Sherman, Sylvia, New York, N. Y. Textile fabric. 125,871; Mar. 11.
Sherman, Sylvia, New York, N. Y. Textile fabric. 125,872; Mar. 11.
Siegel, A. L., Co. (See Aronson, Leo, assignor.)
Singer, Henry, assignor of one-fourth to E. H. K. Lum and one-fourth to D. H. C. Lum, Honolulu, Hawaii. Quoit. 125,788; Mar. 11.
Staehle, Bruno, New York, N. Y. Suit. 125,830; Mar 11.
Staehle, Bruno, New York, N. Y. Dress ensemble. 125,831; Mar. 11.
Steinhard, Ernst, London, England. Building block. 125,789; Mar. 11.
Taft, Marian H., Washington, D. C. Belt. 125,877; Mar. 11.

Thacher, Sheldon P., Grosse Point, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 125,790; Mar. 11.
Thomson, S. H., Manufacturing Company, The. (See Gravenstine, George E., assignor.)
Tracy, Joseph V. (See Graesser, C. H., and Tracy.)
Trojan, José, assignor to O. Housholder and D. C. Cohen, doing business as Crystal Manufacturing Co., Chicago, Ill. Merchandise display case. 125,791; Mar. 11.
United States Rubber Company. (See Thacher, Sheldon P., assignor.)
Van Fossen, Ralph A. (See Phillips, W. D., and Van Fossen.)
Volf, Christian A., Van Nuys, Calif. Hearing aid amplifier. 125,832; Mar. 11.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 125,855; Mar. 11.
Wildgust, Allon, assignor to Hardwick & Magee Company, Philadelphia, Pa. Carpet or similar article. 125,792; Mar. 11.
Wilkins, Frederick, Brooklyn, N. Y. Dress. 125,878; Mar. 11.
Wolf, Semon, New York, N. Y. Slip. 125,879; Mar. 11.
Wolf, Semon, New York, N. Y. Slip. 125,880; Mar. 11.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 125,807; Mar. 11.
Zimmerman, Samuel, New York, N. Y. Coat. 125,856; Mar. 11.
Zuckerman, Samuel G., Brooklyn, N. Y. Height indicating rule slide. 125,857; Mar. 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbey Photo Corporation. (See Prager, Gustav, assignor.)
Abbott Laboratories. (See Moore, Marjorie B., assignor.)
Abrams, Neil B., assignor to Gibson, Inc., Kalamazoo, Mich. Tuning device for violins and the like. 2,234,218; Mar. 11.
Adolph, Gustav, Solin, Germany, and M. E. Bretschger, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Manufacture of hydrogen peroxide. 2,234,908; Mar. 11.
Aime, Frank L., assignor to Anaconda Wire & Cable Company, New York, N. Y. Terminal enclosure. 2,234,662; Mar. 11.
Ajax Manufacturing Company, The. (See Gaines, Frederick W., 3rd., assignor.)
Alexander, Claude H., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plasticizer. 2,234,615; Mar. 11.
Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Sound producing device for toys. 2,234,837; Mar. 11.
Allen, Wayne H., Lynn, Mass., assignor to General Electric Company. Cooling arrangement for gas turbines. 2,234,792; Mar. 11.
Allen, Wayne H., Lynn, Mass., assignor to General Electric Company. Gas turbine. 2,234,793; Mar. 11.
Alley, James G., Greensboro, N. C. Store and store counter. 2,234,424; Mar. 11.
Altman, Fred E., and F. A. Tompkins, assignors to Eastman Kodak Company, Rochester, N. Y. Photo copying machine. 2,234,717; Mar. 11.
American Bemberg Corporation. (See Hoelkeskamp, Franz, assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Peters, John F., assignor.)
American Can Company. (See Preis, Carl G., assignor.)
American Concrete and Steel Pipe Company. (See Grant, Floyd N., assignor.)
American District Telegraph Company. (See Hopkins, Richard M., assignor.)
American Enka Corporation. (See Bakker, Willem, assignor.)
American Enka Corporation. (See Bredee, Hendrik L., assignor.)
American Machine & Foundry Company. (See Jackson, J., and Schmidt, assignors.)
American Machinery Corporation. (See Kennedy, M. D., and Johnson, assignors.)
Amiot, Félix, Neuilly-sur-Seine, France. Device for the filling of tanks. 2,234,393; Mar. 11.
Amiot, Félix, Neuilly-sur-Seine, France. Aerial navigation machine. 2,234,394; Mar. 11.
Anaconda Wire & Cable Company. (See Aime, Frank L., assignor.)
Anagno, John N., Lynn, Mass. Faucet. 2,234,816; Mar. 11.
Anderegg, Frederick O., Mount Union, Pa. Reinforcing building units. 2,234,663; Mar. 11.
Anderson, Clarence T. (See Dean, R. S., and Anderson.)
Anderson, David L. (See Wight, E. H., and Anderson.)
Anderson, Dwight D., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,234,219; Mar. 11.
Anderson, John F., Chicago, Ill. Rubber heel. 2,234,542; Mar. 11.
Anderson, John F., Chicago, Ill. Rubber heel. 2,234,887; Mar. 11.
Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Feed table. 2,234,162; Mar. 11.
Andre, Charles H. (See Sutton, Robert W., assignor.)
Anglada, Joseph A., New York, N. Y. Zero lash device. 2,234,718; Mar. 11.
Antonietti, Silvio, Philadelphia, Pa. Automobile jack. 2,234,220; Mar. 11.
Arey, Fred C., Freeport, and De L. E. Hibner, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Apparatus for cleaning cylinder heads. 2,234,909; Mar. 11.
Arzet, Paul, and G. O. Lorenz, assignors to Kennedy Car Liner and Bag Company, Inc., Shelbeyville, Ind. Meat cover. 2,234,794; Mar. 11.
Ashworth, Fred, Wenham, and C. W. Baker, Stoneham, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of moccasins. 2,234,543; Mar. 11.
Ashworth, Fred, Wenham, and C. W. Baker, Stoneham, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lasting clamp. 2,234,544; Mar. 11.
Asper, Kaare O., Honolulu, Hawaii, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,234,851; Mar. 11.

Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Associated Electric Laboratories, Inc. (See Otterbacher, Elliott H., assignor.)
Associated Electric Laboratories, Inc. (See Robinson, H. C., and Nelson, assignors.)
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,234,719; Mar. 11.
Atkin, George H. (See Loveless, John M., assignor.)
Atlas Powder Company. (See Huyett, Daniel D., assignor.)
Atlas Powder Company. (See Soltzberg, Sol, assignor.)
Audubon Wire Cloth Corporation. (See Guba, Raymond J., assignor.)
 Afer, László, Jackson Heights, N. Y., assignor to J. R. Newman, Washington, D. C., as trustee. Manufacture of vulcanized, modified fatty oils. 2,234,545; Mar. 11.
Austin, M. B., Company, The. (See Austin, Merritt B., Jr., assignor.)
Austin, Merritt B., Jr., Winnetka, assignor to The M. B. Austin Company, Chicago, Ill. Service fitting. 2,234,840; Mar. 11.
Autogiro Company of America. (See de La Cierva, J., and Ellis, assignors.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Avery, Clarence W., and C. H. Widman, Detroit, and N. C. Clark, Pleasant Ridge, assignors to The Murray Corporation of America, Detroit, Mich. Vehicle body. 2,234,221; Mar. 11.
Baerer, Eugene A., Ridgefield, N. J. Boiler tube shield. 2,234,222; Mar. 11.
Baker, Corwin W. (See Ashworth, F., and Baker.)
Bakker, Willem, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Apparatus for the manufacture of artificial silk. 2,234,616; Mar. 11.
Balfe, George T. (See Diehl, L. H., Balfe, and Denman.)
Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Fabric spreading device. 2,234,223; Mar. 11.
Banovic, William H., Milwaukee, Wis. Sleeve construction. 2,234,604; Mar. 11.
Barber, Alfred W., Flushing, N. Y. Automatic fidelity control. 2,234,514; Mar. 11.
Barber-Colman Company. (See Nolting, Martin N., assignor.)
Barron, Joseph M., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Cracking hydrocarbon oils. 2,234,910; Mar. 11.
Basch, Olive H., Westfield, N. J. Coverall garment. 2,234,546; Mar. 11.
Bander, Raymond E., Chicago, Ill. Card holding means. 2,234,395; Mar. 11.
Bauer, Karl, Vienna, Austria, assignor of forty-five per cent to A. Doeschner, Lugano Ruvigliana, Switzerland. Optical prism. 2,234,605; Mar. 11.
Bauer & Schaurte. (See Schaurte, W. T., and Lange, assignors.)
Baumann, Emil. (See Zetzsche, W., Schiele, Ludwig, Rodenacker, Baumann, and Hartmuth.)
Baumann, Ernst, Berlin-Spandau, Germany, assignor to Westinghouse Electric & Manufacturing Company. Turbine locomotive. 2,234,361; Mar. 11.
Baumgartner, John G., assignor to National Brush Company, Aurora, Ill. Brushmaking machinery. 2,234,641; Mar. 11.
Bay, May, assignor of one-half to J. Ermantraut and one-half to G. F. Paluecek, both of St. Louis, Mo. Bass violin strummer. 2,234,224; Mar. 11.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method of and apparatus for smoothing shoe uppers. 2,234,547; Mar. 11.
Beandett, Alcide E. (See Bundy, P. M., and Beaudett.)
Beck, John D., M. E. Powell, and J. E. Hagood, Montgomery, Ala. Toy. 2,234,617; Mar. 11.
Becker, Emil, Munich, Germany. Apparatus for stretching operations. 2,234,225; Mar. 11.
Behrndt, Lewis J. (See Donovan, T. S., and Behrndt.)
Beidler, George C., Rochester, N. Y. Web conveying machine. 2,234,297; Mar. 11.
Bell Telephone Laboratories, Incorporated. (See Budenbom, Horace T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Depp, Wallace A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ranges, John E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wrathall, Leishman R., assignor.)

Bellis Heat Treating Co., The. (See Jessop, Louis, assignor.)
Below, Fritz, Klein-Machnow, near Berlin, P. Lindner, Berlin-Lankwitz, and E. Schwartz, Berlin-Lichterfelde, assignors to the firm Telefunken Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Projection receiver. 2,234,227; Mar. 11.
Bender, Jacob A., North Bergen, N. J. Combination holder. 2,234,618; Mar. 11.
Bendix Aviation Corporation. (See Linthwaite, Owen C., assignor.)
Bendix Aviation Corporation. (See Robertson, Edwin A., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)
Benjamin Electric Mfg. Company. (See Hedges, Albert R., assignor.)
Bennett Incorporated. (See Strovink, Florian A., assignor.)
Bentz, Wolfgang H., assignor, by mesne assignments, to Melitta-Werke Bentz & Sohn, Minden, Germany. Filtering device for the production of beverages, such as tea and coffee. 2,234,397; Mar. 11.
Bernhardt, Karl, Vienna, Austria, assignor, by court order, to K. Hofbauer, Vienna, Germany. Cigarette case having an extractible petrol lighter. 2,234,362; Mar. 11.
Bertalan, Edward, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Article coating machine. 2,234,586; Mar. 11.
Betts, Orville R., J. W. Nevius, and W. P. Hendrickson, assignors to Zenith Progressive Photography Inc., Long Beach, Calif. Apparatus for applying photographic emulsion upon stationery and the like. 2,234,922; Mar. 11.
Birmingham Small Arms Company Limited, The. (See Talt, J. N. H., and Blagden, assignors.)
Bishop, Clarence M., Charlottesville, Va. Loom. 2,234,619; Mar. 11.
Blackburn, Ernest L., Haddon Heights, N. J., assignor to Korb-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa. Belt conveyer. 2,234,537; Mar. 11.
Blackburn, Oswald B. (See Clough, D., and Blackburn.)
Blagden, William M. (See Talt, J. N. H., and Blagden.)
Blagden, William M., Farnborough, England. Steering mechanism for motor vehicles. 2,234,888; Mar. 11.
Bloch, Leon, Cleveland, Ohio. Plumbing fixture. 2,234,226; Mar. 11.
Blood Brothers Machine Company. (See Harrington, George R., assignor.)
Blott, John F. T., and J. A. Rawlinson, London, England, assignors to Shell Development Company, San Francisco, Calif. Cement-bitumen grout. 2,234,642; Mar. 11.
Boccasile, Graziano I., West Springfield, Mass. Materials testing apparatus. 2,234,228; Mar. 11.
Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Valve mechanism for unloading compressors. 2,234,462; Mar. 11.
Bolle, Léon, assignor to La Nationale S. A., Geneva, Switzerland. Wick cap securing device for pyrophoric lighters. 2,234,298; Mar. 11.
Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Ultra high frequency radio direction finding. 2,234,331; Mar. 11.
Botley, Richard M., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Conveyer. 2,234,620; Mar. 11.
Boulton, John, and T. H. Morton, Braintree, assignors to Courtaulds Limited, London, England. Dyeing of cellulosic textile materials. 2,234,889; Mar. 11.
Brady, Frank W., San Francisco, Calif. Manufacture of snow ice. 2,234,425; Mar. 11.
Brannon, James L., Plainfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y. Phenolic resin. 2,234,548; Mar. 11.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oil. 2,234,549; Mar. 11.
Bredee, Hendrik L., Breda, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of viscose solutions. 2,234,626; Mar. 11.
Bretschger, Max E. (See Adolph, G., and Bretschger.)
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Control system for automotive vehicles. 2,234,463; Mar. 11.
Brewer, Nathaniel, Cleveland, Ohio, assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,234,332; Mar. 11.
Bridgeman, Ralph C., Fresno, assignor of one-fourth to R. Henry and one-fourth to J. E. Henry, both of Santa Monica, Calif. Automatic fuel burner. 2,234,550; Mar. 11.
Briggs Manufacturing Company. (See Ball, Albert P., assignor.)
Briskman, Albert H. (See Briskman, Alex, assignor.)
Briskman, Alex, assignor of fifty per cent to A. H. Briskman, Baltimore, Md. Emergency safety wheel. 2,234,838; Mar. 11.
Bristol Company, The. (See MacLaren, Fred B., Jr., assignor.)
Bristow, James J. R. (See Skinner, B. C., and Bristow.)

Brous, Samuel L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making a composite article. 2,234,621; Mar. 11.
Brousseau, Henry E., Southbridge, Mass. Differential mechanism. 2,234,890; Mar. 11.
Brown, George H., Haddonfield, J. Epstein, Camden, and R. F. Lewis, Runnemede, N. J., assignors to Radio Corporation of America. Demountable antenna. 2,234,333; Mar. 11.
Brown, Kenneth C., Evanston, and F. J. Weyher, Chicago, Ill., said Weyher assignor to said Brown. Humidity control apparatus. 2,234,858; Mar. 11.
Brown, Robert J., assignor of one-half to Economy Iron Works, Inc., New Orleans, La. Valve controlling means. 2,234,795; Mar. 11.
Brown, Wiley G., Charlotte, N. C. Lubrication apparatus. 2,234,229; Mar. 11.
Bruecker, John, Chicago, Ill. Shaving implement. 2,234,891; Mar. 11.
Bruecker, John, Chicago, Ill. Shaver. 2,234,892; Mar. 11.
Bruecker, John, Chicago, Ill. Shaving implement. 2,234,893; Mar. 11.
Bruecker, John, Chicago, Ill. Making comb for shaving implements. 2,234,894; Mar. 11.
Brueggeman, John T., Winnetka, Ill. Safetypin. 2,234,852; Mar. 11.
Brueggeman, John T., Winnetka, Ill. Snap hook. 2,234,853; Mar. 11.
Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Apparatus for making light sensitive prints. 2,234,796; Mar. 11.
Brunner, Arnold, and G. von Finck, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Impregnating fibrous material and the material thus obtained. 2,234,363; Mar. 11.
Buckeye Steel Castings Company, The. (See Orr, Claude L., assignor.)
Budenbom, Horace T., Short Hills, N. J. assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio direction finding system. 2,234,587; Mar. 11.
Budenbom, Horace T., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balanced vacuum tube circuit. 2,234,687; Mar. 11.
Budner, Anton E. (See Steinle, J. V., and Budner.)
Buffalo Electro-Chemical Company. (See Adolph, G., and Bretschger, assignors.)
Buffington, Albert B., Baltimore, Md. System of program transmission. 2,234,817; Mar. 11.
Bulford, Murray N., Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., New York, N. Y. Dyeing machine for marquisettes and method of dyeing. 2,234,666; Mar. 11.
Bulman, Elvah O., Grand Rapids, Mich. Paper roll holder. 2,234,818; Mar. 11.
Bundy, Paul M., and A. E. Beaudett, Albuquerque, N. Mex. Welding clamp. 2,234,396; Mar. 11.
Bundy Tubing Company. (See Quarnstrom, Bert L., assignor.)
Burckhalter, James A., Barnwell, S. C. Distributor head and conductor for internal combustion engines. 2,234,688; Mar. 11.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Beneficiating naphthas. 2,234,538; Mar. 11.
Burke, Theodore, Cleveland, Ohio, assignor to J. C. Lincoln, Scottsdale, Ariz. Spring structure for cushioned seats. 2,234,230; Mar. 11.
Burner, Clarence M., South Laguna, Calif. Slab construction. 2,234,797; Mar. 11.
Burroughs Adding Machine Company. (See Fettig, Arthur J., assignor.)
Butcher, Marion W., Minneapolis, Minn. Tool for disassembling and reassembling brake heads and pistons. 2,234,819; Mar. 11.
Caldor, Louis J., New York, N. Y. Coffee brewing device. 2,234,464; Mar. 11.
Campbell, Joseph W. (See Fullington, Lynn, assignor.)
Campbell, Sterling H., and F. H. Pletzsch, assignors to Western Railway Equipment Company, St. Louis, Mo. Floor clip. 2,234,231; Mar. 11.
Carberry, Francis J. (See Carberry, James F., assignor.)
Carberry, James F., assignor to F. J. Carberry, Worcester, Mass. Mechanical football dummy. 2,234,364; Mar. 11.
Carl, Heinrich, assignor to Henschel & Sohn, Gesellschaft mit beschrankter Haftung, Kassel, Germany. Steam locomotive driven by high speed piston steam engines. 2,234,365; Mar. 11.
Carrel, Alexis A., and A. Carrel, née de la Motte, Paris, France. Cradle for infants. 2,234,515; Mar. 11.
Carrel, Anne, née de la Motte. (See Carrel, Alexis A. and A.)
Carroll, Thomas, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Elevating device for combines. 2,234,465; Mar. 11.
Carter, Wesley H., Sulphur, Okla. Animal holder. 2,234,366; Mar. 11.
Case, J. I., Company. (See Geraldson, Gerald, assignor.)
Case, J. I., Company. (See Larsen, Carl B., assignor.)
Cederlund, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Control for loom transfer mechanism. 2,234,622; Mar. 11.

Celanese Corporation of America. (See Groombridge, W. H., and Newns, assignors.)
Century Metalcraft Corporation. (See Hayden, Samuel, assignor.)
Century Metalcraft Corporation. (See Hayden, Samuel and B. B., assignors.)
Cerveny, James P., Yakima, and W. F. Priest, Rosalia, Wash. Oscillator tube relay control. 2,234,895; Mar. 11.
Chambers, Edwin G., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,234,232; Mar. 11.
Chard, George P., Elmwood Park, assignor of one-half to J. M. Sachs, Chicago, Ill. Hydraulic brake mechanism. 2,234,689; Mar. 11.
Chesny, Heinz H., San Mateo, Calif., assignor to Marine Magnesium Products Corporation. Manufacture of activated magnesium oxide. 2,234,367; Mar. 11.
Chicago Development Company. (See Dean, Reginald S., assignor.)
Chicago Development Company. (See Dean, R. S., and Anderson, assignors.)
Chicago Die Casting Manufacturing Company. (See Koch, Paul F., assignor.)
Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)
Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)
Chicago Flexible Shaft Company. (See Jepson, Ivar, assignor.)
Chicago Flexible Shaft Company. (See Lynch, John W., assignor.)
Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)
Christy, William, Pontiac, Mich. Auxiliary bicycle seat. 2,234,296; Mar. 11.
Ciaccio, Peter L., assignor to H. R. Crane, doing business as Flexible Sewer Rod Equipment Co., Los Angeles, Calif. Safety rod turning device. 2,234,398; Mar. 11.
Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., and Heer, assignors.)
Clark Equipment Company. (See Asper, Kaare O., assignor.)
Clark, J Allen, Atlanta, Ga. Fishhook. 2,234,516; Mar. 11.
Clark, Noble C. (See Avery, C. W., Widman, and Clark.)
Clough, David, and O. B. Blackburn, Borley, near Leeds, assignors of one-third to Henry Lister & Sons Limited, Pudsey, Yorkshire, England. Bobbin-cleaning apparatus for use on automatic weft replenishing bobbin-changing looms. 2,234,300; Mar. 11.
Cochrane Corporation. (See Kittredge, Arthur E., assignor.)
Coffman, Alden W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Laminated building sheet. 2,234,517; Mar. 11.
Cohen, Berry, Atlanta, Ga. Bicycle stand. 2,234,859; Mar. 11.
Coleman, Gerald H. (See Moyle, C. L., and Coleman.)
Collaud, Charles, Geneva, Switzerland, assignor to the firm Givaudan-Delawanna Inc., New York, N. Y. Preparation of lactones. 2,234,551; Mar. 11.
Collins, Arnold M. (See Starkweather, H. W., and Collins.)
Collins, Joseph L. (See Robinson, P., and Collins.)
Comet Model Airplane & Supply Company. (See Goldberg, Carl, assignor.)
Concordia Elektrizitäts-Aktiengesellschaft. (See Göhre, Ernst, assignor.)
Conlon, Thomas A. (See Gurney, D. A., and Conlon.)
Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container closure and seal. 2,234,485; Mar. 11.
Continental Gin Company. (See Deems, Frank E., assignor.)
Cooke, Ernest A., assignor to Kapella Limited, Leicester, England. Apparatus for truing grinding and abrasive wheels. 2,234,539; Mar. 11.
Cooley, Elmer C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Ornamental band for washing machine tubs. 2,234,368; Mar. 11.
Cooley, Floyd A., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Control panel and power control for vehicle door instrumentalities. 2,234,426; Mar. 11.
Cope, Harry A., Akron, Ohio. Fishhook spreader. 2,234,588; Mar. 11.
Copperweld Steel Company. (See Schmalz, James H., assignor.)
Corey, Mark O., Los Angeles, Calif. Workbox. 2,234,233; Mar. 11.
Cork, Edward C., Ealing, London, and J. L. Pawsey, Ickenham, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Aerial or aerial system. 2,234,234; Mar. 11.
Courtaulds Limited. (See Boulton, J., and Morton, assignors.)
Courtaulds, Limited. (See Tallis, Ernest E., assignor.)
Cox, Claude E., Detroit, Mich. Film slide holder. 2,234,427; Mar. 11.
Craig, Ernest, Falconbridge Township, Ontario, Canada. Detachable bit for rock drills. 2,234,486; Mar. 11.
Craig, Samuel W., Stafford, Kans. Mud line pressure control valve. 2,234,798; Mar. 11.
Crane, Hubert R. (See Ciaccio, Peter L., assignor.)
Crever, Frederick E., and J. R. Kilander, Schenectady, N. Y., assignors to General Electric Company. Electric regulator. 2,234,747; Mar. 11.
Cribben and Sexton Company. (See Wilkinson, G. D., and Kelly, assignors.)
Crompton & Knowles Loom Works. (See Cederlund, Albert, assignor.)
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crouse, Oliver P., assignor to The Richland Auto Parts Company Inc., Mansfield, Ohio. Control device. 2,234,623; Mar. 11.
Crown Cork & Seal Company. (See Huntley, G. J., and Stewart, assignors.)
Crown Cork & Seal Company. (See Rendall, William S., assignor.)
Crucible Steel Company of America. (See McIntosh, Frederick F., assignor.)
Currie, William E. (See Linckh, Eduard, assignor.)
Cuzdey, Michael J., Delmar, N. Y. Gun sight. 2,234,518; Mar. 11.
Dalton, Frederick C., Portland, Oreg. Split skirt piston expander. 2,234,519; Mar. 11.
Daly, George F. (See Fuller, F. Ia., and Daly.)
D'Amico, Peter, Brooklyn, N. Y. Wooden barrel. 2,234,667; Mar. 11.
Davenport, James M., Detroit, Mich. Timed automatic tuning device for radio receivers. 2,234,668; Mar. 11.
Davidson, Glenn. (See Lofgren, Frederick V., assignor.)
Davis, Byron R., Dallas, Tex. Grave marker. 2,234,369; Mar. 11.
Davis, Clarence J., Ludlow, Vt. Ski press. 2,234,487; Mar. 11.
Davis, Harry A., Hopedale, Mass. Parallel motion picker stick mechanism for looms. 2,234,860; Mar. 11.
Davis, Ralph C., Akron, and C. W. Graham, Parma, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Sequence controller. 2,234,911; Mar. 11.
Davis, William H., Miami, Fla. Fastener or clothespin. 2,234,624; Mar. 11.
Davison Chemical Corporation, The. (See Wight, E. H., and Anderson, assignors.)
Dean, Reginald S., Washington, D. C., assignor to Chicago Development Company, Chicago, Ill. Manganese alloy. 2,234,428; Mar. 11.
Dean, Reginald S., and C. T. Anderson, Salt Lake City, Utah, assignors to Chicago Development Company, Chicago, Ill. Preparation of high expansion alloys. 2,234,748; Mar. 11.
Dean, Reginald S., Washington, D. C., and C. T. Anderson, Pittsburgh, Pa., assignors to Chicago Development Company, Chicago, Ill. Hardened nonferrous alloy. 2,234,552; Mar. 11.
Deems, Frank E., Birmingham, Ala., assignor to Continental Gin Company. Mechanism for opening huller gin breasts. 2,234,429; Mar. 11.
Deere & Company. (See Forsberg, Swan H., assignor.)
Deere & Company. (See Norman, Clifford, assignor.)
Degener, Edward K., Los Angeles, Calif. Clamp for perforated sheet material. 2,234,938; Mar. 11.
De la Cierva, Juan, Aldwych, London, and G. B. L. Ellis, Thames Ditton, England, assignors, by mesne assignments, to Autogiro Company of America. Rotative-winged aircraft. 2,234,466; Mar. 11.
De Lisle, Harold L., Sheboygan, Wis. Draftsman's mobile straightedge. 2,234,467; Mar. 11.
De Lorenzo, Thomas, West Medford, Mass. Game. 2,234,468; Mar. 11.
De Niederhäusern, Georges, E. Escher, and C. Hofmann, assignors to the firm Durand & Huguenin S. A., Basel, Switzerland. Production of fast dyeings and printings by means of ester salts of leuco vat-dyestuffs. 2,234,301; Mar. 11.
Denman, Harry B. (See Diehl, L. H., Balfe and Denman.)
Depp, Wallace A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inverter oscillator. 2,234,690; Mar. 11.
De Shong, Arthur H., Dumas, Tex. Packing. 2,234,520; Mar. 11.
De Tar, Donald R., Stratford, Conn., assignor to General Electric Company. Electron discharge apparatus. 2,234,720; Mar. 11.
Detroit Gasket & Mfg. Co. (See Diehl, L. H., Balfe and Denman, assignor.)
De Turk, William N., Hatfield, Pa. Trigonometric identifier. 2,234,896; Mar. 11.
De Vilbiss Company, The. (See Lambert, H. C., and Garnsey, assignors.)
Dichter, Jakob, Berlin-Schoneberg, Germany. Apparatus for forming inner threads on containers. 2,234,302; Mar. 11.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor unloading valve mechanism. 2,234,469; Mar. 11.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Valve mechanism for unloading compressors. 2,234,470; Mar. 11.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor unloading valve mechanism. 2,234,488; Mar. 11.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,234,724; Mar. 11.
Dickey, Joseph B., and J. B. McNally, Rochester, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn treating process and composition therefor. 2,234,721; Mar. 11.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and composition therefor. 2,234,722; Mar. 11.
Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Treating cellulose derivative materials. 2,234,861; Mar. 11.
Dickey, Joseph B., and W. H. Strain, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,234,723; Mar. 11.
Diehl, Lloyd H., G. T. Balfe, and H. B. Denman, assignors to Detroit Gasket & Mfg. Co., Detroit, Mich. Oil seal. 2,234,625; Mar. 11.
Dietzel, Adolf, Berlin-Zehlendorf, Germany. Method and apparatus for producing glass filaments. 2,234,521; Mar. 11.
Distillation Products, Inc. (See Hickman, Kenneth, C. D., assignor.)
Doerr, Carl F., Jamaica, N. Y. Game device. 2,234,725; Mar. 11.
Doeschner, Alfred. (See Bauer, Karl, assignor.)
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Electron discharge circuit. 2,234,691; Mar. 11.
Donovan, Thomas S., and L. J. Behrndt, assignors to Eastman Kodak Company, Rochester, N. Y. Making p-nitrosophenol. 2,234,692; Mar. 11.
Doucette, Lawrence, Venosta, Quebec, Canada. Combination salt and pepper shaker. 2,234,749; Mar. 11.
Dougherty, Patrick H., Waynesboro, Va. Window blind. 2,234,399; Mar. 11.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical contact means. 2,234,820; Mar. 11.
Dow Chemical Company, The. (See Grether, E. F., and Du Vall, assignors.)
Dow Chemical Company, The. (See Moyle, C. L., and Coleman, assignors.)
Drechsel, Paul. (See Spindler, K. P., and Drechsel.)
Drummond, Robert S., assignor to National Broach & Machine Company, Detroit, Mich. Multiple station surface finishing machine. 2,234,553; Mar. 11.
Dubusc, Roger, Paris, France. Protection device for electrical networks. 2,234,235; Mar. 11.
Duby, Luther F., Kansas City, Mo. Picture hanger. 2,234,821; Mar. 11.
Duennebier, Fred C. (See Normington, J. B., and Duennebier.)
Duisberg, Walther H. (See Zetzsche, W., Schiele and Hartmuth, assignors.)
Duisberg, Walther H. (See Zetzsche, W., Schiele, Ludwig, Rodenacker, Baumann, and Hartmuth, assignors.)
Dumur, Frank. (See Riepert, Hermann, assignor.)
Dunham, Morton L., Vancouver, British Columbia, Canada. Heating device. 2,234,628; Mar. 11.
Du Pont, E. I., de Nemours & Company. (See Edgar, Donald E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Elley, H. W., and Waddell, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lanning, Daniel D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, W. A., and Rigby, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Laughlin, assignors.)
Du Pont, E. I., de Nemours & Company. (See Sparks, Chiles E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Starkweather, H. W., and Collins, assignors.)
Du Pont, E. I., de Nemours & Company. (See Starkweather, H. W., and Youker, assignors.)
Du Pont, E. I., de Nemours & Company. (See Walker, Herbert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Youker, Mortimer A., assignor.)
Durand & Huguenin S. A. (See de Niederhäusern, Escher, and Hofmann, assignors.)
Du Vall, Russell B. (See Grether, E. F., and Du Vall.)
Dyer, Roy, Sprague, Wash. Battery carrier. 2,234,589; Mar. 11.
Dzlewior, Kurt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Impulse method of direction finding. 2,234,334; Mar. 11.
Eason, Sidney L., Charleston, S. C. Roofing or like structure. 2,234,799; Mar. 11.
Eastern Specialty Company, The. (See Markley, Kenneth C., assignor.)
Eastman Kodak Company. (See Altman, F. E., and Tompkins, assignors.)
Eastman Kodak Company. (See Dickey, Joseph B., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)
Eastman Kodak Company. (See Dickey, J. B., and Strain, assignors.)
Eastman Kodak Company. (See Donovan, T. S., and Behrndt, assignors.)
Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)
Eastman Kodak Company. (See Hughey, Carter J., assignor.)
Eastman Kodak Company. (See Martin, Lawrence R., assignor.)
Eastman Kodak Company. (See McDowell, W. H., and Kenyon, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastman Kodak Company. (See Normington, J. B., and Duennebier, assignors.)
Eastman Kodak Company. (See Ort, Carl, assignor.)
Eastman Kodak Company. (See Wellman, Howard C., assignor.)
Eastman Kodak Company. (See Wood, Donald L., assignor.)
Easy Washing Machine Corporation. (See Cooley, Elmer C., assignor.)
Eaton Manufacturing Company. (See Wallace, William H., assignor.)
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,234,897; Mar. 11.
Eby, Hugh H., Inc. (See Sutter, Samuel, assignor.)
Echterling, Hubert H., East Chicago, Ind. Combination spacer and form support. 2,234,335; Mar. 11.
Eckert, Richard, Valley Stream, N. Y. Burner for alcohol and like fluids. 2,234,854; Mar. 11.
Economy Iron Works, Inc. (See Brown, Robert J., assignor.)
Edgar, Donald E., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated material and making the same. 2,234,236; Mar. 11.
Edlson, Thomas A., Incorporated. (See Grierson, Paul S., assignor.)
Edmunds, William H., Denver, Colo. Extinction type exposure meter. 2,234,336; Mar. 11.
Edwards, Charles E. (See Reinhold, F. W., and Edwards.)
Edwards, George N., assignor to The Ohio Rubber Company, Willoughby, Ohio. Making floor coverings and the like. 2,234,839; Mar. 11.
Efird, Crayon C. (See Marshall, William L., assignor.)
Eger, Adolf, et al. (See Wold, Wilhelm P.)
Elastic Stop Nut Corporation. (See Hungerford, Daniel C., assignor.)
Electrical & Musical Industries Limited. (See Cork, E. C., and Pawsey, assignors.)
Elite-Diamantwerke Aktiengesellschaft. (See Mehnert, Volkhart W., assignor.)
Elley, Harold W., Wilmington, Del., and J. Waddell, Metuchen, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovering vitamins. 2,234,554; Mar. 11.
Ellis, Francis C., Chicago, Ill. Galvanometer. 2,234,430; Mar. 11.
Ellis, George B. L. (See de la Cierva, J., and Ellis.)
England, Alex E., Seattle, Wash. Double shearing lawn edger. 2,234,370; Mar. 11.
Epstein, Jess. (See Brown, G. H., Epstein and Lewis.)
Erickson, John A., Jackson, Mich. Fuel treating system. 2,234,555; Mar. 11.
Ermantraut, Joseph, et al. (See Bay, May, assignor.)
Escher, Erich. (See de Niederhäusern, G., Escher, and Hofmann.)
Essential Oil Producers, Inc. (See Skinner, B. C., and Bristow, assignors.)
Essex, Alois, Ridgewood, and E. P. Ross, Forest Hills, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Variable speed device. 2,234,337; Mar. 11.
Evans, C. Lawrence, et al., trustees. (See Geis, George F., assignor.)
Evans, Randolph, Bronxville, and T. H. Joseph, Mamaroneck, assignors to Monthly Small House Club, New York, N. Y. Heating system. 2,234,590; Mar. 11.
Evans, Theodore W., and J. R. Scheibli, Oakland, and G. H. van de Griendt, assignors to Shell Development Company, San Francisco, Calif. Purification of polyhydric alcohols. 2,234,400; Mar. 11.
Excelsior Loom Reed Works, Inc. (See Hornig, Arno, assignor.)
Exhibit Supply Company, The. (See Meyer, John F., assignor.)
Eyer, Harold R., Long Beach, Calif. Game. 2,234,627; Mar. 11.
Falk, Morris, Leominster, assignor to Independent Lock Company, Fitchburg, Mass. Knob spindle lock. 2,234,912; Mar. 11.
Farkas, Emil N., and F. F. Farkas, Chicago, Ill. Binding and method of making. 2,234,401; Mar. 11.
Farkas, Frank F. (See Farkas, Emil N., and F. F.)
Faulkner, Albert N., Tilghman, Md. Method and apparatus for boning and cutting fish. 2,234,431; Mar. 11.
Faybor, Frober, Company. (See Frohring, W. O., Selbert, and Tabor, assignors.)

Feist, Herbert E., New York, N. Y. Coating. 2,234,237; Mar. 11.

Ferm, John F., and E. W. Hopper, Midland, assignors to Pittsburgh Crucible Steel Company, Pittsburgh, Pa. Method and apparatus for cleaning metal strip. 2,234,593; Mar. 11.

Fernseh Aktiengesellschaft. (See Below, F., Lindner, and Schwartz, assignors.)

Fettig, Arthur J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,234,669; Mar. 11.

Fetz, Erich, Newark, N. J., assignor to Hardy Metallurgical Corporation, New York, N. Y. Manufacture of composite bearings. 2,234,371; Mar. 11.

Flandach, Joseph, Fairport, N. Y. Sanitary hand pad. 2,234,670; Mar. 11.

Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Ruska, Ernst, assignor.)

Firestone Tire & Rubber Company, The. (See Davis, R. C., and Graham, assignors.)

Firestone Tire & Rubber Company, The. (See Kubaugh, LeRoy M., assignor.)

Fischer, Walter, Furstenwalde, near Berlin, and K. Otto, Ketschendorf, near Berlin, Germany. Insulated electrical conductor and its production. 2,234,323; Mar. 11.

Fites, Cyril B., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Valve mechanism for unloading compressors. 2,234,471; Mar. 11.

Fitzner, Ernst, Stuttgart-Wangen, assignor to Dr. Ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany. Self-locking differential mechanism. 2,234,591; Mar. 11.

Fitzner, Ernst, Stuttgart-Wangen, assignor to Dr. Ing h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany. Self-locking differential mechanism. 2,234,592; Mar. 11.

Fleet, Reuben H., W. B. Wheatley, and I. M. Laddon, San Diego, Calif. Supporting carriage. 2,234,522; Mar. 11.

Fleet, Reuben H., W. B. Wheatley, and I. M. Laddon, San Diego, Calif. Launching airplanes from water. 2,234,750; Mar. 11.

Fleet, Reuben H., W. B. Wheatley, and I. M. Laddon, San Diego, Calif. Take-off control and method. 2,234,751; Mar. 11.

Fleet, Reuben H., W. B. Wheatley, and I. M. Laddon, San Diego, Calif. Holding device for an airplane. 2,234,752; Mar. 11.

Flexible Sewer Rod Equipment Co. (See Ciaccio, Peter L.)

Flush Hydrant Corp. (See Scott, Carlyle H., and P. H., assignors.)

Focke-Wulf Flugzeubau G. m. b. H. (See Tank, Kurt, assignor.)

Food Machinery Corporation. (See Pixton, Andrew C., assignor.)

Ford, Ben K., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for producing an insulated core. 2,234,671; Mar. 11.

Ford Instrument Company. (See Essex, A., and Ross, assignors.)

Forsberg, Swan H., assignor to Deere & Company, Moline, Ill. Lubricating fitting. 2,234,238; Mar. 11.

Forsberg, Swan H., assignor to Deere & Company, Moline, Ill. Bearing and making the same. 2,234,822; Mar. 11.

Franke, Edward P., Baltimore, Md., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article and making the same. 2,234,338; Mar. 11.

Franke, Heinrich, Berlin-Charlottenburg, assignor to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany. Identification device. 2,234,339; Mar. 11.

Frankenstein, William P., Cincinnati, Ohio. Collapsible container. 2,234,402; Mar. 11.

Frazer, James S., Earleville, Md., assignor, by mesne assignments, to York Ice Machinery Corporation, York, Pa. Heat exchange apparatus. 2,234,753; Mar. 11.

Frazier, Philip A., Oak Park, Ill. Rotary press. 2,234,720; Mar. 11.

Frazier, Philip A., Oak Park, Ill. Applying liquid films in printing. 2,234,727; Mar. 11.

Freel, John A., Bay City, Mich. Surgical scissors. 2,234,472; Mar. 11.

Freeman, Harold H., Ririe, Idaho. Oscillating hinge attachment for connecting bin frames to combines. 2,234,629; Mar. 11.

Freudenhammer, Klaus, Berlin-Charlottenburg, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung, "Hermes", Berlin, Germany. Automatic regulation and control of the electrodes of an electric arc furnace. 2,234,230; Mar. 11.

Friedman, Alma M. (See Friedman, Harold V., assignor.)

Friedman, Harold V., Las Vegas, Nev., assignor of one-half to A. M. Friedman, Dallas, Tex. Refrigerating apparatus. 2,234,372; Mar. 11.

Frink, Gerald, assignor to Washington Iron Works, Seattle, Wash. Change-speed mechanism. 2,234,693; Mar. 11.

Frohring, William O., Cleveland Heights, and H. F. Seibert, and J. M. Tabor, assignors to Frober Faybor Company, Cleveland, Ohio. Instrument for determining vitamin A deficiency. 2,234,240; Mar. 11.

Fryer, Louis S., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of staple fiber yarn. 2,234,540; Mar. 11.

Fuel Refining Corporation. (See Otto, C., and Grasshoff, assignors.)

Fuller, Frederick L., and G. F. Daly, West Orange, N. J., assignors to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,234,241; Mar. 11.

Fuller, Louis E., New York, N. Y. Stencil sheet and forming the same. 2,234,694; Mar. 11.

Fullington, Lynn, assignor of one-fourth to J. W. Campbell, Anderson, Ind. Battery terminal clamp. 2,234,630; Mar. 11.

Fulwider, Forest L., Anamosa, Iowa. Churn support. 2,234,524; Mar. 11.

Fürst, Stefan. (See Reiners, W., Kahlisch, and Fürst.)

G. W. B. Electric Furnaces Limited. (See MacDonald, James, assignor.)

Gabel, Herman W., San Francisco, Calif. Drapery support. 2,234,594; Mar. 11.

Gaines, Frederick W., 3rd, Cleveland, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Feeding and straightening means. 2,234,728; Mar. 11.

Gallo, Mario, San Francisco, Calif. Machine for forming plastic materials. 2,234,432; Mar. 11.

Gano, Orville, Burley, Idaho, assignor to Potato Corporation of Idaho, Garwood, N. J. Extruding device. 2,234,595; Mar. 11.

Garnsey, Squire E. (See Lambert, H. C., and Garnsey.)

Garrison, Ranald M., and D. C. Sharp, assignors to Mission Manufacturing Company, Houston, Tex. Square bowl tubing spider. 2,234,480; Mar. 11.

Geigy, J. R., A. G. (See Pfeiffer, Siegfried, assignor.)

Geis, George F., Johnstown, Pa., assignor to W. G. Heiner and C. L. Evans, trustees. Damper regulating system for fuel burning apparatus. 2,234,840; Mar. 11.

Gehenheimer, William, Baldwin, N. Y. Ink fountain mixer and agitator. 2,234,754; Mar. 11.

General Aniline & Film Corporation. (See Roos, Hans, assignor.)

General Electric Company. (See Allen, Wayne H., assignor.)

General Electric Company. (See Atchison, Leonard W., assignor.)

General Electric Company. (See Crever, F. E., and Kilander, assignors.)

General Electric Company. (See De Tar, Donald R., assignor.)

General Electric Company. (See Dome, Robert B., assignor.)

General Electric Company. (See Gibson, Albert E., assignor.)

General Electric Company. (See Hanna, Max R., assignor.)

General Electric Company. (See Haskell, Orin S., assignor.)

General Electric Company. (See Hewlett, Clarence W., assignor.)

General Electric Company. (See Jones, Benjamin W., assignor.)

General Electric Company. (See Larrecq, Anthony J., assignor.)

General Electric Company. (See Puffer, Samuel R., assignor.)

General Electric Company. (See Schurig, Otto R., assignor.)

General Electric Company. (See Steenstrup, Christian, assignor.)

General Electric Company. (See Thomas, Henry P., assignor.)

General Electric Company. (See West, Harry R., assignor.)

General Engineering Company, The. (See Riddell, William A., assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Hull, Harry B., assignor.)

General Motors Corporation. (See Joyce, William J., Jr., assignor.)

General Motors Corporation. (See McCormack, Alex A., assignor.)

General Motors Corporation. (See Pearce, George C., assignor.)

General Motors Corporation. (See Rippingille, Edward V., assignor.)

General Motors Corporation. (See Schjolin, Eric O., assignor.)

General Motors Corporation. (See Smith, Harry F., assignor.)

General Time Instruments Corporation. (See Traeger, Elmer A., assignor.)

George, Ralph W. (See Trevor, B., and George.)

George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. High frequency coupling system. 2,234,556; Mar. 11.

Geraldson, Gerald, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Power lift. 2,234,923; Mar. 11.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch throw-out bearing. 2,234,755; Mar. 11.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Friction clutch. 2,234,756; Mar. 11.

Gibson, Albert E., Lynn, Mass., assignor to General Electric Company. Cooling arrangement for gas turbines. 2,234,757; Mar. 11.

Gibson, Inc. (See Abrams, Neil B., assignor.)

Gibson, Inc. (See Moore, John J., assignor.)

Gilbert, Ida B., East Orange, assignor of one-half to R. B. Kingman, Orange, and one-fourth to W. A. Stewart, East Orange, N. J. Culinary tool. 2,234,242; Mar. 11.

Gilbert, Reuben S., assignor of fifty per cent to H. W. Michalke, and fifty per cent to G. A. Michalke, Denver, Colo. Electric music instrument. 2,234,490; Mar. 11.

Gillis, Randall, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for forming metal. 2,234,340; Mar. 11.

Givandan-Delawanna Inc. (See Collaud, Charles, assignor.)

Gleason, C. Roy, Chicago, Ill., assignor to Insolna Corporation, New Orleans, La. Protective composition. 2,234,672; Mar. 11.

Goertzen, William S., Newton, Kans. Bob for fishing lines. 2,234,243; Mar. 11.

Göbre, Ernst, assignor to Concordia Elektrizitäts-Aktiengesellschaft, Dortmund, Germany. Apparatus for producing foam for extinguishing fires. 2,234,631; Mar. 11.

Goldberg, Carl, Chicago, Ill., assignor to Comet Model Airplane & Supply Company, Incorporated. Engine mounting for toy airplanes. 2,234,758; Mar. 11.

Goldner, Isidore, Brooklyn, N. Y. Data-revealing device. 2,234,341; Mar. 11.

Goldsmith, Bertram J., Neshanic, N. J. Method of and apparatus for winding and unwinding materials for dyeing and for other purposes. 2,234,800; Mar. 11.

Goldwyn, George L., et al. (See Waldman, N., and Pollmac, assignors.)

Goldwyn, Herman, et al. (See Waldman, N., and Pollmac, assignors.)

Gönczi, Sophie, New York, N. Y. Reserve tray for refrigerators. 2,234,862; Mar. 11.

Gong Bell Manufacturing Company, The. (See Allen, Harold D., assignor.)

Goodell, Robert H., Maplewood, and C. W. Roser, Irvington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,234,342; Mar. 11.

Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)

Goodman Manufacturing Company. (See Wood, Frank J., assignor.)

Goodrich, B. F., Company, The. (See Alexander, Claude H., assignor.)

Goodrich, B. F., Company, The. (See Brous, Samuel L., assignor.)

Goodrich, B. F., Company, The. (See Spence, David, assignor.)

Goodrich, B. F., Company, The. (See Trumbull, Harlan L., assignor.)

Goodrich, B. F., Company, The. (See Wolf, Ralph F., assignor.)

Goodrich, Everett C., Los Angeles, Calif. Pneumatic tire boot or liner. 2,234,403; Mar. 11.

Görlich, Paul, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photoelectric tube. 2,234,801; Mar. 11.

Gossel, Erich, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Radio communication system. 2,234,244; Mar. 11.

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric heater. 2,234,373; Mar. 11.

Graf, August V. (See Schworm, W. B., and Graf.)

Graham, Clarence W. (See Davis, R. C., and Graham.)

Graham, Maurice H., St. Louis Park, Minn., assignor to McGraw Electric Company, Chicago, Ill. Automatic toaster. 2,234,759; Mar. 11.

Grant, Floyd N., South Gate, Calif., assignor to American Concrete and Steel Pipe Company. Pipe joint for concrete pipe. 2,234,643; Mar. 11.

Graper, Leslie G. (See Ramsey, E. L., and Graper.)

Grasshoff, Eberhard. (See Otto, C., and Grasshoff.)

Gray, Frank C., assignor to M. Mitchell, Los Angeles, Calif. Heat radiating device. 2,234,303; Mar. 11.

Gray, John C. (See Hatcher, J. S., and Gray.)

Green, Walter F., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel pump. 2,234,924; Mar. 11.

Greenawalt, William E., Denver, Colo. Metallurgical apparatus. 2,234,473; Mar. 11.

Gregory, Carey G., Los Angeles, Calif. Desk set. 2,234,304; Mar. 11.

Grether, Ernest F., and R. B. Du Vall, assignors to The Dow Chemical Company, Midland, Mich. Ether esters of halogenated salicyclic acids. 2,234,374; Mar. 11.

Grierson, Paul S., Millburn, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Container structure. 2,234,673; Mar. 11.

Grimes, George L., Portsmouth, Va. Escape device for vessels. 2,234,404; Mar. 11.

Groombridge, Walter H., and J. E. Newns, Spondon, near Derby, England, assignors to Celanese Corporation of America. Metallic composition. 2,234,245; Mar. 11.

Groombridge, Walter H., and J. E. Newns, Spondon, near Derby, England, assignors to Celanese Corporation of America Metallic composition. 2,234,246; Mar. 11.

Guarcello, Louis, Silver Creek, N. Y. Sheet metal awning. 2,234,760; Mar. 11.

Guba, Raymond J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa. Wire fabric. 2,234,247; Mar. 11.

Guldbech, Carl C., Bronx, N. Y. Apparatus for forming twist dough. 2,234,525; Mar. 11.

Guldbech, Carl C., New York, N. Y. Twisting dough. 2,234,526; Mar. 11.

Gurney, Dayton A., Landover, and T. A. Conlon, Silver Spring, Md. Draft coupling. 2,234,163; Mar. 11.

Gustavson, Alvin N., assignor to Automatic Voting Machine Corporation, Jamestown, N. J. Voting machine. 2,234,632; Mar. 11.

Hagood, James E. (See Beck, J. D., Powell, and Hagood.)

Haines, John E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic reset mechanism. 2,234,913; Mar. 11.

Hall, Harry C., and G. O. Puerner, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Push-button switch. 2,234,405; Mar. 11.

Hamilton, Francis E. (See Lake, C. D., and Hamilton.)

Hamilton, Frank, et al. (See Liebert, Frank, assignor.)

Hancock Manufacturing Company. (See Marple, Rollo, assignor.)

Hanford, Raymond C., Aurora, Ohio. Job planning device. 2,234,248; Mar. 11.

Hanford, Raymond C., Aurora, Ohio. Production planning means. 2,234,249; Mar. 11.

Hanna, Max R., Erie, Pa., assignor to General Electric Company. Brush holding device. 2,234,695; Mar. 11.

Hardinge Brothers, Inc. (See O'Connell, James R., assignor.)

Hardy Metallurgical Corporation. (See Fetz, Erich, assignor.)

Harpootlian, Carnig A., Brooklyn, assignor to Modern Accessories, Inc., New York, N. Y. Interchangeable stippling roller. 2,234,761; Mar. 11.

Harrah, John L., Akron, Ohio. Piston construction. 2,234,762; Mar. 11.

Harrington, George R., Kalamazoo, assignor to Blood Brothers Machine Company, Allegan, Mich. Distributing machine. 2,234,343; Mar. 11.

Harris, Clarence P., New York, N. Y., assignor, by mesne assignments, to United States Metal Powders, Inc., Baltimore, Md. Production of metallic pigment paste. 2,234,164; Mar. 11.

Harris, John L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,234,250; Mar. 11.

Harshaw Chemical Company, The. (See Stillwell, William D., assignor.)

Hartmann, Henry, assignor to United American Metals Corporation, Brooklyn, N. Y. Metal melting method and apparatus. 2,234,898; Mar. 11.

Hartmuth, Richard. (See Zetzsche, W., Schiele and Hartmuth.)

Hartmuth, Richard. (See Zetzsche, W., Schiele, Ludwig, Rodenacker, Baumann and Hartmuth.)

Hascher, Eugene. (See Thorn, P. M., Parlini, Recker and Hascher.)

Haskell, Orin S., Schenectady, assignor to General Electric Company. Baking oven. 2,234,730; Mar. 11.

Hassan, Kenneth. (See Tomalino, Julian F., assignor.)

Hastings, Russell, Jr., Wellesley Hills, assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck for pallets and the like. 2,234,925; Mar. 11.

Hatch, Richard A., New Rochelle, N. Y., assignor to Talon, Inc. Separable fastener. 2,234,939; Mar. 11.

Hatcher, Julian S., Annapolis, Md., and J. C. Gray, Washington, D. C. Projectile. 2,234,165; Mar. 11.

Hatfield, Clyde, Helena, Mont., and L. C. Hatfield, Glide, Oreg., assignors of one-third to S. V. Hatfield, Richmond, Calif. Poultry feeder. 2,234,406; Mar 11

Hatfield, Leslie C. (See Hatfield, Clyde, and L. C.)

Hatfield, Stanley V. (See Hatfield, Clyde, and L. C., assignors.)

Haunz, Charles F., Maywood, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery electrode. 2,234,731; Mar. 11.

Haunz, Charles F., Maywood, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery electrode. 2,234,732; Mar. 11.

Hawaiian Pineapple Company. (See Botley, Richard M., assignor.)

Hayden, Barney B. (See Hayden, Samuel, and B. B.)

Hayden, Samuel, assignor to Century Metalcraft Corporation, Chicago, Ill. Making aluminum ware. 2,234,491; Mar. 11.

Hayden, Samuel, and B. B., assignors to Century Metalcraft Corporation, Chicago, Ill. Ricer construction. 2,234,251; Mar. 11.

Hedges, Albert R., Chicago, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Swivel seat construction. 2,234,344; Mar. 11.

Heer, Jules. (See Miescher, K., and Heer.)

Heetkamp, Heinrich, Buderich, Bezirk Dusseldorf, Germany. Process and apparatus for expanding tubes. 2,234,863; Mar. 11.

Heilman, Joseph R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooking appliance. 2,234,596; Mar. 11.
Heiner, William G., et al, trustees. (See Geis, George F., assignor.)
Hendrickson, Wilhelm P. (See Betts, O. R., Nevius, and Hendrickson.)
Henry, James E., et al. (See Bridgeman, Ralph C., assignor.)
Henry, Ruth, et al. (See Bridgeman, Ralph C., assignor.)
Henry, William F., North Braddock, Pa. Antiskid device. 2,234,492; Mar. 11.
Henschel & Sohn, Gesellschaft mit beschrankter Haftung. (See Carl, Heinrich, assignor.)
Herglotz, Franz, Karlsbad, Czechoslovakia. Method of and apparatus for briquetting fine-grained, pulverulent or dust-fine material. 2,234,644; Mar. 11.
Hershberg, Samuel, Brooklyn, N. Y. Camera. 2,234,345; Mar. 11.
Hetzelt, Alfred, Kenmore, N. Y. Snowplow. 2,234,645; Mar. 11.
Hewel, Frank B., Pittsburgh, Pa. Nonskid tire. 2,234,823; Mar. 11.
Hewlett, Clarence W., Schenectady, N. Y., assignor to General Electric Company. Photoelectric cell. 2,234,696; Mar. 11.
Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)
Hibner, De Los E. (See Arey, F. C., and Hibner.)
Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation. 2,234,166; Mar. 11.
Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for optical scanning. 2,234,697; Mar. 11.
Higgins, Andrew J., assignor to Higgins Industries, Inc., New Orleans, La. Air cushioned boat hull. 2,234,899; Mar. 11.
Higgins Industries, Inc. (See Higgins, Andrew J., assignor.)
Higham, William W., Detroit, and S. H. Morse, Dearborn, assignors to Universal Cooler Corporation, Detroit, Mich. Refrigeration. 2,234,474; Mar. 11.
Hill-Shaw Company. (See Matson, Leroy A., assignor.)
Hingeco Vanities, Inc. (See Migliaccio, Christopher L., assignor.)
Hoagland, Walter H., Webster Groves, Mo., assignor to Shell Development Company, San Francisco, Calif. Apparatus for vaporizing liquid fuel. 2,234,407; Mar. 11.
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoelkeskamp, Franz, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Crimped thread. 2,234,763; Mar. 11.
Hofbauer, Karl. (See Bernhardt, Karl, assignor.)
Hofmann, Christian. (See de Niederhäusern, G., Escher, and Hofmann.)
Hollingsworth, Maurice H., Miami Beach, Fla. Clock horn button. 2,234,527; Mar. 11.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check for looms. 2,234,597; Mar. 11.
Holmes, Raymon T., assignor to Worcester Baking Company, Worcester, Mass. Machine for slitting rolls. 2,234,841; Mar. 11.
Homan, Edward C., East Orange, assignor to Irvington Varnish & Insulator Co., Irvington, N. J. Sized cloth base and product made therewith. 2,234,252; Mar. 11.
Homosote Company. (See Lyman, Harold T., assignor.)
Hooker Electrochemical Company. (See Maude, Aylmer H., assignor.)
Hopkes, Henry, Grosse Pointe, assignor to No-Sag Spring Company, Detroit, Mich. Spring support. 2,234,253; Mar. 11.
Hopkins, Richard M., Keansburg, N. J., assignor to American District Telegraph Company, Inc., New York, N. Y. Self-restoring alarm system. 2,234,940; Mar. 11.
Hoppe, Anthony J., Detroit, Mich., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,234,633; Mar. 11.
Hopper, Edward W. (See Ferm, J. F., and Hopper.)
Horn, A. C., Company. (See Olze, Frederick W. A., assignor.)
Hornig, Arno, assignor to Excelsior Loom Reed Works, Inc., Pawtucket, R. I. Loom reed. 2,234,408; Mar. 11.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,234,167; Mar. 11.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Nozzle and closure therefor. 2,234,168; Mar. 11.
Houdry, Eugene J., Philadelphia, Pa., and R. C. Lassiat, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del. Converter and fluid manifolding device therefor. 2,234,169; Mar. 11.
Houdry Process Corporation. (See Houdry, E. J., and Lassiat, assignors.)
Howard, James H., assignor to McEvoy Company, Houston, Tex. Well completing device. 2,234,493; Mar. 11.
Howton, James O., Freewater, Oreg., assignor to Howton Radio Alarm Company, Seattle, Wash. Radio alarm system. 2,234,598; Mar. 11.
Howton Radio Alarm Company. (See Howton, James O., assignor.)
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Preparing printing plates for application to printing cylinders. 2,234,170; Mar. 11.
Hughes By-Product Coke Oven Corporation. (See Hughes, Charles H., assignor.)
Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y. Broad coke oven. 2,234,171; Mar. 11.
Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y. Broad coke oven. 2,234,172; Mar. 11.
Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y. Broad coke oven. 2,234,173; Mar. 11.
Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y. Broad coke oven. 2,234,174; Mar. 11.
Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Enlarging camera. 2,234,698; Mar. 11.
Hull, Harry B., assignor to General Motor Corporation, Dayton, Ohio. Refrigerating apparatus. 2,234,254; Mar. 11.
Humphrey, Loyd W., Detroit, Mich. Nursing bottle holder. 2,234,409; Mar. 11.
Humphries, Chad H., Glencoe, Ill., assignor to Insolna Corporation, New Orlean, La. Water resistant alkali silicate composition. 2,234,646; Mar. 11.
Hungerford, Daniel C., Madison, assignor to Elastic Stop Nut Corporation, Elizabeth, N. J. Anchor nut. 2,234,557; Mar. 11.
Hunsaker, Claude H., University City, Mo. Load transfer apparatus. 2,234,255; Mar. 11.
Huntley, George J., and R. J. Stewart, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling head. 2,234,305; Mar. 11.
Huston, Tom, Hartford, Conn. Combined dispensing and applying device. 2,234,558; Mar. 11.
Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Container for explosives. 2,234,699; Mar. 11.
Hyndman, Meade, St. Louis, Mo. Display device. 2,234,475; Mar. 11.
I. G. Farbenindustrie Aktiengesellschaft. (See Brunner, A., and von Finck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nüssiein, J., and von Finck, assignors.)
I-T-E Circuit Breaker Company. (See Kneass, Edwards, assignor.)
Illinois Tool Works. (See Poupitch, Ougljesa J., assignor.)
Imperial Chemical Industries Limited. (See Saunders, Kenneth H., assignor.)
Independent Lock Company. (See Falk, Morris, assignor.)
Industrial Patents Corporation. (See Newton, Roy C., and Phelps, assignors.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Industrial Rayon Corporation. (See Fryer, Louis S., assignor.)
Industrial Rayon Corporation. (See Kline, Hayden B., assignor.)
Ingersoll-Rand Company. (See Mack, Albert R., assignor.)
Inland Steel Company. (See Smith, Wallace W., assignor.)
Insolna Corporation. (See Gleason, C. Roy, assignor.)
Insolna Corporation. (See Humphries, Chad H., assignor.)
Insulite Company, The. (See Wunderlich, Milton S., assignor.)
International Business Machines Corporation. (See Fuller, F. L., and Daly, assignors.)
International Business Machines Corporation. (See Lake, Clair D., assignor.)
International Business Machines Corp. (See Lake, C. D., and Hamilton, assignors.)
International Business Machines Corporation. (See Torkelson, Torkel E., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Staple and Machine Company. (See Schafroth, Werner, assignor.)
Ireland, Murray, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill. Electric toaster. 2,234,764; Mar. 11.
Irvington Varnish & Insulator Co. (See Homan, Edward C., assignor.)
Isaacson, Max. (See Rehse, Frank H.)
Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)
Iverson, Richard F., New York, N. Y. Pen filling ink bottle. 2,234,256; Mar. 11.
Ives, Clifford E., Chicago, Ill. Circuit breaker. 2,234,346; Mar. 11.
Jackson, Albert, Butte, Mont. Firecracker holder. 2,234,864; Mar. 11.
Jackson, John, Brooklyn, and A. J. Schmidt, Glendale, N. Y., assignors to American Machine & Foundry Company. Packaging machine. 2,234,175; Mar. 11.
Jacobs, Joseph D., White Plains, N. Y. Building construction. 2,234,559; Mar. 11.

Jacobson, Charles, New York, assignor to S & S Corrugated Paper Machinery Company, Inc., Brooklyn, N. Y. Miter gear adjustment for running register. 2,234,674; Mar. 11.
Janes, Ralph R., assignor to Roanoke Mills, Inc., Roanoke, Va. Attachment for dyeing yarns. 2,234,914; Mar. 11.
Jefferson Electric Company. (See Schmidt, Lambert, assignor.)
Jeffrey, Wallace L., Fulton, Mo. Tree mover. 2,234,433; Mar. 11.
Jendrassik, George, Budapest, Hungary. Compressor or pump of the rotary blades type. 2,234,733; Mar. 11.
Jenkins, Homer T., Chicago, Ill. Rake. 2,234,865; Mar. 11.
Jensen, Christian B., St. Paul, Minn. Snowplow. 2,234,176; Mar. 11.
Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric motor. 2,234,926; Mar. 11.
Jessop, Louis, Bradford, England, assignor to The Bellis Heat Treating Co., Branford, Conn. Electrode. 2,234,476; Mar. 11.
Johnson, Charles F., assignor to Reed Roller Bit Company, Houston, Tex. Valve. 2,234,434; Mar. 11.
Johnson, Frederick H., Ferndale, Mich. Conducting cable. 2,234,435; Mar. 11.
Johnson, Gustave A., Irvington, N. J. Armored electric cable. 2,234,675; Mar. 11.
Johnson, John G. (See Kennedy, M. D., and Johnson.)
Johnson, S. C., & Son, Inc. (See Steinle, J. V., and Budner, assignors.)
Johnson, S. C., & Son, Inc. (See Steinle, J. V., and McLoud, assignors.)
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Tractor-mounted receptacle. 2,234,599; Mar. 11.
Jolly, Samuel E., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Lubricating oil. 2,234,915; Mar. 11.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,234,700; Mar. 11.
Jones, Leo D., assignor to The Sharples Corporation, Philadelphia, Pa. Dewaxing hydrocarbon oils. 2,234,916; Mar. 11.
Jones, Nelson M., Hatchville, Mass. Internal combustion engine and method of operation. 2,234,900; Mar. 11.
Jones, Nelson M., Hatchville, Mass. Attachment for internal combustion engines. 2,234,901; Mar. 11.
Jordan, Hubert F., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Producing perforate films or sheets. 2,234,842; Mar. 11.
Joseph, Theodore H. (See Evans, R., and Joseph.)
Joyce, William J., Jr., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Friction clutch. 2,234,765; Mar. 11.
Jubilee Manufacturing Company. (See Nielsen, Peter, assignor.)
Jung, Albert H., Flushing, assignor to United American Metals Corporation, Brooklyn, N. Y. Rotatable ingot mold. 2,234,528; Mar. 11.
Jurasek, Othmar, Vienna, Germany. Refrigerator. 2,234,306; Mar. 11.
Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)
Kahlisch, Gustav. (See Reiners, W., Kahlisch, and Fürst.)
Kanhofer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of olefin hydrocarbons. 2,234,177; Mar. 11.
Kantorowicz, Julius, New York, N. Y., now by judicial change of name Julius Kent, assignor to Kent Chemical Corporation. Delustered artificial silk and manufacturing same. 2,234,307; Mar. 11.
Kapella Limited. (See Cooke, Ernest A., assignor.)
Karst, Sylvester F., and F. F. Manor, Oshkosh, assignor of one-third to T. W. Meiklejohn, Fond du Lac, Wis. Brake. 2,234,257; Mar. 11.
Katcher, Morris, New York, N. Y. Clutch throw-out bearing. 2,234,843; Mar. 11.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,234,258; Mar. 11.
Kaufmann, Hans P., Munster, Westfalen, Germany. Pyrazolone-sulphonic acids and making the same. 2,234,866; Mar. 11.
Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)
Kehle, Ottmar A., West Los Angeles, Calif., assignor to Sterling Tool Products Company. Fluid motor. 2,234,647; Mar. 11.
Keith, Percival C., Jr., Peapack, N. J. Synthesizing hydrocarbons. 2,234,941; Mar. 11.
Kelleher, Thomas J., Chicago, Ill. Bending brake. 2,234,178; Mar. 11.
Kelly, William D. (See Wilkinson, G. D., and Kelly.)
Kelly, William D., Western Springs, assignor to Stewart-Warner Corporation, Chicago, Ill. Door construction. 2,234,259; Mar. 11.
Kendall, James W. (See Potter, C. E., and Kendall.)
Kennedy Car Liner and Bag Company. (See Arzet, P., and Lorenz, assignors.)
Kennedy, Mabry D., and J. G. Johnson, assignors to American Machinery Corporation, Orlando, Fla. Brushing machine for rollable objects. 2,234,766; Mar. 11.
Kennelly, Jeremiah D., Oak Park, Ill. Headlight. 2,234,600; Mar. 11.
Kent Chemical Corporation. (See Kantorowicz, Julius, assignor.)
Kenyon, William O. (See McDowell, W. H., and Kenyon.)
Keppel, Louis W., Bayonne, N. J. Emergency skid chain snake. 2,234,902; Mar. 11.
Keyes, John J., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Covered wire. 2,234,560; Mar. 11.
Kilander, James R. (See Crever, F. E., and Kilander.)
Kimble Glass Company. (See Koenig, Robert H., assignor.)
King, Bertell W., Brooklyn, N. Y. Inclinometer. 2,234,436; Mar. 11.
Kingman, Russell B., et al. (See Gilbert, Ida B., assignor.)
Kingston Products Corporation. (See Douglas, Harry A., assignor.)
Kingston, Robert P., Indianapolis, Ind. Bushing puller. 2,234,824; Mar. 11.
Kinney, Bert A., Marshall, Tex. Device for opening and closing gates. 2,234,802; Mar. 11.
Kirsch Company. (See Kirsch, Guy W., assignor.)
Kirsch, Guy W., assignor to Kirsch Company, Sturgis, Mich. Extension curtain rod. 2,234,260; Mar. 11.
Kistler, Samuel S., West Boylston, Mass. Device for timing a chemical reaction. 2,234,437; Mar. 11.
Kitroser, Isaac, Viroflay, assignor to Société Bronzavia, Courbevoie, Seine, France. Photographic camera. 2,234,410; Mar. 11.
Klittredge, Arthur E., Audubon, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Liquid proportioning system. 2,234,561; Mar. 11.
Kline, Hayden B., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Incorporating water-repellent pigments in viscose. 2,234,734; Mar. 11.
Klopfer, Max, Woodside, and M. Rothschild, New York, N. Y. Baby crib. 2,234,562; Mar. 11.
Kneass, Edwards, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit controlling device. 2,234,563; Mar. 11.
Knox, Harry A., Washington, D. C. Transmission. 2,234,179; Mar. 11.
Koch, Paul F., Oak Park, Ill., assignor to Chicago Die Casting Manufacturing Company. Variable pitch pulley. 2,234,917; Mar. 11.
Koenig, Robert H., assignor to Kimble Glass Company, Vineland, N. J. Vial necking machine. 2,234,308; Mar. 11.
Kolbe, Joachim, Detroit, Mich. Automotive vehicle. 2,234,676; Mar. 11.
Koppers, August, Bochum, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Method and contrivance for leveling the coal charge of coke ovens. 2,234,825; Mar. 11.
Koppers Company. (See Koppers, August, assignor.)
Koppers Company. (See Koppers, Heinrich, assignor.)
Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Quenching tower for coking plants. 2,234,826; Mar. 11.
Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Leveling beam for horizontal chamber ovens producing gas and coke. 2,234,827; Mar. 11.
Korb-Pettit Wire Fabrics & Iron Works, Inc. (See Blackburn, Ernest L., assignor.)
Kothny, Gottdank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Tool removing device. 2,234,438; Mar. 11.
Kramer, Albert. (See Rich, H. B., and Kramer.)
Krechler Mfg. Co. (See Rowe, Donald E., assignor.)
Kroff, Leonard D., Sterling, Ill. Potato slicing machine. 2,234,867; Mar. 11.
Kroll, Nathan J. (See Kroll, Samuel and N. J.)
Kroll, Samuel, and N. J. Kroll, Chicago, Ill. Two-way spring for infants' cribs. 2,234,261; Mar. 11.
Kromholz, Edward J., Rockford, Ill. Automatic speed signal device. 2,234,309; Mar. 11.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker control system. 2,234,375; Mar. 11.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker control system. 2,234,376; Mar. 11.
Kubaugh, LeRoy M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Link for endless traction belts. 2,234,927; Mar. 11.
Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,234,928; Mar. 11.
Kury, Philip J. (See Brewer, Charles A., assignor.)
Lackey, Robert M., Waterford, and A. J. Walter, Jr., Cohoes, N. Y., said Walter, Jr., assignor to said Lackey. Carrying device. 2,234,180; Mar. 11.
Laddon, Isaac M. (See Fleet, R. H., Wheatley, and Laddon.)
Lake, Clair D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Sheet feeding means. 2,234,262; Mar. 11.
Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corp., New York, N. Y. Data checking means. 2,234,263; Mar. 11.

Lambach, Fritz, Fairview, assignor to Robert Reimer, Incorporated, Weehawken, N. J. Knitting heel tabs onto combination leg and foot stocking blanks. 2,234,564; Mar. 11.

Lambert, Henry C., and S. E. Garnsey, assignors to The De Vilbiss Company, Toledo, Ohio. Air cleaning apparatus. 2,234,735; Mar. 11.

Laminated Shim Co. (See Young, Earle L., assignor.)

La Nationale S. A. (See Bolle, Léon, assignor.)

Lancashire Dynamo & Crypto Limited. (See Wilson, Edward P., assignor.)

Lang, Charles E., Houston, Tex. Core drill. 2,234,264; Mar. 11.

Lang, Walter T., Metuchen, N. J. Speed controlling device. 2,234,181; Mar. 11.

Lange, Heinrich. (See Schaurte, W. T., and Lange.)

Lanning, Daniel D., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof coating. 2,234,565; Mar. 11.

Larrecq, Anthony J., Beach Bluff, Mass., assignor to General Electric Company. Cooling arrangement for gas turbines. 2,234,767; Mar. 11.

Larsen, Carl B., assignor to J. I. Case Company, Racine, Wis. Air cleaner. 2,234,736; Mar. 11.

Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. Chair or similar article. 2,234,677; Mar. 11.

Larson, Karl R., Minneapolis, Minn. Fish lure. 2,234,439; Mar. 11.

Lassiat, Raymond C. (See Houdry, E. J., and Lassiat.)

Laudien, Julius A., Gary, Ind. Toothpick dispenser. 2,234,868; Mar. 11.

Lauer, Ambrosius, Karlsruhe, Germany. Slant rolling. 2,234,182; Mar. 11.

Laughlin, Edwin R. (See Lubs, H. A., and Laughlin.)

Lay, Willard V., Denver, Colo. Vaginal diaphragm. 2,234,494; Mar. 11.

Lay, Willard V., Denver, Colo. Pessary. 2,234,495; Mar. 11.

Lazier, Wilbur A., and G. W. Rigby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process for the production of caprolactam, amino-capronitrile and hexamethylene diamine. 2,234,506; Mar. 11.

Leef, John H., Minneapolis, Minn. Garment pocket ironing device. 2,234,496; Mar. 11.

Lehane, Timothy J. (See Smith, W. M., and Lehane, assignors.)

Leighton, John W., Port Huron, Mich. Individual springing connection. 2,234,803; Mar. 11.

Lentz, William L., Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker. 2,234,601; Mar. 11.

Lewis, Harrison, San Francisco, Calif. Hair cutting and trimming device. 2,234,440; Mar. 11.

Lewis, Robert F. (See Brown, G. H., Epstein, and Lewis.)

Lewis-Shepard Company. (See Hastings, Russell, Jr., assignor.)

Lieberknecht, Karl, Inc. (See Spindler, K. P., and Drechsel, assignor.)

Liebert, Frank, Long Island City, assignor of thirty-five per cent to F. Hamilton, Brooklyn, and ten per cent to J. G. Sparkes, Great Neck, N. Y. Flush tank and mechanism. 2,234,567; Mar. 11.

Linckh, Eduard, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to W. E. Currie, New York, N. Y. Production of hydrocarbons. 2,234,568; Mar. 11.

Lincoln, John C. (See Burke, Theodore, assignor.)

Lindemann, Herbert E., assignor to Perfex Corporation, Milwaukee, Wis. Control device. 2,234,377; Mar. 11.

Lindner, Paul. (See Below, F., Lindner, and Schwartz.)

Linthwaite, Owen C., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Internal combustion engine. 2,234,918; Mar. 11.

Lister, Henry, & Sons Limited. (See Clough, D., and Blackburn, assignors.)

Lobstein, Jean, Paris, France. Electric smoothing iron and in support forming current supply plugs for said irons. 2,234,347; Mar. 11.

Lofgren, Frederick V., Valparaiso, Ind., assignor to G. Davidson, Aurora, Ill. Ink composition of matter. 2,234,183; Mar. 11.

Lommell, Ernest P., St. Cloud, Minn. Game. 2,234,497; Mar. 11.

Loos, Karl, Lancaster, Pa. Hydrophobe phenol-formaldehyde resin and making same. 2,234,569; Mar. 11.

Lorenz, Anton. (See Luckhardt, H., and Lorenz.)

Lorenz, C., Aktiengesellschaft. (See Gossel, Erich, assignor.)

Lorenz, C., Aktiengesellschaft. (See Uhlmann, Wolfram, assignor.)

Lorenz, Gus O. (See Arzet, P., and Lorenz.)

Loring, Peter P., Pretoria, Transvaal, Union of South Africa. Extraction of the valuable contents from antimonial, arsenical, and other complex ores. 2,234,378; Mar. 11.

Loveless, John M., Somerville, assignor to G. H. Atkin, Evansville, Ind. Mobile hot water house heater. 2,234,869; Mar. 11.

Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)

Lowres, Bert J., East Orange, N. J. Ophthalmic mounting. 2,234,265; Mar. 11.

Lubs, Herbert A., Wilmington, Del., and E. R. Laughlin, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making colored paper. 2,234,648; Mar. 11.

Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Radio beacon. 2,234,828; Mar. 11.

Luckhardt, Hans, Berlin-Dahlem, and A. Lorenz, Berlin-Schoneberg, Germany. Adjustable reclining chair. 2,234,266; Mar. 11.

Ludwig, Georg. (See Zetzsche, W., Schiele, Ludwig, Rodenacker, Baumann, and Hartmuth.)

Ludwig, Gerald C., Detroit, Mich. Insulating grommet. 2,234,441; Mar. 11.

Lummus Cotton Gin Company. (See Roberts, Alvin T., Jr.)

Lusin, Joseph T., Niagara Falls, N. Y. Connector plug. 2,234,870; Mar. 11.

Lustig, Walter R., Rockford, Ill. Adjustable seat mounting. 2,234,442; Mar. 11.

Lyman, Harold T., Cranston, R. I., assignor to Homosote Company, Incorporated, Fernwood, township of Ewing, N. J. Corner construction. 2,234,701; Mar. 11.

Lynch, John W., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Shaving implement. 2,234,929; Mar. 11.

Macbeth, Colin, Birmingham, England. Clutch. 2,234,443; Mar. 11.

MacDonald, James, assignor of one-half to G. W. B. Electric Furnaces Limited, London, England. Furnace. 2,234,871; Mar. 11.

Mace, Arthur T., assignor to The Radiart Corporation, East Cleveland, Ohio. Automobile radio antenna. 2,234,737; Mar. 11.

Mack, Albert R., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Valve for rock drills. 2,234,348; Mar. 11.

MacKay, John R., West Caldwell, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Motor control apparatus. 2,234,340; Mar. 11.

MacLaren, Fred B., Jr., assignor to The Bristol Company, Waterbury, Conn. Electronic control system. 2,234,184; Mar. 11.

Maffei, Paul H., La Junta, Colo. Refrigeration unit. 2,234,498; Mar. 11.

Malleable Iron Fittings Company. (See Williams, Rolland G., assignor.)

Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,234,267; Mar. 11.

Mallory, P. R., & Co. (See Hall, H. C., and Puerner, assignors.)

Maltner, Hermann, Offenbach-on-the-Main, Germany. Friction wheel lighter. 2,234,768; Mar. 11.

Manning, Maxwell & Moore, Inc. (See Raysor, Earl L., assignor.)

Manor, Florian F. (See Karst, S. F., and Manor.)

Marine Magnesium Products Corporation. (See Chesny, Heinz H., assignor.)

Marinsky, Davis, and L. H. Morin, Bronx, assignors to Whitehall Patents Corporation, New York, N. Y. Two-tone die casting and forming the same. 2,234,185; Mar. 11.

Markley, Kenneth C., Huntingdon Valley, assignor to The Eastern Specialty Company, Philadelphia, Pa. Ampere demand indicator. 2,234,570; Mar. 11.

Marple, Rollo, assignor to Hancock Manufacturing Company, Jackson, Mich. Locking device. 2,234,872; Mar. 11.

Marshall, William L., assignor of one-half to C. C. Efird, Albemarle, N. C. Underreaming tool. 2,234,477; Mar. 11.

Martin, George D., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preservation of soap. 2,234,379; Mar. 11.

Martin, John W., and R. W. Martin, Brooklyn, N. Y. Illuminating device. 2,234,444; Mar. 11.

Martin, Lawrence R., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture titler. 2,234,702; Mar. 11.

Martin, Robert W. (See Martin, John W., and R. W.)

Martinsen, Nikolai, Palo Alto, Calif. Fruit pitting and halving machine. 2,234,445; Mar. 11.

Mason, Vaden W., Brookneal, Va. Transplanting device. 2,234,873; Mar. 11.

Masonite Corporation. (See Morgan, H. W., and Stewart, assignors.)

Massey-Harris Co. Ltd. (See Carroll, Thomas, assignor.)

Mather, John C., Indianapolis, Ind. Eraser and chalk rail cleaner. 2,234,529; Mar. 11.

Mathews Conveyor Company. (See Anderson, Martin J., assignor.)

Matlock, Walter, Baltimore, Md. Rail joint. 2,234,530; Mar. 11.

Matson, Leroy A., assignor to Hill-Shaw Company, Chicago, Ill. Filter. 2,234,678; Mar. 11.

Maude, Aylmer H., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Storing and transporting anhydrous hydrogen chloride. 2,234,738; Mar. 11.

Mawen Motor Corporation. (See Meyer, A. J., and McVeigh, assignors.)

Maybach, Karl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany. Braking devices for motor vehicle transmissions. 2,234,310; Mar. 11.

Maybach-Motorenbau G. m. b. H. (See Maybach, Karl, assignor.)

Maytag Company, The. (See Smith, Thomas R., assignor.)

McAllister, Robert W., Carlisle, Mass., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Air testing device. 2,234,499; Mar. 11.

McCollum, Henry J. De N., Evanston, Ill. Automobile heating system. 2,234,268; Mar. 11.

McCormack, Alex A., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigeration. 2,234,571; Mar. 11.

McCrery, John H. (See Schaub, W. F., and McCrery.)

McCulloch, Andrew, Wilmslow, England. Heat treatment of carbonaceous materials. 2,234,769; Mar. 11.

McDermott, Lyle C., Boise, Idaho. Underground gallery and constructing the same. 2,234,380; Mar. 11.

McDonald, Dan, Santa Monica, Calif. Extracting sulphur. 2,234,269; Mar. 11.

McDonald, William S., Shawnee, Kans. Device for making dental plates. 2,234,411; Mar. 11.

McDowell, Wendell H., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Reversible gel composition of polyvinyl alcohol and the salt of O-hydroxy benzal aromatic ketone and its preparation. 2,234,186; Mar. 11.

McEvoy Company. (See Howard, James H., assignor.)

McGraw Electric Company. (See Graham, Maurice H., assignor.)

McGraw Electric Company. (See Ireland, Murray, assignor.)

McIntire, James E., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Folding machine. 2,234,270; Mar. 11.

McIntosh, Frederick F., Sewickley, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Improving machineability of ferrous metals. 2,234,572; Mar. 11.

McIntosh, John D., deceased, Simoon Sound, British Columbia, Canada, by N. E. McIntosh, executrix, Simoon Sound, British Columbia, Canada. Connector. 2,234,602; Mar. 11.

McIntosh, Nellie E., executrix. (See McIntosh, John D.)

McLoud, Elbert S. (See Steinle, J. V., and McLoud.)

McManigal, Robert M., et al. (See Webb, Wells A., assignor.)

McNally, James G. (See Dickey, J. B., and McNally.)

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,234,703; Mar. 11.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,234,704; Mar. 11.

McVeigh, John R. (See Meyer, A. J., and McVeigh.)

Mealey, Thomas A., Atlantic City, N. J. Display for articles of merchandise. 2,234,531; Mar. 11.

Mehnert, Volkhart W., assignor to the firm Elite-Diamantwerke Aktiengesellschaft, Siegmar-Schonau, Germany. Knitting machine with electrically controlled parts. 2,234,271; Mar. 11.

Meiklejohn, Thomas W. (See Karst, S. F., and Manor, assignor.)

Meller, F. X., Maschinenfabrik & Wagenbauanstalt. (See Roedel, Max, assignor.)

Meincke, William H., White Plains, N. Y. Cigarette case. 2,234,649; Mar. 11.

Melitta-Werke Bentz & Sohn. (See Bentz, Wolfgang H., assignor.)

Merrell, Wm. S., Company, The. (See Shelton, Robert S., assignor.)

Metal Finishing Research Corporation. (See Thompson, John S., assignor.)

Meyer, André J., and J. R. McVeigh, Lexington, Ky., assignors to Mawen Motor Corporation, New York, N. Y. Engine. 2,234,187; Mar. 11.

Meyer, John F., assignor to The Exhibit Supply Company, Chicago, Ill. Vibrator. 2,234,770; Mar. 11.

Michalke, Gretchen A., et al. (See Gilbert, Reuben S., assignor.)

Michalke, H. W., et al. (See Gilbert, Reuben S., assignor.)

Miescher, Karl, Riehen, and J. Heer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Esters of hydroxystilbenes and preparing same. 2,234,311; Mar. 11.

Migliaccio, Christopher L., assignor to Hingeco Vanities, Inc., Providence, R. I. Ornamental clasp. 2,234,930; Mar. 11.

Miller, Cornell M., Philadelphia, Pa. Tie. 2,234,312; Mar. 11.

Miller, George A., Edinburgh, Scotland. Device for stringing labels and the like. 2,234,679; Mar. 11.

Mills, Joseph C., Cleveland, Ohio. Signal button mounting. 2,234,478; Mar. 11.

Mine Safety Appliances Company. (See McAllister, Robert W., assignor.)

Minneapolis-Honeywell Regulator Company. (See Haines, John E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Harris, John L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Hoppe, Anthony J., assignor.)

Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)

Minneapolis-Honeywell Regulator Company. (See Scoggin, Elmer K., assignor.)

Mission Manufacturing Company. (See Garrison, R. M., and Sharp, assignors.)

Mitchell, Courtney N., Strongsville, Ohio. Internal combustion engine. 2,234,844; Mar. 11.

Mitchell, Max. (See Gray, Frank C., assignor.)

Modern Accessories, Inc. (See Harpootlian, Carnig A., assignor.)

Monsanto Chemical Company. (See Martin, George D., assignor.)

Monsanto Chemical Company. (See Thomas, Charles A., assignor.)

Montalvo-Guenard, Jose L., Ponce, P. R. Eyeglasses. 2,234,729; Mar. 11.

Monthly Small House Club. (See Evans, R., and Joseph, assignors.)

Moore, Harold, Fullerton, Calif. Insecticide dispenser. 2,234,500; Mar. 11.

Moore, John J., Winsted, Conn., assignor to Gibson, Inc., Kalamazoo, Mich. Stringed musical instrument. 2,234,874; Mar. 11.

Moore, Marjorie B., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Preparing pantothenic acid. 2,234,680; Mar. 11.

Moore, Paul B., assignor to York Ice Machinery Corporation, York, Pa. Air conditioner. 2,234,771; Mar. 11.

Morgan, Howard W., Appleton, Wis., and B. O. Stewart, assignors to Masonite Corporation, Laurel, Miss. Making light-colored ligno-cellulose fiber. 2,234,188; Mar. 11.

Morin, Louis H. (See Marinsky, D., and Morin.)

Morrow, Edward B., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing circuit. 2,234,272; Mar. 11.

Morse, Stanley H. (See Higham, W. W., and Morse.)

Morton, Thomas H. (See Boulton, J., and Morton.)

Mossetin, Oddven S., Bemidji, Minn. Dispensing container. 2,234,772; Mar. 11.

Moyle, Clarence L., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Insecticide. 2,234,381; Mar. 11.

Muench-Kreuzer Candle Co. (See Muench, Thomas J., assignor.)

Muench, Thomas J., assignor to Muench-Kreuzer Candle Co., Inc., Syracuse, N. Y. Floating candle. 2,234,903; Mar. 11.

Mueller, John A., Paterson, N. J., assignor to United States Rubber Company, New York, N. Y. Hose and coupling structure. 2,234,350; Mar. 11.

Murphy, Theophilus G., Los Angeles, Calif. Composition shingle and roof formed therewith. 2,234,446; Mar. 11.

Murray Corporation of America, The. (See Avery, C. W., Widman and Clark, assignors.)

Murray, John J., Arlington, Mass. Printing plate and making same. 2,234,189; Mar. 11.

Murray, Julian W., Dallas, Tex. Blind. 2,234,804; Mar. 11.

Murrell, Julia V., Santa Monica, Calif. Sewing receptacle. 2,234,739; Mar. 11.

Mutter, Edward C., Cumberland, R. I. Chimney cap. 2,234,313; Mar. 11.

Nachod & United States Signal Company. (See Richterkessing, Frank H., assignor.)

Nachod & United States Signal Company. (See Stolp, S. S., and Richterkessing, assignors.)

Nachod & United States Signal Co. (See Tone, Thomas, assignor.)

Narragansett Electric Company, The. (See Walsh, Ernest F., assignor.)

National Broach & Machine Company. (See Drummond, Robert S., assignor.)

National Brush Company. (See Baumgartner, John G., assignor.)

National Lead Company. (See Nelson, W. K., and Ploetz, assignors.)

National Television Corporation. (See Tubbs, Ernest A., assignor.)

Neher, Harry T., and C. F. Woodward, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Laminated glass. 2,234,829; Mar. 11.

Nelson, John E., Galena, Kans. Knife. 2,234,532; Mar. 11.

Nelson, Martin L. (See Robinson, H. C., and Nelson.)

Nelson, Walter K., and A. O. Ploetz, Metuchen, N. J., assignors to National Lead Company, New York, N. Y. Phthalate treated titanium dioxide pigments. 2,234,681; Mar. 11.

Neumann, Georg, Berlin, Germany. Sound intensity recorder. 2,234,573; Mar. 11.

Neville Company, The. (See Rivkin, Joseph, assignor.)

Nevius, John W. (See Betts, O. R., Nevius, and Hendrickson.)

Newman, J. Randolph, trustee. (See Aüer, László, assignor.)

Newman, Percy A., assignor to Ross Gear & Tool Company, La Fayette, Ind. Machine for cutting or grinding spirally grooved cams. 2,234,382; Mar. 11.

Newns, John E. (See Groombridge, W. H., and Newns.)

Newton, Roy C., and G. W. Phelps, assignors to Industrial Patents Corporation, Chicago, Ill. Treatment of supercooled shortening. 2,234,931; Mar. 11.

Nichols, Edgar B., Moorestown, N. J. Combined writing implement and magnifying device. 2,234,942; Mar. 11.
Nicole, Amédée, assignor to Paillard et Cie S. A., Sainte-Croix, Switzerland. Centrifugal governor. 2,234,314; Mar. 11.
Nielsen, Peter, assignor to Jubilee Manufacturing Company, Omaha, Nebr. Switch mechanism for vehicle signals. 2,234,412; Mar. 11.
Nolan, Stephen J., Mount Vernon, N. Y. Weather strip for metal windows. 2,234,533; Mar. 11.
Noling, Martin N., assignor to Barber-Colman Company, Rockford, Ill. Tying figure 8 knots. 2,234,190; Mar. 11.
Norman, Clifford, Paton, Iowa, assignor to Deere & Company, Moline, Ill. Roll arrangement for corn pickers. 2,234,447; Mar. 11.
Normington, James B. (See Dickey, J. B., and Normington.)
Normington, James B., and F. C. Duennebier, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic derivative composition containing esters of mono-alkoxy benzoic acids. 2,234,705; Mar. 11.
Normington, James B., and F. C. Duennebier, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic derivative composition containing glycol esters of 3:4:5-trimethoxy benzoic acid. 2,234,706; Mar. 11.
North American Holding Corporation, et al. (See Tilson, Claude D., assignor.)
Norton, Lowell E., Collingswood, N. J., assignor to Radio Corporation of America. Cathode ray modulator. 2,234,830; Mar. 11.
No-Sag Spring Company. (See Hopkes, Henry, assignor.)
Notter, Harry L., Chicago, Ill. Violin bow. 2,234,682; Mar. 11.
Nüsslein, Joseph, and G. von Finck, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Impregnating fibrous materials and the material thus obtained. 2,234,501; Mar. 11.
Nyman, Gustave E., Tacoma, Wash. Trolling device. 2,234,943; Mar. 11.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Switching apparatus. 2,234,650; Mar. 11.
O'Connell, James R., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Collet or chuck. 2,234,603; Mar. 11.
Ohio Brass Company, The. (See Taylor, John J., assignor.)
Ohio Rubber Company, The. (See Edwards, George N., assignor.)
Olcott, Charles A., West Milford, N. J. Bearing of gyratory centrifugal devices. 2,234,574; Mar. 11.
Olze, Frederick W. A., East Rutherford, N. J., assignor to C. Horn Company, Long Island City, N. Y. Plasticizer. 2,234,191; Mar. 11.
Orcutt, Stanley A., assignor to York Ice Machinery Corporation, York, Pa. Seal for cold storage and like doors. 2,234,773; Mar. 11.
Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 2,223,413; Mar. 11.
Orr, Claude L., assignor to The Buckeye Steel Castings Company, Bexley, Ohio. Railway car truck. 2,234,414; Mar. 11.
Orr, Lee, Alturas, Calif. Beer dispensing device. 2,234,315; Mar. 11.
Ort, Carl, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective. 2,234,707; Mar. 11.
Otterbacher, Elliott H., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Switch for generators. 2,234,683; Mar. 11.
Otto, Carl, Essen, and E. Grasshoff, Bochum, Germany, assignors by mesne assignments to Fuel Refining Corporation, Dover, Del. Self-sealing coke oven door. 2,234,575; Mar. 11.
Otto, Kurt. (See Fischer, W., and Otto.)
Owens, William, Nevada, Mo. Automatic hydrant drain. 2,234,774; Mar. 11.
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Paillard et Cie S. A. (See Nicole, Amédée, assignor.)
Palecek, George F., et al. (See Bay, May, assignor.)
Parker, William N., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Modulating system. 2,234,875; Mar. 11.
Parks, Clarence H., Omaha, Nebr. Waxing tool. 2,234,805; Mar. 11.
Parlini, Alexander C. (See Thorn, P. M., Parlini, Recker and Hascher.)
Parshad Holding Corporation, et al. (See Tilson, Claude D., assignor.)
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Profile copying mechanism. 2,234,775; Mar. 11.
Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Refrigerator latch. 2,234,541; Mar. 11.
Patent Button Company, The. (See White, Franklin R., assignor.)
Patentverwertungs-Gesellschaft mit beschrankter Haftung, "Hermes." (See Freudenhammer, Klaus, assignor.)
Pawsey, Joseph L. (See Cork, E. C., and Pawsey.)
Payne, Frank, Etowah, Tenn. Vending machine. 2,234,316; Mar. 11.
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,234,740; Mar. 11.
Pease, C. F., Company, The. (See Brunk, Harold J., assignor.)
Peck, Lee H., Chagrin Falls, assignor to Porcelain Products, Inc., Findley, Ohio. Molding apparatus. 2,234,604; Mar. 11.
Pennington, John V., assignor to Reed Roller Bit Company, Houston, Tex. Rock bit cutter. 2,234,273; Mar. 11.
Perfex Corporation. (See Lindemann, Herbert E., assignor.)
Perosa, Frank, Willow Grove, Pa. Plow unit. 2,234,351; Mar. 11.
Persson, Eric S., Malmo, Sweden. Locking and tightening device. 2,234,776; Mar. 11.
Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Container. 2,234,193; Mar. 11.
Pfeiffer, Siegfried, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Production of a coating composition. 2,234,317; Mar. 11.
Phelps, Guy W. (See Newton, R. C., and Phelps.)
Philco Radio and Television Corporation. (See Parker, William N., assignors.)
Phillips Petroleum Company. (See St. Clair, Theodore A., assignor.)
Phillips Petroleum Company. (See Schulze, Walter A., assignor.)
Phillips, Walter S., Greensboro, N. C. Quick freeze refrigerator unit. 2,234,415; Mar. 11.
Pick, Eric, assignor to Servel, Inc., New York, N. Y. Refrigerator door latch. 2,234,651; Mar. 11.
Pietzsch, Frank H. (See Campbell, S. H., and Pietzsch.)
Pike, Robert D., Diablo, assignor, by mesne assignments, to C. E. Townsend, Piedmont, Calif. Method of forming bearings. 2,234,904; Mar. 11.
Pitney-Bowes Postage Meter Company. (See Thatcher, Linden A., assignor.)
Pittsburgh Crucible Steel Company. (See Ferm, J. F., and Hopper, assignors.)
Pittsburgh Pipe Cleaner Company. (See Robinson, Kyle L., and L. R., assignors.)
Pixton, Andrew C., Orange, assignor to Food Machinery Corporation, San Jose, Calif. Method of and apparatus for separating frosted fruit. 2,234,502; Mar. 11.
Plass, Robert H., Upper Montclair, N. J. Dehairing of pelts. 2,234,352; Mar. 11.
Platten, George H. (See Strobush, H. J., Platten, and Swanson.)
Ploetz, Arthur O. (See Nelson, W. K., and Ploetz.)
Ploke, Martin, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Electronoptically enlarging images. 2,234,806; Mar. 11.
Pollmac, Emeric. (See Waldman, N., and Pollmac.)
Porcelain Products, Inc. (See Peck, Lee H., assignor.)
Porsche, F., Dr. Ing. h. c., K. G. (See Fitzner, Ernst, assignor.)
Porter, Edwin R., Lock Haven, Pa. Tamper. 2,234,831; Mar. 11.
Posnack, Emanuel R., New York, N. Y. Fastening and apparatus therefor. 2,234,448; Mar. 11.
Potash Company of America. (See Weinig, Arthur J., assignor.)
Potato Corporation of Idaho. (See Gano, Orville, assignor.)
Potter, Charles E., Richmond Heights, and J. W. Kendall, St. Louis, said Kendall assignor to said Potter. Transmitter. 2,234,318; Mar. 11.
Pitts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Photoelectric transmitter. 2,234,832; Mar. 11.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Lock washer and producing same. 2,234,194; Mar. 11.
Pousman, Gertrude, administratrix. (See Rosenberg, Samuel, and T.)
Powell, Marshall E. (See Beck, J. D., Powell and Hagood.)
Prager, Gustav, assignor to Abbey Photo Corporation, New York, N. Y. Camera shutter operating device. 2,234,652; Mar. 11.
Pratt, John W. (See Ricks, F., and Pratt.)
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain. 2,234,449; Mar. 11.
Preble, Bennett, Beverley, assignor to Surgident, Ltd., Angeles, Calif. Dental impression composition. 2,234,383; Mar. 11.
Preis, Carl G., assignor to American Can Company, New York, N. Y. Manufacturing tin plate. 2,234,195; Mar. 11.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Fan blade and hub assembly. 2,234,319; Mar. 11.
Preston, John, Burlington, N. J., assignor to Radio Corporation of America. Acoustical apparatus. 2,234,833; Mar. 11.
Prewitt, Richard H., Lansdowne, Pa. Propeller or rotor construction. 2,234,196; Mar. 11.
Priest, William F. (See Cerveny, J. P., and Priest.)

Prinz, Karl, assignor to the firm of Carl Zeiss, Jena, Germany. Electrode feeding mechanism for arc lamps. 2,234,274; Mar. 11.
Puerner, George O. (See Hall, H. C., and Puerner.)
Puffer, Samuel R., Saugus, Mass., assignor to General Electric Company. Lubricating system. 2,234,777; Mar. 11.
Quarnstrom, Bert L., assignor to Bundy Tubing Company, Detroit, Mich. Making tubes. 2,234,450; Mar. 11.
Quinlan, Amos L., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical insulating material. 2,234,353; Mar. 11.
Radiart Corporation, The. (See Mace, Arthur T., assignor.)
Radio Corporation of America. (See Bond, Donald S., assignor.)
Radio Corporation of America. (See Brown, G. H., Epstein and Lewis, assignors.)
Radio Corporation of America. (See George, Ralph W., assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Norton, Lowell E., assignor.)
Radio Corporation of America. (See Preston, John, assignor.)
Radio Corporation of America. (See Trevor, B., and George, assignors.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Radio Inventions, Inc. (See Ressler, Hugh C., assignor.)
Ramage, William D., et al. (See Webb, Wells A., assignor.)
Ramsey, Edwin L., and L. G. Graper, Chicago, Ill. Mold plug. 2,234,634; Mar. 11.
Ranges, John E., East Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Casing for electrical apparatus. 2,234,576; Mar. 11.
Ransome, Bernard, Diablo, assignor to Ransome Company, Emeryville, Calif. Boring tool. 2,234,451; Mar. 11.
Ransome Company. (See Ransome, Bernhard, assignor.)
Rawlinson, John A. (See Blott, J. F. T., and Rawlinson.)
Ray, James G., Hatboro, Pa. Aerodynamic retarder. 2,234,503; Mar. 11.
Raysor, Earl L., Youngstown, Ohio, assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Soaking pit cover handling apparatus. 2,234,807; Mar. 11.
Rebhan, Joseph, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulator bushing. 2,234,275; Mar. 11.
Recker, Heinz. (See Thorn, P. M., Parlini, Recker and Hascher.)
Reconstruction Finance Corporation. (See Schoenheit, Albert J., assignor.)
Redcliffe, Frederick J., New York, N. Y. Match book. 2,234,276; Mar. 11.
Redwood, Basil R., Millville, N. J. Onion planter. 2,234,778; Mar. 11.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring apparatus. 2,234,197; Mar. 11.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring apparatus. 2,234,198; Mar. 11.
Reed Roller Bit Company. (See Anderson, Dwight D., assignor.)
Reed Roller Bit Company. (See Johnson, Charles F., assignor.)
Reed Roller Bit Company. (See Pennington, John V., assignor.)
Reed Roller Bit Company. (See Stokes, John C., assignor.)
Rehnberg, Axel F., assignor to Rehnberg-Jacobson Mfg. Co., Inc., Rockford, Ill. Drilling unit. 2,234,452; Mar. 11.
Rehnberg-Jacobson Mfg. Co. (See Rehnberg, Axel F., assignor.)
Rehrer, Mervin, Pine Grove, Pa. Circuit maker and breaker. 2,234,876; Mar. 11.
Rehse, Frank H., assignor of one-fifth to M. Isaacson, Dayton, Ohio. Electric welding method. 2,234,855; Mar. 11.
Reiner, Robert, Incorporated. (See Lambach, Fritz, assignor.)
Reiners, Wilhelm, Gladbach-Rheydt, and G. Kahlisch, Rheydt, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cop winding frame. 2,234,354; Mar. 11.
Reiners, Wilhelm, Gladbach-Rheydt, and G. Kahlisch, Rheydt, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cop winding mechanism. 2,234,355; Mar. 11.
Reiners, Wilhelm, Gladbach-Rheydt, G. Kahlisch, Rheydt, and Stefan Fürst, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cop winding machine. 2,234,356; Mar. 11.
Reinhold, Frank W., and C. E. Edwards, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Marking machine. 2,234,277; Mar. 11.
Reiter, Daniel I., New York, N. Y. Handle loop. 2,234,577; Mar. 11.
Rendall, William S., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Method and apparatus for making glass. 2,234,605; Mar. 11.
Reno, Lavere E., Sarasota, Fla. Palmetto cutting and root exterminating machine. 2,234,534; Mar. 11.
Ressler, Hugh C., Richmond, Staten Island, assignor to Radio Inventions, Inc., New York, N. Y. Facsimile synchronizing system. 2,234,919; Mar. 11.
Reynolds, Frederick D., University City, Mo. Shoe plate. 2,234,453; Mar. 11.
Rich, Howard B., and A. Kramer, Cincinnati, Ohio. Collapsible ladder. 2,234,944; Mar. 11.
Richardson Company, The. (See Haunz, Charles F., assignor.)
Richland Auto Parts Company Inc., The. (See Crouse, Oliver P., assignor.)
Richter, Herman F., Los Angeles, Calif. Apparatus for drilling wells. 2,234,454; Mar. 11.
Richter, Manfred, Berlin, assignor to the firm of Carl Zeiss, Jena, Germany. Trichromatic colorimeter. 2,234,278; Mar. 11.
Richterkessing, Frank H. (See Stolp, S. S., and Richterkessing.)
Richterkessing, Frank H., assignor to Nachod & United States Signal Company, Incorporated, Louisville, Ky. Railway preference traffic signal control. 2,234,606; Mar. 11.
Ricks, Fred, and J. W. Pratt, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lasting machine. 2,234,279; Mar. 11.
Riddell, William A., assignor to The General Engineering Company, Frederick, Md. Grate. 2,234,199; Mar. 11.
Riddell, William A., assignor to The General Engineering Company, Frederick, Md. Furnace grate construction. 2,234,416; Mar. 11.
Riedmaier, John S., Port Clinton, Ohio. Emergency brake signal. 2,234,607; Mar. 11.
Riepert, Hermann, Wetzlar, Germany, assignor, by mesne assignments to F. Dumur, Lausanne, Switzerland. Cooling chamber for microscopes. 2,234,578; Mar. 11.
Ries, Park J. (See Ries, Paul L., and P. J.)
Ries, Paul L., and P. J. Ries, Los Angeles, Calif. Tripod. 2,234,357; Mar. 11.
Rigby, George W. (See Lazier, W. A., and Rigby.)
Rippingille, Edward V., assignor to General Motors Corporation, Detroit, Mich. Cylinder head construction. 2,234,780; Mar. 11.
Rivkin, Joseph, assignor to The Neville Company, Pittsburgh, Pa. Treatment of still residues. 2,234,708; Mar. 11.
Roanoke Mills, Inc. (See Janes, Ralph R., assignor.)
Roberts, Alvin T., Jr., Columbus, Ga., assignor to Lummus Cotton Gin Company. Feeder for textile preparing machinery. 2,234,280; Mar. 11.
Robertson, Edwin A., Sandusky, Ohio, assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Shielded ignition manifold system. 2,234,579; Mar. 11.
Robertson, H. H., Company. (See Coffman, Alden W., assignor.)
Robinson, Harold C., Baltimore, Md., and M. L. Nelson, Park Ridge, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Stock quotation system. 2,234,684; Mar. 11.
Robinson, Kyle L., Bolivar, and L. R. Robinson, Zelienople, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Coiled wire coupling. 2,234,504; Mar. 11.
Robinson, Lawrence R. (See Robinson, Kyle L., and L. R.)
Robinson, Preston, Williamstown, and J. L. Collins, South Boston, assignors to Sprague Specialties Co., North Adams, Mass. Electrolytic device and the manufacture of same. 2,234,608; Mar. 11.
Rodenacker, Wolf. (See Zetzsche, W., Schiele, Ludwig, Rodenacker, Baumann, and Hartmuth.)
Rodrick, Raymond J., Akron, Ohio. Windshield wiper. 2,234,709; Mar. 11.
Roedel, Max., assignor to F. X. Meiller, Maschinenfabrik & Wagenbauanstalt, Munich, Germany. Tipping frame for wagons. 2,234,417; Mar. 11.
Röhm & Haas Company. (See Neher, H. T., and Woodward, assignors.)
Roos, Hans, Leverkusen I. G.-Werk, Germany, assignor to General Aniline & Film Corporation. Substantive azo dyestuffs. 2,234,580; Mar. 11.
Rose, Eddie F., Maiden, N. C. Scavenger roll. 2,234,779; Mar. 11.
Rosen, Oscar E., Detroit, Mich. Edge cutting of sheet metal stock. 2,234,320; Mar. 11.
Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Hydrocarbon composition containing organic boron compounds. 2,234,581; Mar. 11.
Rosenberg, Samuel, deceased, late of New York, N. Y., by G. Pousman, administratrix, and T. Rosenberg, New York, N. Y. Chain manufacture. 2,234,877; Mar. 11.
Rosenberg, Thomas. (See Rosenberg, Samuel and T.)
Roser, Carl W. (See Goodell, R. H., and Roser.)
Ross, Elliott P. (See Essex, A., and Ross.)
Ross Gear & Tool Company. (See Newman, Percy A., assignor.)
Ross, John F., Toronto, Ontario, Canada. Washing machine. 2,234,878; Mar. 11.

Rothfeld, Erich, Niederau, near Meissen, Germany. Speed change gears. 2,234,653; Mar. 11.
Rothschild, Max. (See Klopfer, M., and Rothschild.)
Rottler, Clarence T., Seattle, Wash. Valve seating tool. 2,234,710; Mar. 11.
Rowe, Donald E., Aurora, assignor to Kroehler Mfg. Co., Naperville, Ill. Device for harmonizing colors. 2,234,609; Mar. 11.
Rubly, William, Indianapolis, Ind. Smoker's pipe. 2,234,418; Mar. 11.
Ruhrchemie Aktiengesellschaft. (See Tramm, Heinrich, assignor.)
Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finder. 2,234,654; Mar. 11.
Ruska, Ernst, Berlin-Spandau, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Shielded electron microscope. 2,234,281; Mar. 11.
Russell, Arthur L., Boston, and W. M. Watson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Counter stiffener and its manufacture. 2,234,282; Mar. 11.
Ryan, Thomas H., San Francisco, Calif. Automatic power transmission device. 2,234,384; Mar. 11.
Ryner, Arthur, Loudon, England, assignor to Traughber Engineering Company, Cleveland, Ohio. Apparatus for removing impurities from gases by the aid of a washing liquid. 2,234,385; Mar. 11.
S & S Corrugated Paper Machinery Company, Inc. (See Jacobson, Charles, assignor.)
Sachs, Joseph M. (See Chard, George F., assignor.)
St. Clair, Theodore A., Pontiac, Mich., assignor to Phillips Petroleum Company. Superloading automatic change-over device. 2,234,325; Mar. 11.
Saltsberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Multiple package. 2,234,655; Mar. 11.
Saunders, Kenneth H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. New insoluble azo dyestuffs. 2,234,283; Mar. 11.
Schafroth, Werner, Philadelphia, assignor to International Staple and Machine Company, Pittsburgh, Pa. Stapling machine. 2,234,808; Mar. 11.
Schaub, Walter F., Benton Harbor, and J. H. McCrery, Coloma, Mich. Valve for shampoo hoses and the like. 2,234,386; Mar. 11.
Schaurte, Werner T., Schloss Lauvenburg, near Neuss-on-the-Rhine, and H. Lange, Dusseldorf, assignors to Bauer and Schaurte, Neuss-on-the-Rhine, Germany. Apparatus for testing goods. 2,234,456; Mar. 11.
Scheibli, James R. (See Evans, T. W., Scheibli, and van de Griendt.)
Scherer, Robert P., Detroit, Mich. Capsule and making the same. 2,234,479; Mar. 11.
Schiele, Franz. (See Zetzsche, W., Schiele and Hartmuth.)
Schiele, Franz. (See Zetzsche, W., Schiele, Ludwig, Rodenacker, Baumann and Hartmuth.)
Schjolin, Eric O., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Metal automobile body. 2,234,781; Mar. 11.
Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)
Schlafhorst, W., & Co. (See Reiners, W., Kahlisch, and Fürst, assignors.)
Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection delivery valve. 2,234,932; Mar. 11.
Schmalz, James H., assignor to Copperweld Steel Company, Glassport, Pa. Insulator tie for electric conductors. 2,234,656; Mar. 11.
Schmidt, August J. (See Jackson, J., and Schmidt.)
Schmidt, Lambert, Leeds, N. Y., assignor to Jefferson Electric Company, Bellwood, Ill. Safety indicator fuse. 2,234,480; Mar. 11.
Schneider, Winifred P., Chicago, Ill. Raincoat and head covering. 2,234,582; Mar. 11.
Schoenhelt, Albert J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Visor. 2,234,284; Mar. 11.
Schott, Donald E., Bronx, assignor to Thomas C. Wilson, Inc., New York, N. Y. Steam trap. 2,234,387; Mar. 11.
Schray, Walter H., assignor to United Steel and Wire Company, Battle Creek, Mich. Basket carrying cart. 2,234,358; Mar. 11.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Tuchscherer, Paul, assignor.)
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating vapors. 2,234,505; Mar. 11.
Schurig, Otto R., Schenectady, N. Y., assignor to General Electric Company. Coffee maker. 2,234,741; Mar. 11.
Schwartz, Erich. (See Below, F., Lindner and Schwartz.)
Schworm, William B., and A. V. Graf, St. Louis, Mo. Treatment of natural waters. 2,234,285; Mar. 11.
Scoggin, Elmer K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker control. 2,234,388; Mar. 11.
Scott, Carlyle H., Forest Hills, Long Island, and P. H. Scott, Flushing, assignors to Flush Hydrant Corp., Corona, Long Island, N. Y. Flush type fire hydrant. 2,234,635; Mar. 11.
Scott, Howard, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical contact. 2,234,834; Mar. 11.
Scott, Paul H. (See Scott, Carlyle H., and P. H.)
Searjeant, Wilfred H., assignor to Taylor-Shantz Inc., Rochester, N. Y. Moving picture film reel. 2,234,321; Mar. 11.
Seeger Refrigerator Company. (See Strobush, H. J., Platten, and Swanson, assignors.)
Seeger Refrigerator Company. (See Swedman, Enoch, assignor.)
Seibert, Howard F. (See Frohring, W. O., Seibert, and Tabor.)
Servel, Inc. (See Pick, Eric, assignor.)
Servel, Inc. (See Wallace, Hugh, assignor.)
Sexton, John R., assignor to J. R. Sexton Inc., Meriden, Conn. Christmas ornament. 2,234,835; Mar. 11.
Sexton, J. R., Inc. (See Sexton, John R., assignor.)
Shafer, Ira, San Diego, Calif. Sliding door supporting apparatus. 2,234,481; Mar. 11.
Sharp, Dudley C. (See Garrison, R. M., and Sharp.)
Sharples Corporation, The. (See Brewer, Nathaniel, assignor.)
Sharples Corporation, The. (See Jones, Leo D., assignor.)
Shell Development Company. (See Blott, J. F. T., and Rawlinson, assignors.)
Shell Development Company. (See Evans, T. W., Scheibli, and van de Griendt, assignors.)
Shell Development Company. (See Hoagland, Walter H., assignor.)
Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Reading, Ohio. Levo-1-phenyl-2-methyl-ethylamino propanol-1 and acid addition salts thereof and making them. 2,234,933; Mar. 11.
Shoesmith, Hugh W., Mortimer, South Africa. Handcart. 2,234,879; Mar. 11.
Sicard, Irenée, Montreal, Quebec, Canada. Control valve mechanism for snow removing machines. 2,234,322; Mar. 11.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Tiebel, Hans-Werner, assignor.)
Siemens-Reiniger-Werke Aktiengesellschaft. (See Franke, Heinrich, assignor.)
Silva, Frank C., San Jose, Calif. Can lifter. 2,234,809; Mar. 11.
Silverstein, Hyman, Brooklyn, N. Y. Joining abutting edges of coated fabric. 2,234,845; Mar. 11.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door lock. 2,234,810; Mar. 11.
Sistig, Mary E., Denver, Colo. Lay pillow. 2,234,106; Mar. 11.
Skinner, Bronson C., and J. R. Bristow, assignors to Essential Oil Producers, Inc., Dunedin, Fla. Juice extracting machine. 2,234,880; Mar. 11.
Skog, Henry A. (See Thompson, E. W., and Skog.)
Sluyter, Charles L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,234,287; Mar. 11.
Smaldone, Frank M., Rochester, N. Y. Nail decorating method and device. 2,234,657; Mar. 11.
Smith, Bernice B., Bay City, Tex. Cathead drum. 2,234,811; Mar. 11.
Smith Bros. of Port Washington, Inc. (See Smith, Evelyn C., assignor.)
Smith, Evelyn C., assignor to Smith Bros. of Port Washington, Inc., Port Washington, Wis. Cutting or preparing fish. 2,234,658; Mar. 11.
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,234,742; Mar. 11.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Fuel gas carburetor and lubricator. 2,234,455; Mar. 11.
Smith, Wallace W., assignor to Inland Steel Company, Chicago, Ill. Fabricated metal structure. 2,234,782; Mar. 11.
Smith, William M., and T. J. Lehane, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Temperature control system. 2,234,288; Mar. 11.
Snodgrass, John A., Prescott, Ark. Fountain pen. 2,234,812; Mar. 11.
Snow, Charles J., Loudon, Tenn. Cutting mechanism for mowing machines. 2,234,783; Mar. 11.
Société Bronzavia. (See Kitroser, Isaac, assignor.)
Soltzberg, Sol, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Etherification process. 2,234,200; Mar. 11.
Sparkes, John G., et al. (See Liebert, Frank, assignor.)
Sparks, Chiles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tetrakisazo dyestuffs. 2,233,201; Mar. 11.
Special Equipment Company. (See Thompson, E. W., and Skog, assignors.)
Spence, David, Monterey, Calif., assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanized product from rubber and method of vulcanizing rubber. 2,234,202; Mar. 11.

Spence, David, Monterey, Calif., assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization. 2,234,743; Mar. 11.
Sperry-Sun Well Surveying Company. (See Kothny, Gottdank L., assignor.)
Spindler, Kurt P., and P. Drechsel, assignors to Karl Liebernecht, Inc., Reading, Pa. Flat knitting machine. 2,234,389; Mar. 11.
Sprague Specialties Co. (See Robinson, P., and Collins, assignors.)
Stainbrook, Forest A., Boston, Mass. Musical instrument. 2,234,482; Mar. 11.
Stallings, Onnie D., Raleigh, N. C. Adjustable drawing board. 2,234,323; Mar. 11.
Stallings, Onnie D., Raleigh, N. C. Portable adjustable drawing board. 2,234,324; Mar. 11.
Standard Oil Company. (See Thiele, Ernest W., assignor.)
Standard Oil Company, The. (See Burk, Robert E., assignor.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Oil Development Company. (See Taggart, Millard S., Jr.)
Standard Stoker Company, The. (See Lentz, William L., assignor.)
Stanley Works, The. (See Parsons, Stuart W., assignor.)
Stanzel, Victor, Schulenburg, Tex. Game playing apparatus. 2,234,856; Mar. 11.
Starkweather, Howard W., New Castle County, and A. M. Collins, Wilmington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized plastic polymer and producing the same. 2,234,203; Mar. 11.
Starkweather, Howard W., New Castle County, and M. A. Youker, Gordon Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic polymer of butadiene and producing same. 2,234,204; Mar. 11.
Steele, James S., Jr., Sturgeon, Pa. Lightning protective system. 2,234,205; Mar. 11.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,234,711; Mar. 11.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerant evaporator. 2,234,713; Mar. 11.
Stein, Edwin L., Wilmington, Del. Dental articulator. 2,234,881; Mar. 11.
Steinle, John V., and A. E. Budner, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Wax suspension. 2,234,934; Mar. 11.
Steinle, John V., and E. S. McLoud, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Vegetable wax. 2,234,935; Mar. 11.
Sterling Tool Products Company. (See Kehle, Ottmar A., assignor.)
Stewart, Basil O. (See Morgan, H. W., and Stewart.)
Stewart, Robert J. (See Huntley, G. J., and Stewart.)
Stewart-Warner Corporation. (See Kelly, William D., assignor.)
Stewart, William A., et al. (See Gilbert, Ida B., assignor.)
Stillwell, William D., South Euclid, assignor to The Harshaw Chemical Company, Elyria, Ohio. Ceramic color. 2,234,920; Mar. 11.
Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core catcher. 2,234,286; Mar. 11.
Stolp, Samuel S., and F. H. Richterkessing, assignors to Nachod & United States Signal Company, Inc., Louisville, Ky. Control for traffic signal systems. 2,234,636; Mar. 11.
Stolz, William J., Elyria, Ohio. Device for forming passages in concrete. 2,234,784; Mar. 11.
Strain, William H. (See Dickey, J. B., and Strain.)
Streby, Ray D., assignor to The Timken Roller Bearing Company, Canton, Ohio. Pump and setting the piston thereof. 2,234,936; Mar. 11.
Strobush, Herman J., G. H. Platten, and D. Swanson, assignors to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator drip-pan. 2,234,846; Mar. 11.
Strovink, Florian A., Medford, assignor to Bennett Incorporated, Cambridge, Mass. Paperboard manufacture. 2,234,457; Mar. 11.
Sun Oil Company. (See Jolly, Samuel E., assignor.)
Surgident, Ltd. (See Preble, Bennett, assignor.)
Sutter, Samuel, assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Connector device. 2,234,650; Mar. 11.
Sutton, Robert W., Kalamazoo, assignor of one-half to C. H. Andre, Detroit, Mich. Invalid carrier. 2,234,483; Mar. 11.
Swanfeldt, Andrew, Los Angeles, Calif. Awning shutter. 2,234,712; Mar. 11.
Swanson, Donald. (See Strobush, H. J., Platten, and Swanson.)
Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator construction with latch and hinge means out of cold zone. 2,234,847; Mar. 11.
Swingspout Measure Co. (See Wiswell, Ozro N., assignor.)
Sylvania Industrial Corporation. (See Franke, Edward P., assignor.)
Sylvania Industrial Corporation. (See Whitson, Richard E., assignor.)
Tabor, Joseph M. (See Frohring, W. O., Seibert, and Tabor.)
Taggart, Millard S., Jr., Houston, Tex., assignor to Standard Oil Development Company. Oil prospecting method. 2,234,637; Mar. 11.
Tait, John N. H., Coventry, and W. M. Blagden, Farnborough, assignors to The Birmingham Small Arms Company Limited, Birmingham, England. Motor vehicle. 2,234,882; Mar. 11.
Tallis, Ernest E., Coventry, assignor to Courtaulds, Limited, London, England. Dyeing of cellulosic textile materials. 2,234,905; Mar. 11.
Talon, Inc. (See Hatch, Richard A., assignor.)
Tank, Kurt, Bremen, assignor to Focke-Wulf Flugzeubau G. m. b. H., Bremen-Flaughafen, Germany. Airplane. 2,234,883; Mar. 11.
Taylor, James P., Los Angeles, Calif. Shoe heel construction. 2,234,390; Mar. 11.
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Manufacturing electric insulators. 2,234,391; Mar. 11.
Taylor-Shantz Inc. (See Searjeant, Wilfred H., assignor.)
Teel, Florence M., Hazleton, Pa. Basting device. 2,234,884; Mar. 11.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Dziewior, Kurt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Tenney, Dwight, Verona, N. J. Electric heater and resistance. 2,234,289; Mar. 11.
Ter Horst, William P., Puckanack Lake, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Treatment of rubber. 2,234,848; Mar. 11.
Ternstedt Manufacturing Company. (See Cooley, Floyd A., assignor.)
Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Tessier, Joseph D., Worcester, Mass. Sprinkler head shutoff device. 2,234,290; Mar. 11.
Texas Company, The. (See Barron, Joseph M., assignor.)
Thatcher, Linden A., assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn. Letter operated printing device. 2,234,583; Mar. 11.
Thermek Corporation. (See Wittmann, Robert A., assignor.)
Thiele, Ernest W., assignor to Standard Oil Company, Chicago, Ill. Making heavy fuel oil. 2,234,207; Mar. 11.
Thomas, Charles A., Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of hydrocarbon resin. 2,234,660; Mar. 11.
Thomas, Henry P., Schenectady, N. Y., assignor to General Electric Company. Antenna system. 2,234,744; Mar. 11.
Thomas, Susie W., College Park, Ga. Baling press. 2,234,419; Mar. 11.
Thompson, Edward W., and H. A. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg. Apparatus for preparing and counting fruit and vegetables. 2,234,208; Mar. 11.
Thompson, Howard H., Santa Cruz, Calif. Low pressure tire alarm. 2,234,507; Mar. 11.
Thompson, John S., assignor to Metal Finishing Research Corporation, Detroit, Mich. Coated aluminum. 2,234,206; Mar. 11.
Thorn, Percy M., New Rochelle, and A. C. Parlini, Woodside, N. Y., and H. Recker, Ridgewood, and E. Hascher, Newark, N. J., said Parlini, said Recker, and said Hascher assignors to said Thorn. Dispensing container. 2,234,857; Mar. 11.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,234,392; Mar. 11.
Tidewater Associated Oil Company. (See Zacher, Vernon B., assignor.)
Tiebel, Hans-Werner, Berlin-Spandau, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Yielding follow-up control. 2,234,326; Mar. 11.
Tilson, Claude D., Manchester, N. H., assignor to North American Holding Corporation, and Parshad Holding Corporation, Syracuse, N. Y. Assembling dies in marking machines. 2,234,535; Mar. 11.
Tilson, Claude D., Manchester, N. H., assignor to North American Holding Corporation, and Parshad Holding Corporation, Syracuse, N. Y. Marking machine. 2,234,536; Mar. 11.
Timken Roller Bearing Company, The. (See Green, Walter F., assignor.)
Timken Roller Bearing Company, The. (See Schlaupitz, Oswald, assignor.)
Timken Roller Bearing Company, The. (See Streby, Ray D., assignor.)
Tollaksen, Leslie B., Seattle, Wash. Continuously variable crystal-stabilized oscillator. 2,234,209; Mar. 11.
Tolman, Edgar B., Jr., Chicago, Ill. Expansion joint. 2,234,785; Mar. 11.
Tomaino, Julian F., assignor of one-half to K. Hassan, Danbury, Conn. Hatter's fur carroting machine. 2,234,813; Mar. 11.

Tompkins, Frederick A. (See Altman, F. E., and Tompkins.)

Tone, Thomas, Gilman, Iowa, assignor to Nachod & United States Signal Co., Incorporated, Louisville, Ky. Traffic signal with electric control. 2,234,610; Mar. 11.

Topping, John A., Bronxville, N. Y. Attachment for golf clubs. 2,234,638; Mar. 11.

Torkelson, Torkel E., Baldwin, assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,234,291; Mar. 11.

Townsend, Chas. E. (See Pike, Robert D., assignor.)

Traeger, Elmer A., Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Synchronous electric motor. 2,234,420; Mar. 11.

Tramm, Heinrich, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Producing lubricating oils. 2,234,661; Mar. 11.

Traughber Engineering Company. (See Ryner, Arthur, assignor.)

Trevor, Bertram, and R. W. George, Riverhead, N. Y., assignors to Radio Corporation of America. Short wave reception. 2,234,584; Mar. 11.

Truesdale, Melville D., Greenwich, Conn. Bottle cap remover. 2,234,508; Mar. 11.

Trumbull, Harlan L., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite product and making the same. 2,234,611; Mar. 11.

Tubbs, Ernest A., Long Island City, N. Y., assignor to National Television Corporation, Wilmington, Del. Method and apparatus for controlling the frequency band width of coupled circuits. 2,234,461; Mar. 11.

Tuchscherer, Paul, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Thread carrier change device. 2,234,883; Mar. 11.

Turner, Jacob L., Milton, Mass. Float control. 2,234,421; Mar. 11.

Uhlmann, Wolfram, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Braun tube. 2,234,292; Mar. 11.

Uline, Bernard, and P. J., Nappanee, Ind. Chair. 2,234,359; Mar. 11.

Uline, Paul J. (See Uline, Bernard, and P. J.)

Underhill, Lance, Schenectady, N. Y. Attachment for containers. 2,234,458; Mar. 11.

Union Carbide and Carbon Corporation. (See Brannon, James L., assignor.)

Union Oil Company of California. (See Bray, Ulric B., assignor.)

Union Special Machine Company. (See Kucera, Frank A., assignor.)

United American Metals Corporation. (See Hartmann, Henry, assignor.)

United American Metals Corporation. (See Jung, Albert H., assignor.)

United Merchants & Manufacturers, Inc. (See Bulford, Murray N., assignor.)

United Shoe Machinery Corporation. (See Ashworth, F., and Baker, assignors.)

United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)

United Shoe Machinery Corporation. (See McIntire, James E., assignor.)

United Shoe Machinery Corporation. (See Reinhold, F. W., and Edwards, assignors.)

United Shoe Machinery Corporation. (See Ricks, F., and Pratt, assignors.)

United Shoe Machinery Corporation. (See Russell, A. L., and Watson, assignors.)

United States Metal Powders, Inc. (See Harris, Clarence P., assignor.)

United States Rubber Company. (See Jordan, Hubert F., assignor.)

United States Rubber Company. (See Muller, John A., assignor.)

United States Rubber Company. (See Ter Horst, William P., assignor.)

United Steel and Wire Company. (See Schray, Walter H., assignor.)

Universal Cooler Corporation. (See Higham, W. W., and Morse, assignors.)

Universal Oil Products Company. (See Kanhofer, Elmer R., assignor.)

Universal Products Co. (See Wollner, Hans, assignor.)

Usselman, George L., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna system. 2,234,293; Mar. 11.

Van Buren, Sheldon, Chicago, Ill. Loose-leaf binder. 2,234,294; Mar. 11.

Vance, Edd F., Kansas City, Mo. Combined tapestry frame and cabinet. 2,234,685; Mar. 11.

Van de Griendt, Gerald H. (See Evans, T. W., Scheibli, and van de Griendt.)

Van Dillen, Albert, Amsterdam, Netherlands. Spring device for vehicles. 2,234,886; Mar. 11.

Vapor Car Heating Company. (See Smith, W. M., and Lehane, assignors.)

Vick, Carl R., Decorah, Iowa. Washing machine. 2,234,836; Mar. 11.

Vickers-Armstrongs Limited. (See Wallis, Barnes N., assignor.)

Von Finck, Georg. (See Brunner, A., and von Finck.)

Von Finck, Georg. (See Nüsslein, J., and von Finck.)

Von Rarrel, Alexander, Hamburg, N. Y. Electric connecting device. 2,234,745; Mar. 11.

Vulcan Soot Blower Corporation. (See Arey, F. C., and Hibner, assignors.)

Waddell, James. (See Elley, H. W., and Waddell.)

Wagner Electric Corporation. (See Boldt, Werner F., assignor.)

Wagner Electric Corporation. (See Dick, Burns, assignor.)

Wagner Electric Corporation. (See Fites, Cyril B., assignor.)

Wagner, Gustave H. (See Wagner, Harold A., and G. H.)

Wagner, Harold A., and G. H. Wagner, Portland, Oreg. Portable concrete mixer. 2,234,210; Mar. 11.

Walczak, Joseph P., Baltimore, Md. Toy automatic rifle. 2,234,509; Mar. 11.

Waldman, Nathan, and E. Polimac, assignors to G. I. and H. Goldwyn, Chicago, Ill. Sewing machine. 2,234,295; Mar. 11.

Wales, George F., Kenmore, N. Y. Punch. 2,234,840; Mar. 11.

Walker, Herbert W., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized plastic chloroprene polymer and producing same. 2,234,211; Mar. 11.

Wallace, Hugh, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,234,639; Mar. 11.

Wallace & Tiernan Products, Inc. (See MacKay, John R., assignor.)

Wallace, William H., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Leaf spring and making same. 2,234,850; Mar. 11.

Wallis, Barnes N., Weybridge, assignor, by mesne assignments, to Vickers-Armstrongs Limited, Westminster, London, England. Determining the form and controlling the production of geodesics. 2,234,906; Mar. 11.

Walsh, Ernest F., Warwick, R. I., assignor to The Narragansett Electric Company. Treatment of boiler feed water. 2,234,786; Mar. 11.

Walter, Andrew J., Jr. (See Lackey, R. M., and Walter.)

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Needle and clamp therefor. 2,234,686; Mar. 11.

Washington Iron Works. (See Frink, Gerald, assignor.)

Watson, William M. (See Russell, A. L., and Watson.)

Weaver, Willis N., York, Pa. Golf practice target. 2,234,814; Mar. 11.

Webb, Wells A., Albany, assignor of forty per cent to W. D. Ramage, Berkeley, and ten per cent to R. M. McManigal, Compton, Calif. Apparatus for countercurrent treatment of immiscible fluids. 2,234,921; Mar. 11.

Weinig, Arthur J., Golden, assignor to Potash Company of America, Denver, Colo. Moisture-repellent product and producing same. 2,234,484; Mar. 11.

Wellman, Howard C., assignor to Eastman Kodak Company, Rochester, N. Y. Film gate structure. 2,234,714; Mar. 11.

Wemp, Ernest E., Detroit, Mich. Friction clutch. 2,234,459; Mar. 11.

Wemp, Ernest E., Detroit, Mich. Clutch and lever system therefor. 2,234,460; Mar. 11.

West, Harry R., Pittsfield, Mass., assignor to General Electric Company. Electric circuit. 2,234,746; Mar. 11.

Western Electric Company. (See Bertalan, Edward, assignor.)

Western Electric Company. (See Chambers, Edwin G.)

Western Electric Company. (See Ford, Ben K., assignor.)

Western Electric Company. (See Gillis, Randall, assignor.)

Western Electric Company. (See Goodell, R. H., and Roser, assignors.)

Western Electric Company. (See Morrow, Edward B., assignor.)

Western Electric Company. (See Quinlan, Amos L., assignor.)

Western Electric Company. (See Sluyter, Charles L., assignor.)

Western Railway Equipment Company. (See Campbell, S. H., and Pletzsch, assignors.)

Westinghouse Electric & Manufacturing Company. (See Baumann, Ernst, assignor.)

Westinghouse Electric & Manufacturing Company. (See Heilman, Joseph R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Keyes, John J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rebhan, Joseph, assignor.)

Westinghouse Electric & Manufacturing Company. (See Scott, Howard, assignor.)

Weyher, Frederic J. (See Brown, K. C., and Weyher.)

Wheatley, William B. (See Fleet, R. H., Wheatley, and Laddon.)

Wheeling Steel Corporation. (See Conner, Guy O., assignor.)

White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button and making the same. 2,234,510; Mar. 11.

Whitehall Patents Corporation. (See Marinsky, D., and Morin, assignors.)

Whitney, Carl H., Craig, Nebr. Mortician's instrument. 2,234,715; Mar. 11.

Whitson, Richard E., Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Emergency apparatus. 2,234,360; Mar. 11.

Widman, Charles H. (See Avery, C. W., Widman, and Clark.)

Wight, Edward H., Baltimore, and D. L. Anderson, Towson, assignors to The Davison Chemical Corporation, Baltimore, Md. Animal feed supplement and process of manufacture. 2,234,511; Mar. 11.

Wilcox, Russell I., Berwyn, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Remote control device for automatic phonographs. 2,234,937; Mar. 11.

Wilkinson, George D., Oak Park, and W. D. Kelly, Western Springs, assignors to Cribben and Sexton Company, Chicago, Ill. Electric oven. 2,234,787; Mar. 11.

Williams, John K., York, Pa. Pneumatic ash remover. 2,234,788; Mar. 11.

Williams, Roliand G., Fort Myers, Fla., assignor to Malleable Iron Fittings Company, Branford, Conn. Screw anchor. 2,234,907; Mar. 11.

Wilson, Edward P., assignor to Lancashire Dynamo & Crypto Limited, London, England. Filling machine. 2,234,585; Mar. 11.

Wilson, Lewis E., Eagle Grove, Iowa. Spray holder for caskets. 2,234,512; Mar. 11.

Wilson, Thomas C., Inc. (See Schott, Donald E., assignor.)

Wise, Theodore, Pittsburgh, Pa. Glass gauge protector. 2,234,327; Mar. 11.

Wiswell, Ozro N., assignor to Swingspout Measure Co., Los Angeles, Calif. Stamp and inking means therefor. 2,234,422; Mar. 11.

Wittmann, Robert A., assignor to Thermek Corporation, Chicago, Ill. Heating means. 2,234,423; Mar. 11.

Wold, Wilhelm P., assignor to W. P. Wold and A. Eger, both of Oslo, Norway. Silencer for internal combustion engines. 2,234,612; Mar. 11.

Wolf, Ralph F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polyvinyl chloride solution and making the same. 2,234,212; Mar. 11.

Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Radiant energy receiving device. 2,234,328; Mar. 11.

Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Distance determining device. 2,234,329; Mar. 11.

Wollner, Hans, Detroit, assignor to Universal Products Co., Inc., Dearborn, Mich. Constant velocity universal joint. 2,234,296; Mar. 11.

Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. View finder for cameras. 2,234,716; Mar. 11.

Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Continuous strip pickling and cleaning device. 2,234,815; Mar. 11.

Woodard, William E., Forest Hills, N. Y. Engine valve gear. 2,234,613; Mar. 11.

Woodard, William E., Forest Hills, N. Y. Valve motion mechanism for fluid pressure engines. 2,234,614; Mar. 11.

Woodward, Charles F. (See Neher, H. T., and Woodward.)

Worcester Baking Company. (See Holmes, Raymon T., assignor.)

Wrathall, Leishman R., River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tone signal source for telephone signaling systems. 2,234,213; Mar. 11.

Wunderlich, Milton S., International Falls, assignor to The Insulite Company, Minneapolis, Minn. Acoustical correction machine. 2,234,789; Mar. 11.

Wurlitzer, Rudolph, Company, The. (See Wilcox, Russell I., assignor.)

York Ice Machinery Corporation. (See Frazer, James S., assignor.)

York Ice Machinery Corporation. (See Moore, Paul B., assignor.)

York Ice Machinery Corporation. (See Orcutt, Stanley A., assignor.)

Youker, Mortimer A. (See Starkweather, H. W., and Youker.)

Youker, Mortimer A., Gordon Heights, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic polymeric derivatives of chloroprene and producing the same. 2,234,215; Mar. 11.

Young, Earle L., Awosting, N. J., assignor, by mesne assignments, to Laminated Shim Co., Inc., Glenbrook, Conn. Producing laminated shims. 2,234,214; Mar. 11.

Zacher, Vernon B., Ventura, Calif., assignor to Tidewater Associated Oil Company, New York, N. Y. Mud wall disintegrator. 2,234,790; Mar. 11.

Zaiger, Max, Swampscott, Mass. Clip for windshield wipers. 2,234,791; Mar. 11.

Zeiss, Carl. (See Prinz, Karl, assignor.)

Zeiss, Carl. (See Richter, Manfred, assignor.)

Zeiss Ikon Aktiengesellschaft. (See Görlich, Paul, assignor.)

Zeiss Ikon Aktiengesellschaft. (See Ploke, Martin, assignor.)

Zenith Progressive Photography Inc. (See Betts, O. R., Nevius, and Hendrickson, assignors.)

Zetzsche, Walther, and F. Schiele, Premnitz, and R. Hartmuth, Dessau, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Apparatus for producing extensible sliver or roving of rayon staple fibers. 2,234,216; Mar. 11.

Zetzsche, Walther, and F. Schiele, Premnitz, and R. Hartmuth, Dessau, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Apparatus for producing an extensible sliver or roving. 2,234,217; Mar. 11.

Zetzsche, Walther, and F. Schiele, Premnitz, and G. Ludwig, Rathenow, and W. Rodenacker and E. Baumann, Wolfen, Kreis Bitterfeld, and R. Hartmuth, Dessau, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Producing extensible slivers or rovings and means therefor. 2,234,330; Mar. 11.

Zimicki, Marche P., Strawn, Tex. Combined endgate and loading elevator for trucks. 2,234,513; Mar. 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Boiler. T. E. Murray. Re. 21,745; Mar. 11.
Cigar bunch machine. R. E. Rundell. Re. 21,746; Mar. 11.
Hair-dressing tool. H. C. Schlicker. Re. 21,747; Mar. 11.
Internal combustion engine. A. M. Starr. Re. 21,750; Mar. 11.
Refrigerating apparatus, Absorption. R. S. Nelson and E. Babcock. Re. 21,744; Mar. 11.
Regulating device. A. W. Vance. Re. 21,749; Mar. 11.
Temperature controlled container. C. A. Stemme. Re. 21,748; Mar. 11.
Terminal for electrical fittings, Wiring. H. Hubbell. Re. 21,743; Mar. 11.
Tobacco feed for cigar machines, Automatic. H. E. Carlson. Re. 21,742; Mar. 11.

LIST OF DESIGN INVENTIONS

Advertising sign. C. E. Rohkar. 125,785; Mar. 11.
Amplifier, Hearing aid. C. A. Volf. 125,832; Mar. 11.
Badge or similar article, Mourning. P. Brown. 125,753; Mar. 11.
Belt. M. H. Taft. 125,877; Mar. 11.
Belt-attachment for artificial legs. E. Blevens. 125,752; Mar. 11.
Bottle. L. Medgyes. 125,778; Mar. 11.
Bottle or similar article. T. D'Addario. 125,755; Mar. 11.
Box, Display. R. A. Nagle. 125,781; Mar. 11.
Brooch or similar article. L. Garfinkel. 125,813; Mar. 11.
Brooch or similar article. A. Philippe. 125,843; Mar. 11.
Brooch or similar article. A. Philippe. 125,816; Mar. 11.
Brooch or similar article. A. Philippe. 125,824–6; Mar. 11.
Brush, Dental. T. H. Mikkelsen. 125,779; Mar. 11.
Brush for vacuum cleaners, Rotary. T. A. Schaad. 125,786; Mar. 11.
Building block. E. Steinhard. 125,789; Mar. 11.
Cabinet, Barber's. D. Du Bois. 125,795; Mar. 11.
Cabinet, Liquor serving. H. Kranz. 125,802; Mar. 11.
Cabinet, Marksmanship apparatus. N. A. Nelson and G. A. Gast. 125,782; Mar. 11.
Carpet or similar article. A. Wildgust. 125,792; Mar. 11.
Case, Counter display. T. A. Schutz. 125,787; Mar. 11.
Case, Merchandise display. J. Trojan. 125,791; Mar. 11.
Chair. W. H. Bond. 125,793; Mar. 11.
Clip, Lapel. M. Cummings. 125,808; Mar. 11.
Clip, Pin. A. Philippe. 125,817–23; Mar. 11.
Clip, Pin. A. Philippe. 125,841–2; Mar. 11.
Clip, Pin. A. Philippe. 125,844–9; Mar. 11.
Coat. S. Zimmerman. 125,856; Mar. 11.
Container, Cosmetic. L. J. Colwell. 125,754; Mar. 11.
Degreasing unit, Portable. W. D. Phillips and R. A. Van Fossen. 125,802; Mar. 11.
Dispenser, Cigarette. W. C. Panzer. 125,783; Mar. 11.
Display unit, Advertising. M. Goldstein. 125,763; Mar. 11.
Dress. A. Berin. 125,833; Mar. 11.
Dress. A. Berin. 125,835–6; Mar. 11.
Dress. A. Berin. 125,858; Mar. 11.
Dress. S. Franklin. 125,810–11; Mar. 11.
Dress. P. E. Fields. 125,873; Mar. 11.
Dress. H. M. Harris. 125,874; Mar. 11.
Dress. F. Laye. 125,839; Mar. 11.
Dress. M. Mancuso. 125,840; Mar. 11.
Dress. G. Montell. 125,815; Mar. 11.
Dress. B. Price. 125,827; Mar. 11.
Dress. N. Rosenstein. 125,875; Mar. 11.
Dress. F. Wilkins. 125,878; Mar. 11.
Dress ensemble. A. Berin. 125,834; Mar. 11.
Dress ensemble. S. Franklin. 125,809; Mar. 11.
Dress ensemble. G. Gansche. 125,812; Mar. 11.
Dress ensemble. A. O. Gilbert. 125,859; Mar. 11.
Dress ensemble. M. Hobgood. 125,861; Mar. 11.
Dress ensemble. L. Hoshafian. 125,869–70; Mar. 11.
Dress ensemble. J. Richards. 125,864; Mar. 11.
Dress ensemble. G. Rothchild. 125,876; Mar. 11.
Dress ensemble. B. Staehle. 125,831; Mar. 11.
Duplicator. W. B. Petzold. 125,784; Mar. 11.
Embalming machine. T. A. Gilmore and L. Junod. 125,762; Mar. 11.
Fabric or similar article, Textile. A. Zavell. 125,807; Mar. 11.
Fabric, Textile. F. A. Brooks. 125,794; Mar. 11.
Fabric, Textile. H. Horn. 125,796–7; Mar. 11.
Fabric, Textile. H. Horn. 125,814; Mar. 11.
Fabric, Textile. G. M. Kates. 125,798; Mar. 11.
Fabric, Textile. H. E. Klvelson. 125,799; Mar. 11.
Fabric, Textile. J. E. Maisch. 125,775; Mar. 11.
Fabric, Textile. A. H. Morrow. 125,800; Mar. 11.
Fabric, Textile. S. Ross. 125,865; Mar. 11.
Fabric, Textile. A. W. Roth. 125,803–4; Mar. 11.
Fabric, Textile. A. W. Roth. 125,806; Mar. 11.
Fabric, Textile. A. W. Roth. 125,851–4; Mar. 11.
Fabric, Textile. A. W. Roth. 125,866–7; Mar. 11.
Fabric, Textile. S. Sherman. 125,871–2; Mar. 11.
Fabric, Textile. H. W. Wilde. 125,855; Mar. 11.
File, Combined statement, signature, and check. S. S. Goldstein and J. Lieberman. 125,837; Mar. 11.
Gauge dial or similar article. C. H. Graesser and J. V. Tracy. 125,764; Mar. 11.
Glasses, Sun. J. Hommer. 125,768; Mar. 11.
Goggles, Pair of. C. J. Haag. 125,766; Mar. 11.
Heel plate for skiing boots. A. C. Macauley. 125,773; Mar. 11.
Holder, Ash. K. S. Miller. 125,780; Mar. 11.
Holder for fishing poles or the like. G. F. Hilts. 125,767; Mar. 11.
Holder, Sachet. L. Aronson. 125,740; Mar. 11.
Knife. E. K. Madan. 125,774; Mar. 11.
Lamp and support therefor, Combined automobile. H. J. Dohmeier. 125,756; Mar. 11.
Lamp head. A. O. Elting. 125,758–9; Mar. 11.
Lamp, Portable search. G. E. Gravenstine. 125,765; Mar. 11.
Lens and pencil cap or similar article, Combined magnifying. E. B. Nichols. 125,801; Mar. 11.
Lighting fixture, Fluorescent. D. J. Biller. 125,750–1; Mar. 11.
Paint stirrer. P. Marienthal. 125,776–7; Mar. 11.
Pin, Knitting. F. D. Davis. 125,808; Mar. 11.
Pin, Novelty. N. Rubin. 125,829; Mar. 11.
Quoit. H. Singer. 125,788; Mar. 11.
Rug or similar article. F. A. Haas. 125,860; Mar. 11.
Rule slide, Height indicating. S. G. Zuckerman. 125,857; Mar. 11.
Scarf or similar article. A. W. Roth. 125,805; Mar. 11.
Shoe. A. Johnson. 125,838; Mar. 11.
Shoe or similar article. R. E. Freeman. 125,760; Mar. 11.
Slip. S. Wolf. 125,879–80; Mar. 11.
Spoon or other article of flatware. A. G. Kintz. 125,772; Mar. 11.
Spoon or similar article. G. N. Allen, M. P. Fleming, and L. E. Rossegger. 125,748; Mar. 11.
Stand, Christmas tree. L. R. Klesow. 125,771; Mar. 11.
Stand or the like, Telephone. H. C. Doner. 125,757; Mar. 11.
Suit. N. Rosenstein. 125,828; Mar. 11.
Suit. N. Rosenstein. 125,850; Mar. 11.
Suit. B. Staehle. 125,830; Mar. 11.
Table, Drafting. G. E. Froelich. 125,761; Mar. 11.
Tank, Elevated. G. T. Horton. 125,769; Mar. 11.
Tire, Pneumatic. S. P. Thacher. 125,790; Mar. 11.
Toilet seat, Child's. P. F. Jockwig and D. L. Hirsch. 125,770; Mar. 11.
Vehicle, Combination dirt carrying and dumping. G. L. Omon. 125,863; Mar. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Preparing pantothenic. M. B. Moore. 2,234,680; Mar. 11.
Acoustical apparatus. J. Preston. 2,234,833; Mar. 11.
Acoustical correction machine. M. S. Wunderlich. 2,234,789; Mar. 11.
Adjustable drawing board. O. D. Stallings. 2,234,323; Mar. 11.
Adjustable drawing board, Portable. O. D. Stallings. 2,234,324; Mar. 11.
Adjustable reclining chair. H. Luckhardt and A. Lorenz. 2,234,266; Mar. 11.
Aerial navigation machine. F. Amiot. 2,234,394; Mar. 11.
Aerial or aerial system. E. C. Cork and J. L. Pawsey. 2,234,234; Mar. 11.
Aerodynamic retarder. J. G. Ray. 2,234,503; Mar. 11.
Air cleaner. C. B. Larsen. 2,234,736; Mar. 11.
Air cleaning apparatus. H. C. Lambert and S. E. Garnsey. 2,234,735; Mar. 11.
Air conditioner. P. B. Moore. 2,234,771; Mar. 11.
Air conditioning system. A. J. Hoppe. 2,234,633; Mar. 11.
Aircraft, Rotative-winged. J. de la Cierva and G. B. L. Ellis. 2,234,466; Mar. 11.
Airplane. K. Tank. 2,234,883; Mar. 11.
Airplanes from water, Launching. R. H. Fleet, W. H. Wheatley, and I. M. Laddon. 2,234,750; Mar. 11.
Air testing device. R. W. McAllister. 2,234,499; Mar. 11.
Alarm, Low pressure tire. H. H. Thompson. 2,234,507; Mar. 11.
Alarm system, Self-restoring. R. M. Hopkins. 2,234,940; Mar. 11.
Alcohols, Purification of polyhydric. T. W. Evans, J. R. Scheibli, and G. H. van de Griendt. 2,234,400; Mar. 11.
Alloy: *See*—
Manganese alloy. Nonferrous alloy.
Alloys, Preparation of high expansion. R. S. Dean and C. T. Anderson. 2,234,748; Mar. 11.
Aluminum, Coated. J. S. Thompson. 2,234,206; Mar. 11.
Ampere demand indicator. K. C. Markley. 2,234,570; Mar. 11.
Anchor, Screw. R. G. Williams. 2,234,907; Mar. 11.
Animal holder. W. H. Carter. 2,234,366; Mar. 11.
Antenna, Automobile radio. A. T. Mace. 2,234,737; Mar. 11.
Antenna, Demountable. G. H. Brown, J. Epstein, and R. F. Lewis. 2,234,333; Mar. 11.
Antenna system. H. P. Thomas. 2,234,744; Mar. 11.
Antenna system. G. L. Usselman. 2,234,293; Mar. 11.
Antimonial arsenical and other complex ores, Extraction of the valuable contents from. P. F. Loring. 2,234,378; Mar. 11.
Antiskid device. W. F. Henry. 2,234,492; Mar. 11.
Apparatus for applying photographic emulsion upon stationary and the like. O. R. Betts, J. W. Nevius, and W. P. Hendrickson. 2,234,922; Mar. 11.
Apparatus for cleaning cylinder heads. F. C. Arey and De L. E. Hibner. 2,234,909; Mar. 11.
Apparatus for countercurrent treatment of immiscible fluids. W. A. Webb. 2,234,921; Mar. 11.
Apparatus for drilling wells. H. F. Richter. 2,234,454; Mar. 11.
Apparatus for forming inner threads on containers. J. Dichter. 2,234,302; Mar. 11.
Apparatus for forming twist dough. C. C. Guldbech. 2,234,525; Mar. 11.
Apparatus for making light sensitive prints. H. J. Brunk. 2,234,796; Mar. 11.
Apparatus for preparing and counting fruit and vegetables. E. W. Thompson and H. A. Skog. 2,234,208; Mar. 11.
Apparatus for producing an extensible sliver or roving. W. Zetzsche, F. Schiele, and R. Hartmuth. 2,234,217; Mar. 11.
Apparatus for producing extensible sliver or roving of rayon staple fibers. W. Zetzsche, F. Schiele, and R. Hartmuth. 2,234,216; Mar. 11.
Apparatus for producing foam for extinguishing fires. E. Göhre. 2,234,631; Mar. 11.
Apparatus for removing impurities from gases by the aid of a washing liquid. A. Ryner. 2,234,385; Mar. 11.
Apparatus for stretching operations. E. Becker. 2,234,225; Mar. 11.
Apparatus for testing goods. W. T. Schaurte and H. Lange. 2,234,456; Mar. 11.
Apparatus for the manufacture of artificial silk. W. Bakker. 2,234,616; Mar. 11.
Apparatus for truing grinding and abrasive wheels. E. A. Cooke. 2,234,539; Mar. 11.
Apparatus for vaporizing liquid fuel. W. H. Hoagland. 2,234,407; Mar. 11.
Article and making the same. E. P. Franke. 2,234,338; Mar. 11.
Article handling apparatus. R. H. Goodell and C. W. Roser. 2,234,342; Mar. 11.
Article, Making a composite. S. L. Brous. 2,234,621; Mar. 11.
Ash remover, Pneumatic. J. K. Williams. 2,234,788; Mar. 11.
Attachment for containers. L. Underhill. 2,234,458; Mar. 11.
Attachment for dyeing yarns. R. R. Janes. 2,234,914; Mar. 11.
Attachment for golf clubs. J. A. Topping. 2,234,638; Mar. 11.
Attachment for internal combustion engines. N. M. Jones. 2,234,901; Mar. 11.
Automatic fuel burner. R. C. Bridgeman. 2,234,550; Mar. 11.
Automobile body, Metal. E. O. Schjolin. 2,234,781; Mar. 11.
Automobile heating system. H. J. De N. McCollum. 2,234,268; Mar. 11.
Automobile jack. S. Antonietti. 2,234,220; Mar. 11.
Automotive vehicle. J. Kolbe. 2,234,676; Mar. 11.
Awning, Sheet metal. L. Guarcello. 2,234,760; Mar. 11.
Azo compounds and coloring therewith. J. G. McNally and J. B. Dickey. 2,234,703; Mar. 11.
Azo compounds and material colored therewith. J. G. McNally and J. B. Dickey. 2,234,704; Mar. 11.
Azo compounds and material colored therewith. J. B. Dickey. 2,234,724; Mar. 11.
Azo compounds and material colored therewith. J. B. Dickey and W. H. Strain. 2,234,723; Mar. 11.
Baling press. S. W. Thomas. 2,234,419; Mar. 11.
Band for washing machine tubs, Ornamental. E. C. Cooley. 2,234,368; Mar. 11.
Band width of coupled circuits, Method and apparatus for controlling the frequency. E. A. Tubbs. 2,234,461; Mar. 11.
Barrel, Wooden. P. D'Amico. 2,234,667; Mar. 11.
Bass violin strummer. M. Bay. 2,234,224; Mar. 11.
Basting device. F. M. Teel. 2,234,884; Mar. 11.
Battery carrier. R. Dyer. 2,234,589; Mar. 11.
Battery terminal clamp. L. Fullington. 2,234,630; Mar. 11.
Beacon, Radio. D. G. C. Luck. 2,234,828; Mar. 11.
Bearing: *See*—
Clutch throw-out bearing.
Bearing and making the same. S. H. Forsberg. 2,234,822; Mar. 11.
Bearing of gyratory centrifugal devices. C. A. Olcott. 2,234,574; Mar. 11.
Bearings, Forming. R. D. Pike. 2,234,904; Mar. 11.
Bearings, Manufacture of composite. E. Fetz. 2,234,371; Mar. 11.
Beer dispensing device. L. Orr. 2,234,315; Mar. 11.
Belt conveyer. E. L. Blackburn. 2,234,537; Mar. 11.
Bending brake. T. J. Kelleher. 2,234,178; Mar. 11.
Bicycle seat, Auxiliary. W. Christy. 2,234,299; Mar. 11.
Bicycle stand. B. Cohen. 2,234,859; Mar. 11.
Binder, Loose-leaf. S. Van Buren. 2,234,294; Mar. 11.
Binding and method of making. E. N. and F. F. Farkas. 2,234,401; Mar. 11.
Bit for rock drills, Detachable. E. Craig. 2,234,486; Mar. 11.
Blind. J. W. Murray. 2,234,804; Mar. 11.
Blind, Window. P. H. Dougherty. 2,234,399; Mar. 11.
Board: *See*—
Adjustable drawing board.
Boat hull, Air cushioned. A. J. Higgins. 2,234,899; Mar. 11.
Bob for fishing lines. W. S. Goertzen. 2,234,243; Mar. 11.
Bobbin-cleaning apparatus for use on automatic weft replenishing bobbin-changing looms. D. Clough and O. R. Blackburn. 2,234,300; Mar. 11.
Boring tool. B. Ransome. 2,234,451; Mar. 11.
Bottle holder, Nursing. L. W. Humphrey. 2,234,409; Mar. 11.
Bottle, Pen filling ink. R. F. Irverson. 2,234,256; Mar. 11.
Brake: *See*—
Bending brake.
Brake. S. F. Karst and F. F. Manor. 2,234,257; Mar. 11.

Brake mechanism. W. A. Eaton. 2,234,897; Mar. 11.
Brake mechanism, Hydraulic. G. F. Chard. 2,234,689; Mar. 11.
Braking device for motor vehicle transmissions. K. Maybach. 2,234,310; Mar. 11.
Braun tube. W. Uhlmann. 2,234,292; Mar. 11.
Brush holding device. M. R. Hanna. 2,234,695; Mar. 11.
Brushing machine for rollable objects. M. D. Kennedy and J. G. Johnson. 2,234,706; Mar. 11.
Brushmaking machinery. J. G. Baumgartner. 2,234,641; Mar. 11.
Building construction. J. D. Jacobs. 2,234,559; Mar. 11.
Building sheet, Laminated. A. W. Coffman. 2,234,517; Mar. 11.
Building units, Reinforcing. F. O. Anderegg. 2,234,663; Mar. 11.
Burner: *See*—
Automatic fuel burner.
Burner for alcohol and like fluids. R. Eckert. 2,234,854; Mar. 11.
Bushing puller. R. P. Kingston. 2,234,824; Mar. 11.
Button and making the same. F. R. White. 2,234,510; Mar. 11.
Button, Clock horn. M. H. Hollingsworth. 2,234,527; Mar. 11.
Cable: *See*—
Conducting cable. Electric cable.
Calculating machine. A. J. Fettig. 2,234,669; Mar. 11.
Camera. S. Hershberg. 2,234,345; Mar. 11.
Camera, Enlarging. C. J. Hughey. 2,234,698; Mar. 11.
Camera, Photographic. I. Kitroser. 2,234,410; Mar. 11.
Camera shutter operating device. G. Prager. 2,234,652; Mar. 11.
Can lifter. F. C. Silva. 2,234,809; Mar. 11.
Candle, Floating. T. J. Muench. 2,234,903; Mar. 11.
Cap: *See*—
Chimney cap.
Cap remover, Bottle. M. D. Truesdale. 2,234,508; Mar. 11.
Cap securing device for pyrophoric lighters, Wick. L. Bolle. 2,234,298; Mar. 11.
Capsule and making the same. R. P. Scherer. 2,234,479; Mar. 11.
Car truck. C. L. Orr. 2,234,413; Mar. 11.
Car truck, Railway. C. L. Orr. 2,234,414; Mar. 11.
Carbonaceous materials, Heat treatment of. A. McCulloch. 2,234,769; Mar. 11.
Carburetor and lubricator, Fuel gas. T. R. Smith. 2,234,455; Mar. 11.
Card-holding means. R. E. Bauder. 2,234,395; Mar. 11.
Carriage, Supporting. R. H. Fleet, W. B. Wheatley, and I. M. Laddon. 2,234,522; Mar. 11.
Carrier: *See*—
Battery carrier. Invalid carrier.
Carrying device. R. M. Lackey and A. J. Walter, Jr. 2,234,180; Mar. 11.
Cart, Basket carrying. W. H. Schray. 2,234,358; Mar. 11.
Case: *See*—
Cigarette case.
Case having an extractible petrol lighter, Cigarette. K. Bernhardt. 2,234,362; Mar. 11.
Casing for electrical apparatus. J. E. Ranges. 2,234,576; Mar. 11.
Catalytic process for the production of caprolactam, amino-capronitrile and hexamethylene-diamine. W. A. Lazier and G. W. Rigby. 2,234,566; Mar. 11.
Cathode ray modulator. L. E. Norton. 2,234,830; Mar. 11.
Cellulose organic derivative composition containing esters of mono-alkoxy benzoic acids. J. B. Normington and F. C. Duennebier. 2,234,705; Mar. 11.
Cellulose organic derivative composition containing glycol esters of 3:4:5-trimethoxy benzoic acid. J. B. Normington and F. C. Duennebier. 2,234,706; Mar. 11.
Centrifugal separator. N. Brewer. 2,234,332; Mar. 11.
Chain manufacture. S. and T. Rosenberg. 2,234,877; Mar. 11.
Chain snake, Emergency skid. L. W. Keppel. 2,234,902; Mar. 11.
Chair: *See*—
Adjustable reclining chair.
Chair. B. and P. J. Cline. 2,234,350; Mar. 11.
Chair or similar article. L. Larsen. 2,234,677; Mar. 11.
Change-over device, Superloading automatic. T. A. St. Clair. 2,234,325; Mar. 11.
Chimney cap. E. C. Mutter. 2,234,313; Mar. 11.
Church support. F. L. Fulwider. 2,234,524; Mar. 11.
Cigarette case. W. H. Meincke. 2,234,049; Mar. 11.
Circuit: *See*—
Electric circuit. Testing circuit.
Electron discharge circuit. Tube circuit.
Circuit breaker. C. E. Ives. 2,234,348; Mar. 11.
Circuit controlling device. E. Kneass. 2,234,563; Mar. 11.
Circuit maker and breaker. M. Rehrer. 2,234,876; Mar. 11.
Clamp: *See*—
Battery terminal clamp. Welding clamp.
Lasting clamp.
Clamp for perforated sheet material. E. K. Degener. 2,234,938; Mar. 11.
Clasp, Ornamental. C. L. Migliaccio. 2,234,930; Mar. 11.
Cleaner: *See*—
Air cleaner.
Eraser and chalk rail cleaner.
Clip: *See*—
Floor clip.
Clip for windshield wipers. M. Zaiger. 2,234,791; Mar. 11.
Closure and seal, Container. G. O. Conner. 2,234,485; Mar. 11.
Cloth base and product made therewith, Sized. E. C. Homan. 2,234,252; Mar. 11.
Clutch: *See*—
Friction clutch.
Clutch. C. Macbeth. 2,234,443; Mar. 11.
Clutch and lever system, therefor. E. E. Wemp. 2,234,460; Mar. 11.
Clutch throw-out bearing. H. D. Geyer. 2,234,755; Mar. 11.
Clutch throw-out bearing. M. Katcher. 2,234,843; Mar. 11.
Coal charge of coke ovens, Method and contrivance for leveling the. A. Koppers. 2,234,825; Mar. 11.
Coating. H. E. Feist. 2,234,237; Mar. 11.
Coating composition, Production of a. S. Pfeiffer. 2,234,317; Mar. 11.
Coating machine, Article. E. Bertalan. 2,234,580; Mar. 11.
Coating, Moistureproof. D. O. Lanning. 2,234,565; Mar. 11.
Coffee brewing device. L. J. Caldor. 2,234,464; Mar. 11.
Coffee maker. O. R. Schurig. 2,234,741; Mar. 11.
Coiled wire coupling. K. I. and L. R. Robinson. 2,234,504; Mar. 11.
Coke oven door, Self-sealing. C. Otto and E. Grasshoff. 2,234,575; Mar. 11.
Collapsible container. W. P. Frankenstein. 2,234,402; Mar. 11.
Collet or chuck. J. R. O'Connell. 2,234,603; Mar. 11.
Color, Ceramic. W. D. Stillwell. 2,234,920; Mar. 11.
Colorimeter, Trichromatic. M. Richter. 2,234,278; Mar. 11.
Comb for shaving implements, Making. J. Bruecker. 2,234,894; Mar. 11.
Combination spacer and form support. H. H. Echterling. 2,234,335; Mar. 11.
Combination holder. J. A. Bender. 2,234,618; Mar. 11.
Composite product and making the same. H. L. Trumbull. 2,234,611; Mar. 11.
Compressor or pump of the rotary blades type. G. Jendrassik. 2,234,733; Mar. 11.
Concrete mixer, Portable. H. A. and G. H. Wagner. 2,234,210; Mar. 11.
Conducting cable. F. H. Johnson. 2,234,435; Mar. 11.
Connection, Individual springing. J. W. Leighton. 2,234,803; Mar. 11.
Connector. J. D. McIntosh. 2,234,602; Mar. 11.
Connector device. S. Sutter. 2,234,659; Mar. 11.
Connector plug. J. T. Lusin. 2,234,870; Mar. 11.
Container: *See*—
Collapsible container. Dispensing container.
Container. J. M. Hothersall. 2,234,167; Mar. 11.
Container. J. F. Peters. 2,234,193; Mar. 11.
Container for explosives. D. D. Huyett. 2,234,699; Mar. 11.
Container structure. P. S. Grierson. 2,234,673; Mar. 11.
Control device. O. P. Crouse. 2,234,623; Mar. 11.
Control device. B. W. Jones. 2,234,700; Mar. 11.
Control device. H. E. Lindemann. 2,234,377; Mar. 11.
Control for loom transfer mechanism. A. Cederlund. 2,234,622; Mar. 11.
Control for traffic signal systems. S. I. Stolp and F. H. Richterkessing. 2,234,636; Mar. 11.
Control panel and power control for vehicle door instrumentalities. F. A. Cooley. 2,234,426; Mar. 11.
Control system for automotive vehicles. C. A. Brewer. 2,234,463; Mar. 11.
Converter and fluid manifolding device therefor. E. J. Houdry and R. C. Lasslat. 2,234,169; Mar. 11.
Conveyer. R. M. Botley. 2,234,620; Mar. 11.
Cooking appliance. J. R. Hellman. 2,234,596; Mar. 11.
Cooling arrangement for gas turbines. W. H. Allen. 2,234,792; Mar. 11.
Cooling arrangement for gas turbines. A. E. Gibson. 2,234,757; Mar. 11.
Cooling arrangement for gas turbines. A. J. Larrecq. 2,234,767; Mar. 11.
Cooling chamber for microscopes. H. Riepert. 2,234,578; Mar. 11.
Cop winding frame. W. Reiners and G. Kahlisch. 2,234,354; Mar. 11.
Cop winding machine. W. Reiners, G. Kahlisch and S. Fürst. 2,234,356; Mar. 11.
Cop winding mechanism. W. Reiners and G. Kahlisch. 2,234,355; Mar. 11.
Core catcher. J. C. Stokes. 2,234,286; Mar. 11.
Core drill. C. E. Lang. 2,234,264; Mar. 11.
Core, Method of and apparatus for producing an insulated. B. K. Ford. 2,234,671; Mar. 11.
Corner construction. H. T. Lyman. 2,234,701; Mar. 11.
Counter stiffener and its manufacture. A. L. Russell and W. M. Watson. 2,234,282; Mar. 11.

Coupling: *See*—
Coiled wire coupling. Draft coupling.
Coupling system, High frequency. R. W. George. 2,234,556; Mar. 11.
Cover: *See*—
Meat cover.
Cradle for infants. A. A. Carrel and A. Carrel. 2,234,515; Mar. 11.
Crib, Baby. M. Klopfer and M. Rothschild. 2,234,562; Mar. 11.
Culinary tool. I. B. Gilbert. 2,234,242; Mar. 11.
Cutter: *See*—
Chain cutter. Rock bit cutter.
Cutterchain. T. E. Pray. 2,234,449; Mar. 11.
Cutting mechanism for mowing machines. C. J. Snow. 2,234,783; Mar. 11.
Cylinder head construction. E. V. Rippingille. 2,234,780; Mar. 11.
Damper regulating system for fuel burning apparatus. G. F. Geis. 2,234,840; Mar. 11.
Data checking means. C. D. Lake and F. E. Hamilton. 2,234,263; Mar. 11.
Data-revealing device. I. Goldner. 2,234,341; Mar. 11.
Dental articulator. E. L. Stein. 2,234,881; Mar. 11.
Dental impression composition. B. Preble. 2,234,383; Mar. 11.
Desk set. C. G. Gregory. 2,234,304; Mar. 11.
Device for forming passages in concrete. W. J. Stolz. 2,234,784; Mar. 11.
Device for harmonizing colors. D. E. Rowe. 2,234,609; Mar. 11.
Device for making dental plates. W. S. McDonald. 2,234,411; Mar. 11.
Device for opening and closing gates. B. A. Kinney. 2,234,802; Mar. 11.
Device for stringing labels and the like. G. A. Miller. 2,234,679; Mar. 11.
Device for the filling of tanks. F. Amiot. 2,234,393; Mar. 11.
Device for timing a chemical reaction. S. S. Kistler. 2,234,437; Mar. 11.
Die casting and forming the same, Two-tone. D. Marinsky and L. H. Morin. 2,234,185; Mar. 11.
Dies in marking machines, Assembling. C. D. Tilson. 2,234,535; Mar. 11.
Differential mechanism. H. E. Brousseau. 2,234,890; Mar. 11.
Differential mechanism, Self-locking. E. Fitzner. 2,234,591–2; Mar. 11.
Direction finder. W. Runge. 2,234,654; Mar. 11.
Disintegrator, Mud wall. V. B. Zacher. 2,234,790; Mar. 11.
Dispenser: *See*—
Insecticide dispenser. Toothpick dispenser.
Dispensing and applying device, Combined. T. Huston. 2,234,558; Mar. 11.
Dispensing container. O. S. Mossefin. 2,234,772; Mar. 11.
Dispensing container. P. M. Thorn, A. C. Parlini, H. Recker and E. Hascher. 2,234,857; Mar. 11.
Display device. M. Hyndman. 2,234,475; Mar. 11.
Display for articles of merchandise. T. A. Mealey. 2,234,531; Mar. 11.
Distance determining device. I. Wolff. 2,234,329; Mar. 11.
Distributing machine. G. R. Harrington. 2,234,343; Mar. 11.
Distributor head and conductor for internal combustion engines. J. A. Burckhalter. 2,234,688; Mar. 11.
Door: *See*—
Coke oven door.
Door construction. W. D. Kelly. 2,234,259; Mar. 11.
Door lock. E. G. Simpson. 2,234,810; Mar. 11.
Door supporting apparatus, Sliding. I. Shafer. 2,234,481; Mar. 11.
Dough, Method for twisting. C. C. Guldbech. 2,234,526; Mar. 11.
Draft coupling. D. A. Gurney and T. A. Conlon. 2,234,163; Mar. 11.
Drain, Automatic hydrant. W. Owens. 2,234,774; Mar. 11.
Drapery support. H. W. Gabel. 2,234,594; Mar. 11.
Drill: *See*—
Core drill.
Drilling unit. A. F. Rehnberg. 2,234,452; Mar. 11.
Drum, Cathead. B. B. Smith. 2,234,811; Mar. 11.
Dummy, Mechanical football. J. F. Carberry. 2,234,364; Mar. 11.
Dyeing machine for marquisettes and dyeing. M. N. Bulford. 2,234,666; Mar. 11.
Dyeings and printings by means of ester salts of leuco vat-dyestuffs, Production of fast. G. de Niederhäusern, E. Escher, and C. Hofmann. 2,234,301; Mar. 11.
Dyestuffs, New insoluble azo. K. H. Saunders. 2,234,283; Mar. 11.
Dyestuffs, Substantive azo. H. Roos. 2,234,580; Mar. 11.
Dyestuffs, Tetrakisazo. C. E. Sparks. 2,233,201; Mar. 11.
Earth boring apparatus. C. E. Reed. 2,234,197–8; Mar. 11.
Edges of coated fabrics, Means joining abutting. H. Silverstein. 2,234,845; Mar. 11.
Electric cable, Armored. G. A. Johnson. 2,234,675; Mar. 11.
Electric circuit. H. R. West. 2,234,746; Mar. 11.
Electric connecting device. A. von Rarrel. 2,234,745; Mar. 11.
Electric heater. J. J. Gough. 2,234,373; Mar. 11.
Electric motor. I. Jepson. 2,234,926; Mar. 11.
Electric motor, Synchronous. E. A. Traeger. 2,234,420; Mar. 11.
Electric regulator. F. E. Crever and J. R. Kilander. 2,234,747; Mar. 11.
Electrode. L. Jessop. 2,234,476; Mar. 11.
Electrical conductor and method for its production, Insulated. W. Fischer and K. Otto. 2,234,523; Mar. 11.
Electrical contact. H. Scott. 2,234,834; Mar. 11.
Electrical contact means. H. A. Douglas. 2,234,820; Mar. 11.
Electrode. L. Jessop. 2,234,476; Mar. 11.
Electrode feeding mechanism for arc lamps. K. Prinz. 2,234,274; Mar. 11.
Electrode, Storage battery. C. F. Haunz. 2,234,731–2; Mar. 11.
Electrodes of an electric arc furnace, Automatic regulation and control of the. K. Freudenhammer. 2,234,239; Mar. 11.
Electrolytic device and the manufacture of same. P. Robinson and J. L. Collins. 2,234,608; Mar. 11.
Electron discharge apparatus. D. R. De Tar. 2,234,720; Mar. 11.
Electron discharge circuit. R. B. Dome. 2,234,691; Mar. 11.
Electronic control system. F. B. MacLaren, Jr. 2,234,184; Mar. 11.
Elevating device for combines. T. Carroll. 2,234,465; Mar. 11.
Emergency apparatus. R. E. Whitson. 2,234,360; Mar. 11.
Emergency brake signal. J. S. Riedmaier. 2,234,607; Mar. 11.
Emergency safety wheel. A. Briskman. 2,234,838; Mar. 11.
Endgate and loading elevator for trucks, Combined. M. P. Zimicki. 2,234,513; Mar. 11.
Engine: *See*—
Internal combustion engine.
Engine. A. J. Meyer and J. R. McVeight. 2,234,187; Mar. 11.
Engine and operation, Internal combustion. N. M. Jones. 2,234,900; Mar. 11.
Engine mounting for toy airplanes. C. Goldberg. 2,234,758; Mar. 11.
Engine valve gear. W. E. Woodard. 2,234,613; Mar. 11.
Eraser and chalk rail cleaner. J. C. Mather. 2,234,529; Mar. 11.
Escape device for vessels. G. L. Grimes. 2,234,404; Mar. 11.
Esters of halogenated salicylic acids, Ether. E. F. Grether and R. B. Du Vall. 2,234,374; Mar. 11.
Esters of hydroxystilbenes and preparing same. K. Miescher and J. Heer. 2,234,311; Mar. 11.
Etherification process. S. Soltzberg. 2,234,200; Mar. 11.
Evaporator, Refrigerant. C. Steenstrup. 2,234,713; Mar. 11.
Expansion joint. E. B. Tolman, Jr. 2,234,785; Mar. 11.
Extension curtain rod. G. W. Kirsch. 2,234,260; Mar. 11.
Extinction type exposure meter. W. H. Edmunds. 2,234,336; Mar. 11.
Extruding device. O. Gano. 2,234,595; Mar. 11.
Eyeglasses. J. L. Montalvo-Guenard. 2,234,729; Mar. 11.
Fabric: *See*—
Wire fabric.
Fabric spreading device. A. P. Ball. 2,234,223; Mar. 11.
Facsimile synchronizing system. H. C. Ressler. 2,234,919; Mar. 11.
Fan blade and hub assembly. E. S. Preston. 2,234,319; Mar. 11.
Fastener: *See*—
Separable fastener.
Fastener or clothespin. W. H. Davis. 2,234,624; Mar. 11.
Fastening and apparatus therefor. E. R. Posnack. 2,234,448; Mar. 11.
Faucet. J. N. Anagno. 2,234,816; Mar. 11.
Feed supplement and process of manufacture, Animal. E. H. Wight and D. L. Anderson. 2,234,511; Mar. 11.
Feed table. M. J. Anderson. 2,234,162; Mar. 11.
Feeder for textile preparing machinery. A. T. Roberts, Jr. 2,234,280; Mar. 11.
Feeding and straightening means. F. W. Gaines, 3d. 2,234,728; Mar. 11.
Fiber, Making light-colored ligno-cellulose. H. W. Morgan and B. O. Stewart. 2,234,188; Mar. 11.
Fibrous materials and the material thus obtained, Impregnating. J. Nüsslein and G. von Finck. 2,234,501; Mar. 11.
Fidelity control, Automatic. A. W. Barber. 2,234,514; Mar. 11.
Filling head. G. J. Huntley and R. J. Stewart. 2,234,305; Mar. 11.
Filling machine. E. P. Wilson. 2,234,585; Mar. 11.
Film gate structure. H. C. Wellman. 2,234,714; Mar. 11.
Film slide holder. C. E. Cox. 2,234,427; Mar. 11.
Films in printing, Applying liquid. P. A. Frazier. 2,234,727; Mar. 11.

Films or sheets, Producing perforate. H. F. Jordan. 2,234,842; Mar. 11.
Filter. L. A. Matson. 2,234,678; Mar. 11.
Filtering device for the production of beverages such as tea and coffee. W. H. Bentz. 2,234,397; Mar. 11.
Firecracker holder. A. Jackson. 2,234,864; Mar. 11.
Fish, Cutting and preparing. E. C. Smith. 2,234,658; Mar. 11.
Fish lure. K. R. Larson. 2,234,439; Mar. 11.
Fish, Method and apparatus for boning and cutting. A. N. Faulkner. 2,234,431; Mar. 11.
Fishhook. J. A. Clark. 2,234,516; Mar. 11.
Fishhook spreader. H. A. Cope. 2,234,588; Mar. 11.
Fitting, Lubricating. S. H. Forsberg. 2,234,238; Mar. 11.
Float control. J. L. Turner. 2,234,421; Mar. 11.
Floor clip. S. H. Campbell and F. H. Pietzach. 2,234,231; Mar. 11.
Floor coverings and the like, Making. G. N. Edwards. 2,234,839; Mar. 11.
Fluid motor. O. A. Kehle. 2,234,647; Mar. 11.
Folding machine. J. E. McIntire. 2,234,270; Mar. 11.
Frame: *See*—
Cop winding frame.
Frame and cabinet, Combined tapestry. E. F. Vance. 2,234,685; Mar. 11.
Frame for wagons, Tipping. M. Roedel. 2,234,417; Mar. 11.
Friction clutch. H. D. Geyer. 2,234,756; Mar. 11.
Friction clutch. W. J. Joyce, Jr. 2,234,765; Mar. 11.
Friction clutch. E. E. Wemp. 2,234,459; Mar. 11.
Fruit, Method and apparatus for separating frosted. A. C. Pixton. 2,234,502; Mar. 11.
Fruit pitting and halving machine. N. Martinsen. 2,234,445; Mar. 11.
Fuel injection delivery valve. O. Schlaupitz. 2,234,932; Mar. 11.
Fuel pump. W. F. Green. 2,234,924; Mar. 11.
Fuel treating system. J. A. Erickson. 2,234,555; Mar. 11.
Fur carroting machine, Hatter's. J. F. Tomaino. 2,234,813; Mar. 11.
Furnace. J. MacDonald. 2,234,871; Mar. 11.
Fuse, Safety indicator. L. Schmidt. 2,234,480; Mar. 11.
Gallery and constructing the same, Underground. L. C. McDermott. 2,234,380; Mar. 11.
Galvanometer. F. C. Ellis. 2,234,430; Mar. 11.
Game. T. De Lorenzo. 2,234,468; Mar. 11.
Game. H. R. Eyer. 2,234,627; Mar. 11.
Game. E. P. Lommell. 2,234,497; Mar. 11.
Game device. C. F. Doerr. 2,234,725; Mar. 11.
Game playing apparatus. V. Stanzel. 2,234,856; Mar. 11.
Garment, Coverall. O. H. Basch. 2,234,546; Mar. 11.
Gear: *See*—
Engine valve gear.
Gear adjustment for running register, Milter. C. Jacobson. 2,234,674; Mar. 11.
Gears, Speed change. E. Rothfeld. 2,234,653; Mar. 11.
Gel composition of polyvinyl alcohol and the salt of O-hydroxy benzal aromatic ketone and its preparation, Reversible. W. H. McDowell and W. O. Kenyon. 2,234,186; Mar. 11.
Geodesics, Determining the form and controlling the production of. B. N. Wallis. 2,234,906; Mar. 11.
Glass filaments, Method and apparatus for producing. A. Dietzel. 2,234,521; Mar. 11.
Glass gauge protector. T. Wise. 2,234,327; Mar. 11.
Glass, Laminated. H. T. Neher and C. F. Woodward. 2,234,829; Mar. 11.
Glass, Method and apparatus for making. W. S. Rendall. 2,234,605; Mar. 11.
Glove construction. W. H. Banovic. 2,234,604; Mar. 11.
Golf practice target. W. N. Weaver. 2,234,814; Mar. 11.
Governor, Centrifugal. A. Nicole. 2,234,314; Mar. 11.
Grate. W. A. Riddell. 2,234,199; Mar. 11.
Grate construction, Furnace. W. A. Riddell. 2,234,416; Mar. 11.
Grommet, Insulating. G. C. Ludwig. 2,234,441; Mar. 11.
Grout, Cement-bitumen. J. F. T. Blott and J. A. Rawlinson. 2,234,642; Mar. 11.
Gunsight. M. J. Cuzdey. 2,234,518; Mar. 11.
Hair cutting and trimming device. H. Lewis. 2,234,440; Mar. 11.
Handcart. H. W. Shoesmith. 2,234,879; Mar. 11.
Handle loop. D. I. Reiter. 2,234,577; Mar. 11.
Hanger: *See*—
Picture hanger.
Headlight. J. D. Kennelly. 2,234,600; Mar. 11.
Heat exchange apparatus. J. S. Fraser. 2,234,753; Mar. 11.
Heat radiating device. F. C. Gray. 2,234,303; Mar. 11.
Heater: *See*—
Electric heater. Hot water house heater.
Heater and resistance, Electric. D. Tenney. 2,234,289; Mar. 11.
Heating device. M. L. Dunham. 2,234,628; Mar. 11.
Heating means. R. A. Wittmann. 2,234,423; Mar. 11.
Heating system. R. Evans and T. H. Joseph. 2,234,590; Mar. 11.
Heel, Rubber. J. F. Anderson. 2,234,542; Mar. 11.
Heel, Rubber. J. F. Anderson. 2,234,887; Mar. 11.
Heel tabs onto combination leg and foot stocking blanks, Knitting. F. Lambach. 2,234,564; Mar. 11.
Hinge attachment for connecting bin frames to combines, Oscillating. H. H. Freeman. 2,234,629; Mar. 11.
Holder: *See*—
Animal holder. Film slide holder.
Bottle holder. Firecracker holder.
Combination holder. Paper roll holder.
Holder for caskets, Spray. L. E. Wilson. 2,234,512; Mar. 11.
Holding device for an airplane. R. H. Fleet, W. B. Wheatley, and I. M. Laddon. 2,234,752; Mar. 11.
Hook: *See*—
Snap hook.
Hose and coupling structure. J. A. Muller. 2,234,350; Mar. 11.
Hot water house heater, Mobile. J. M. Loveless. 2,234,869; Mar. 11.
Humidity control apparatus. K. C. Brown and F. J. Weyher. 2,234,858; Mar. 11.
Hydrant, Flush type fire. C. H. Scott and P. H. Scott. 2,234,635; Mar. 11.
Hydrocarbon composition containing organic boron compounds. R. Rosen. 2,234,581; Mar. 11.
Hydrocarbons, Conversion of olefin. E. R. Kanhofer. 2,234,177; Mar. 11.
Hydrocarbons, Production of. E. Linckh. 2,234,568; Mar. 11.
Hydrocarbons, Synthesizing. P. C. Keith, Jr. 2,234,941; Mar. 11.
Hydrogen chloride, Storing and transporting anhydrous. A. H. Maude. 2,234,738; Mar. 11.
Hydrogen peroxide, Manufacture of. G. Adolph and M. E. Bretschger. 2,234,908; Mar. 11.
Ice, Manufacture of snow. F. W. Brady. 2,234,425; Mar. 11.
Identification device. H. Franke. 2,234,339; Mar. 11.
Ignition manifold system, Shielded. E. A. Robertson. 2,234,579; Mar. 11.
Illuminating device. J. W. and R. W. Martin. 2,234,444; Mar. 11.
Images, Electronoptically enlarging. M. Ploke. 2,234,806; Mar. 11.
Impulse method of direction finding. K. Dziewior. 2,234,334; Mar. 11.
Inclinometer. B. W. King. 2,234,436; Mar. 11.
Ingot mold, Rotatable. A. H. Jung. 2,234,528; Mar. 11.
Indicator: *See*—
Ampere demand indicator.
Ink composition of matter. F. V. Lofgren. 2,234,183; Mar. 11.
Ink fountain mixer and agitator. W. Gegenheimer. 2,234,754; Mar. 11.
Insecticide. C. L. Moyle and G. H. Coleman. 2,234,381; Mar. 11.
Insecticide dispenser. H. Moore. 2,234,500; Mar. 11.
Instrument for determining vitamin A deficiency. W. O. Frohring, H. F. Seibert and J. M. Tabor. 2,234,240; Mar. 11.
Insulating material, Electrical. A. L. Quinlan. 2,234,353; Mar. 11.
Insulator bushing. J. Rebhan. 2,234,275; Mar. 11.
Insulator tie for electric conductors. J. H. Schmalz. 2,234,656; Mar. 11.
Insulators, Manufacturing electric. J. J. Taylor. 2,234,391; Mar. 11.
Internal combustion engine. O. C. Linthwaite. 2,234,918; Mar. 11.
Internal combustion engine. M. Mallory. 2,234,267; Mar. 11.
Internal combustion engine. C. N. Mitchell. 2,234,844; Mar. 11.
Invalid carrier. R. W. Sutton. 2,234,483; Mar. 11.
Iron and in support forming current supply plugs for said irons, Electric smoothing. J. Lobstein. 2,234,347; Mar. 11.
Ironing device, Garment pocket. J. H. Leef. 2,234,496; Mar. 11.
Jack: *See*—
Automobile jack.
Job planning device. R. C. Hanford. 2,234,248; Mar. 11.
Joint: *See*—
Expansion joint. Universal joint.
Rail joint.
Juice extracting machine. B. C. Skinner and J. J. R. Bristow. 2,234,880; Mar. 11.
Knife. J. E. Nelson. 2,234,532; Mar. 11.
Knitting machine, Flat. K. P. Spindler and P. Drechsel. 2,234,389; Mar. 11.
Knitting machine with electrically controlled parts. V. W. Mehnert. 2,234,271; Mar. 11.
Knob spindle lock. M. Falk. 2,234,912; Mar. 11.
Knots, Tying figure 8. M. N. Noling. 2,234,190; Mar. 11.
Lactones, Preparation of. C. Collaud. 2,234,551; Mar. 11.
Ladder, Collapsible. H. B. Rich and A. Kramer. 2,234,944; Mar. 11.
Laminated material and making same. D. E. Edgar. 2,234,256; Mar. 11.
Lasting clamp. F. Ashworth and C. W. Baker. 2,234,544; Mar. 11.

Lasting machine. F. Ricks and J. W. Pratt. 2,234,279; Mar. 11
Latch: *See*—
Refrigerator door latch. Refrigerator latch.
Lawn edger, Double shearing. A. E. England. 2,234,370; Mar. 11.
Leveling beam for horizontal chamber, Ovens producing gas and coke. H. Koppers. 2,234,827; Mar. 11.
Levo-1-phenyl-2-methyl-ethylamino propanol-1 and acid addition salts thereof and making them. R. S. Shelton. 2,234,933; Mar. 11.
Lift, Power. G. Geraldson. 2,234,923; Mar. 11.
Lifter: *See*—
Can lifter.
Lighter, Friction wheel. H. Maltner. 2,234,768; Mar. 11.
Lightning protective system. J. S. Steele, Jr. 2,234,205; Mar. 11.
Link for endless traction belts. L. M. Kubaugh. 2,234,927; Mar. 11.
Liquid proportioning system. A. E. Kittredge. 2,234,561; Mar. 11.
Load transfer apparatus. C. H. Hunsaker. 2,234,255; Mar. 11.
Lock: *See*—
Door lock. Knob spindle lock.
Locking and tightening device. E. S. Persson. 2,234,776; Mar. 11.
Locking device. R. Marple. 2,234,872; Mar. 11.
Locomotive driven by high speed piston steam engines, Steam. H. Carl. 2,234,365; Mar. 11.
Locomotive, Turbine. E. Baumann. 2,234,361; Mar. 11.
Loom. C. M. Bishop. 2,234,619; Mar. 11.
Loom reed. A. Hornig. 2,234,408; Mar. 11.
Lubricating system. S. R. Puffer. 2,234,777; Mar. 11.
Lubrication apparatus. W. G. Brown. 2,234,229; Mar. 11.
Machine for cutting or grinding spirally grooved cams. P. A. Newman. 2,234,382; Mar. 11.
Machine for forming plastic materials. M. Gallo. 2,234,432; Mar. 11.
Machine for slitting rolls. R. T. Holmes. 2,234,841; Mar. 11.
Magnesium oxide, Manufacture of activated. H. H. Chesny. 2,234,367; Mar. 11.
Manganese alloy. R. S. Dean. 2,234,428; Mar. 11.
Marker, Grave. B. R. Davis. 2,234,369; Mar. 11.
Marking machine. F. W. Reinhold and C. E. Edwards. 2,234,277; Mar. 11.
Marking machine. C. D. Tilson. 2,234,536; Mar. 11.
Match book. F. J. Redcliffe. 2,234,276; Mar. 11.
Material handling apparatus. C. L. Sluyter. 2,234,287; Mar. 11.
Material, Method of and apparatus for briquetting fine-grained, pulverulent or dust-fine. F. Herglotz. 2,234,644; Mar. 11.
Materials and the material thus obtained, Impregnating fibrous. A. Brunner and G. Von Finck. 2,234,363; Mar. 11.
Materials, Dyeing of cellulosic textile. J. Boulton and T. H. Morton. 2,234,889; Mar. 11.
Materials, Dyeing of cellulosic textile. E. E. Tallis. 2,234,905; Mar. 11.
Materials for dyeing and for other purposes, Method of and apparatus for winding and unwinding. B. J. Goldsmith. 2,234,800; Mar. 11.
Materials testing apparatus. G. I. Boccasile. 2,234,228; Mar. 11.
Materials, Treating cellulose derivative. J. B. Dickey and J. B. Normington. 2,234,861; Mar. 11.
Meat cover. P. Arzet and G. O. Lorenz. 2,234,794; Mar. 11.
Mechanism for opening huller gin breasts. F. E. Deems. 2,234,429; Mar. 11.
Metal melting method and apparatus. H. Hartmann. 2,234,898; Mar. 11.
Metal, Method of and apparatus for forming. R. Gillis. 2,234,340; Mar. 11.
Metal stock, Edge cutting of sheet. O. E. Rosen. 2,234,320; Mar. 11.
Metal strip, Method and apparatus for cleaning. J. F. Ferm and E. W. Hopper. 2,234,593; Mar. 11.
Metal structure, Fabricated. W. W. Smith. 2,234,782; Mar. 11.
Metals, Improving machineability of ferrous. F. F. McIntosh. 2,234,572; Mar. 11.
Metallic composition. W. H. Groombridge and J. E. Newns. 2,234,245–6; Mar. 11.
Metallurgical apparatus. W. E. Greenawalt. 2,234,473; Mar. 11.
Meter: *See*—
Extinction type exposure meter.
Microscope, Shielded electron. E. Ruska. 2,234,281; Mar. 11.
Mixer: *See*—
Concrete mixer.
Moccasins, Manufacture of. F. Ashworth and C. W. Baker. 2,234,543; Mar. 11.
Modulating system. W. N. Parker. 2,234,875; Mar. 11.
Moisture-repellent product and producing same. A. J. Weinig. 2,234,484; Mar. 11.
Mold: *See*—
Ingot mold.
Mold plug. E. L. Ramsey and L. G. Graper. 2,234,634; Mar. 11.
Molding apparatus. L. H. Peck. 2,234,604; Mar. 11.
Mortician's instrument. C. H. Whitney. 2,234,715; Mar. 11.
Motor: *See*—
Electric motor. Fluid motor.
Motor control apparatus. J. R. MacKay. 2,234,349; Mar. 11.
Motor vehicle. J. N. H. Tait and W. M. Blagden. 2,234,882; Mar. 11.
Motor vehicle. M. Tibbetts. 2,234,392; Mar. 11.
Mounting: *See*—
Ophthalmic mounting. Signal button mounting.
Seat mounting.
Mud line pressure control valve. S. W. Craig. 2,234,798; Mar. 11.
Music instrument, Electric. R. S. Gilbert. 2,234,490; Mar. 11.
Musical instrument. F. A. Stainbrook. 2,234,482; Mar. 11.
Musical instrument, Stringed. J. J. Moore. 2,234,874; Mar. 11.
Nail decorating method and device. F. M. Smaldone. 2,234,657; Mar. 11.
Naphthas, Beneficiating. R. E. Burk. 2,234,538; Mar. 11.
Needle and clamp therefor. C. T. Walter. 2,234,686; Mar. 11.
Nonferrous alloy, Hardened. R. S. Dean and C. T. Anderson. 2,234,552; Mar. 11.
Nozzle and closure therefor. J. M. Hothersall. 2,234,168; Mar. 11.
Nut, Anchor. D. C. Hungerford. 2,234,557; Mar. 11.
Oil, Lubricating. S. E. Jolly. 2,234,915; Mar. 11.
Oil, Making heavy fuel. E. W. Thiele. 2,234,207; Mar. 11.
Oil, Production of lubricating. U. B. Bray. 2,234,549; Mar. 11.
Oil prospecting method. M. S. Taggart, Jr. 2,234,637; Mar. 11.
Oils, Cracking hydrocarbon. J. M. Barron. 2,234,910; Mar. 11.
Oils, Dewaxing hydrocarbon. L. D. Jones. 2,234,916; Mar. 11.
Oils, Manufacture of vulcanized, modified fatty. L. Añer. 2,234,545; Mar. 11.
Oils, Producing lubricating. H. Tramm. 2,234,661; Mar. 11.
Ophthalmic mounting. B. J. Lowres. 2,234,265; Mar. 11.
Optical scanning, Method and apparatus for. K. C. D. Hickman. 2,234,697; Mar. 11.
Ornament, Christmas. J. R. Sexton. 2,234,835; Mar. 11.
Oscillator, Continuously variable crystal-stabilized. L. B. Tollaksen. 2,234,209; Mar. 11.
Oscillator, Inverter. W. A. Depp. 2,234,690; Mar. 11.
Oven, Baking. O. S. Haskell. 2,234,730; Mar. 11.
Oven, Broad coke. C. H. Hughes. 2,234,171–4; Mar. 11.
Oven, Electric. G. D. Wilkinson and W. D. Kelly. 2,234,787; Mar. 11.
p-Nitrosophenol, Making. T. S. Donovan and L. J. Behrndt. 2,234,692; Mar. 11.
Package, Multiple. L. L. Salfisberg. 2,234,655; Mar. 11.
Packaging machine. J. Jackson and A. J. Schmidt. 2,234,175; Mar. 11.
Packing. A. H. De Shong. 2,234,520; Mar. 11.
Pad: *See*—
Sanitary hand pad.
Palmetto cutting and root exterminating machine. L. E. Reno. 2,234,534; Mar. 11.
Pan, Refrigerator drip. H. J. Strobush, G. H. Platten, and D. Swanson. 2,234,846; Mar. 11.
Paperboard manufacture. F. A. Strovink. 2,234,457; Mar. 11.
Paper, Making colored. H. A. Lubs and E. R. Laughlin. 2,234,648; Mar. 11.
Paper roll holder. E. O. Bulman. 2,234,818; Mar. 11.
Pelts, Dehairing of. R. H. Plass. 2,234,352; Mar. 11.
Pen, Fountain. J. A. Snodgrass. 2,234,812; Mar. 11.
Pessary. W. V. Lay. 2,234,495; Mar. 11.
Photo copying machine. F. E. Altman and F. A. Tompkins. 2,234,717; Mar. 11.
Photoelectric cell. C. W. Hewlett. 2,234,696; Mar. 11.
Photoelectric transmitter. L. M. Potts. 2,234,832; Mar. 11.
Photoelectric tube. P. Görlich. 2,234,801; Mar. 11.
Photographic objective. C. Ort. 2,234,707; Mar. 11.
Picker stick mechanism for looms, Parallel motion. H. A. Davis. 2,234,860; Mar. 11.
Picture film reel, Moving. W. H. Searjeant. 2,234,321; Mar. 11.
Picture hanger. L. F. Dubv. 2,234,821; Mar. 11.
Picture titler, Motion. L. R. Martin. 2,234,702; Mar. 11.
Pigment paste, Production of metallic. C. P. Harris. 2,234,164; Mar. 11.
Pigments in viscose, Incorporating water-repellent. H. B. Kline. 2,234,734; Mar. 11.
Pillow, Lay. M. E. Sistig. 2,234,506; Mar. 11.
Pipe: *See*—
Smoker's pipe.
Pipe joint for concrete pipe. F. N. Grant. 2,234,643; Mar. 11.
Piston construction. J. L. Harrah. 2,234,762; Mar. 11.
Piston expander, Split skirt. F. C. Dalton. 2,234,519; Mar. 11.

Pit cover handling apparatus, Soaking. E. L. Raysor. 2,234,807; Mar. 11.
Planter, Onion. B. R. Redwood. 2,234,778; Mar. 11.
Plasticizer. C. H. Alexander. 2,234,615; Mar. 11.
Plasticizer. F. W. A. Olze. 2,234,191; Mar. 11.
Plow unit. F. Perosa. 2,234,351; Mar. 11.
Plug: *See*—
Connector plug. Mold plug.
Plumbing fixture. L. Bloch. 2,234,226; Mar. 11.
Polymer and producing same, Stabilized plastic chloroprene. H. W. Walker. 2,234,211; Mar. 11.
Polymer and producing the same, Stabilized plastic. H. W. Starkweather and A. M. Collins. 2,234,203; Mar. 11.
Polymer of butadiene and producing same, Plastic. H. W. Starkweather and M. A. Youker. 2,234,204; Mar. 11.
Polymeric derivatives of chloroprene and producing the same, Plastic. M. A. Youker. 2,234,215; Mar. 11.
Polyvinyl chloride solution and making the same. R. F. Wolf. 2,234,212; Mar. 11.
Potato slicing machine. L. D. Kroff. 2,234,867; Mar. 11.
Poultry feeder. C. and L. C. Hatfield. 2,234,406; Mar. 11.
Power transmission device, Automatic. T. H. Ryan. 2,234,384; Mar. 11.
Press: *See*—
Baling press. Ski press.
Rotary press.
Printing device, Letter operated. L. A. Thatcher. 2,234,583; Mar. 11.
Printing mechanism. T. E. Torkelson. 2,234,291; Mar. 11.
Printing plate and making same. J. J. Murray. 2,234,189; Mar. 11.
Printing plates for application to printing cylinders, Preparing. W. F. Huck. 2,234,170; Mar. 11.
Prism, Optical. K. Bauer. 2,234,665; Mar. 11.
Production planning device. R. C. Hanford. 2,234,249; Mar. 11.
Profile copying mechanism. F. A. Parsons. 2,234,775; Mar. 11.
Program transmission, System of. A. B. Buffington. 2,234,817; Mar. 11.
Projectile. J. S. Hatcher and J. C. Gray. 2,234,165; Mar. 11.
Projection receiver. F. Below, P. Lindner, and E. Schwartz. 2,234,227; Mar. 11.
Propeller or rotor construction. R. H. Prewitt. 2,234,196; Mar. 11.
Protection device for electrical networks. R. Dubuisc. 2,234,285; Mar. 11.
Protective composition. C. R. Gleason. 2,234,672; Mar. 11.
Protector: *See*—
Glass gauge protector.
Puller: *See*—
Bushing puller.
Pulley, Variable pitch. P. F. Koch. 2,234,917; Mar. 11.
Pump: *See*—
Fuel pump.
Pump and process of setting the piston thereof. R. D. Streby. 2,234,936; Mar. 11.
Punch. G. F. Wales. 2,234,849; Mar. 11.
Push-button switch. H. C. Hall and G. O. Puerner. 2,234,405; Mar. 11.
Pyrazolone-sulphonic acids and making the same. H. P. Kaufmann. 2,234,866; Mar. 11.
Radiant energy receiving device. I. Wolff. 2,234,328; Mar. 11.
Radio alarm system. J. O. Howton. 2,234,598; Mar. 11.
Radio communication system. E. Gossel. 2,234,244; Mar. 11.
Radio direction finding system. H. T. Budenbom. 2,234,587; Mar. 11.
Radio direction finding, Ultra high frequency. D. S. Bond. 2,234,331; Mar. 11.
Rail joint. W. Matlock. 2,234,530; Mar. 11.
Raincoat and head covering. W. P. Schneider. 2,234,582; Mar. 11.
Rake. H. T. Jenkins. 2,234,865; Mar. 11.
Reamer. D. D. Anderson. 2,234,219; Mar. 11.
Receptacle: *See*—
Sewing receptacle.
Tractor-mounted receptacle.
Reel: *See*—
Picture film reel.
Refrigerating apparatus. H. V. Frisdman. 2,234,372; Mar. 11.
Refrigerating apparatus. H. B. Hull. 2,234,254; Mar. 11.
Refrigerating apparatus. G. C. Pearce. 2,234,740; Mar. 11.
Refrigerating apparatus. H. F. Smith. 2,234,742; Mar. 11.
Refrigerating machine. L. W. Atchison. 2,234,719; Mar. 11.
Refrigerating machine. C. Steenstrup. 2,234,711; Mar. 11.
Refrigeration. W. W. Higham and S. H. Morse. 2,234,474; Mar. 11.
Refrigeration. A. A. McCormack. 2,234,571; Mar. 11.
Refrigeration control system. J. L. Harris. 2,234,250; Mar. 11.
Refrigeration unit. P. H. Mallet. 2,234,498; Mar. 11.
Refrigerator. O. Jurasek. 2,234,306; Mar. 11.
Refrigerator. H. Wallace. 2,234,639; Mar. 11.
Refrigerator construction with latch and hinge means out of cold zone. E. Swedman. 2,234,847; Mar. 11.
Refrigerator door latch. E. Pick. 2,234,651; Mar. 11.
Refrigerator latch. S. W. Parsons. 2,234,541; Mar. 11.
Refrigerator unit, Quick freeze. W. S. Phillips. 2,234,415; Mar. 11.
Regulator: *See*—
Electric regulator.
Remote control device for automatic phonographs. R. I. Wilcox. 2,234,937; Mar. 11.
Reset mechanism, Automatic. J. E. Haines. 2,234,913; Mar. 11.
Resin and making same, Hydrophobe phenol-formaldehyde. K. Loos. 2,234,569; Mar. 11.
Resin, Manufacture of hydrocarbon. C. A. Thomas. 2,234,660; Mar. 11.
Resin, Phenolic. J. L. Brannon. 2,234,548; Mar. 11.
Ricer construction. S. and B. B. Hayden. 2,234,251; Mar. 11.
Rock bit cutter. J. V. Pennington. 2,234,273; Mar. 11.
Rod: *See*—
Extension curtain rod.
Roll arrangement for corn pickers. C. Norman. 2,234,447; Mar. 11.
Roller, Interchangeable stippling. C. A. Harpootlian. 2,234,761; Mar. 11.
Roofing or like structure. S. L. Eason. 2,234,799; Mar. 11.
Rotary press. P. A. Frazier. 2,234,726; Mar. 11.
Rubber, Treatment of. W. P. Ter Horst. 2,234,848; Mar. 11.
Safetypin. J. T. Brueggeman. 2,234,852; Mar. 11.
Safety rod turning device. P. L. Ciaccio. 2,234,398; Mar. 11.
Sanitary hand pad. J. Flandach. 2,234,670; Mar. 11.
Scavenger roll. E. F. Rose. 2,234,779; Mar. 11.
Scissors, Surgical. J. A. Freel. 2,234,472; Mar. 11.
Seal for cold storage and like doors. S. A. Orcutt. 2,234,773; Mar. 11.
Seal, Oil. L. H. Diehl, G. T. Balfe, and H. B. Denman. 2,234,625; Mar. 11.
Seat: *See*—
Bicycle seat.
Seat construction, Swivel. A. R. Hedges. 2,234,344; Mar. 11.
Seat mounting, Adjustable. W. R. Lustig. 2,234,442; Mar. 11.
Separable fastener. R. A. Hatch. 2,234,939; Mar. 11.
Separator: *See*—
Centrifugal separator.
Sequence controller. R. C. Davis and C. W. Graham. 2,234,911; Mar. 11.
Service fitting. M. B. Austin, Jr. 2,234,640; Mar. 11.
Sewing machine. F. A. Kucera. 2,234,928; Mar. 11.
Sewing machine. N. Waldman and E. Polimac. 2,234,295; Mar. 11.
Sewing receptacle. J. V. Murrell. 2,234,739; Mar. 11.
Shaker, Combination salt and pepper. L. Doucette. 2,234,749; Mar. 11.
Shaver. J. Bruecker. 2,234,892; Mar. 11.
Shaving implement. J. Bruecker. 2,234,891; Mar. 11.
Shaving implement. J. Bruecker. 2,234,893; Mar. 11.
Shaving implement. J. W. Lynch. 2,234,929; Mar. 11.
Sheet feeding means. C. D. Lake. 2,234,262; Mar. 11.
Shield, Boiler tube. E. A. Baerer. 2,234,222; Mar. 11.
Shims, Producing laminated. E. L. Young. 2,234,214; Mar. 11.
Shingle and roof formed therewith, Composition. T. G. Murphy. 2,234,446; Mar. 11.
Shoe heel construction. J. P. Taylor. 2,234,390; Mar. 11.
Shoe plate. F. D. Reynolds. 2,234,453; Mar. 11.
Shoe uppers, Method of and apparatus for smoothing. L. J. Bazzoni. 2,234,547; Mar. 11.
Short wave reception. B. Trevor and R. W. George. 2,234,584; Mar. 11.
Shortening, Treatment of supercooled. R. C. Newton and G. W. Phelps. 2,234,931; Mar. 11.
Shutter, Awning. A. Swanfeldt. 2,234,712; Mar. 11.
Shuttle check for looms. E. R. Holmes. 2,234,597; Mar. 11.
Signal: *See*—
Emergency brake signal.
Signal button mounting. J. C. Mills. 2,234,478; Mar. 11.
Signal device, Automatic speed. E. J. Kromholz. 2,234,309; Mar. 11.
Signal with electric control, Traffic. T. Tone. 2,234,610; Mar. 11.
Silencer for internal combustion engines. W. P. Wold. 2,234,612; Mar. 11.
Silicate composition, Water resistant alkali. C. H. Humphries. 2,234,646; Mar. 11.
Silk and manufacturing same, Delustered artificial. J. Kantorowicz. 2,234,307; Mar. 11.
Ski press. C. J. Davis. 2,234,487; Mar. 11.
Slab construction. C. M. Burner. 2,234,797; Mar. 11.
Slant rolling. A. Lauer. 2,234,182; Mar. 11.
Slivers or rovings and means therefor, Producing extensible. W. Zetzsche, F. Schiele, G. Ludwig, W. Rodenacker, E. Baumann, and R. Hartmuth. 2,234,330; Mar. 11.
Smoker's pipe. W. Rubly. 2,234,418; Mar. 11.

Snap hook. J. T. Brueggeman. 2,234,853; Mar. 11.
Snowplow. A. Hetzelt. 2,234,645; Mar. 11.
Snowplow. C. B. Jensen. 2,234,176; Mar. 11.
Soap, Preservation of. G. D. Martin. 2,234,379; Mar. 11.
Sound intensity recorder. G. Neumann. 2,234,573; Mar. 11.
Sound producing device for toys. H. D. Allen. 2,234,837; Mar. 11.
Speed controlling device. W. T. Lang. 2,234,181; Mar. 11.
Speed device, Variable. A. Essex and E. P. Ross. 2,234,337; Mar. 11.
Speed mechanism, Change. G. Frink. 2,234,693; Mar. 11.
Spider, Square bowl tubing. R. M. Garrison and D. C. Sharp. 2,234,489; Mar. 11.
Spring and making the same, Leaf. W. H. Wallace. 2,234,850; Mar. 11.
Spring device for vehicles. A. van Dillen. 2,234,886; Mar. 11.
Spring for infants' cribs, Two-way. S. and N. J. Kroll. 2,234,261; Mar. 11.
Spring structure for cushioned seats. T. Burke. 2,234,230; Mar. 11.
Spring support. H. Hopkes. 2,234,253; Mar. 11.
Sprinkler head shutoff device. J. D. Tessier. 2,234,290; Mar. 11.
Stamp and inking means therefor. O. N. Wiswell. 2,234,422; Mar. 11.
Stand: *See*—
Bicycle stand.
Stapling machine. W. Schafroth. 2,234,808; Mar. 11.
Steam trap. D. E. Schott. 2,234,387; Mar. 11.
Steering mechanism for motor vehicles. W. M. Blagden. 2,234,888; Mar. 11.
Stencil sheet and forming the same. L. E. Fuller. 2,234,694; Mar. 11.
Still residues, Treatment of. J. Rivkin. 2,234,708; Mar. 11.
Stock quotation system. H. C. Robinson and M. L. Nelson. 2,234,684; Mar. 11.
Stoker. W. L. Lentz. 2,234,601; Mar. 11.
Stoker control. E. K. Scoggin. 2,234,388; Mar. 11.
Stoker control system. C. G. Kronmiller. 2,234,375–6; Mar. 11.
Store and store counter. J. G. Alley. 2,234,424; Mar. 11.
Straightedge, Draftsman's mobile. H. L. De Lisle. 2,234,467; Mar. 11.
Strip pickling and cleaning device, Continuous. F. J. Wood. 2,234,815; Mar. 11.
Sulphur, Extracting. D. McDonald. 2,234,269; Mar. 11.
Support: *See*—
Churn support. Drapery support.
Combination spacer and form support. Spring support.
Surface finishing machine, Multiple station. R. S. Drummond. 2,234,553; Mar. 11.
Switch: *See*—
Push-button switch.
Switch for generators. E. H. Otterbacher. 2,234,683; Mar. 11.
Switch mechanism for vehicle signals. P. Nielsen. 2,234,412; Mar. 11.
Switching apparatus. H. F. Obergfell. 2,234,650; Mar. 11.
Table: *See*—
Feed table. Underreaming tool.
Tool: *See*— Valve seating tool.
Boring tool. Waxing tool.
Culinary tool.
Tabulating machine. F. L. Fuller and G. F. Daly. 2,234,241; Mar. 11.
Take-off control and method. R. H. Fleet, W. B. Wheatley, and I. M. Laddon. 2,234,751; Mar. 11.
Tamper. E. R. Porter. 2,234,831; Mar. 11.
Tank and mechanism, Flush. F. Liebert. 2,234,567; Mar. 11.
Temperature control system. W. M. Smith and T. J. Lehane. 2,234,288; Mar. 11.
Terminal enclosure. F. L. Aime. 2,234,662; Mar. 11.
Testing circuit. E. B. Morrow. 2,234,272; Mar. 11.
Thread carrier change device. P. Tuchscherer. 2,234,885; Mar. 11.
Thread, Crimped. F. Hoelkeskamp. 2,234,763; Mar. 11.
Tie. C. M. Miller. 2,234,312; Mar. 11.
Tin plate, Manufacturing. C. G. Preis. 2,234,195; Mar. 11.
Tire boot or liner, Pneumatic. E. C. Goodrich. 2,234,403; Mar. 11.
Tire, Nonskid. F. B. Hewel. 2,234,823; Mar. 11.
Titanium dioxide pigments, Phthalate treated. W. K. Nelson and A. O. Ploetz. 2,234,681; Mar. 11.
Toaster, Automatic. M. H. Graham. 2,234,759; Mar. 11.
Toaster, Electric. M. Ireland. 2,234,764; Mar. 11.
Tone signal source for telephone signaling systems. L. R. Wrathall. 2,234,213; Mar. 11.
Tool for disassembling and reassembling brake heads and pistons. M. W. Butcher. 2,234,819; Mar. 11.
Tool removing device. G. L. Kothny. 2,234,438; Mar. 11.
Toothpick dispenser. J. A. Laudien. 2,234,868; Mar. 11.
Tower for coking plants, Quenching. H. Koppers. 2,234,826; Mar. 11.
Toy. J. D. Beck, M. E. Powell, and J. E. Hagood. 2,234,617; Mar. 11.
Toy automatic rifle. J. P. Walczak. 2,234,509; Mar. 11.
Tractor-mounted receptacle. E. A. Johnston. 2,234,599; Mar. 11.
Traffic signal control, Railway preference. F. H. Richterkessing. 2,234,606; Mar. 11.
Transmission. H. A. Knox. 2,234,179; Mar. 11.
Transmitter. C. E. Potter and J. W. Kendall. 2,234,318; Mar. 11.
Transplanting device. V. W. Mason. 2,234,873; Mar. 11.
Trap: *See*—
Steam trap.
Tray for refrigerators, Reserve. S. Gönczi. 2,234,862; Mar. 11.
Tree mover. W. L. Jeffrey. 2,234,433; Mar. 11.
Trigonometric identifier. W. N. De Turk. 2,234,896; Mar. 11.
Tripod. P. L. and P. J. Ries. 2,234,357; Mar. 11.
Trolling device. G. E. Nyman. 2,234,943; Mar. 11.
Truck for pallets and the like, Elevating. R. Hastings, Jr. 2,234,925; Mar. 11.
Truck, Industrial. K. O. Asper. 2,234,851; Mar. 11.
Tube: *See*—
Braun tube. Photoelectric tube.
Tube circuit, Balanced vacuum. H. T. Budenbom. 2,234,687; Mar. 11.
Tube relay control, Oscillator. J. P. Cerveny and W. F. Priest. 2,234,895; Mar. 11.
Tubes, Method for making. B. L. Quarnstrom. 2,234,450; Mar. 11.
Tubes, Process and apparatus for expanding. H. Heetkamp. 2,234,863; Mar. 11.
Tuning device for violins and the like. N. B. Abrams. 2,234,218; Mar. 11.
Tuning device for radio receivers, Timed automatic. J. M. Davenport. 2,234,668; Mar. 11.
Turbine, Gas. W. H. Allen. 2,234,793; Mar. 11.
Underreaming tool. W. L. Marshall. 2,234,477; Mar. 11.
Universal joint, Constant velocity. H. Wollner. 2,234,296; Mar. 11.
Vacuum distillation. K. C. D. Hickman. 2,234,166; Mar. 11.
Vaginal diaphragm. W. V. Lay. 2,234,494; Mar. 11.
Valve: *See*—
Fuel injection delivery valve.
Mud line pressure control valve.
Valve. C. F. Johnson. 2,234,434; Mar. 11.
Valve controlling means. R. J. Brown. 2,234,795; Mar. 11.
Valve for rock drills. A. R. Mack. 2,234,348; Mar. 11.
Valve for shampoo hoses and the like. W. F. Schaub and J. H. McCrery. 2,234,386; Mar. 11.
Valve mechanism, Compressor unloading. B. Dick. 2,234,469; Mar. 11.
Valve mechanism, Compressor unloading. B. Dick. 2,234,488; Mar. 11.
Valve mechanism for snow removing machines, Control. I. Sicard. 2,234,322; Mar. 11.
Valve mechanism for unloading compressors. W. F. Boldt. 2,234,462; Mar. 11.
Valve mechanism for unloading compressors. B. Dick. 2,234,470; Mar. 11.
Valve mechanism for unloading compressors. C. B. Fites. 2,234,471; Mar. 11.
Valve motion mechanism for fluid pressure engines. W. E. Woodard. 2,234,614; Mar. 11.
Valve seating tool. C. T. Rottler. 2,234,710; Mar. 11.
Vapors, Treating. W. A. Schulze. 2,234,505; Mar. 11.
Vehicle: *See*—
Automotive vehicle. Motor vehicle.
Vehicle body. C. W. Avery, C. H. Widman, and N. C. Clark. 2,234,221; Mar. 11.
Vending machine. F. Payne. 2,234,316; Mar. 11.
Vial necking machine. R. H. Koenig. 2,234,308; Mar. 11.
Vibrator. J. F. Meyer. 2,234,770; Mar. 11.
View finder for cameras. D. L. Wood. 2,234,716; Mar. 11.
Violin bow. H. L. Notter. 2,234,682; Mar. 11.
Viscose solutions, Manufacture of. H. L. Bredee. 2,234,626; Mar. 11.
Visor. A. J. Schoenheit. 2,234,284; Mar. 11.
Vitamins, Recovering. H. W. Elley and J. Waddell. 2,234,554; Mar. 11.
Voting machine. A. N. Gustavson. 2,234,632; Mar. 11.
Vulcanization. D. Spence. 2,234,743; Mar. 11.
Vulcanized product from rubber and method of vulcanizing rubber. D. Spence. 2,234,202; Mar. 11.
Ware, Making aluminum. S. Hayden. 2,234,491; Mar. 11.
Washer and producing the same, Lock. O. J. Poupitch. 2,234,194; Mar. 11.
Washing machine. J. F. Ross. 2,234,878; Mar. 11.
Washing machine. C. R. Vick. 2,234,836; Mar. 11.
Water, Treatment of boiler feed. E. F. Walsh. 2,234,786; Mar. 11.

Waters, Treatment of natural. W. B. Schworm and A. V. Graf. 2,234,285; Mar. 11.
Wax suspension. J. V. Steinle and A. E. Budner. 2,234,934; Mar. 11.
Wax, Vegetable. J. V. Steinle and E. S. McLoud. 2,234,935; Mar. 11.
Waxing tool. C. H. Parks. 2,234,805; Mar. 11.
Weather strip for metal windows. S. J. Nolan. 2,234,533; Mar. 11.
Web conveying machine. G. C. Beidler. 2,234,297; Mar. 11.
Welding apparatus. E. G. Chambers. 2,234,232; Mar. 11.
Welding clamp. P. M. Bundy and A. E. Beaudett. 2,234,396; Mar. 11.
Welding method, Electric. F. H. Rehse. 2,234,855; Mar. 11.
Well completing device. J. H. Howard. 2,234,493; Mar. 11.
Wheel: *See*—
Emergency safety wheel.
Wiper, Windshield. R. J. Rodrick. 2,234,709; Mar. 11.
Wire, Covered. J. J. Keyes. 2,234,560; Mar. 11.
Wire fabric. R. J. Guba. 2,234,247; Mar. 11.
Workbox. M. O. Corey. 2,234,233; Mar. 11.
Wringer. W. L. Kaufman II. 2,234,258; Mar. 11.
Writing implement and magnifying device, Combined. E. B. Nichols. 2,234,942; Mar. 11.
Yarn conditioning process and composition therefor. J. B. Dickey and J. G. McNally. 2,234,722; Mar. 11.
Yarn, Manufacture of staple fibre. L. S. Fryer. 2,234,540; Mar. 11.
Yarn treating process and composition therefor. J. B. Dickey and J. G. McNally. 2,234,721; Mar. 11.
Yielding follow-up control. H.-W. Tiebel. 2,234,326; Mar. 11.
Zero lash device. J. A. Anglada. 2,234,718; Mar. 11.

CLASSIFICATION OF PATENTS

ISSUED MARCH 11, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aeronautical Manufacturing Corporation, Buffalo, N. Y. Automatic thermally operated airplane engine cooling louver controls. Serial No. 429,639; Mar. 18. Class 26.

Albion, Charles M., doing business as Albion & Sons, Cambridge, Mass. Cleaner and polish for varnished, enameled, lacquered, or painted surfaces. Serial No. 438,103; Mar. 18. Class 16.

Alexander, Alexander S., Chicago, Ill. Face cream, skin cells, and astringents. Serial No. 439,142; Mar. 18. Class 6.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Living room, dining room, bedroom, etc., furniture. Serial No. 437,541; Mar. 18. Class 32.

Alex Corporation, Niagara Falls, N. Y. Corrosion-preventing film-forming compositions. Serial No. 439,423; Mar. 18. Class 16.

American Art Works, Inc., The, Coshocton, Ohio. Non-electrical advertising signs of metal. Serial No. 438,785; Mar. 18. Class 50.

Anglo-French Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 440,402; Mar. 18. Class 6.

Ansbacher, Leon F., doing business as Fairy Hanger Co., New York, N. Y. Garment hangers, hose stretcher, forms, and sweater dryer forms. Serial No. 438,749; Mar. 18. Class 50.

Arthur & Foster. (See Pitman, Arthur R.)

Autoyre Company, Incorporated, The, Oakville, Conn. Soap dishes, towel bars, roll holders, tumbler and toothbrush holders, towel racks, etc. Serial No. 438,788; Mar. 18. Class 13.

B & M Company, Grand Saline, Tex. Antiseptic. Serial No. 440,353; Mar. 18. Class 6.

Babs Creations, Inc., New York, N. Y. Rouge, lipstick, sachet, perfumes, etc. Serial No. 439,010; Mar. 18. Class 6.

Banks, Charles, doing business as Nar-O Company, St. Louis, Mo. Hair and scalp shampoo, waving lotions, curling fluids, etc. Serial No. 439,265; Mar. 18. Class 6.

Barnes, D. F., Homerville, Ga. Honey. Serial No. 438,754; Mar. 18. Class 46.

Beaver Portland Cement Company, Portland, and Gold Hill, Oreg. Portland cement. Serial No. 439,058; Mar. 18. Class 12.

Bedford Refrigeration Service Corp., Brooklyn, N. Y. Cold storage refrigerators and refrigerating display cases. Serial No. 437,549; Mar. 18. Class 31.

Berkman, Joseph, doing business as Berkman Brothers, Pittsburgh, Pa. Women's dresses, coats, suits, and fur coats, and fur jackets. Serial No. 439,012; Mar. 18. Class 39.

Bestform Foundations, Inc., New York, N. Y. Brassières, bandeaux, and foundation garments. Serial No. 439,682; Mar. 18. Class 39.

Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Finishing rolls for rolling mills. Serial No. 439,193; Mar. 18. Class 23.

Bjorlin, Harold E., doing business as Bjorlin Flakee-Ry Co., Duluth, Minn. Hardtack wafers and discs. Serial No. 438,644; Mar. 18. Class 46.

Blackhawk Mfg. Co., West Allis, Wis. Hydraulic pump and ram units. Serial No. 437,053; Mar. 18. Class 23.

Bo-Kay Perfume Co., New York, N. Y. Cosmetics. Serial No. 437,891; Mar. 18. Class 6.

Bon Marche, The. (See Allied Stores Corporation.)

Bowman, Eugene T., doing business as The Bowman Overall Co., Knoxville, Tenn. Overalls, overall jumpers, work pants, etc. Serial No. 439,886; Mar. 18. Class 39.

Boyle Leather Goods Co. Inc., New York, N. Y. Handbags, suitcases, hat boxes, overnight cases, wardrobe cases, and trunks. Serial No. 439,150; Mar. 18. Class 3.

Britton Fabrics, New York, N. Y. Piece goods. Serial No. 439,248; Mar. 18. Class 42.

Brookhaven Textiles, Inc., New York, N. Y. Corduroy piece goods. Serial No. 437,642; Mar. 18. Class 42.

Buffalo Foundry & Machine Co., Buffalo, N. Y. Machines for drying or evaporating liquids, etc. Serial No. 433,375; Mar. 18. Class 23.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 439,221; Mar. 18. Class 27.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Chemical preparations. Serial No. 440,487; Mar. 18. Class 6.

Cartier, Inc., New York, N. Y. Perfume extracts, toilet waters, face powders, etc. Serial No. 418,476; Mar. 18. Class 6.

Chance, A. B., Company, Centralia, Mo. Games. Serial No. 437,270; Mar. 18. Class 22.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Fabrics made of silk, rayon, cotton, etc. Serial No. 431,146; Mar. 18. Class 42.

Chicopee Sales Corporation, New York, N. Y. Textile diapers. Serial No. 437,056; Mar. 18. Class 39.

Clairol, Incorporated, Stamford, Conn. Hair tints, hair dye, hair washes, etc. Serial No. 439,888; Mar. 18. Class 6.

Cleveland Cleaner and Paste Co., Cleveland, Ohio. Wall paper cleaner. Serial No. 434,898; Mar. 18. Class 4.

Cocilana, Inc., Brooklyn, N. Y. Coffee flavored candy tablets. Serial No. 437,464; Mar. 18. Class 46.

Coe Laboratories, Inc., Chicago, Ill. Impression paste for obtaining equalization of tissue compression in full denture impressions. Serial No. 428,149; Mar. 18. Class 44.

Compañia Sansinena, Sociedad Anonima (Carnes y Derivados), Buenos Aires, Argentina. Chilled and frozen beef, lamb, and pork, canned meat, etc. Serial No. 425,880–3; Mar. 18. Class 46.

Cooper, William & Nephews, Incorporated, Chicago, Ill. Hair shampoo. Serial No. 440,084; Mar. 18. Class 6.

Crowe, Aaron C., Durham, N. C. Preparation for purifying the blood and skin infections. Serial No. 438,195; Mar. 18. Class 6.

Crowell-Collier Publishing Company, The, New York, N. Y. Monthly magazine. Serial No. 439,268; Mar. 18. Class 38.

Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Wrapping and cover paper. Serial No. 439,334; Mar. 18. Class 37.

Dille & McGuire Mfg. Co., Richmond, Ind. Lawn Mowers. Serial No. 438,872; Mar. 18. Class 23.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, cover paper, box covering paper, etc. Serial No. 439,270; Mar. 18. Class 37.

Dome Chemicals, Inc., New York, N. Y. Medicines and pharmaceutical preparations for the treatment of the skin and scalp. Serial No. 440,190–1; Mar. 18. Class 6.

Dupli-Color Products Company, Chicago, Ill. Ready mixed paints. Serial No. 437,999; Mar. 18. Class 16.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds known by the generic name of nylon. Serial No. 439,460; Mar. 18. Class 1.

Earnshaw Knitting Company, Newton, Mass. Packaged children's and infants' garments. Serial No. 439,303; Mar. 18. Class 39.

Edenfield, E. E., doing business as E. E. Edenfield Co., Lakeland, Fla. Canned tomatoes and canned citrus fruits and juices for food purposes. Serial No. 437,275; Mar. 18. Class 46.

Fairy Hanger Co. (See Ansbacher, Leon F.)

Finch, Joseph S., and Company, New York, N. Y., Schenley, Pa., and Lawrencebury, Ind. Gin, whiskey, rum, etc. Serial No. 439,752; Mar. 18. Class 49.

Fischer, Phillip, Chicago, Ill. Dog food. Serial No. 438,649; Mar. 18. Class 46.

Flavorstar Mfg. Co., Los Angeles, Calif. Food products namely, coffee. Serial No. 438,875; Mar. 18. Class 46.

Fletcher, D. J., Eagle Pass, Tex. Fresh vegetables, fresh citrus fruits, and fresh deciduous fruits. Serial No. 438,925; Mar. 18. Class 46.

Florid Co., New York, N. Y. Nail polish. Serial No. 439,862; Mar. 18. Class 6.

Forster Textile Mills, Inc., Chicago Heights, Ill. Curtains, drapes, valances, etc. Serial No. 434,437; Mar. 18. Class 42.

Franc, Strohmenger & Cowan, Inc., Troy, N. Y. Neckties. Serial No. 437,817; Mar. 18. Class 39.

Fruitvale Canning Company, Oakland, Calif. Canned fruits—namely, canned apricots, peaches, and pears. Serial No. 425,049; Mar. 18. Class 46.

Gasparcolor, Inc., Hollywood, Calif. Sensitized photographic materials. Serial No. 439,480; Mar. 18. Class 26.

Gasparcolor, Inc., Hollywood, Calif. Sensitized photographic materials. Serial No. 439,482; Mar. 18. Class 26.

General Dyestuff Corporation, New York, N. Y. Colloidal dispersion suitable for water-proofing textiles. Serial No. 440,329; Mar. 18. Class 6.

General Ribbon Mills, Inc., Dover, Del., and New York, N. Y. Ribbon bows. Serial No. 439,543; Mar. 18. Class 40.

Globe-Union Inc., Milwaukee, Wis. Storage batteries. Serial No. 436,692; Mar. 18. Class 21.

Gonzales, Constantino, y Cia. S. en C., Habana, Cuba. Cigars. Serial No. 435,790; Mar. 18. Class 17.

Gurachs Food Products, Inc., Jersey City, N. J. Maltless beverage sold as a soft drink and concentrate for making the same. Serial No. 438,571; Mar. 18. Class 45.

H. & H. Grocery Co., Baltimore, Md. Canned vegetables and fruits and tomato paste. Serial No. 438,882; Mar. 18. Class 46.

Haas-Miller Corp., Philadelphia, Pa. Gelatinous chemical. Serial No. 440,245; Mar. 18. Class 6.

Maas-Miller Corp., Philadelphia, Pa. Sodium manpuronate. Serial No. 440,246; Mar. 18. Class 6.
Hirsch Distilling Company, Kansas City, Mo. Whiskey. Serial No. 438,654; Mar. 18. Class 49.
Houser, Richard E., Houston, Tex. Lubricating oil which has cleaning, penetrating, and rust preventing properties. Serial No. 438,007; Mar. 18. Class 15.
Humphreys, John M., doing business as Humphrey's Canning Co., Gulfport, Miss. Canned shrimp and canned oysters. Serial No. 439,695; Mar. 18. Class 46.
Hunt, Philip A., Company, Brooklyn, N. Y. Chemicals for developing line and half-tone negatives. Serial No. 439,933; Mar. 18. Class 6.
Inter-America Associates, Inc., New York, N. Y. Synthetic osokirite. Serial No. 436,847; Mar. 18. Class 1.
International Vitamin Corp., New York, N. Y. Vitamin preparations, vitamin concentrates and the like. Serial No. 439,344; Mar. 18. Class 6.
Kliewer, Wesley, doing business as Nevr-Stoop Basket Co., Reedley, Calif. Foldable wash basket. Serial No. 440,335; Mar. 18. Class 2.
Knoxville Glove Company, Knoxville, Tenn. Gloves of leather, rubber, etc. Serial No. 439,276–7; Mar. 18. Class 39.
Knoxville Glove Company, Knoxville, Tenn. Gloves. Serial No. 439,281–3; Mar. 18. Class 39.
Knoxville Glove Company, Knoxville, Tenn. Gloves. Serial No. 439,285–8; Mar. 18. Class 39.
Knoxville Glove Company, Knoxville, Tenn. Gloves. Serial No. 439,290; Mar. 18. Class 39.
Lady Esther Ltd., Chicago, Ill. Finger nail enamel and lipstick. Serial No. 439,048; Mar. 18. Class 6.
Lax, James J., New York, N. Y. Metal cleaners. Serial No. 439,307; Mar. 18. Class 4.
Leggett, Francis H., & Company, New York, N. Y. Cigars. Serial No. 439,349; Mar. 18. Class 17.
Levine, Lawrence J., New York, N. Y. Electromagnetically operated switches. Serial No. 431,167; Mar. 18. Class 21.
Lord & Taylor, New York, N. Y. Slips, petticoats, camisoles, etc. Serial No. 419,584; Mar. 18. Class 39.
Magnolia State Paint Products. (See Roth, Zoltan E.)
McGraw Paint & Asphalt Co., Chicago, Ill. Asphaltic compound for sealing, insulating, or waterproofing exterior and interior surfaces. Serial No. 431,368; Mar. 18. Class 12.
Men's Wear Sales Corp., New York, N. Y. Men's and boys' hats, suits, overcoats, trousers, knickers, etc. Serial No. 437,140; Mar. 18. Class 39.
Montell, Germaine, Cosmetiques Corporation, New York, N. Y. Face powders. Serial No. 439,391; Mar. 18. Class 6.
Musebeck Shoe Company, Danville, Ill. Boots and shoes. Serial No. 437,522; Mar. 18. Class 39.
Mutual Citrus Products Co. Inc., Anaheim, Calif. Carbonated beverage. Serial No. 425,057; Mar. 18. Class 45.
Nar-O Company. (See Banks, Charles.)
National Cash Register Company, The, Dayton, Ohio. Paper. Serial No. 432,265–7; Mar. 18. Class 37.
Nevr-Stoop Basket Co. (See Kliewer, Wesley.)
North American Newspaper Alliance, Inc., New York, N. Y. Newspaper feature or column. Serial No. 439,294; Mar. 18. Class 38.
Omega Shoe Polish Co., Los Angeles, Calif. Shoe polish. Serial No. 437,662; Mar. 18. Class 4.
Oneita Knitting Mills, Utica, N. Y. Sweat shirt. Serial No. 437,010; Mar. 18. Class 39.
Physicians & Hospitals Supply Co. Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Non-inflammable window and glass cleaner. Serial No. 438,281; Mar. 18. Class 4.
Pitman, Arthur R., doing business as Arthur & Foster, Lynn, Mass. Gas cooking stove. Serial No. 437,481; Mar. 18. Class 34.
Plee-Zing, Inc., Chicago, Ill. Washing and cleaning preparation. Serial No. 436,778; Mar. 18. Class 4.
Popper-Morson Co., Inc., Jersey City, N. J. Liqueur. Serial No. 440,056; Mar. 18. Class 49.
Popper-Morson Co., Inc., Jersey City, N. J. Rock and brandy. Serial No. 440,057; Mar. 18. Class 49.
Porcelain Enamel and Manufacturing Company of Baltimore, The, doing business as Porcelain Enamel and Manufacturing Company, Baltimore, Md. Porcelain enamel frits. Serial No. 439,363; Mar. 18. Class 1.
Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 440,176; Mar. 18. Class 49.
Richards Chemical Works, The, Jersey City, N. J. Mothproofing compound. Serial Nos. 440,212–3; Mar. 18. Class 6.
Rite-Rite Mfg. Co., Chicago, Ill. Mechanical pencils and fountain pens. Serial No. 439,418; Mar. 18. Class 37.
Rolanda Modes, Inc., New York, N. Y. Women's and misses' dresses, coats, suits, etc. Serial No. 437,251; Mar. 18. Class 39.
Roper Bros., Inc., Winter Garden, Fla. Fresh citrus fruits. Serial No. 438,905; Mar. 18. Class 46.
Roth, Zoltan E., doing business as Z. E. Roth Paint Company and as Magnolia State Paint Products, Meridian, Miss. Paints, varnishes, lacquers, etc. Serial No. 439,523; Mar. 18. Class 16.
Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Clear and pigmented lacquers, lacquer enamels and baking enamels. Serial No. 439,830; Mar. 18. Class 16.
Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Aluminum mixing lacquers. Serial No. 439,831; Mar. 18. Class 16.
Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Clear and pigmented urea formaldehyde varnishes and baking enamels. Serial No. 439,832; Mar. 18. Class 16.
Salant & Salant, Inc., New York, N. Y. Shirts. Serial No. 436,552; Mar. 18. Class 39.
Sandler, A., Co., Boston, Mass. Shoes. Serial No. 439,623; Mar. 18. Class 39.
Scalp-X Company. (See Yancey, Ernest.)
Scherr, George, Company, Brooklyn, N. Y. Magnetic parallels and V blocks for chucks. Serial No. 431,499; Mar. 18. Class 23.
Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Gin and beverage containing gin. Serial No. 433,412; Mar. 18. Class 49.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Substances having chemical and physiological properties relatively similar to and equivalent to ephedrine, etc. Serial No. 439,838; Mar. 18. Class 6.
Sherwin-Williams Company, The, Cleveland, Ohio. Synthetic resins. Serial No. 439,669–70; Mar. 18. Class 1.
Smith, Wells Lamont, Corporation, Chicago, Ill. Work gloves. Serial No. 439,642; Mar. 18. Class 39.
Society of Cheunical Industry in Basle, Basel, Switzerland. Medicinal preparation. Serial No. 435,817; Mar. 18. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid petrolatum. Serial No. 440,216; Mar. 18. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid petrolatum. Serial Nos. 440,219–20; Mar. 18. Class 6.
Splash Company, The, Pittsburgh, Pa. Carbonated fruit juice beverage, and for concentrates, extracts, etc. Serial No. 439,030; Mar. 18. Class 45.
Squibb, E. R. & Sons, New York, N. Y. Vitaminic preparations. Serial No. 440,221; Mar. 18. Class 6.
Standard Insulation Company, East Rutherford, N. J. Coated or varnished paper. Serial No. 439,497; Mar. 18. Class 37.
Stationers' Guild of America, Philadelphia, Pa. Adding machine paper, address books, arch files, etc. Serial No. 438,407; Mar. 18. Class 37.
Strong, John E., Oklahoma City, Okla. Sandwich composed of meat, bread, special sauce, etc. Serial No. 423,621; Mar. 18. Class 46.
Tennessee Eastman Corporation, Kingsport, Tenn. Hardwood distillates. Serial No. 439,130; Mar. 18. Class 6.
Thomas, Thomas C., Wilkes-Barre, Pa. Fresh tomatoes. Serial No. 438,100; Mar. 18. Class 46.
Times Publishing Corporation, Beverly, Mass. Newspaper. Serial No. 438,781; Mar. 18. Class 38.
Topps Shoe Corporation, New York, N. Y. Shoes. Serial No. 437,325; Mar. 18. Class 39.
Traver Corporation, Chicago, Ill. Wrappers. Serial No. 428,774; Mar. 18. Class 2.
Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Co. Inc.)
Visible Leak Finder Co. (See Waldorf, John A.)
Wagner and Gatehouse, Johnstown, Pa. Preparation for the stimulation of the growth of hair. Serial No. 438,029; Mar. 18. Class 6.
Waldorf, John A., doing business as Visible Leak Finder Co., Los Angeles, Calif. Leak finder fluid. Serial No. 439,214; Mar. 18. Class 6.
Wilson Chemical Company, Inc., The, Tyrone, Pa. Salve for the treatment of cutaneous irritations, etc. Serial No. 439,679; Mar. 18. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Pyridoxine hydrochloride (synthetic crystalline vitamin B_6 hydrochloride) for the prevention and treatment of vitamin B_6 deficiency. Serial No. 439,787; Mar. 18. Class 6.
Wortendyke Manufacturing Co., Richmond, Va. Fillers, tablets, blank books, etc. Serial No. 436,751; Mar. 18. Class 37.
Wortendyke Manufacturing Co., Richmond, Va. Note books. Serial No. 438,292; Mar. 18. Class 37.
Wulchet Products, Inc., Dayton, Ohio. Mineral dairy cattle feed. Serial No. 434,587; Mar. 18. Class 46.
Yancey, Ernest, doing business as the Scalp-X Company, Cleveland, Ohio. Scalp salve or ointment. Serial No. 439,853; Mar. 18. Class 6.
Zausner & Company, New York, N. Y. Cheese. Serial No. 430,183; Mar. 18. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Advance Aluminum and Brass Company, Los Angeles, Calif. Pipe angle gauges. 385,901; Mar. 18. Class 26.
Aeroil Burner Company, Inc., West New York, N. J. Oil burning tanks and kettles. 385,861; Mar. 18; Serial No. 437,359; published Jan. 7, 1941. Class 34.
Albers Bros. Milling Co. (See MacVeagh, Franklin, & Company, assignor.)
Allegheny Ludlum Steel Corporation. (See Ludlum Steel Company.)
American Chain & Cable Company, Inc., New York, N. Y. Base metal chain. 385,883; Mar. 18; Serial No. 437,853; published Jan. 7, 1941. Class 13.
American-La France-Foamite Corporation. (See Erwin Manufacturing Company.)
American Manganese Bronze Company, Inc., Philadelphia, Pa., and New York, N. Y., to American Manganese Bronze Company, Holmesburg, Pa. Bulk-bronze and castings made from bronze. 144,160; renewed June 28, 1941.
American Steel and Wire Company of New Jersey, The, Hoboken, N. J., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Plain and galvanized woven-wire concrete-reinforcement. 141,843; renewed May 3, 1941.
Ames Baldwin Wyoming Co. (See Wyoming Shovel Works, assignor.)
Amity Leather Products Co., West Bend, Wis. Key cases. 385,784; Mar. 18; Serial No. 434,621; published Jan. 7, 1941. Class 3.
Anderson Box Company, Indianapolis, Ind. Spacers made of cardboard. 385,891; Mar. 18. Class 37.
Baker Paint & Varnish Co., doing business as Communipaw Paint Works, Jersey City, N. J. Paints. 385,750; Mar. 18; Serial No. 414,051; published Feb. 14, 1939. Class 16.
Bauer & Black, Chicago, Ill., assignor to Kendall Company, Boston, Mass., and Chicago, Ill. Liquid remedy for corns, callouses, and bunions, and footpowder. 140,747–8; renewed Mar. 29, 1941.
Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Fluid pressure brake chambers and parts thereof. 385,881; Mar. 18; Serial No. 437,710; published Jan. 7, 1941. Class 19.
Berger Manufacturing Company, The, Canton, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Metal filing-cases, lockers, and shelving. 140,327; renewed Mar. 15, 1941.
Bernat, Emile, & Sons Company, Jamaica Plain, Mass. Yarns. 385,882; Mar. 18; Serial No. 437,712; published Jan. 7, 1941. Class 43.
Bessire & Company, Indianapolis, Ind., and Louisville, Ky., to Bessire & Company, Inc., Indianapolis, Ind., Louisville, Ky., Columbus, Ohio, Atlanta, Ga., Memphis, Tenn., and Richmond, Va. Paper napkins, paper doilies, cakelaces, and paper circles. 137,946; renewed Dec. 14, 1940.
Betsy Ross Needlework Co. (See Rosenhouse, Samuel.)
Borden Milk Company, The. (See Dry Milk Company, The, assignor.)
Bowen Products Corporation, Auburn, N. Y., to Bowen Products Corporation, Ecorse, Mich. Oil-cups and grease-cups. 145,325; renewed Aug. 2, 1941.
Bownes, Frank, Company, Chelsea, Mass. Penetrating finish. 385,789; Mar. 18; Serial No. 434,865; published Oct. 22, 1940. Class 16.
Bradley, L. R., doing business as The Periseal Company, New York, N. Y. Paint oils and vehicles; paints; etc. 385,748; Mar. 18; Serial No. 408,047; published Oct. 18, 1938. Class 16.
Bragg, Paul C., doing business as Live Food Products Co., Burbank, Calif. Tablets for making soup. 385,869; Mar. 18; Serial No. 437,550; published Jan. 7, 1941. Class 46.
Bragg, Paul C., doing business as Live Food Products Co., Burbank, Calif. Chocolate flavored mixture containing the complete daily ration of vitamins, etc., for making food drinks. 385,870; Mar. 18; Serial No. 437,551; published Jan. 7, 1941. Class 46.
Brillo Manufacturing Company, New York, to Brillo Manufacturing Company, Brooklyn, N. Y. Soaps, cleaning, scouring, and polishing wads, pads, etc. 141,498–9; renewed Apr. 26, 1941.
Brillo Manufacturing Company, New York, to Brillo Manufacturing Company, Brooklyn, N. Y. Cleaning, scouring, and polishing wads, pads, etc. 142,947; renewed May 24, 1941.
Broadway Tire Company, New York, N. Y. Automobile tire casings and inner tubes therefor. 385,895; Mar. 18. Class 35.
Broadway Tire Company, New York, N. Y. Automobile tire casings and inner tubes therefor. 385,898; Mar. 18. Class 35.
Bubbl-Fom Distributors, Los Angeles, Calif. Perfumed essence used in the bath. 385,908; Mar. 18. Class 6.
Buckley & Cohen, Incorporated, New York, N. Y. Wool, alpaca, mohair, etc., fabrics. 385,796; Mar. 18; Serial No. 435,349; published Jan. 7, 1941. Class 42.
Burger, Harry S., Los Angeles, Calif. Printed matter. 385,780; Mar. 18; Serial No. 434,433; published Dec. 31, 1940. Class 38.
Business Publishers International Corporation, New York, N. Y. Periodical published monthly. 385,772; Mar. 18; Serial No. 431,644; published Dec. 31, 1940. Class 38.
Butereg Co., Inc., The Pampa, Tex., and Kansas City, Mo. Bread and basic premixed ingredients used in the production of bread. 385,822; Mar. 18; Serial No. 436,335; published Jan. 7, 1941. Class 46.
California Vineyards Co. (See Mulligan, Walter J.)
Candy & Company, Inc., Chicago, Ill. Floor polishing wax compound. 385,863; Mar. 18; Serial No. 437,433; published Jan. 7, 1941. Class 16.
Cartier, Inc., New York, N. Y. Jewelry, tableware, toilet and other silverware. 144,363; renewed July 5, 1941.
Cattaraugus Cutlery Company, Little Valley, N. Y. Carving sets and knives. 385,884; Mar. 18; Serial No. 438,117; published Jan. 7, 1941. Class 23.
Central Hardware Co., St. Louis, Mo. Lumber. 385,807; Mar. 18; Serial No. 435,864; published Dec. 31, 1940. Class 12.
Certain-Teed Products Corporation. (See Vulcanite Roofing Company, The, assignor.)
Chartre Manufacturing & Importing Co. Inc. (See Gabilla, Henriette, assignor.)
Chase Bag Company, New York, N. Y. Bags and sacks. 385,753; Mar. 18; Serial No. 419,950; published Jan. 7, 1941. Class 2.
Chicago Manufacturing and Distributing Company, Chicago, Ill. Foundry equipment. 385,835; Mar. 18; Serial No. 436,835; published Jan. 7, 1941. Class 23.
Chipman Knitting Mills, Easton, Pa. Hosiery for men, women and children. 144,720; renewed July 19, 1941.
Circo Products Company, Cleveland, Ohio. Electrically heated solvent vaporizing apparatuses. 385,823; Mar. 18; Serial No. 436,421; published Jan. 7, 1941. Class 21.
Cleveland Quarries Company, The, Cleveland, Ohio. Abrasive stone. 385,804; Mar. 18; Serial No. 435,783; published Jan. 7, 1941. Class 4.
Clover Leaf Paint & Varnish Corporation. (See Mayer & Lowenstein.)
Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. 385,824; Mar. 18; Serial No. 436,499; published Dec. 31, 1940. Class 28.
Collingbourne Mills, Inc., Elgin, Ill. Darning cotton and mending thread. 385,897; Mar. 18. Class 43.
Colonial Bead Co., Inc., New York, N. Y. Necklaces, earrings, brooches, etc. 385,820–1; Mar. 18; Serial Nos. 436,297–8; published Dec. 31, 1940. Class 28.
Columnist Publishing Company, The. (See Lingle, Harvey S.)
Commander-Larabee Milling Company. (See Hannibal Milling Co., assignor.)
Communipaw Paint Works. (See Baker Paint & Varnish Co.)
Contas, J. S., Bros., Inc., Boston, Mass. Canned vegetables. 385,805; Mar. 18; Serial No. 435,787; published Jan. 7, 1941. Class 46.
Corning Glass Works, Corning, N. Y. Table glassware. 385,856; Mar. 18; Serial No. 437,240; published Jan. 7, 1941. Class 33.
Corson, G. & W. H., Inc., Plymouth Meeting, Pa. Construction lime. 385,860; Mar. 18; Serial No. 437,336; published Jan. 7, 1941. Class 12.
Dilling & Company, Indianapolis, Ind. Candy. 144,745; renewed July 19, 1941.
Dilts Machine Works, Inc., Fulton, N. Y. Paper stock preparation machines. 385,761; Mar. 18; Serial No. 425,044; published Jan. 7, 1941. Class 23.
Ditto, Incorporated, Chicago, Ill. Paper. 385,808; Mar. 18; Serial No. 435,897; published Jan. 7, 1941. Class 37.
Doering, Arthur R., Chicago, Ill. Electrical measuring instruments—namely, voltmeters, ammeters, universal volt-ammeters. 385,841; Mar. 18; Serial No. 436,962; published Jan. 7, 1941. Class 26.
Dowd, Raymond E., doing business as Trumatic Devices, Chicago, Ill. Aeroplane and automobile accessories. 385,865; Mar. 18; Serial No. 437,467; published Jan. 7, 1941. Class 19.
Dry Milk Company, The, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Casein food product. 145,077; renewed July 26, 1941.
Electric Tachometer Corporation, The, Philadelphia, Pa. Electric tachometers and electric meters. 144,565; renewed July 12, 1941.
Ely & Walker Dry Goods Company, St. Louis, Mo. Articles of clothing. 143,329; renewed May 31, 1941.
Emery and Redmond, New York, N. Y. Ladies' and gentlemen's fitted cases. 385,762; Mar. 18; Serial No. 425,087; published Jan. 7, 1941. Class 3.
Emery and Redmond, New York, N. Y. Wardrobe cases, ladies' and gentlemen's traveling bags, ladies' handbags, portfolios, valises, suit cases, etc. 385,763; Mar. 18; Serial No. 425,088; published Jan. 7, 1941. Class 3.

Erwin Manufacturing Company, The, Milwaukee, Wis., to American-La France-Foamite Corporation, Elmira, N. Y., successor. Fire-extinguishers. 139,979; renewed Mar. 1, 1941.
Fall River Curtain Co., Inc., Fall River, Mass., and New York, N. Y. Curtains and draperies. 385,836; Mar. 18; Serial No. 436,841; published Jan. 7, 1941. Class 42.
Fleischmann Distilling Corporation, The, New York, N. Y. Whiskey. 385,857; Mar. 18; Serial No. 437,277; published Dec. 31, 1940. Class 49.
Fleisher Yarns, Inc., New York, N. Y. Yarns. 385,846; Mar. 18; Serial No. 437,031; published Dec. 31, 1940. Class 43.
Freeman, Samuel F., doing business as Pickwick Yarns, Stamford, Conn. Cotton and wool yarns. 385,827; Mar. 18; Serial No. 436,568; published Dec. 17, 1940. Class 43.
French Battery Carbon Co., Madison, Wis., by change of name to Ray-O-Vac Company. Dry-cell batteries and flashlight-batteries. 140,598–7; renewed Mar. 22, 1941.
Friend Brothers Inc., Melrose, Mass. Bakery products. 385,816; Mar. 18; Serial No. 436,172; published Jan. 7, 1941. Class 46.
Gabilla, Henriette, Paris, France, assignor, by mesne assignments, to Chartre Manufacturing & Importing Co. Inc., New York, N. Y. Soaps. 145,095–6; renewed June 26, 1941.
Gamble Stores Incorporated, Minneapolis, Minn. Automobile tires and tubes. 385,888; Mar. 18; Serial No. 438,332; published Jan. 7, 1941. Class 35.
Gemex Company, Newark, N. J. Watch bracelets, watch straps, watch attachments, etc. 385,793; Mar. 18; Serial No. 435,055; published Nov. 26, 1940. Class 28.
General Cable Corporation, New York, N. Y. Insulated electrical wires and cables. 385,758; Mar. 18; Serial No. 424,913; published Jan. 7, 1941. Class 21.
Gennet, Nathan, doing business as Sleepmaster Products Company, Newark, N. J. Sheets, pillow cases, and bed spreads, etc. 385,770; Mar. 18; Serial No. 430,600; published Jan. 7, 1941. Class 42.
Gilbert Paper Company. (See Graham Paper Company, assignor.)
Goodrich, B. F., Company, The, New York, N. Y. Hose made of rubber reinforced with fabric. 139,306; renewed Feb. 1, 1941.
Goodrich, B. F., Company, The, New York, N. Y. Hose and belting. 139,307; renewed Feb. 1, 1941.
Goodrich, B. F., Company, The, New York, N. Y. Hose and pump-valves. 139,308; renewed Feb. 1, 1941.
Goodrich, B. F., Company, The, New York, N. Y. Belts. 139,309; renewed Feb. 1, 1941.
Goodrich, B. F., Company, The, New York, N. Y. Elevator-belts made of fabric combined with rubber. 140,811; renewed Mar. 29, 1941.
Goodrich, B. F., Company, The, New York, N. Y. Belts made of fabric combined with rubber. 140,812; renewed Mar. 29, 1941.
Graham Paper Company, St. Louis, Mo., as assignee of Gilbert Paper Company, Menasha, Wis., assignor to Graham Paper Company, St. Louis, Mo. Ledger and writing paper. 145,099; renewed July 26, 1941.
Green shoe Manufacturing Co., The, Boston, Mass. Shoes. 385,803; Mar. 18; Serial No. 435,681; published Jan. 7, 1941. Class 39.
Guerin Mills Inc., Woonsocket, R. I. Worsted piece goods. 385,910; Mar. 18. Class 42.
Hannibal Milling Co., Hannibal, Mo., assignor, by mesne assignments, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat-flour. 145,376; renewed Aug. 2, 1941.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Bonding materials. 385,788; Mar. 18; Serial No. 434,830; published Nov. 5, 1940. Class 12.
Hecker Products Corporation, New York, N. Y. Preparation for cleaning and renewing leather and leather goods. 385,866; Mar. 18; Serial No. 437,471; published Jan. 7, 1941. Class 4.
Helms Bakeries, Los Angeles, Calif. Bread. 385,838; Mar. 18; Serial No. 436,891; published Jan. 7, 1941. Class 46.
Higley Chemical Company, Dubuque, Iowa. Liquid coating composition. 385,825; Mar. 18; Serial No. 436,513; published Jan. 7, 1941. Class 16.
Hill, C. V., Co. Inc., Trenton, N. J. Refrigerated cases and stands. 385,890; Mar. 18. Class 31.
Himmer, Vitalis, Jr., New York, N. Y. Wines. 385,760; Mar. 18; Serial No. 424,981; published July 9, 1940. Class 47.
Holmes Eureka Lumber Company, Eureka and San Francisco, Calif. Periodical publication. 385,818; Mar. 18; Serial No. 436,267; published Dec. 24, 1940. Class 38.
Hudnut, Richard, New York, N. Y. Pamphlets. 385,779; Mar. 18; Serial No. 433,824; published Dec. 24, 1940. Class 38.
Ideal Coated Paper Company, assignor to McLaurin-Jones Co., Brookfield, Mass. Gummed paper. 145,118; renewed July 26, 1941.
Ideal Fastener Corporation, New York, N. Y. Slide fasteners. 385,902; Mar. 18. Class 13.
Illinois Baking Corporation, Chicago, Ill. Ice cream cones. 385,899; Mar. 18. Class 46.
Industrial Tape Corporation, New Brunswick, N. J. Transparent adhesive tapes. 385,834; Mar. 18; Serial No. 436,808; published Jan. 7, 1941. Class 5.
International Industries Inc., Ann Arbor, Mich. Duplicating machines and parts thereof. 385,757; Mar. 18; Serial No. 424,809; published Jan. 7, 1941. Class 23.
International Paint Company, Inc., New York, N. Y. Ready-mixed paints, varnishes, and paint enamels. 385,909; Mar. 18. Class 16.
International Silver Company, Meriden, Conn. Silverplated flat-ware. 385,874; Mar. 18; Serial No. 437,623; published Dec. 24, 1940. Class 28.
International Silver Company, Meriden and Waterbury, to International Silver Company, Meriden, Conn. Silverplated flat-ware—namely, forks, spoons, ladles, and knives. 144,809; renewed July 19, 1941.
International Tailoring Company of N. Y., The, New York, N. Y. Suits, overcoats, windbreakers, etc. 385,830; Mar. 18; Serial No. 436,670; published Jan. 7, 1941. Class 39.
Johnson, Stephens and Shinkle Shoe Company, St Louis, Mo. Shoes. 385,800; Mar. 18; Serial No. 435,620; published Jan. 7, 1941. Class 39.
Joseph, J., Inc., New York, N. Y. Dressed fur skins. 385,828; Mar. 18; Serial No. 436,571; published Jan. 7, 1941. Class 1.
Kalmbach Publishing Co., Milwaukee, Wis. Periodical. 385,847; Mar. 18; Serial No. 437,068; published Jan. 7, 1941. Class 38.
Kensbey & Mattison Company, Ambler, Pa. Asbestos-cement pipes, couplings, fittings, etc. 385,759; Mar. 18; Serial No. 424,963; published Dec. 24, 1940. Class 12.
Kellaway-Ide Company, Los Angeles, Calif. Printed books. 385,801; Mar. 18; Serial No. 435,621; published Dec. 24, 1940. Class 38.
Kelly Read & Co., Inc., Rochester, N. Y. Posters. 385,832; Mar. 18; Serial No. 436,694; published Jan. 7, 1941. Class 38.
Kemp, Ralph A., Indianapolis, Ind. Comic drawing published in newspapers. 385,774. Mar. 18; Serial No. 432,540; published Dec. 31, 1940. Class 38.
Kendall Company, The. (See Bauer & Black, assignor.)
Kervan Company, to Jack R. Kervan, doing business as The Kervan Company, New York, N. Y., successor. Florist dispensing supplies. 144,820; renewed July 19, 1941.
Keuffel & Esser Company, Hoboken, N. J. Sketching-paper. 144,822; renewed July 19, 1941.
King Features Syndicate, Inc. (See Star Company.)
King's Banner Co., Inc., New York, N. Y. Glazed fruits and candies, and chocolate candies. 385,756; Mar. 18; Serial No. 423,220; published Nov. 19, 1940. Class 46.
Kofsky Bros., Inc., New York, N. Y. Fur skins in the piece. 385,833; Mar. 18; Serial No. 436,728; published Jan. 7, 1941. Class 1.
Koppitz-Melchers, Inc., Detroit, Mich. Beer. 385,755; Mar. 18; Serial No. 421,243; published Jan. 7, 1941. Class 48.
La Belle Lingerie, Inc. (See Nemark, Aaron, Inc.)
Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory tiles and bricks for furnaces. 142,287; renewed May 10, 1941.
Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory cement for high-temperature uses. 143,067; renewed May 24, 1941.
Laclede-Christy Clay Products Company, St. Louis, Mo. Fire-brick and fire-tile. 144,827; renewed July 19, 1941.
Larus & Brother Company, Richmond, Va. Smoking tobacco. 385,852; Mar. 18; Serial No. 437,175; published Jan. 7, 1941. Class 17.
Liberty Electric Supply Company, Liberty, N. Y. Electric refrigerators. 385,886; Mar. 18; Serial No. 438,273; published Jan. 7, 1941. **Class 31.**
Liggett & Myers Tobacco Company, New York, N. Y. Leaf-tobacco. 139,568; renewed Feb. 8, 1941.
Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco and cigarettes. 142,670; renewed May 17, 1941.
Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco and cigarettes. 142,676; renewed May 17, 1941.
Liggett & Myers Tobacco Company, New York, N. Y. Leaf-tobacco. 144,240; renewed June 28, 1941.
Liggett & Myers Tobacco Company, New York, N. Y. Leaf-tobacco. 145,401; renewed Aug. 2, 1941.
Light Conditioning Company of America, Inc., New York, N. Y. Light transmitting and diffusing electric lamp housings, mantles, and shades, and light transmitting and diffusing panels. 385,794; Mar. 18; Serial No. 435,059; published Jan. 7, 1941. Class 34.
Lincoln Engineering Company, St. Louis, Mo. Utility hand cart. 385,817; Mar. 18; Serial No. 436,220; published Jan. 7, 1941. Class 19.
Lincoln Wine Company, Baltimore, Md. Wines. 385,855; Mar. 18; Serial No. 437,206; published Jan. 7, 1941. Class 47.
Lindsay Ripe Olive Company, Lindsay, Calif. Green olives. 385,896; Mar. 18. Class 46.
Linen Thread Company, The, assignor, by mesne assignments, to The Linen Thread Co., Inc., New York, N. Y. Linen thread. 144,832; renewed July 19, 1941.

Lingle, Harvey S., doing business as The Columnist Publishing Company, Lancaster, Pa. Publication. 385,814; Mar. 18; Serial No. 436,130; published Dec. 31, 1940. Class 38.
Lisson-Melen Co., Lynn, Mass. Spring units or assemblies. 385,867; Mar. 18; Serial No. 437,474; published Jan. 7, 1941. Class 32.
Live Food Products Co. (See Bragg, Paul C.)
London & Company, Inc., Elizabeth, N. J. Whiskey. 385,829; Mar. 18; Serial No. 436,654; published Dec. 3, 1940. Class 49.
Ludlum Steel Company, Watervliet, N. Y., to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., by merger and change of name. Alloy steel, chisel-steel, and alloy chisel-steel. 144,194; renewed June 28, 1941.
MacVeagh, Franklin, & Company, Chicago, Ill., assignor to Albers Bros. Milling Co., Seattle, Wash. Wheat breakfast food and food ingredient. 145,137; renewed July 26, 1941.
Magazine Repeating Razor Company, New York, N. Y. Razors and razor blades. 385,768; Mar. 18; Serial No. 429,776; published May 14, 1940. Class 23.
Marcus, Claire B., assignor to Tabby, Ltd., New York, N. Y. Jewelry, and fasteners for attachment to jewelry. 385,787; Mar. 18; Serial No. 434,801; published Dec. 31, 1940. Class 28.
Marfield, Inc. (See Newspaper PM, Inc., The.)
Marine Optical Mfg. Co., Boston, Mass. Optical frames, spectacles, optical lenses, sun glasses, goggles, and parts thereof. 385,872; Jan. 7; Serial No. 437,597; published Jan. 7, 1941. Class 26.
Marine Studios, Inc., St. Augustine, Fla. Magazines and periodicals. 385,797; Mar. 18; Serial No. 435,394; published Dec. 24, 1940. Class 38.
Master Rule Mfg. Co. Inc., New York, N. Y. Rules, folding rules, and extension rules. 385,907; Mar. 18. Class 26.
Mayer & Lowenstein, New York, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y., successor. Varnishes, japans, oil finish and bronzing liquid. 19,185; re-renewed Mar. 17, 1941.
McDougall-Butler Co., Inc., Buffalo, N. Y. Finishes—namely, clear varnish and all colors of enamel made from that varnish. 385,904; Mar. 18. Class 16.
McLaurin-Jones Co. (See Ideal Coated Paper Company, assignor.)
Merrimack Manufacturing Company, Lowell, Mass. Cotton pile fabrics. 385,875; Mar. 18; Serial No. 437,627; published Jan. 7, 1941. Class 42.
Metallizing Company of America, Inc., Chicago, Ill. Ferrous and non-ferrous metal rods and wire for metal spraying. 385,906; Mar. 18. Class 14.
Miles, Dr., Medical Company, The, Elkhart, Ind., by changes of name to Miles Laboratories, Inc. Remedy for nervous diseases. 19,975; re-renewed Aug. 4, 1941.
Millen, James Manufacturing Company, Inc., Malden, Mass. Radio communication receivers, transmitters, and component parts thereof, excluding batteries. 385,754; Mar. 18; Serial No. 421,146; published Dec. 31, 1940. Class 21.
Milwaukee Glove Company, Milwaukee, Wis. Leather and cloth gloves and leather and cloth mittens. 145,153; renewed July 26, 1941.
Mississippi State Hospital Association, Inc., Vicksburg, Miss. Publication. 385,837; Mar. 18; Serial No. 436,853; published Dec. 31, 1940. Class 38.
Monarch Marking System Company, The, Dayton, Ohio. Machines for applying price marking indicia to merchandise. 385,843–5; Mar. 18; Serial Nos. 437,005–7; published Jan. 7, 1941. Class 23.
Morning Milk Company, Salt Lake City, Utah. Canned evaporated skim milk. 385,767; Mar. 18; Serial No. 428,343; published June 18, 1940. Class 46.
Morris, Emory S., Atlanta, Ga. Insecticides. 139,530; renewed Feb. 8, 1941.
Mott, Frank H. (See Rich Tool Company, assignor.)
Mulligan, Walter J., doing business as California Vineyards Co., San Francisco, Calif. Wines. 385,871; Mar. 18; Serial No. 437,570; published Jan. 7, 1941. Class 47.
National Laboratories. (See Van Nest, Lisle C.)
National Refining Company, The, Cleveland, Ohio. Illuminating oil. 19,321; re-renewed Apr. 14, 1941.
National Refining Company, The, Cleveland, Ohio. Lubricating oil. 19,323; re-renewed Apr. 14, 1941.
National Refining Company, The, Cleveland, Ohio. Stove gasoline. 19,324; re-renewed Apr. 14, 1941.
Neveo Scoreboard Company, Greenville, Ill. Combination electric timer and scoreboard for basketball and other games. 385,771; Mar. 18; Serial No. 431,071; published Jan. 7, 1941. Class 21.
Newmark, Aaron, Inc., to La Belle Lingerie, Inc., New York, N. Y., successor. Muslin and silk underwear. 141,065; renewed Apr. 12, 1941.
Newspaper PM, Inc., The, Brooklyn, assignor to Marfield, Inc., New York, N. Y. Section of a daily and Sunday newspaper. 385,782; Mar. 18; Serial No. 434,610; published Dec. 24, 1940. Class 38.
Nivada Watch Corporation, New York, N. Y. Watches. 385,893; Mar. 18. Class 27.
North & Judd Manufacturing Company, New Britain, Conn. Trimmings and ornaments for wearing apparel. 385,764; Mar. 18; Serial No. 425,120; published Jan. 7, 1941. Class 40.
Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flatware. 385,842; Mar. 18; Serial No. 436,977; published Dec. 24, 1940. Class 28.
Ortega, E. C., Co., Los Angeles, Calif. Non-alcoholic, maltless tomato and green chili juice beverage. 385,849; Mar. 18; Serial No. 437,102; published Jan. 7, 1941. Class 45.
Outdoor Publishing Corporation, Mays Landing, N. J. Periodical. 385,792; Mar. 18; Serial No. 434,995; published Dec. 31, 1940. Class 38.
Page Belting Company, Concord, N. H. Rawhide lace-leather. 141,632; renewed Apr. 26, 1941.
Page Belting Company, Concord, N. H. Leather belting. 142,687–90; renewed May 17, 1941.
Page Belting Company, Concord, N. H. Rawhide lace-leather. 142,691; renewed May 17, 1941.
Page Belting Company, Concord, N. H. Leather belting. 142,692; renewed May 17, 1941.
Page Belting Company, Concord, N. H. Rawhide lace-leather. 142,693; renewed May 17, 1941.
Page Belting Company, Concord, N. H. Leather belting. 142,694; renewed May 17, 1941.
Page Belting Company, Concord, N. H. Rawhide lace-leather. 142,695; renewed May 17, 1941.
Page Belting Company, Concord, N. H. Leather fillet. 143,706; renewed June 7, 1941.
Papik Products Company, St. Louis, Mo. Cleansers for fabrics, woodwork, and enamels, etc. 385,773; Mar. 18; Serial No. 431,873; published Dec. 24, 1940. Class 4.
Paraffine Companies, Inc., The, San Francisco, Calif. Floor-covering. 144,023; renewed June 21, 1941.
Parents' Institute, Inc, The, New York, N. Y. Periodical publication. 385,848; Mar. 18; Serial No. 437,072; published Jan. 7, 1941. Class 38.
Periseal Company, The. (See Bradley, L. R.)
Pickwick Yarns. (See Freeman, Samuel F.)
Pillsbury Flour Mills Company, Minneapolis, Minn. Sterling-silver flatware. 385,850; Mar. 18; Serial No. 437,103; published Jan. 7, 1941. Class 28.
Portland Cordage Company, The, Portland, Oreg. Manila rope. 142,709; renewed May 17, 1941.
Portland Cordage Company, The, Portland, Oreg. Manila rope. 142,713; renewed May 17, 1941.
Procter & Gamble Company, The, Cincinnati, Ohio. Washing-powder. 144,895; renewed July 19, 1941.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 145,440; renewed Aug. 2, 1941.
Puritan Rubber Manufacturing Company, Trenton, N. J. Sheet rubber flooring and sheet rubber wall covering. 385,811; Mar. 18; Serial No. 436,063; published Jan. 7, 1941. Class 12.
Quaker Stretcher Company, Kenosha, Wis. Curtain stretchers. 385,900; Mar. 18. Class 50.
Quaker Stretcher Company, Kenosha, Wis. Curtain stretchers. 385,903; Mar. 18. Class 50.
RCA Manufacturing Company, Inc., Camden, N. J. Phonographs, parts thereof and accessories thereto, phonograph record players, etc. 385,751; Mar. 18; Serial No. 414,368; published Jan. 7, 1941. Class 36.
Radbill Oil Company, doing business as Thrift O Lene Oil Company, Philadelphia, Pa. Motor lubricating oils. 385,776; Mar. 18; Serial No. 433,547; published Dec. 24, 1940. Class 15.
Rashkoff, Benjamin, doing business as B. Rashkoff, New York, N. Y. Thread. 385,826; Mar. 18; Serial No. 436,524; published Dec. 24, 1940. Class 43.
Ray-O-Vac Company. (See French Battery & Carbon Co.)
Reciprocal Trade Corporation, The, New York, N. Y. Bicycles. 385,809; Mar. 18; Serial No. 435,953; published Jan. 7, 1941. Class 19.
Republic Steel Corporation. (See Berger Manufacturing Company, assignor.)
Rhoads, J. E., & Sons, Philadelphia, Pa., and Wilmington, Del., to J. E. Rhoads & Sons, Philadelphia, Pa. Leather belting. 145,187; renewed July 26, 1941.
Rice-Stix Dry Goods Company, St. Louis, Mo. Robes. 385,798; Mar. 18; Serial No. 435,474; published Jan. 7, 1941. Class 39.
Rich Tool Company, Chicago, Ill., assignor, by mesne assignments, to F. H. Mott, Birmingham, Mich. Rivet-sets. 142,741; renewed May 17, 1941.
Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y. Piece goods. 385,876–8; Mar. 18; Serial Nos. 437,630–2; published Jan. 7, 1941. Class 42.
Roach & Musser Co., Muscatine, Iowa. Factory-fitted window units. 385,831; Mar. 18. Serial No. 436,679; published Jan. 7, 1941. Class 12.
Roddenbery, W. B., Co., Cairo, Ga. Table syrup and peanut butter. 385,785; Mar. 18; Serial No. 434,669; published Jan. 7, 1941. Class 46.
Rosenhouse, Samuel, doing business as Betsy Ross Needlework Co., New York, N. Y. Fabrics having designs thereon stamped for embroidery or art needlework. 385,851; Mar. 18; Serial No. 437,110; published Jan. 7, 1941. Class 40.
Ross-Beck Co., Kansas City, Mo. Jewelry. 385,752; Mar. 18; Serial No. 417,184; published Dec. 24, 1940. Class 28.
Royal Blue Stores, Inc., Chicago, Ill. Canned whole red beets, cut red beets, lima beans, etc. 385,749; Mar. 18; Serial No. 413,317; published Jan. 7, 1941. Class 46.

Rubber Associates, Inc., New York, N. Y. Asphaltic composition. 385,791; Mar. 18; Serial No. 434,949; published Jan. 7, 1941. Class 12.

Russell, Lillian, Kew Gardens, Long Island, N. Y. Women's dresses, coats, hosiery, etc. 385,769; Mar. 18; Serial No. 430,361; published Jan. 7, 1941. Class 39.

Sanders, Julius, Brooklyn, N. Y. Game. 385,747; Mar. 18; Serial No. 401,353; published Feb. 14, 1939. Class 22.

Sapiratein, Jacob, Cleveland, Ohio. Greeting cards. 385,778; Mar. 18; Serial No. 433,760; published Dec. 24, 1940. Class 38.

Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned fruits and canned vegetables, canned vegetable juices, etc. 385,802; Mar. 18; Serial No. 435,633; published Jan. 7, 1941. Class 46.

Schutter Candy Company, Chicago, Ill. Candy. 385,790; Mar. 18; Serial No. 434,886; published Jan. 7, 1941. Class 46.

Schwitzer-Cummins Company, Indianapolis, Ind. Water pump seals. 385,894; Mar. 18. Class 35.

Scott Paper Company, Chester, Pa. Paper towels. 385,892; Mar. 18. Class 37.

Shapiro, J., & Sons, Augusta, Ga. Ham, bacon, sausage, bologna style sausage, etc. 385,777; Mar. 18; Serial No. 430,633; published Jan. 7, 1941. Class 46.

Singer, Louis, New York, N. Y. Toilet preparations. 142,132; renewed May 3, 1941.

Skour-Nu, Inc., New York, N. Y. Cleansing preparation for removing dog and cat stains and odors from carpets, rugs and textiles. 385,864; Mar. 18; Serial No. 437,456; published Jan. 7, 1941. Class 4.

Sleepmaster Products Company. (See Gennet, Nathan.)

Slocomb, J. T., Co., Providence, R. I. Micrometer-calipers. 145,460; renewed Aug. 2, 1941.

Smith-Frank Packing Co., Sacramento, Calif., assignor, by mesne assignments, to Frank M. Wilson Company, San Francisco, Calif. Canned fruits. 144,937; renewed July 19, 1941.

Standard Milling Company, New York, N. Y. Wheat flour. 385,781; Mar. 18; Serial No. 434,463; published Jan. 7, 1941. Class 46.

Star Company to King Features Syndicate, Inc., New York, N. Y., successor. Comic drawings or pictures. 140,222; renewed Mar. 8, 1941.

Star Novelty Jewelry Co., Inc., Chicago, Ill. Jewelled clips, pins, bracelets, etc. 385,810; Mar. 18; Serial No. 436,040; published Dec. 10, 1940. Class 28.

Stephano Brothers, Philadelphia, Pa. Smoking tobacco. 385,853–4; Mar. 18; Serial Nos. 437,182–3; published Jan. 7, 1941. Class 17.

Sterniolo, Joseph, Philadelphia, Pa. Spaghetti sauce. 385,815; Mar. 18; Serial No. 436,149; published Jan. 7, 1941. Class 46.

Stowe-Woodward, Inc., Newton Upper Falls, Mass. Marking bands for paper machines. 385,889; Mar. 18. Class 23.

Sucrest Corporation, New York, N. Y. Refined sugar. 385,795; Mar. 18; Serial No. 435,222; published Jan. 7, 1941. Class 46.

Sunnyvale Packing Co. (See Schuckl & Co., Inc.)

Sunset Oil Company, Los Angeles, Calif. Gasoline, motor oils, lubricating oils and greases, kerosene, fuel oils, Diesel oil, and stove oil. 385,812; Mar. 18; Serial No. 436,100; published Dec. 31, 1940. Class 15.

Sun-Y-South Concentrates Co., Macon, Ga. Carbonated grapefruit beverage and concentrated grapefruit juice. 385,765; Mar. 18; Serial No. 425,372; published Jan. 7, 1941. Class 45.

Supreme Beverage Co., Chicago, Ill. Maltless, carbonated beverages. 385,786; Mar. 18; Serial No. 434,678; published Jan. 7, 1941. Class 45.

Tabby, Ltd. (See Marcus, Claire B.)

Tauber's Bookbindery, Inc., New York, N. Y. Loose-leaf binders. 385,905; Mar. 18. Class 37.

Tennison Brothers Incorporated, Memphis, Tenn., and Texarkana, Ark. Metallic roof troughs. 385,766; Mar. 18; Serial No. 427,179; published Dec. 31, 1940. Class 12.

Textile Thread Company, Watertown, Mass. Sewing thread. 385,799; Mar. 18; Serial No. 435,484; published Dec. 31, 1940. Class 43.

Thrift O Lene Oil Company. (See Radbill Oil Company.)

Tiny Beverages, Incorporated, Richmond, Va. Beverage sold as soft drink, and syrups for making same. 385,858; Mar. 18; Serial No. 437,291; published Dec. 31, 1940. Class 45.

Trees, C. E., & Co., Inc., Indianapolis, Ind. Beverage, syrup, and extract for making the same. 385,862; Mar. 18; Serial No. 437,423; published Dec. 31, 1940. Class 45.

Tribune Company, Chicago, Ill. Newspaper column. 385,783; Mar. 18; Serial No. 434,615; published Jan. 7, 1941. Class 38.

Trumatic Devices. (See Dowd, Raymond E.)

Turlin Company, The, Inglewood, Calif. Sashes, weather stripping, pulley styles, etc. 385,819; Mar. 18; Serial No. 436,291; published Dec. 24, 1940. Class 12.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns, threads, floss useful for art-needlework. 145,194; renewed July 26, 1941.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Instruction-books and similar publications. 145,196; renewed July 26, 1941.

United Elastic Corporation, Easthampton, Mass. Covered rubber thread. 385,879; Mar. 18; Serial No. 437,704; published Jan. 7, 1941. Class 43.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 385,887; Mar. 18; Serial No. 438,289; published Jan. 7, 1941. Class 22.

United Walnut Growers of California, Santa Ana, Calif. Walnuts. 385,840; Mar. 18; Serial No. 436,951; published Jan. 7, 1941. Class 46.

Universal Atlas Cement Company, New York, N. Y. Oil well cement. 385,873; Mar. 18; Serial No. 437,606; published Dec. 31, 1940. Class 12.

Van Nest, Lucile C., doing business as National Laboratories, Toledo, Ohio. Liquid cleaning preparation for cleaning surfaces such as floors, linoleum, leather, etc. 385,868; Mar. 18; Serial No. 437,540; published Jan. 7, 1941. Class 4.

Vulcanite Roofing Company, The, Wilmington, Del., and Buffalo, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y. Shingles, roofing-tile, roofing slabs, etc. 143,764; renewed June 7, 1941.

Warner Brothers Company, The, Bridgeport, Conn. Brassières, bandeaux, camisoles, and corset-covers. 141,011; renewed Mar. 29, 1941.

Warner Brothers Company, The, Bridgeport, Conn. Girdles. 385,839; Mar. 18; Serial No. 436,914; published Jan. 7, 1941. Class 39.

Weco Products. (See Western Bottle Manufacturing Company.)

Weekly Publications, Inc., New York, N. Y. Magazine. 385,859; Mar. 18; Serial No. 437,328; published Dec. 31, 1940. Class 38.

Weinreich, Sol. E., doing business as Weinreich Brothers Co., New York, N. Y. Pearls and semiprecious stones. 385,806; Mar. 18; Serial No. 435,821; published Dec. 24, 1940. Class 28.

Western Bottle Manufacturing Company, to Weco Products Company, Chicago, Ill., by change of name. Tooth, hair, cloth, hat, etc., brushes. 144,295; renewed June 28, 1941.

Westwood Pharmacal Corporation, Buffalo, N. Y. Detergent preparation for use as a skin cleanser. 385,885; Mar. 18; Serial No. 438,166; published Jan. 7, 1941. Class 4.

Williams, J. B. Company, The, Glastonbury, Conn. Shaving cream, powder and stick. 144,976; renewed July 19, 1941.

Williams, J. B., Company, The, Glastonbury, Conn. Soaps. 385,880; Mar. 18; Serial No. 437,708; published Jan. 7, 1941. Class 4.

Wilson, Frank M. (See Smith-Frank Packing Co., assignor.)

Wolfenden, Harry C., doing business as Wolfenden & Sons, Attleboro, Mass. Yarn. 385,813; Mar. 18; Serial No. 436,107; published Dec. 17, 1940. Class 43.

Wyoming Shovel Works, The, Wyoming, Pa., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Mattocks and picks. 139,671; renewed Feb. 8, 1941.

Zenith Radio Corporation, Chicago, Ill. Sound records and blanks therefor. 385,775; Mar. 18; Serial No. 433,295; published Jan. 7, 1941. Class 36.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Rawhide lace-leather. Page Belting Company. 141,632; renewed Apr. 26, 1941.

Rawhide lace leather. Page Belting Company. 142,691; renewed May 17, 1941.

Rawhide lace leather. Page Belting Company. 142,693; renewed May 17, 1941.

Rawhide lace leather. Page Belting Company. 142,695; renewed May 17, 1941.

Skins, Fur. J. Joseph, Inc. 385,828; Mar. 18; Serial No. 436,371; published Jan. 7, 1941.

Skins, Fur. Kofsky Bros., Inc. 385,833; Mar. 18; Serial No. 436,728; published Jan. 7, 1941.

CLASS 2

Bags and sacks. Chase Bag Company. 385,753; Mar. 18; Serial No. 419,950; published Jan. 7, 1941.

CLASS 3

Cases, bags, handbags, etc. Emery and Redmond. 385,763; Mar. 18; Serial No. 425,088; published Jan. 7, 1941.

Cases, Fitted. Emery and Redmond. 385,762; Mar. 18; Serial No. 425,087; published Jan. 7, 1941.

Cases, Key. Amity Leather Products Co. 385,784; Mar. 18; Serial No. 434,621; published Jan. 7, 1941.

CLASS 4

Abrasive stone. Cleveland Quarries Company. 385,804; Mar. 18; Serial No. 435,783; published Jan. 7, 1941.

Cleaning preparation, Liquid. L. C. Van Nest. 385,868; Mar. 18; Serial No. 437,540; published Jan. 7, 1941.

Cleaning, scouring, and polishing wads, pads, etc. Brillo Manufacturing Company. 142,947; renewed May 24, 1941.

Cleansers for fabrics, woodwork, and enamels, etc. Papik Products Company. 385,773; Mar. 18; Serial No. 431,873; published Dec. 24, 1940.

Cleansing preparation. Skour-Nu, Inc. 385,864; Mar. 18; Serial No. 437,456; published Jan. 7, 1941.

Detergent preparation for use as a skin cleanser. Westwood Pharmacal Corporation. 385,885; Mar. 18; Serial No. 438,166; published Jan. 7, 1941.

Preparation for cleaning and renewing leather and leather goods. Hecker Products Corporation. 385,866; Mar. 18; Serial No. 437,471; published Jan. 7, 1941.

Shaving cream, powder and stick. J. B. Williams Company. 144,976; renewed July 19, 1941.

Soap. Procter & Gamble Company. 145,440; renewed Aug. 2, 1941.

Soaps. H. Gabilla. 145,095–6; renewed July 26, 1941.

Soaps. J. B. Williams Company. 385,880; Mar. 18; Serial No. 437,708; published Jan. 7, 1941.

Soaps, cleaning, scouring, and polishing wads, pads, etc. Brillo Manufacturing Company. 141,498–9; renewed Apr. 26, 1941.

Washing powder. Procter & Gamble Company. 144,895; renewed July 19, 1941.

CLASS 5

Adhesive tapes, Transparent. Industrial Tape Corporation. 385,834; Mar. 18; Serial No. 436,808; published Jan. 7, 1941.

CLASS 6

Essence used in the bath, Perfumed. Bubbl-Fom Distributors. 385,908; Mar. 18.

Insecticides. E. S. Morris. 139,530; renewed Feb. 8, 1941.

Remedy for corns, callouses, and bunions, and footpowder, Liquid. Bauer & Black. 140,747–8; renewed Mar. 29, 1941.

Remedy for nervous diseases. Dr. Miles Medical Company. 19,975; re-renewed Aug. 4, 1941.

Toilet preparations. L. Singer. 142,132; renewed May 3, 1941.

CLASS 7

Rope, Manila. Portland Cordage Company. 142,709; renewed May 17, 1941.

Rope, Manila. Portland Cordage Company. 142,713; renewed May 17, 1941.

CLASS 12

Asphaltic composition. Rubber Associates, Inc. 385,791; Mar. 18; Serial No. 434,949; published Jan. 7, 1941.

Bonding materials. Harbison-Walker Refractories Company. 385,788; Mar. 18; Serial No. 434,830; published Nov. 5, 1940.

Brick, and fire-tile, Fire. Laclede-Christy Clay Products Company. 144,827; renewed July 19, 1941.

Cement for high-temperature uses, Refractory. Laclede-Christy Clay Products Company. 143,067; renewed May 24, 1941.

Cement, Oil well. Universal Atlas Cement Company. 385,873; Mar. 18; Serial No. 437,606; published Dec. 31, 1940.

Concrete-reinforcement, Plain and galvanized woven-wire. American Steel and Wire Company of New Jersey. 141,843; renewed May 3, 1941.

Flooring and wall covering, Rubber. Puritan Rubber Manufacturing Company. 385,811; Mar. 18; Serial No. 436,063; published Jan. 7, 1941.

Lime, Construction. G. & W. H. Corson, Inc. 385,860; Mar. 18; Serial No. 437,336; published Jan. 7, 1941.

Lumber. Central Hardware Co. 385,807; Mar. 18; Serial No. 435,864; published Dec. 31, 1940.

Pipes, couplings, fittings, etc., Asbestos-cement. Keasbey & Mattison Company. 385,759; Mar. 18; Serial No. 424,963; published Dec. 24, 1940.

Sashes, weather stripping, spulley styles, etc. Turlin Company. 385,819; Mar. 18; Serial No. 436,291; published Dec. 24, 1940.

Shingles, roofing-tile, roofing-slabs, etc. Vulcanite Roofing Company. 143,764; renewed June 7, 1941.

Tiles and bricks for furnaces, Refractory. Laclede-Christy Clay Products Company. 142,287; renewed May 10, 1941.

Troughs, Metallic roof. Tennison Brothers Incorporated. 385,766; Mar. 18; Serial No. 427,179; published Dec. 31, 1940.

Window units. Roach & Musser Co. 385,831; Mar. 18; Serial No. 436,679; published Jan. 7, 1941.

CLASS 13

Chain, Base metal. American Chain & Cable Company. 385,883; Mar. 18; Serial No. 437,853; published Jan. 7, 1941.

Fasteners, Slide. Ideal Fastener Corporation. 385,902; Mar. 18.

CLASS 14

Alloy steel, chisel-steel, and alloy chisel-steel. Ludlum Steel Company. 144,194; renewed June 28, 1941.

Bronze and castings made from bronze, Bulk. American Manganese Bronze Company. 144,160; renewed June 28, 1941.

Metal rods and wire for metal spraying, Ferrous and non-ferrous. Metallizing Company of America, Inc. 385,906; Mar. 18.

CLASS 15

Gasoline, motor and lubricating oils, etc. Sunset Oil Company. 385,812; Mar. 18; Serial No. 436,100; published Dec. 31, 1940.

Gasoline, Stove. National Refining Company. 19,324; re-renewed Apr. 14, 1941.

Oil, Illuminating. National Refining Company. 19,321; re-renewed Apr. 14, 1941.

Oil, Lubricating. National Refining Company. 19,323; re-renewed Apr. 14, 1941.

Oils, Motor lubricating. Radbill Oil Company. 385,776; Mar. 18; Serial No. 433,547; published Dec. 24, 1940.

CLASS 16

Coating composition, Liquid. Higley Chemical Company. 385,825; Mar. 18; Serial No. 436,513; published Jan. 7, 1941.

Finish, Penetrating. Frank Bownes Company. 385,789; Mar. 18; Serial No. 434,865; published Oct. 22, 1940.

Finishes—namely, clear varnish and all colors of enamel made from that varnish. McDougall-Butler Co. 385,904; Mar. 18.

CLASS 16

Paint oils and vehicles; paints; etc. L. R. Bradley. 385,748; Mar. 18; Serial No. 408,047; published Oct. 18, 1938.

Paints. Baker Paint & Varnish Co. 385,750; Mar. 18; Serial No. 414,051; published Feb. 14, 1939.

Paints, varnishes and paint enamels. International Paint Company. 385,909; Mar. 18.

Varnishes, japans, oil finish and bronzing liquid. Mayer & Lowenstein. 19,185; re-renewed Mar. 17, 1941.

Wax compound, Floor polishing. Candy & Company. 385,863; Mar. 18; Serial No. 437,433; published Jan. 7, 1941.

CLASS 17

Tobacco and cigarettes, Smoking and chewing. Liggett & Myers Tobacco Company. 142,670; renewed May 17, 1941.

Tobacco and cigarettes, Smoking and chewing. Liggett & Myers Tobacco Company. 142,676; renewed May 17, 1941.

Tobacco, Leaf. Liggett & Myers Tobacco Company. 139,568; renewed Feb. 8, 1941.

Tobacco, Leaf. Liggett & Myers Tobacco Company. 144,240; renewed June 28, 1941.

Tobacco, Leaf. Liggett & Myers Tobacco Company. 145,401; renewed Aug. 2, 1941.

Tobacco, Smoking. Larus & Brother Company. 385,852; Mar. 18; Serial No. 437,175; published Jan. 7, 1941.

Tobacco, Smoking. Stephano Brothers. 385,853–4; Mar. 18; Serial Nos. 437,182–3; published Jan. 7, 1941.

CLASS 19

Aeroplane and automobile accessories. R. E. Dowd. 385,865; Mar. 18; Serial No. 437,467; published Jan. 7, 1941.

Bicycles. Reciprocal Trade Corporation. 385,809; Mar. 18; Serial No. 435,953; published Jan. 7, 1941.

Brake chambers and parts thereof, Fluid pressure. Bendix-Westinghouse Automotive Air Brake Company. 385,881; Mar. 18; Serial No. 437,710; published Jan. 7, 1941.

Cart. Lincoln Engineering Company. 385,817; Mar. 18; Serial No. 436,220; published Jan. 7, 1941.

CLASS 20

Floor-covering. Paraffine Companies. 144,023; renewed June 21, 1941.

CLASS 21

Batteries and flashlight-batteries, Dry-cell. French Battery & Carbon Co. 140,596–7; renewed Mar. 22, 1941.

Electric timer and scoreboard for basketball and other games, Combination. Nevco Scoreboard Company. 385,771; Mar. 18; Serial No. 431,071; published Jan. 7, 1941.

Radio communication receivers, transmitters, and parts thereof. James Millen Manufacturing Company. 385,754; Mar. 18; Serial No. 421,146; published Dec. 31, 1940.

Solvent vaporizing apparatus, Electrically heated. Circo Products Company. 385,823; Mar. 18; Serial No. 436,421; published Jan. 7, 1941.

Wires and cables, Insulated electrical. General Cable Corporation. 385,758; Mar. 18; Serial No. 424,913; published Jan. 7, 1941.

CLASS 22

Cards, Playing. United States Playing Card Company. 385,887; Mar. 18; Serial No. 438,289; published Jan. 7, 1941.

Game. J. Sanders. 385,747; Mar. 18; Serial No. 401,353; published Feb. 14, 1939.

CLASS 23

Carving sets and knives. Cattaraugus Cutlery Company. 385,884; Mar. 18; Serial No. 438,117; published Jan. 7, 1941.
Cups and grease cups, Oil. Bowen Products Corporation. 145,325; renewed Aug. 2, 1941.
Duplicating machines and parts thereof. International Industries Inc. 385,757; Mar. 18; Serial No. 424,809; published Jan. 7, 1941.
Fire extinguishers. Erwin Manufacturing Company. 139,979; renewed Mar. 1, 1941.
Foundry equipment. Chicago Manufacturing and Distributing Company. 385,835; Mar. 18; Serial No. 436,835; published Jan. 7, 1941.
Machines for applying price marking indicia to merchandise. Monarch Marking System Company. 385,843–5; Mar. 18; Serial Nos. 437,005–7; published Jan. 7, 1941.
Marking bands for paper machines. Stowe-Woodward, Inc. 385,889; Mar. 18.
Mattocks and picks. Wyoming Shovel Works. 139,671; renewed Feb. 8, 1941.
Paper stock preparation machines. Dilts Machine Works, Inc. 385,761; Mar. 18; Serial No. 425,044; published Jan. 7, 1941.
Razors and razor blades. Magazine Repeating Razor Company. 385,768; Mar. 18; Serial No. 429,776; published May 14, 1940.
Rivet-sets. Rich Tool Company. 142,741; renewed May 17, 1941.

CLASS 26

Gauges, Pipe angle. Advance Aluminum and Brass Company. 385,901; Mar. 18.
Measuring instruments namely voltmeters, ammeters, universal voltammeters, Electrical. A. R. Doering. 385,841; Mar. 18; Serial No. 436,962; published Jan. 7, 1941.
Micrometer-calipers. J. T. Slocomb Co. 145,460; renewed Aug. 2, 1941.
Optical frames, spectacles, optical lenses, etc., and parts thereof. Marine Optical Mfg. Co. 385,872; Mar. 18; Serial No. 437,597; published Jan. 7, 1941.
Rules, folding rules, and extension rules. Master Rule Mfg. Co. 385,907; Mar. 18.
Tachometers and electric meters, Electric. Electric Tachometer Corporation. 144,565; renewed July 12, 1941.

CLASS 27

Watches. Nivada Watch Corporation. 385,893; Mar. 18.

CLASS 28

Articles of jewelry, tableware, toilet and other silverware. Cartier, Inc. 144,363; renewed July 5, 1941.
Bracelets, watch straps, watch attachments, etc., Watch. Gemex Company. 385,793; Mar. 18; Serial No. 435,055; published Nov. 26, 1940.
Clips, pins, bracelets, etc., Jewelled. Star Novelty Jewelry Co. 385,810; Mar. 18; Serial No. 436,040; published Dec. 10, 1940.
Flat-ware—namely, forks, spoons, ladles, etc. International Silver Company. 144,809; renewed July 19, 1941.
Flatware, Silver-plated. International Silver Company. 385,874; Mar. 18; Serial No. 437,623; published Dec. 24, 1940.
Flatware, Silverplated. Oneida Ltd. 385,842; Mar. 18; Serial No. 436,977; published Dec. 24, 1940.
Flatware, Sterling silver. Pillsbury Flour Mills Company. 385,850; Mar. 18; Serial No. 437,103; published Jan. 7, 1941.
Jewelry. Rose-Beck Co. 385,752; Mar. 18; Serial No. 417,184; published Dec. 24, 1940.
Jewelry, and fasteners for attachment to jewelry. C. B. Marcus. 385,787; Mar. 18; Serial No. 434,801; published Dec. 31, 1940.
Necklaces, bracelets, finger rings, etc. Cohn & Rosenberger, Inc. 385,824; Mar. 18; Serial No. 436,499; published Dec. 31, 1940.
Necklaces, earrings, brooches, etc. Colonial Bead Co. 385,820–1. Mar. 18; Serial Nos. 436,297–8; published Dec. 31, 1940.
Pearls and semiprecious stones. S. E. Weinreich. 385,806; Mar. 18; Serial No. 435,821; published Dec. 24, 1940.

CLASS 29

Brushes, Tooth, hair, cloth, etc. Western Bottle Manufacturing Company. 144,295; renewed June 28, 1941.

CLASS 31

Refrigerated cases and stands. C. V. Hill & Co. Inc. 385,890; Mar. 18.
Refrigerators, Electric. Liberty Electric Supply Company. 385,886; Mar. 18; Serial No. 438,273; published Jan. 7, 1941.

CLASS 32

Cases, lockers, and shelving, Metal filing. Berger Manufacturing Company. 140,327; renewed Mar. 15, 1941.
Spring units or assemblies. Lisson-Melen Co. 385,867; Mar. 18; Serial No. 437,474; published Jan. 7, 1941.

CLASS 33

Glassware. Corning Glass Works. 385,856; Mar. 18; Serial No. 437,240; published Jan. 7, 1941.

CLASS 34

Light transmitting and diffusing electric lamp housings, mantles, and shades, and light transmitting and diffusing panels. Light Conditioning Company of America, Inc. 385,794; Mar. 18; Serial No. 435,059; published Jan. 7, 1941.
Oil burning tanks and kettles. Aeroil Burner Company. 385,861; Mar. 18; Serial No. 437,359; published Jan. 7, 1941.

CLASS 35

Belting, Leather. Page Belting Company. 142,687–90; renewed May 17, 1941.
Belting, Leather. Page Belting Company. 142,692; renewed May 17, 1941.
Belting, Leather. Page Belting Company. 142,694; renewed May 17, 1941.
Belting, Leather. J. E. Rhoads & Sons. 145,187; renewed July 26, 1941.
Belts. B. F. Goodrich Company. 139,309; renewed Feb. 1, 1941.
Belts made of fabric combined with rubber. B. F. Goodrich Company. 140,812; renewed Mar. 29, 1941.
Belts made of fabric combined with rubber, Elevator. B. F. Goodrich Company. 140,811; renewed Mar. 29, 1941.
Hose and belting. B. F. Goodrich Company. 139,307; renewed Feb. 1, 1941.
Hose and pump-valves. B. F. Goodrich Company. 139,308; renewed Feb. 1, 1941.
Hose made of rubber. B. F. Goodrich Company. 139,306; renewed Feb. 1, 1941.
Seals, Water pump. Schwitzer-Cummins Company. 385,894; Mar. 18.
Tire casings and inner tubes therefor, Automobile. Broadway Tire Company. 385,895; Mar. 18.
Tire casings and inner tubes therefor, Automobile. Broadway Tire Company. 385,898; Mar. 18.
Tires and tubes. Gamble Stores Incorporated. 385,888; Mar. 18; Serial No. 438,332; published Jan. 7, 1941.

CLASS 36

Phonographs, parts thereof and accessories thereto, phonograph record players. RCA Manufacturing Company. 385,751; Mar. 18; Serial No. 414,368; published Jan. 7, 1941.
Records and blanks therefor, Sound. Zenith Radio Corporation. 385,775; Mar. 18; Serial No. 433,295; published Jan. 7, 1941.

CLASS 37

Binders, Loose-leaf. Tauber's Bookbindery, Inc. 385,905; Mar. 18.
Paper. Ditto, Incorporated. 385,808; Mar. 18; Serial No. 435,897; published Jan. 7, 1941.
Paper, Gummed. Ideal Coated Paper Company. 145,118; renewed July 26, 1941.
Paper, Ledger and writing. Graham Paper Company. 145,099; renewed July 26, 1941.
Paper napkins, paper doilies, cake-laces, and paper circles. Bossire & Company. 137,946; renewed Dec. 14, 1940.
Paper, Sketching. Keuffel & Esser Company. 144,822; July 19, 1941.
Paper towels. Scott Paper Company. 385,892; Mar. 18.
Spacers made of cardboard. Anderson Box Company. 385,891; Mar. 18.

CLASS 38

Books, and similar publications, Instruction. Bernhard Ulmann Co. Inc. 145,196; renewed July 26, 1941.
Books, Printed. Kellaway-Ide Company. 385,801; Mar. 18; Serial No. 435,621; published Dec. 24, 1940.
Cards, Greeting. J. Sapirstein. 385,778; Mar. 18; Serial No. 433,760; published Dec. 24, 1940.
Drawing, Comic. R. A. Kemp. 385,774; Mar. 18; Serial No. 432,540; published Dec. 31, 1940.
Drawings or pictures, Comic. Star Company. 140,222; renewed Mar. 8, 1941.
Magazine, Weekly Publications, Inc. 385,859; Mar. 18; Serial No. 437,328; published Dec. 31, 1940.
Magazines and periodicals, Marine Studios, Inc. 385,797; Mar. 18; Serial No. 435,394; published Dec. 24, 1940.
Newspaper column. Tribune Company. 385,783; Mar. 18; Serial No. 434,615; published Jan. 7, 1941.
Pamphlets. Richard Hudnut. 385,779; Mar. 18; Serial No. 433,824; published Dec. 24, 1940.
Periodical. Kalmbach Publishing Co. 385,847; Mar. 18; Serial No. 437,068; published Jan. 7, 1941.
Periodical. Outdoor Publishing Corporation. 385,792; Mar. 18; Serial No. 434,995; published Dec. 31, 1940.
Periodical published monthly. Business Publishers International Corporation. 385,772; Mar. 18; Serial No. 431,644; published Dec. 31, 1940.
Posters. Kelly Read & Co. 385,832; Mar. 18; Serial No. 436,894; published Jan. 7, 1941.

Printed matter. H. S. Burger. 385,780; Mar. 18; Serial No. 434,433; published Dec. 31, 1940.
Publication. H. S. Lingle. 385,814; Mar. 18; Serial No. 436,130; published Dec. 31, 1940.
Publication. Mississippi State Hospital Association, Inc. 385,837; Mar. 18; Serial No. 436,853; published Dec. 31, 1940.
Publication, Periodical. Holmes Eureka Lumber Company. 385,818; Mar. 18; Serial No. 436,267; published Dec. 24, 1940.
Publication, Periodical. Parents' Institute, Inc. 385,848; Mar. 18; Serial No. 437,072; published Jan. 7, 1941.
Section of a daily and Sunday newspaper. Newspaper PM, Inc. 385,782; Mar. 18; Serial No. 434,610; published Dec. 24, 1940.

CLASS 39

Brassières, bandeaux, camisoles, and corset covers. Warner Brothers Company. 141,011; renewed Mar. 29, 1941.
Clothing, Articles of. Ely & Walker Dry Goods Company. 143,329; renewed May 31, 1941.
Dresses, coats, hosiery, etc. L. Russell. 385,769; Mar. 18; Serial No. 430,361; published Jan. 7, 1941.
Girdles. Warner Brothers Company. 385,839; Mar. 18; Serial No. 436,914; published Jan. 7, 1941.
Gloves and leather and cloth mittens, Leather and cloth. Milwaukee Glove Company. 145,153; renewed July 26, 1941.
Hosiery for men, women and children. Chipman Knitting Mills. 144,720; renewed July 19, 1941.
Robes. Rice-Stix Dry Goods Company. 385,798; Mar. 18; Serial No. 435,474; published Jan. 7, 1941.
Shoes. Green Shoe Manufacturing Co. 385,803; Mar. 18; Serial No. 435,681; published Jan. 7, 1941.
Shoes. Johnson, Stephens and Shinkle Shoe Company. 385,800; Mar. 18; Serial No. 435,620; published Jan. 7, 1941.
Suits, overcoats, windbreakers, etc. International Tailoring Company of N. Y. 385,830; Mar. 18; Serial No. 436,670; published Jan. 7, 1941.
Underwear, Muslin and silk. Aaron Newmark, Inc. 141,065; renewed Apr. 12, 1941.

CLASS 40

Fabrics having designs thereon stamped for embroidery or art needlework. S. Rosenhouse. 385,851; Mar. 18; Serial No. 437,110; published Jan. 7, 1941.
Trimmings and ornaments for wearing apparel. North & Judd Manufacturing Company. 385,764; Mar. 18; Serial No. 425,120; published Jan. 7, 1941.

CLASS 42

Cotton pile fabrics. Merrimack Manufacturing Company. 385,875; Mar. 18; Serial No. 437,627; published Jan. 7, 1941.
Curtains and draperies. Fall River Curtain Co. 385,836; Mar. 18; Serial No. 436,841; published Jan. 7, 1941.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 385,876–8; Mar. 18; Serial Nos. 437,630–2.
Piece goods, Worsted. Guerin Mills Inc. 385,910; Mar. 18.
Sheets, pillow cases, and bed spreads. N. Gennet. 385,770; Mar. 18; Serial No. 430,600; published Jan. 7, 1941.
Wool, alpaca, mohair, etc., fabrics. Buckley & Cohen, Incorporated. 385,796; Mar. 18; Serial No. 435,349; published Jan. 7, 1941.

CLASS 43

Cotton and mending thread, Darning. Collingbourne Mills, Inc. 385,897; Mar. 18.
Thread. B. Rashkoff. 385,826; Mar. 18; Serial No. 436,524; published Dec. 24, 1940.
Thread. Textile Thread Company. 385,799; Mar. 18; Serial No. 435,484; published Dec. 31, 1940.
Thread, Covered rubber. United Elastic Corporation. 385,879; Mar. 18; Serial No. 437,704; published Jan. 7, 1941.
Thread, Linen. Linen Thread Company. 144,832; renewed July 19, 1941.
Yarn. H. C. Wolfenden. 385,813; Mar. 18; Serial No. 436,107; published Dec. 17, 1940.
Yarns. Emile Bernat & Sons Company. 385,882; Mar. 18; Serial No. 437,712; published Jan. 7, 1941.
Yarns. Fleisher Yarns, Inc. 385,846; Mar. 18; Serial No. 437,031; published Dec. 31, 1940.
Yarns, Cotton and wool. S. F. Freeman. 385,827; Mar. 18; Serial No. 436,568; published Dec. 17, 1940.
Yarns, threads, floss useful for art-needlework. Bernhard Ulmann Co. Inc. 145,194; renewed July 26, 1941.

CLASS 45

Beverage and concentrated grapefruit juice, Grapefruit. Sun-Y-South Concentrates Co. 385,765; Mar. 18; Serial No. 425,372; published Jan. 7, 1941.
Beverage, sirup, and extract for making the same. C. E. Trees & Co. 385,862; Mar. 18. Serial No. 437,423; published Dec. 31, 1940.
Beverage and syrups for making same. Tiny Beverages, Incorporated. 385,858; Mar. 18; Serial No. 437,291; published Dec. 31, 1940.
Beverage, Tomato and green chili juice. E. C. Ortega Co. 385,849; Mar. 18; Serial No. 437,102; published Jan. 7, 1941.
Beverages, Maltless, carbonated. Supreme Beverage Co. 385,786; Mar. 18; Serial No. 434,678; published Jan. 7, 1941.

CLASS 46

Bakery products. Friend Brothers Inc. 385,816; Mar. 18; Serial No. 436,172; published Jan. 7, 1941.
Bread. Helms Bakeries. 385,838; Mar. 18; Serial No. 436,891; published Jan. 7, 1941.
Bread and basic premixed ingredients used in the production of bread. Butereg Co. 385,822; Mar. 18; Serial No. 436,335; published Jan. 7, 1941.
Candy. Dilling & Company. 144,745; renewed July 19, 1941.
Candy. Schutter Candy Company. 385,790; Mar. 18; Serial No. 434,886; published Jan. 7, 1941.
Canned evaporated skim milk. Morning Milk Company. 385,767; Mar. 18; Serial No. 428,343; published June 18, 1940.
Canned fruits. Smith-Frank Packing Co. 144,937; renewed July 19, 1941.
Canned fruits and canned vegetables, canned vegetable juices, etc. Schuckl & Co. 385,802; Mar. 18; Serial No. 435,633; published Jan. 7, 1941.
Canned vegetables. J. S. Contas Bros., Inc. 385,805; Mar. 18; Serial No. 435,787; published Jan. 7, 1941.
Canned whole red beets, cut red beets, lima beans, etc. Royal Blue Stores, Inc. 385,749; Mar. 18; Serial No. 413,317; published Jan. 7, 1941.
Casein food product. Dry Milk Company. 145,077; renewed July 26, 1941.
Chocolate flavored mixture for making food drinks. P. C. Bragg. 385,870; Mar. 18; Serial No. 437,551; published Jan. 7, 1941.
Flour. Standard Milling Company. 385,781; Mar. 18; Serial No. 434,463; published Jan. 7, 1941.
Flour, Wheat. Hannibal Milling Co. 145,376; renewed Aug. 2, 1941.
Fruits and candies, and chocolate candies, Glazed. King's Banner Co. 385,756; Mar. 18; Serial No. 423,220; published Nov. 19, 1940.
Ham, bacon, sausage, bologna style sausage, etc. J. Shapiro & Sons. 385,777; Mar. 18; Serial No. 433,633; published Jan. 7, 1941.
Ice cream cones. Illinois Baking Corporation. 385,899; Mar. 18.
Olives, Green. Lindsay Ripe Olive Company. 385,896; Mar. 18.
Sauce, Spaghetti. J. Storniolo. 385,815; Mar. 18; Serial No. 436,149; published Jan. 7, 1941.
Sugar, Refined. Sucrest Corporation. 385,795; Mar. 18; Serial No. 435,222; published Jan. 7, 1941.
Syrup and peanut butter. W. B. Rodenbery Co. 385,785; Mar. 18; Serial No. 434,669; published Jan. 7, 1941.
Tablets for making soup. P. C. Bragg. 385,869; Mar. 18; Serial No. 437,550; published Jan. 7, 1941.
Walnuts. United Walnut Growers of California. 385,840; Mar. 18; Serial No. 436,951; published Jan. 7, 1941.
Wheat breakfast food and feed ingredient. Franklin MacVeagh & Company. 145,137; renewed July 26, 1941.

CLASS 47

Wines. V. Himmer, Jr. 385,760; Mar. 18; Serial No. 424,981; published July 9, 1940.
Wines. Lincoln Wine Company. 385,855; Mar. 18; Serial No. 437,206; published Jan. 7, 1941.
Wines. W. J. Mulligan. 385,871; Mar. 18; Serial No. 437,570; published Jan. 7, 1941.

CLASS 48

Beer. Koppitz-Melchers, Inc. 385,755; Mar. 18; Serial No. 421,243; published Jan. 7, 1941.

CLASS 49

Whiskey. Fleischmann Distilling Corporation. 385,857; Mar. 18; Serial No. 437,277; published Dec. 31, 1940.
Whiskey. London & Company. 385,820; Mar. 18; Serial No. 436,654; published Dec. 3, 1940.

CLASS 50

Florist dispensing supplies. Kervan Company. 144,820; renewed July 19, 1941.
Leather fillet. Page Belting Company. 143,706; renewed June 7, 1941.
Stretchers, Curtain. Quaker Stretcher Company. 385,900; Mar. 18.
Stretchers, Curtain. Quaker Stretcher Company. 385,903; Mar. 18.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Appleton, Arthur I., Northbrook, Ill. Signal and indicator for record sheets. Re. 21,751; Mar. 18.

Commercial Shearing & Stamping, The. (See Cushwa, C. B., and White, assignors.)

Cushwa, Charles B., and T. L. White, Youngstown, Ohio, assignors to The Commercial Shearing & Stamping Company. Liner segment. Re. 21,752; Mar. 18.

Davis, Willard A., Edgewood, R. I., assignor, by mesne assignments, to Gemex Company. Extension device. Re. 21,753; Mar. 18.

Gemex Company. (See Davis, Willard A., assignor.)

Helle, Earl, assignor of fifty per cent to L. M. McClure, Beardstown, Ill. Sewing machine attachment. Re. 21,754; Mar. 18.

McClure, Lloyd M. (See Helle, Earl, assignor.)

White, Thomas L. (See Cushwa, C. B., and White.)

LIST OF PLANT PATENTEES

Johnston, Walter I., Portadown, Ireland, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 461; Mar. 18.

Jackson & Perkins Company. (See Johnston, Walter I., assignor.)

LIST OF DESIGN PATENTEES

Abingdon Sanitary Manufacturing Company. (See Pieslak, Bernard B., assignor.)

Akins, Clifford M., Minneapolis, Minn. Hydraulic jack or the like. 125,906; Mar. 18.

Anderson, Albert G., Albert Lea, Minn. Bowling ball carrier. 125,988; Mar. 18.

Anderson, Elmer G. (See Cruise, J. J., and Anderson.)

Barber, Howard B., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Vacuum cleaner tank or the like. 125,881; Mar. 18.

Beispel, Herman, New York, N. Y. Dress or similar article. 125,989; Mar. 18.

Beispel, Herman, New York, N. Y. Ensemble dress or similar article. 125,990; Mar. 18.

Bilde, Tord E. D., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 125,882; Mar. 18.

Blue, Ben, Encino, Calif. Pin clip. 125,907; Mar. 18.

Boisseau, Dan R., San Antonio, Tex. Combined lubricating oil rack and windshield chamois servicer. 125,908; Mar. 18.

Buffalo Forge Company. (See Rideout, Russell H., assignor.)

Cashin, Bonnie, New York, N. Y. Coat. 126,022; Mar. 18.

Cashin, Bonnie, New York, N. Y. Coat. 126,023; Mar. 18.

Chanter, Walter D. (See May, Ashton Le Roy, assignor.)

Cleveland Welding Company, The. (See Mueller, Homer L., assignor.)

Cohen, Leon, Philadelphia, Pa. Drape. 125,963; Mar. 18.

Cohn & Rosenberger Inc. (See Verrecchio, Gene, assignor.)

Comfy Manufacturing Co., The. (See Sheplan, Herman B., assignor.)

Connor, James R., New York, N. Y. Display cabinet. 125,883; Mar. 18.

Cox, David, New York, N. Y. Dress. 126,039; Mar. 18.

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp, table, and radio receiving set. 125,948; Mar. 18.

Crowley, Daniel J. (See Crowley, D. J., and Dulmage, assignors.)

Crowley, Daniel J., Grosse Pointe, and Earl W. Dulmage, Detroit, Mich., assignors, by mesne assignments, to Daniel J. Crowley. Combined lamp and radio receiving set. 125,909; Mar. 18.

Crown Fastener Corporation. (See Holland, Glen, assignor.)

Cruise, John J., and E. G. Anderson, Hatboro, Pa. Game board. 125,910; Mar. 18.

Cummings, Israel, New York, N. Y. Textile fabric. 125,949; Mar. 18.

Daughtry, Floyd J., Tyler, Tex. Aquarium. 125,884; Mar. 18.

Dinhofer, Julius, New York, N. Y. Watch case. 125,885; Mar. 18.

Dinhofer, Julius, New York, N. Y. Watch case. 125,886; Mar. 18.

Dinhofer, Julius, New York, N. Y. Watch case. 125,887; Mar. 18.

Dulmage, Earl W. (See Crowley, D. J., and Dulmage.)

Electrolux Corporation. (See Bilde, Tord E. D., assignor.)

Elkins, Joseph, Brooklyn, N. Y. Dress. 126,003; Mar. 18.

Faller, Rose, assignor to Stehli & Co. Inc., New York, N. Y. Textile fabric. 125,950; Mar. 18.

Federal Glass Company, The. (See Nicholson, Albert H., assignor.)

Fields, Minna, New York, N. Y. Dress. 126,004; Mar. 18.

Fields, Minna, New York, N. Y. Dress. 126,005; Mar. 18.

Fields, Pauline E., New York, N. Y. Dress. 125,991; Mar. 18.

Fort, Marion S., Philadelphia, Pa. Combined cosmetic applicator and face patter. 125,931; Mar. 18.

Frederick, Robert E., New York, N. Y. Combined sole and heel. 125,888; Mar. 18.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered fabric or similar article. 125,992; Mar. 18.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered fabric or similar article. 125,993; Mar. 18.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered fabric or similar article. 125,994; Mar. 18.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered fabric or similar article. 125,995; Mar. 18.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered fabric or similar article. 125,996; Mar. 18.

Frost, Orley R., Port Huron, Mich. Holder for cans. 125,911; Mar. 18.

Geller, Mary, Chicago, Ill. Dress. 126,024; Mar. 18.

Glass, Faye, New York, N. Y. Dress ensemble. 125,964; Mar. 18.

Glass, Faye, New York, N. Y. Dress ensemble. 125,965; Mar. 18.

Gleitsman, Harold, New York, N. Y. Hamper or similar article. 125,912; Mar. 18.

Gold, Evelyn, New York, N. Y. Dress. 125,997; Mar. 18.

Goldsmith, Samuel R., New York, N. Y. Handbag frame. 125,998; Mar. 18.

Granat, Joseph, San Francisco, Calif. Medal or similar article. 125,889; Mar. 18.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Ashtray or similar article. 125,913; Mar. 18.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Bowl or similar article. 125,932; Mar. 18.

Haggart, John C., Jr., Westfield, N. J., assignor to Signal Service Corporation. Reflector unit, or the like. 125,914; Mar. 18.

Hallbauer, Otto, West Englewood, N. J. Embroidered lace trimming or similar article. 125,951; Mar. 18.

Heilbron, Carl H., San Diego, Calif. Ash tray. 125,915; Mar. 18.

Herbison, Ira, Plessis, N. Y. Anti-skid device. 125,916; Mar. 18.

Heywood-Wakefield Company. (See Jiranek, Leo, assignor).

Hill, Eleanor, New York, N. Y. Dress. 125,999; Mar. 18.

Hill, Eleanor, New York, N. Y. Dress ensemble. 126,006; Mar. 18.

Hill, Eleanor, New York, N. Y. Dress. 126,007; Mar. 18.

Hill, Eleanor, New York, N. Y. Dress. 126,025; Mar. 18.

Hill, Eleanor, New York, N. Y. Dress. 126,026; Mar. 18.

Holland, Glen, Bronxville, N. Y., assignor to Crown Fastener Corporation, Warren, R. I. Slider body. 125,890; Mar. 18.

Holophane Company. (See Rolph, T. W., and Logan, assignors.)

Hunter, Lee, Jr., University City, Mo. Combination battery analyzer and charger casing. 125,952; Mar. 18.

Hurwitz, Bernard, New York, N. Y. Dress. 126,008; Mar. 18.
Isbell, Vernon, Fort Worth, Tex. Booth. 125,933; Mar. 18.
Jackson, Charles S., Elmhurst, assignor to M. M. Kistner, Chicago, Ill. Electric iron. 125,891; Mar. 18.
Jackson, Charles S., Elmhurst, assignor to M. M. Kistner, Chicago, Ill. Handle for an iron. 125,892; Mar. 18.
Jalwan, Anthony P., Clarksburg, W. Va. Pool table or analogous article. 125,934; Mar. 18.
Jiranek, Leo, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theatre chairs. 125,893; Mar. 18.
Jiranek, Leo, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 125,894; Mar. 18.
Jiranek, Leo, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 125,917; Mar. 18.
Johnston, Charles F., Beaver, Pa., assignor to The Phoenix Glass Company, Monaca, Pa. Fluorescent lighting fixture. 125,918; Mar. 18.
Kaplan, Irving, Bronx, N. Y. Handbag. 126,000; Mar. 18.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Keyes, Kenneth, New York, N. Y. Wedge heel for shoes and slippers. 125,895; Mar. 18.
Klam, Omar, New York, N. Y. Fur jacket. 125,953; Mar. 18.
Klam, Omar, New York, N. Y. Fur jacket. 125,954; Mar. 18.
Kistner, Merrill M. (See Jackson, Charles S., assignor.)
Knapp-Monarch Company. (See Moeller, George L., assignor.)
Lang, Charles, New York, N. Y. Dress ensemble. 125,966; Mar. 18.
Lang, Charles, New York, N. Y. Dress. 125,967; Mar. 18.
Lang, Charles, New York, N. Y. Dress. 125,968; Mar. 18.
Lang, Charles, New York, N. Y. Dress. 125,969; Mar. 18.
Lang, Charles, New York, N. Y. Dress. 125,970; Mar. 18.
Lebworth, Mark, New York, N. Y. Textile fabric. 125,955; Mar. 18.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 125,935; Mar. 18.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 125,936; Mar. 18.
Leighton, Theodora R., New York, N. Y. Doll. 125,919; Mar. 18.
Lentheric Incorporated. (See McIntosh, Frank, assignor.)
Lester, Elvira T., New York, N. Y. Dress ensemble. 126,027; Mar. 18.
Logan, Henry L. (See Rolph, T. W., and Logan.)
Lorenzen, Arnold L., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle stopper. 125,896; Mar. 18.
Lorenzen, Arnold L., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle stopper. 125,897; Mar. 18
Lorenzen, Arnold L., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle stopper. 125,898; Mar. 18.
Lundy, William J., Olean, assignor to Olean Glass Company, Olean, N. Y. Bottle. 125,920; Mar. 18.
May, Ashton Le Roy, assignor of one-half to Walter D. Chanter, Detroit, Mich. Miniature motor. 126,056; Mar. 18.
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Bottle. 125,899; Mar. 18.
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Bottle. 125,921; Mar. 18.
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Bottle. 125,922; Mar. 18.
Moeller, George L., assignor to Knapp-Monarch Company, St. Louis, Mo. Fan propeller. 125,957; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress. 125,971; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress ensemble. 125,972; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress. 125,973; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress ensemble. 125,974; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress. 126,001; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress. 126,009; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress. 126,010; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress. 126,011; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress. 126,012; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress ensemble. 126,013; Mar. 18.
Monteil Germaine, New York, N. Y. Dress. 126,028; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress ensemble. 126,029; Mar. 18.
Monteil, Germaine, New York, N. Y. Dress ensemble. 126,030; Mar. 18.
Montgomery Ward & Co. (See Barber, Howard B., assignor.)
Morimura Bros., Inc. (See Leigh, Cyril W., assignor.)
Mosheim, Albert, South Orange, N. J. Display container or similar article. 125,900; Mar. 18.
Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Combination bicycle seat and signal device. 125,923; Mar. 18.
Murray, Albert H., Buffalo, N. Y. Lamp or similar article. 125,924; Mar. 18.
Myers, Hu C., Phillippi, W. Va. Viscera retractor. 125,925; Mar. 18.
Nelson, Clara M., administratrix. (See Ross, George G.)
Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or article of similar nature. 125,901; Mar. 18.
Novak, Syd, Chicago, Ill. Dress ensemble. 125,975; Mar. 18.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,014; Mar. 18.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,031; Mar. 18.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,032; Mar. 18.
Olean Glass Company. (See Lundy, William J., assignor.)
Olson, Karl F., Brooklyn, N. Y. Drapery cornice. 125,926; Mar. 18.
Owens-Illinois Glass Company. (See Lorenzen, Arnold L., assignor.)
Parisson, Anton G., Pittsburgh, assignor to The Phoenix Glass Company, Monaca, Pa. Fluorescent lighting fixture. 125,927; Mar. 18.
Phoenix Glass Company, The. (See Johnston, Charles F., assignor.)
Phoenix Glass Company, The. (See Parisson, Anton G., assignor.)
Pier, Esther, New York, N. Y. Dress. 126,015; Mar. 18.
Pier, Esther, New York, N. Y. Dress ensemble. 126,016; Mar. 18.
Pieslak, Bernard B., assignor to Abingdon Sanitary Manufacturing Company, Abingdon, Ill. Combined water closet tank and bowl. 125,902; Mar. 18.
Pieslak, Bernard B., assignor to Abingdon Sanitary Manufacturing Company, Abingdon, Ill. Combined water closet tank and bowl. 125,903; Mar. 18.
Reilly, Alfred F., North Attleboro, Mass. Receptacle for cigarettes or other articles. 125,937; Mar. 18.
Remington Rand Inc. (See Thompson, Russell G., assignor.)
Richards, Julia, Brooklyn, N. Y. Dress. 126,017; Mar. 18.
Richards, Julia, Brooklyn, N. Y. Dress ensemble. 126,033; Mar. 18.
Richards, Julia, Brooklyn, N. Y. Dress. 126,034; Mar. 18.
Richards, Julia, Brooklyn, N. Y. Dress ensemble. 126,035; Mar. 18.
Richards, Julia, Brooklyn, N. Y. Dress. 126,036; Mar. 18.
Richards, Julia, Brooklyn, N. Y. Dress. 126,037; Mar. 18.
Rideout, Russell H., assignor to Buffalo Forge Company, Buffalo, N. Y. Drill press or the like. 125,938; Mar. 18.
Rideout, Russell H., assignor to Buffalo Forge Company, Buffalo, N. Y. Drill press or the like. 125,939; Mar. 18.
Rolph, Thomas W., Newark, Ohio, and H. L. Logan, New Rochelle, assignors to Holophane Company, Inc., New York, N. Y. Combined reflector and prismatic bowl for lighting fixtures. 125,928; Mar. 18.
Rolph, Thomas W., Newark, Ohio, and H. L. Logan, New Rochelle, assignors to Holophane Company, Inc., New York, N. Y. Lighting fixture bowl or similar article. 125,929; Mar. 18.
Rosenstein, Nettie, New York, N. Y. Dress. 126,002; Mar. 18.
Rosenstein, Nettie, New York, N. Y. Dress. 126,018; Mar. 18.
Ross, George G., deceased, by Clara M. Nelson, Riverton, Wyoming, administratrix. Fish lure or similar article. 125,959; Mar. 18.
Roth, Andrew W., New York, N. Y. Textile fabric. 125,958; Mar. 18.
Shepherd, Lawrence V., Van Nuys, Calif. Combination gasoline pump and windshield service cabinet. 125,940; Mar. 18.
Shepherd, Lawrence V., Van Nuys, Calif. Combination gasoline pump and windshield service cabinet. 125,941; Mar. 18.
Shepherd, Lawrence V., Van Nuys, Calif. Combination windshield service cabinet and gasoline pump or the like. 125,942; Mar. 18.
Shepherd, Lawrence V., Van Nuys, Calif. Combination windshield service cabinet and gasoline pump or the like. 125,943; Mar. 18.
Sheplan, Herman B., assignor to The Comfy Manufacturing Co., Baltimore, Md. Knitted fabric or similar article. 125,960; Mar. 18.
Sherwin, Monroe, New York, N. Y. Fur jacket. 125,961; Mar. 18.
Shifman, Milton L., East Orange, N. J. Mattress handle. 125,904; Mar. 18.
Signal Service Corporation. (See Haggart, John C., Jr., assignor.)
Slote, Evelyn G., New York, N. Y. Dress. 126,038; Mar. 18.
Sobel, David, New York, N. Y. Knitted fabric. 126,019; Mar. 18.

Sobel, David, New York, N. Y. Knitted fabric. 126,020; Mar. 18.
Stehli & Co. Inc. (See Faller, Rose, assignor.)
Steiner, Charlotte, New York, N. Y. Sleeping dog toy. 125,945; Mar. 18.
Steiner, Charlotte, New York, N. Y. Sleeping doll. 125,946; Mar. 18.
Steiner, Charlotte, New York, N. Y. Sleeping baby doll. 125,947; Mar. 18.
Stickell, Samuel F., Forest Hills, N. Y. Leash handle. 125,944; Mar. 18.
Tearl, Stephen, Wilmington, Del. Mantelpiece ornament or similar article. 125,930; Mar. 18.
Thompson, Russell G., Elmira, assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting machine. 125,905; Mar. 18.
Vandam, Albert H., New York, N. Y. Textile fabric. 125,962; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,976; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Bracelet. 125,977; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Necklace. 125,978; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,979; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Pin clip. 125,980; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,981; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Pin clip. 125,982; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,983; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,984; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Pin clip. 125,985; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,986; Mar. 18.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 125,987; Mar. 18.
Zanft, Hattie Carnegie, Red Bank, N. J. Dress. 126,021; Mar. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abkowitz, Harold E. (See Blest, M. C., and Abkowitz.)
Ackermann, Franz. (See Graenacher, C., Ackermann, and Bruengger.)
Ackley, Charles S., New York, N. Y. Rendering earth materials solid. 2,235,695; Mar. 18.
Adelson, Joseph S., Shaker Heights, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Ferrous metal article and producing same. 2,235,243; Mar. 18.
Aerovox Corporation. (See Waterman, Herbert, assignor.)
Ahlburg Company. (See Mumma, Harold J., assignor.)
Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,235,546; Mar. 18.
Aktiebolaget Atlas-Diesel. (See Thege, E. O. P., and Elrén, assignors.)
Aktiebolaget Bolinder-Munktell. (See Ljungström, Fredrik, assignor.)
Aktiengesellschaft vorm. Seidel & Naumann. (See Wohlfarth, R. M., and Mitter, assignors.)
Albers, Walter W., San Francisco, Calif. Fish lure. 2,235,000; Mar. 18.
Allen, Charles T., Birmingham, Ala. Production of composite sectional building units. 2,235,001; Mar. 18.
Allen, William F., Jr., Seaford, Del., and E. J. Clark, Camden, N. J. Musical composition writing apparatus. 2,234,948; Mar. 18.
Allgoewer, Albert J. (See Gorbatenko, D. L., and Allgoewer.)
Allison, Leslie R., Forest Hills, and F. H. Nicholson, Penn Township, Allegheny County, assignors to The Union Swith & Signal Company, Swissvale, Pa. Railway signaling system. 2,235,134; Mar. 18.
Alma, Gerrit H. P., and J. L. H. Jonker, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electronic tube circuit. 2,235,190; Mar. 18.
Altwicker, Hubert, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Production of light metal forgings. 2,235,415; Mar. 18.
Amber, Ralph G., Libertyville, assignor to Universal Paper Products Company, Chicago, Ill. Paper cup and the manufacture thereof. 2,235,349; Mar. 18.
Amberg, Walter E., assignor to Universal Paper Products Company, Chicago, Ill. Method and means for forming paper cups. 2,235,348; Mar. 18.
Amco, Incorporated. (See Spencer, Howard F., assignor.)
American Anode Inc. (See Beal, Carl L., assignor.)
American Blower Corporation. (See Rice, Murray S., Jr., assignor.)
American Bolex Company. (See Brown, William J. Jr., assignor.)
American Can Company. (See Nordquist, Ronald E. J., assignor.)
American Chain & Cable Company. (See Reyburn, John B., assignor.)
American Cyanamid Company. (See Bradley, T. F., and Johnston, assignors.)
American Cyanamid Company. (See Hill, W. H., and Salley, assignors.)
American Forging & Socket Company. (See Saunders, Walter S., assignor.)
American Forging & Socket Company. (See Saunders, W. S., and McGregor, assignors.)
American Locomotive Company. (See Lake, Charles W., assignor.)
American Radiator & Standard Sanitary Corporation. (See Komroff, Paul, assignor.)
American Radiator & Standard Sanitary Corporation. (See Komroff, P., and Lambert, assignors.)
American Rolling Mill Company, The. (See Hayes, D. M., and Wolford, assignors.)
American Smelting and Refining Company. (See Labbe, Armand L., assignor.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
American Swiss Company, The. (See Rightmyer, Holden W., assignor.)
American Tissue Mills. (See Ross, Walter C., assignor.)
American Viscose Corporation. (See Clark, Alvah D., assignor.)
Ames, Arthur D., Galesburg, and W. E. Richmond, Kenilworth, assignors to Automatic Canteen Company of America, Chicago, Ill. Dispenser for refrigerated beverages. 2,235,244; Mar. 18.
Ammerman, Chester A., Lodgepole, Nebr. Semiartificial fish bait or lure. 2,235,600; Mar. 18.
Anciens Etablissements Barbier, Bernard & Turenne. (See Mestre, Louis N., assignor.)
Anderson, Arthur F., Auburn, Mass., and R. G. Carle, Woonsocket, R. I., assignors to Johnson & Bassett, Inc., Worcester, Mass. Bobbin holder. 2,235,245; Mar. 18.
Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,235,002; Mar. 18.
Anderson, Gustav. (See Madigan, Clair, assignor.)
Anderson, Violet, Oakland, Calif. Lotion dispenser. 2,235,350; Mar. 18.
Andreassen, Martin B., Arendal, Norway. Shaping the skin planking of vessels. 2,235,601; Mar. 18.
Andresen, Ernst-Günther, Berlin, Germany, assignor to General Electric Company. Electric lamp and similar devices. 2,235,135; Mar. 18.
Angier, Edward H. (See Dearborn, Ernest R., assignor.)
Anholtt, Anders P. (See Glern, J. B., and Anholtt.)
Anthony, William C., assignor to Anthony Company, Streator, Ill. Hoist. 2,235,246; Mar. 18.
Anthony Company. (See Anthony, William C., assignor.)
Apex Electrical Manufacturing Company, The, trustee. (See Kirby, James B., assignor.)
Arehart, David D., assignor to Palace Travel Coach Corporation, Flint, Mich. House car. 2,235,662; Mar. 18.
Arends, Menso, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Wave filter chain. 2,235,003; Mar. 18.
Arnould, Firmin J., Boise, Idaho. Bedclothes support. 2,235,191; Mar. 18.
Ashaway Line & Twine Manufacturing Company. (See Crandall, Julian T., assignor.)
Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning apparatus. 2,235,004; Mar. 18.
Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning method. 2,235,005; Mar. 18.
Asselin Crossing Co. (See Asselin, James H., assignor.)
Asselin, James H., Hubbard Woods, Ill., assignor to Asselin Crossing Co., San Francisco, Calif. Railway crossing. 2,235,247; Mar. 18.
Asselin, James H., Hubbard Woods, Ill., assignor to Asselin Crossing Co., San Francisco, Calif. Rail guard. 2,235,248; Mar. 18.
Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
Associated Telephone & Telegraph Company. (See Pearce, O. A., and Graham, assignors.)
Atkinson, Stanley H., assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Sealing means. 2,235,306; Mar. 18.
Atkinson, Stanley H., assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Sealing means. 2,235,307; Mar. 18.
Auer, Laszlo, Jackson Heights, N. Y., assignor to J. R. Newman, Washington, D. C., trustee. Modification of the physical properties of organic isocolloids. 2,234,949; Mar. 18.
Austin, Benjamin F. (See Lytton, Thomas S., assignor.)
Auto Specialties Manufacturing Co. (See Lucker, Millard B., assignor.)
Autographic Register Company. (See Brenn, Carl W., assignor.)
Automatic Canteen Company of America. (See Ames, A. D., and Richmond, assignors.)
Automatic Devices Corporation. (See Pixley, George J., assignor.)
Atwood Vacuum Machine Company, The. (See Tierney, William J., assignor.)
B. G. Corporation, The. (See Schulz, Christopher A., assignor.)
Bachmann, Frank, New York, N. Y. Ventilation and testing device. 2,235,663; Mar. 18.
Bachmann, Frank, New York, N. Y. Oil burning apparatus. 2,235,664; Mar. 18.
Bagley, Thomas J., Haddonfield, assignor to R. M. Hollingshead Corporation, Camden, N. J. Hydraulic brake fluid composition. 2,235,754; Mar. 18.
Bailey, Roy W., assignor to Detroit Power Screwdriver Company, Detroit, Mich. Torque controlled drive. 2,235,192; Mar. 18.
Bak, Alfred W., Rochester, N. Y. Housing for battery terminal clamps. 2,235,092; Mar. 18.
Bakelite Building Products Co. (See Brownmiller, Lorrin T., assignor.)

Baker, John G., Evansville, Wis., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Crankshaft balancing. 2,235,393; Mar. 18.
Baker, Solomon F., assignor to Thornton Tandem Company, Detroit, Mich. Sealing device. 2,235,351; Mar. 18.
Bakker, Arjen, The Hague, and H. C. A. van Duuren, Wassenaar, Netherlands, assignors to Radio Corporation of America. Error checking telegraph system. 2,235,755; Mar. 18.
Baldwin, H. J., & Company. (See Byers, Edward V., assignor.)
Ballman, Edwin C., St. Louis, Mo. Electric motor frame construction. 2,235,807; Mar. 18.
Bala, Emil H., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Preparation of phenolic resins. 2,235,193; Mar. 18.
Baucel, Paul A., Montclair, N. J., and J. Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating apparatus and method. 2,236,696; Mar. 18.
Banker, Olin E., Wilkes-Barre, Pa. Cellar drain valve. 2,235,308; Mar. 18.
Barclay, Robert E., Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio. Projection screen. 2,234,950; Mar. 18.
Barnes, William A., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Electric appliance casing. 2,235,569; Mar. 18.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Dump body construction. 2,235,136; Mar. 18.
Barth, Heinrich, Munich, Germany. Teleprinting system. 2,235,006; Mar. 18.
Barthman, William C., New York, N. Y. Combination watchcase and picture holder. 2,235,095; Mar. 18.
Barton, John. (See Teters, O. O., and Barton.)
Basic Dolomite, Inc. (See Lee, Harley C., assignor.)
Bass, Jim M., Lufkin, Tex. Truss. 2,235,756; Mar. 18.
Batelle Memorial Institute. (See Bird, Byron M., assignor.)
Bates, Harry C., Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for blowing glass wool. 2,235,352; Mar. 18.
Bath, John, & Company. (See Walker, Ernest A., assignor.)
Bauer, George A., Baltimore, Md. Manufacturing pottery with incised or incrusted designs. 2,235,665; Mar. 18.
Bauer, Hugo. (See Rosenthal, S. M., and Bauer.)
Baum, Albert E., Waterloo, Iowa. Coal stoker. 2,235,309; Mar. 18.
Baum, Donald H. (See Williams, H. W., and Baum.)
Bauman, Joseph J., Chicago, Ill., assignor to Kurz-Kasch, Inc., Dayton, Ohio. Utensil handle. 2,235,792; Mar. 18.
Baumbach, Emil A., Chicago, Ill. Stripper plate for punch holders. 2,234,945; Mar. 18.
Bausch & Lomb Optical Company. (See Bausch, William, assignor.)
Bausch & Lomb Optical Company. (See Diggins, B. A., and Gallasch, assignors.)
Bausch & Lomb Optical Company. (See Jobe, Frederick W., assignor.)
Bausch, William, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Haemacytometer. 2,235,310; Mar. 18.
Bayerische Motoren Werke Aktiengesellschaft. (See Duckstein, Martin, assignor.)
Bazeley, Arthur J., deceased, by R. M. Bazeley, executrix, Shaker Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupling and supporting apparatus. 2,235,137; Mar. 18.
Bazeley, Arthur J., deceased, by R. M. Bazeley, executrix, Shaker Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway draft Rigging. 2,235,194; Mar. 18.
Bazeley, Ruth M., executrix. (See Bazeley, Arthur J.)
Baxter, Joseph M., assignor to The Capehart, Incorporated, Fort Wayne, Ind. Method and apparatus for tone control of sound reproducing systems. 2,235,249; Mar. 18.
Beal, Carl L., Cuyahoga Falls, assignor to American Anode Inc., Akron, Ohio. Manufacture of dipped goods. 2,235,445; Mar. 18.
Beaver, Conway P., Pasadena, Calif. Reed. 2,235,276; Mar. 18.
Becker, William E., and C. S. MacIntosh, assignors to Eugene Meyer & Co., Washington, D. C. Double truck plate-matching machine. 2,235,096; Mar. 18.
Beede, Kathleen, Falls Church, Va. Apron. 2,235,353; Mar. 18.
Belcher, Daniel, assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Packaging machine. 2,234,951; Mar. 18.
Belcher, Daniel, and H. V. Kindseth, assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Machine for compacting material in containers. 2,234,953; Mar. 18.
Bell, Adam C. (See Russell, K. L., and Bell.)
Bell, David A., Chelmsford, England, assignor to Radio Corporation of America. Preselective tuning mechanism for radio receiving systems and the like. 2,235,195; Mar. 18.
Bell Punch Company Limited. (See Webb, Christopher F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Blount, F. E., and Schenck, assignors.)
Bell Telephone Laboratories, Incorporated. (See Carpenter, Warren W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Chaffee, Joseph G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hammer, Karl E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Higgins, William H. C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schelkunoff, Sergei A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Shann, O. A., and Smith, assignors.)
Bell Telephone Laboratories, Incorporated. (See Towne, Charles C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Trucksess, David E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Watson, Edward F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wooldridge, Dean E., assignor.)
Bemis Bro. Bag Co. (See Belcher, Daniel, assignor.)
Bemis Bro. Bag Co. (See Belcher, D., and Kindseth, assignors.)
Bendix Aviation Corporation. (See McGrath, William L., assignor.)
Bendix Aviation Corporation. (See Ottley, Frederick J., assignor.)
Bendix Aviation Corporation. (See Sekella, Youston, assignor.)
Bendix, Frederick, San Francisco, Calif. Pipe. 2,234,952; Mar. 18.
Benson, Albert T., Horsham, Victoria, Australia. Rock crusher. 2,235,097; Mar. 18.
Berch, Samuel H., Beverly Hills, Calif. Vacuum sealing packages. 2,235,394; Mar. 18.
Berger, Arthur F., assignor to The Master Electric Company, Dayton, Ohio. Lubricating apparatus. 2,235,793; Mar. 18.
Bergman, Paul R., near Seattle, Wash. Illuminated push button. 2,234,954; Mar. 18.
Berman, Elsie L. (See Berman, Oscar A., assignor.)
Berman, Jean S. (See Berman, Oscar A.)
Berman, Nina A. (See Berman, Oscar A.)
Berman, Oscar A., New York, N. Y., assignor to O. A. Berman, trustee for E. L., N. A., and J. S. Berman. Fastening device. 2,235,794; Mar. 18.
Berner, Elmer L., et al. (See Brazil, August J., assignor.)
Bernstein, Wilburn F., Brookfield, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Oil seal construction. 2,235,735; Mar. 18.
Best, Alexander, et al., trustees. (See Ice, James N., assignor.)
Betty, John A., Corcoran, Calif. Beet harvester. 2,235,470; Mar. 18.
Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,234,946; Mar. 18.
Bieber, Clarence G., and M. P. Buck, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Nickel alloys and treating the same. 2,234,955; Mar. 18.
Biesemeyer, August, New Franklin, Mo. Canvas protector for harvesters. 2,235,602; Mar. 18.
Bilde, Tord E. D., assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden. Dishwashing machine. 2,235,196; Mar. 18.
Bilinsky, Solomon, assignor to E. E. Rosaire, Houston, Tex. Exploration with electric impulses. 2,234,956; Mar. 18.
Billetter, Halton A., Youngstown, Ohio. Therapeutical apparatus. 2,235,138; Mar. 18.
Billings & Spencer Company, The. (See Kincaid, Marshall N., assignor.)
Binding, John M., et al. (See Cislak, Frank, assignor.)
Bindler, Jakob, assignor to J. R. Geigy A. G., Basel, Switzerland. Amino-o-hydroxy-carboxylic acids of the diarylmethane series. 2,235,471. Mar. 18.
Bingham, Carl G., Highland Park, P. Fernekes, Arlington Heights, and W. Wanner, Wilmette, assignors to Sam'l Bingham's Son Manufacturing Company, Chicago, Ill. Coating machine for printers' rollers. 2,235,250; Mar. 18.
Bingham's, Sam'l, Son Manufacturing Company. (See Bingham, C. G., Fernekes, and Wanner, assignors.)
Bird, Byron M., assignor to Battelle Memorial Institute, Columbus, Ohio. Desliming. 2,235,757; Mar. 18.
Birger, Milton H., Glen Carbon, and C. D. Johnson, Belleville, Ill. Surfacing means. 2,235,446; Mar. 18.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse. 2,235,666; Mar. 18.
Bitner, Ralph E., New York, N. Y. Textile printing frame. 2,235,063; Mar. 18.
Bjornson, Bjorn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,235,007; Mar. 18.
Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)

Blanchard, Joseph E., assignor to Watson-Williams Manufacturing Company, Millbury, Mass. Harness frame. 2,235,512; Mar. 18.
Blaney, Arthur C., Los Angeles, Calif., assignor to Radio Corporation of America. Sound recording system. 2,235,513; Mar. 18.
Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Cushioning mechanism. 2,235,472; Mar. 18.
Blest, Minot C., Bellevue, and H. E. Abkowitz, assignors to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Car construction. 2,235,795; Mar. 18.
Blinstrub, Alfons A., Silverpeak, Nev. Dispensing container. 2,235,473. Mar. 18.
Blount, Frank E., Cedar Grove, and A. K. Schenck, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relaxation oscillator. 2,235,667; Mar. 18.
Blowney, Walter E., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,235,547; Mar. 18.
Bludow, Pierre, Lyon, assignor to Societe "Rhodiaceta," Paris, France. Manufacture of 1,4,5,8-tetra-aminoanthraquinone. 2,235,570; Mar. 18.
Boid, Ralph E., Lansdowne, Pa., assignor to General Electric Company. Circuit breaker. 2,235,626; Mar. 18.
Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor unloading valve mechanism. 2,235,251; Mar. 18.
Bolinder's Fabriks Aktiebolag. (See Bilde, Tord E. E. D., assignor.)
Bomgren, Axel F., Storangen, Sweden. Building houses of artificial stone. 2,235,603; Mar. 18.
Bonin, Louis. (See Ruiter, Ralph D., assignor.))
Boor, Ivan, New York, N. Y. Semiautomatic telegraph keying system. 2,235,627; Mar. 18.
Booth Fisheries Corporation. (See Fletcher, Robert P., Jr., assignor.)
Borg-Warner Corporation. (See Anderson, Edmund B., assignor.)
Bosch, Max, Berlin-Reinickendorf, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System for directly transforming the frequency of polyphase alternating currents. 2,235,474; Mar. 18.
Bosch, Robert, Gesellschaft mit beschrÄnkter Haftung. (See Möhrle, A., and Sachs, assignors.)
Bouton, Edgar M., Nutley, D. Santini, Tenafly, and H. W. Williams, assignors to Westinghouse Electric Elevator Company, Jersey City, N. J. Quota control system. 2,235,395; Mar. 18.
Bower, Jerome G. (See Johnson, G. T., Bower, and Stertzbach.)
Bower Rolling Bearing Company. (See Ortegren, H. A., and Howenstine, assignors.)
Boynton, Alexander, San Antonio, Tex. Thread locking means. 2,234,957; Mar. 18.
Bozeman, John F., assignor of five per cent to B. C. Connell, five and sixty-two and one-half hundredths per cent to G. Myers, seventeen and twenty-five hundredths per cent to C. W. Hotchkiss, Jr., and twenty-nine and twelve and one-half hundredths per cent to W. T. Touchton, Houston, Tex., and five per cent to T. C. Ward, Pittsburgh, Pa. Bit for drilling well bores. 2,235,548; Mar. 18.
Bradley, Robert E., Quincy, Mass. Attachment for sweepers and the like. 2,235,277; Mar. 18.
Bradley, Robert L., Belmont, Mass. Temperature indicating instrument. 2,235,252; Mar. 18.
Bradley, Theodore F., Stamford, and W. B. Johnston, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Ester condensation products and producing the same. 2,235,447; Mar. 18.
Bradley, Theodore F., Stamford, and W. B. Johnston, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Esters and producing the same. 2,234,958; Mar. 18.
Brandon, Alfred E., New York, N. Y. Combination chair and cot. 2,235,571; Mar. 18.
Brandt, Robert L., and J. Ross, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Aliphatic sulphates and making same. 2,235,098; Mar. 18.
Braun, Francis F. (See Hearn, T. A., and Braun.)
Brazil, August J., Wichita, assignor of one-twentieth to E. L. Cooper, Harper, and one-tenth to E. L. Berner, Heston, Kans. Crankshaft grinder. 2,235,417; Mar. 18.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,235,197; Mar. 18.
Brice, Albert L., assignor to The Frederick Iron and Steel Company, Frederick, Md. Air control for stokers. 2,234,959; Mar. 18.
Bridgwater, Herbert E., Syracuse, assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting and like machines. 2,235,416; Mar. 18.
Briggs & Stratton Corporation. (See Trier, Paul W., assignor.)
Bristol Company, The. (See Koester, Herman, assignor.)
Britton, Edgar C., and F. L. Taylor, assignors to The Dow Chemical Company, Midland, Mich. Purification of halogen-containing polymers. 2,235,796; Mar. 18.
Brock, Arnold E., Burlingame, and E. H. Gremminger, Mill Valley, assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif. High voltage disconnecting switch. 2,235,253; Mar. 18.
Brockway Motor Company. (See Sears, Russell N., assignor.)
Brown, Benjamin F., Chicago, Ill. Transfer. 2,235,514; Mar. 18.
Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Brown, John H., Springfield, Mo. Steam superheater. 2,235,354; Mar. 18.
Brown Instrument Company, The. (See Krogh, Anker E., assignor.)
Brown and Sharpe Manufacturing Company. (See Mathewson, M. I., and Krause, assignors.)
Brown, William J., Jr., Irvington, N. J., assignor to American Bolex Company, Inc., New York, N. Y. Motion picture titling apparatus. 2,235,355; Mar. 18.
Brownmiller, Lorrin T., Washington, D. C., assignor to Bakelite Building Products Co., Inc., New York, N. Y. Building material and making the same. 2,235,008; Mar. 18.
Brubaker, Wilson M., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,235,396; Mar. 18.
Bruce, Malcolm, Plymouth, Mass. Radio antenna system. 2,235,139; Mar. 18.
Bruegger, Zeno A., Boise, Idaho. Piston. 2,235,475; Mar. 18.
Bruen, George C, assignor to Rotary Index Co., Inc., Chicago, Ill. Rotary card index. 2,235,736; Mar. 18.
Bruengger, Heinrich. (See Graenacher, C., Ackermann, and Bruengger.)
Brumaglim, Ivan S., North Warren, Pa. Radial propeller agitator. 2,235,604; Mar. 18.
Brunner, Forrest B., Chicago, Ill. Spraying device. 2,235,278; Mar. 18.
Bryan, Harold W. (See Nicholson, F. H., and Bryan.)
Buchhart, Josef, Stuttgart-Zuffenhauser, assignor to Dr. Ing h. c. F. Porsche K.-G., Stuttgart-Zuffenhauser, Germany. Power transmission. 2,235,418; Mar. 18.
Buck, Mortimer P. (See Bieber, C. G., and Buck.)
Buckeye Steel Castings Company, The. (See Johnson, G. T., Bower, and Stertzbach, assignors.)
Budd, Edward G., Manufacturing Company. (See Dean, Albert G., assignor.)
Budd, Edward G., Manufacturing Co. (See Dean, Walter B., assignor.)
Budd, Edward G., Manufacturing Company. (See Ekserdjian, R., and Harwick, assignors.)
Budd, Edward G., Manufacturing Company. (See Gemenden, John H., assignor.)
Buelow, Henry W., Detroit, Mich. Building frame structure. 2,234,960; Mar. 18.
Bugatti, Ettore, Molsheim, France. Screw propeller. 2,235,605; Mar. 18.
Bullard, Harold, Independence, Mo. System for roasting ores. 2,235,311; Mar. 18.
Bunker, Frank S., Los Angeles, assignor, by mesne assignments, to L. H. Heacock, Compton, Calif. Weight indicator for deep well drilling rigs. 2,235,279; Mar. 18.
Bunn, George R., Springfield, Ill. Attachment for horse collars. 2,235,312; Mar. 18.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Anode neutralizing circuit for short waves. 2,235,198; Mar. 18.
Byers, Edward V., Fenham, Newcastle-on-Tyne, assignor to H. J. Baldwin & Company, Limited, Nottingham, England. Protective tile for covering underground cables. 2,235,356; Mar. 18.
Calhoon, Jesse W., Columbus, Ohio. Key case. 2,235,606; Mar. 18.
Callahan, James J., Oak Park, and C. Scuderi, Chicago, Ill. Fracture nail and director. 2,235,419; Mar. 18.
Campbell, Bryce, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Manufacture of fuseheads. 2,235,009; Mar. 18.
Canada, Phoebe L., Brooklyn, N. Y. Vein holder. 2,234,961; Mar. 18.
Canal National Bank of Portland, The, trustee. (See Randall, W. H., and Emery, assignors.)
Capehart, Incorporated, The. (See Baxter, Joseph M., assignor.)
Carborundum Company, The. (See McMullen, John C., assignor.)
Cardwell-Westinghouse Company. (See Sproul, Donald F., assignor.)
Carl-Art, Inc. (See Schraysshuen, Carl, assignor.)
Carle, Robert G. (See Anderson, A. F., and Carle.)
Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Accelerating pump. 2,235,797; Mar. 18.
Carpenter, Walter E., West Caldwell, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manufacture of miniature lamps. 2,235,515; Mar. 18.
Carpenter, Warren W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,235,803; Mar. 18.
Carraway, Thomas W., Dallas, Tex. Air conditioning apparatus. 2,235,607; Mar. 18.

Carr-Lowrey Glass Co. (See Garwood, Charles B., assignor.)
Carrier Corporation. (See Ashley, Carlyle M., assignor.)
Carter Carburetor Corporation. (See Bicknell, George M., assignor.)
Carter Carburetor Corporation. (See Carlson, Harold A., assignor.)
Carter, Donald M. (See Diehl, Paul H., assignor.)
Cartier, Inc. (See Pujol, Albert J., assignor.)
Carver, Horace N., Wichita, Kans. Signaling device. 2,235,280; Mar. 18.
Carver, Horace N., Wichita, Kans. Signaling device. 2,235,281; Mar. 18.
Carver, Horace N., Wichita, Kans. Signaling device. 2,235,282; Mar. 18.
Carver, Horace N., Wichita, Kans. Signaling device. 2,235,283; Mar. 18.
Carver, Horace N., Wichita, Kans. Signaling device. 2,235,284; Mar. 18.
Carver, Horace N., Wichita, Kans. Road marker. 2,235,285; Mar. 18.
Cederstrom, Curtiss M. (See Welch, A. U., Jr., and Cederstrom.)
Celanese Corporation of America. (See Dreyfus, H., and Moncrieff, assignors.)
Celanese Corporation of America. (See Ellis, G. H., and Olpin, assignors.)
Celanese Corporation of America. (See Moncrieff, Robert W., assignor.)
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Chace, Thomas B., Winnetka, Ill. Cladding steel. 2,235,199; Mar. 18.
Chace, Thomas B., Winnetka, Ill. Making composite metal. 2,235,200; Mar. 18.
Chaffee, Joseph G., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra-short wave transmitting and receiving system. 2,235,010; Mar. 18.
Chain Belt Company. (See Marshall, William B., assignor.)
Champion Paper and Fibre Company, The. (See Murdock, Harold R., assignor.)
Chaney, Leonard P., Houston, Tex. Ball cam device. 2,235,011; Mar. 18.
Charlebois, Antoine. (See McMahan, E. E., and Charlebois.)
Chattin, Robert C., Boise, Idaho. Irrigation ditcher. 2,235,670; Mar. 18.
Chemical Extraction Corporation. (See Rader, Lyell M. and J. C., assignors.)
Cherry, Albert H., Minneapolis, Minn. Seed separator. 2,235,668; Mar. 18.
Chicago Die Casting Manufacturing. (See Koch, Paul F., assignor.)
Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)
Chicago Telephone Supply Company. (See Haselwood, Willis E., assignor.)
Chicopee Manufacturing Corporation. (See Goldman, M. A., and Hunt, assignors.)
Chrysler Corporation. (See Gonzalez, Rafael A., assignor.)
Church, Carl L., Glendale, Calif. Clip for metal lath and the like. 2,235,397; Mar. 18.
Cincinnati Milling Machine Co., The. (See Roehm, E. G., and Fritschl, assignors.)
Cincinnati Milling Machine Company, The. (See Wall, Edmund L., assignor.)
Cisiak, Frank, Berwyn, Ill., assignor of one-fourth to F. Lane, Mt. Pleasant, Iowa, one-fourth to J. M. Binding, Manistee, Mich., and one-fourth to L. D. Ross, Chicago, Ill. Thread cutting device. 2,234,962; Mar. 18.
Clark, Alvah D., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for the production of broken filament yarn. 2,234,947; Mar. 18.
Clark, Edward J. (See Allen, W. F., Jr., and Clark.)
Clarke, Douglas R., Toronto, Ontario, Canada. Portable internal combustion engine. 2,235,140; Mar. 18.
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Making soap. 2,235,628; Mar. 18.
Cleveland, Clarence E., Reading, Vt. Gripping device. 2,235,313; Mar. 18.
Cleveland Tractor Company, The. (See Heaslet, James G., assignor.)
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Antioxidant. 2,235,629; Mar. 18.
Cloud, Raymond T., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Determination of densities of fluids in wells. 2,235,064; Mar. 18.
Clum Manufacturing Company. (See Winning, Robert K., assignor.)
Coffin, David D., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc tube system. 2,234,963; Mar. 18.
Colcher, Abraham E., Philadelphia, Pa. Radiograph apparatus. 2,235,143; Mar. 18.
Colcher, Abraham E., Philadelphia, Pa. Radiographic apparatus. 2,235,144; Mar. 18.
Cole, Arthur A., Newark, N. J. Electric gun. 2,235,201; Mar. 18.
Coleman Lamp and Stove Company, The. (See Strong, Hiram W., assignor.)

Colgate-Palmolive-Peet Company. (See Brandt, R. L., and Ross, assignors.)
Colgate-Palmolive-Peet Company. (See Russell, K. L., and Bell, assignors.)
Collings, David A., Cleveland, Ohio, assignor to H. K. Hines. Mold jacket. 2,235,448; Mar. 18.
Collings, William R., F. C. Peterson, and H. C. Kelly, assignors to The Dow Chemical Company, Midland, Mich. Grease-proofing paper. 2,235,798; Mar. 18.
Colvin, Oliver D., Seattle, Wash. Detachable automobile carrier rack. 2,235,012; Mar. 18.
Condenser Development Corporation. (See Teaf, John H., assignor.)
Condenser Service & Engineering Co. (See Harris, Clifford B., assignor.)
Cone, Charles N., assignor to M and M Wood Working Company, Portland, Oreg. Glue and process of manufacture therefor. 2,235,202; Mar. 18.
Conklin, Harry R., Los Angeles, Calif. Automatic carbonator. 2,235,357; Mar. 18.
Conklin, James W., Audubon, and R. Serrell, Haddonfield, N. J., assignors to Radio Corporation of America. Electron discharge apparatus. 2,235,669; Mar. 18.
Connell, B. C., et al. (See Bozeman, John F., assignor.)
Connell, Katherine I., Kansas City, Mo. Golf practicing device. 2,235,358; Mar. 18.
Consolidated Car Heating Company. (See Knaack, Rudolph F., assignor.)
Consolidated Mining & Smelting Company of Canada, The. (See Sutherland, B. P., Shaw, and Morris, assignors.)
Continental Can Company. (See Kronquest, A. L., and Schmitt, assignors.)
Continental Laundry Machinery Co. Inc. (See Vetorino, John E., F., and J. E., assignors.)
Cook, John V., assignor to Petersen Oven Company, Chicago, Ill. Commercial baking oven. 2,235,476; Mar. 18.
Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Discharge mechanism for tablet machines. 2,235,286; Mar. 18.
Cooper, Ernest L., et al. (See Brazil, August J., assignor.)
Cooper, Wells & Co. (See Lahr, Nicholas F., assignor.)
Corn Products Refining Company. (See Horesi, Anthony C., assignor.)
Cornell, Edward S., Jr., Larchmont, N. Y. Thermostat. 2,235,697; Mar. 18.
Corning Glass Works. (See Curry, G. L., and Smith, assignors.)
Cornwell, Ralph T. K., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Plastic sheet material and making the same. 2,235,516; Mar. 18.
Cory, Anthony, New York, N. Y. Mechanical movement. 2,235,420; Mar. 18.
Cotta Transmission Corporation. (See Nelson, Floyd R., assignor.)
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Side frame. 2,235,799; Mar. 18.
Cox, Joseph H., and L. A. Kilgore, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage control system. 2,235,398; Mar. 18.
Cramwinckel, Arnaud, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Ultra short wave receiving sets. 2,235,203; Mar. 18.
Crandall, Julian T., assignor to Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Winding machine. 2,235,737; Mar. 18.
Creamery Package Mfg. Company, The. (See Walstrom, Axel M., assignor.)
Crooks, Harold S. (See Dunn, I. L., Crooks, and Lewis.)
Crown Cork & Seal Company. (See Enkur, Edward M., assignor.)
Crown Cork & Seal Company. (See Schon, Matthew, assignor.)
Crucible Steel Company of America. (See Wise, Clarence E., assignor.)
Culbertson, Joe W., West Hollywood, Calif., assignor to Technical Oil Tool Corporation, Ltd. Sealing device. 2,235,572; Mar. 18.
Curry, George L., Pawtucket, R. I., and A. N. Smith, Wellsboro, Pa., assignors to Corning Glass Works, Corning, N. Y. Separating glass articles from a ribbon of glass. 2,235,359; Mar. 18.
Curtiss-Wright Corporation. (See McKee, James H., assignor.)
Curtiss-Wright Corporation. (See Molloy, E., and Keller, assignors.)
Curtis, Florence S., Millvillage, Pa. Sealing tool. 2,235,738; Mar. 18.
Cuylen, Otto, assignor to Gebr Eickhoff Maschinenfabrik u Eisengiesserei, Bochum, Germany. Apparatus for mining coal or the like. 2,235,099; Mar. 18.
Czapek, Emil, Berlin, Germany, assignor to Guaranty Trust Company of New York, New York, N. Y. Cellulose sheets and making them. 2,234,964; Mar. 18.
Dadey, Martin W., Oakland, Calif. Locomotive valve operating device. 2,235,204; Mar. 18.
Daly, John C. T., London, England. Collapsible box or carton. 2,235,800; Mar. 18.
Daniels, Lee G., Rockford, Ill. Automatic softener valve. 2,235,287; Mar. 18.
Daniels, Lee G., Rockford, Ill. Valve. 2,235,608; Mar. 18.

Danzer, Catherine, et al., executors. (See Lederer, Anton.)
Davis, George B., Jr., Washington, D. C. Thermostatic flasher lamp. 2,235,360; Mar. 18.
Davis, Roy P. M., Hollywood, Calif. Discharge mechanism for receptacles. 2,235,609; Mar. 18.
Davis, Selby B. (See Sachanen, A. N., and Davis.)
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Double end train. 2,235,205; Mar. 18.
Dean, Walter B., Paris, France, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Connection between roof or other units of railway or other vehicles. 2,235,361; Mar. 18.
Dearborn, Ernest R., Ashland, assignor to E. H. Angier, Framingham, Mass. Roofing. 2,235,758; Mar. 18.
De Lassus Saint Genies, A. H. J., Versailles, France. Method and apparatus for projecting and for copying by projection lenticular films in color or in relief. 2,235,206; Mar. 18.
De Mart, Le Roy S., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower. 2,235,671; Mar. 18.
De Millar, Floyd O., Warwick, R. I., assignor to Elastic Knitted Wire Co. Inc. Method and apparatus for wire forming. 2,235,698; Mar. 18.
De Pew, Chester C., Belleville, N. J., assignor to Wright Aeronautical Corporation. Multiple control. 2,235,013; Mar. 18.
Derman, Harry, Laurelton, Long Island, N. Y. Duplex door cabinet. 2,235,573; Mar. 18.
Derman, Harry, Laurelton, Long Island, N. Y. Top shelf portable closet. 2,235,574; Mar. 18.
Detroit-Michigan Stove Company. (See Herman, Clarence A., assignor.)
Detroit Power Screwdriver Company. (See Bailey, Roy W., assignor.)
Deutsch, George J., Brooklyn, N. Y. Tobacco pipe. 2,235,100; Mar. 18.
Devine, Frank A., Denver, Colo. Sun and glare shield for automobiles. 2,235,421; Mar. 18.
De Vileg, Gerard A., Rockford, Ill. Rotary cutter. 2,234,965; Mar. 18.
Diamond Power Specialty Corporation. (See De Mart, Le Roy S., assignor.)
Dickson, Eleanor A. (See Dickson, Harry B., assignor.)
Dickson, Harry B., assignor of one-half to E. A. Dickson, New York, N. Y. Razor blade receptacle. 2,235,699; Mar. 18.
Dictaphone Corporation. (See Feyrer, William F., assignor.)
Diehl, Carl W., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightning stroke generator. 2,235,399; Mar. 18.
Diehl, Paul H., assignor of one-half to D. M. Carter, Chicago, Ill. Fuel controlling device for internal combustion engines. 2,234,966; Mar. 18.
Diggins, Bartholomew A., and G. B. Gallasch, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Liquid level. 2,235,314; Mar. 18.
Dimgor Corp. (See Gorbatenko, D. L., and Allgoewer, assignors.)
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Railway house car. 2,235,449; Mar. 18.
Ditges, William L., assignor to The Morgan Engineering Company, Alliance, Ohio. Method of and apparatus for handling molds and ingots. 2,235,610; Mar. 18.
Ditto, Incorporated. (See Marchev, Alfred, assignor.)
Dobkin, Oscar, Akron, Ohio. Vehicle windshield wiper. 2,235,493; Mar. 18.
Dodge, Adiel Y., South Bend, Ind. Transmission. 2,235,672; Mar. 18.
Dodge, Adiel Y., South Bend, Ind. Transmission. 2,235,673; Mar. 18.
Doerr, Clyde C. (See Maffei, D. A., and Doerr.)
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Modulator. 2,235,549; Mar. 18.
Dominion Electrical Manufacturing, Inc. (See Barnes, William A., assignor.)
Donald, William P. (See Holdgate, J. C., Koelkebeck, and Donald.)
Donnelly, John C., New York, N. Y. Preservation of coffee. 2,235,315; Mar. 18.
Dow Chemical Company, The. (See Britton, E. C., and Taylor, assignors.)
Dow Chemical Company, The. (See Collings, W. R., Peterson, and Kelly, assignors.)
Dow Chemical Company, The. (See Kelly, Harold C., assignor.)
Dow Chemical Company, The. (See McConnell, Fred I., assignor.)
Dow Chemical Company, The. (See Wiley, Ralph M., assignor.)
Downs, William T. (See Lintern, A. R., Miller, and Downs.)
Dressel, Henry M., assignor to Oak Manufacturing Company, Chicago, Ill. Vibrator. 2,235,316; Mar. 18.
Dreyfus, Henry, London, and R. W. Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of artificial materials. 2,235,141; Mar. 18.
Drum, Harry S., Abington, and W. H. Jaxheimer, and E. E. Saalfrank, assignors to Smith, Drum and Company, Philadelphia, Pa. Vat mounting for a package carrier. 2,235,254; Mar. 18.
Duckstein, Martin, Obermenzing, Munich, assignor to Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany. Lubricating device for aircraft engines. 2,235,422; Mar. 18.
Duggan, James E., Rose City, Mich., assignor to Magnetic Stencil Corporation. Stencilling. 2,235,288; March 18.
Dulsberg, Walther H. (See von Zeppelin, H., and Teichmann, assignors.)
Dunn, Irwin L., H. S. Crooks, and J. O. Lewis, Tulsa, Okla. Stuffing box. 2,235,289; Mar. 18.
Du Pont, E. I., de Nemours & Company. (See Gilbert, Harvey N., assignor.)
Du Pont, E. I., de Nemours & Company. (See Parker, Harold H., assignor.)
Durant, Edward, Cleveland, Ohio, assignor to The National Telephone Supply Company. Connecting device. 2,235,255; Mar. 18.
Durant Manufacturing Co. (See Hennessy, Mark M., assignor.)
Dye, Edward R., Monticello, Ind., deceased; E. F. Dye, executrix. Artificial leg attaching means. 2,235,142; Mar. 18.
Dye, Edith F., executrix. (See Dye, Edward R.)
Eastman Kodak Company. (See Nadeau, G. F., and Malm, assignors.)
Eastman Kodak Company. (See Rahrs, Emil J., assignor.)
Ebert, Joseph, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa. Alkylidene di-sulphanil-amides and making them. 2,235,145; Mar. 18.
Eby, Hugh H., assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Thermionic tube socket. 2,235,207; Mar. 18.
Eby, Hugh H., Inc. (See Eby, Hugh H., assignor.)
Edwards, Thomas, San Francisco, Calif. Cable stripping tool. 2,235,575; Mar. 18.
Eggers, Hans, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Antenna system. 2,235,015; Mar. 18.
Eisele, Karl, Wilhelmshaven, and H. Fahrnschon, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillator-modulator circuit. 2,235,576; Mar. 18.
Ekserdjian, Rupen, Lansdowne, and H. K. Harwick, Darby, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Roll stabilizing device. 2,235,362; Mar. 18.
Elastic Knitted Wire Co. Inc. (See De Millar, Floyd O., assignor.)
Eldred, Frank R., Mount Tabor, and R. N. Reed, Midvale, N. J. Tea extract and producing the same. 2,235,700; Mar. 18.
Electric & Musical Industries Limited. (See White, Eric L. C., assignor.)
Electrolux Corporation. (See Forsberg, Axel A., assignor.)
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Electrolux Corporation. (See Lofgren, G. E., and Ross, assignors.)
Electrolux Corporation. (See Ross, Adrian E., assignor.)
Elliott, Clyde E., and F. Shaven, Chicago, Ill., assignors, by mesne assignments, to said Elliott. Projection device. 2,235,701; Mar. 18.
Elliott, Morris A., Baltimore, Md. Conformation heel. 2,235,256; Mar. 18.
Ellis, George H., and H. C. Olpin, Spondon near Derby, England, assignors to Celanese Corporation of America. Coloration of textile and other materials with anthraquinone dyestuffs. 2,235,208; Mar. 18.
Emery, Richard L. (See Randall, W. H., and Emery.)
Emmert, Kenneth L. (See Hensel, F. R., and Emmert.)
Emmert, Kenneth L. (See Hensel, F. R., Emmert, and Wiggs.)
Endres, Rudolf, Dessau-Rosslau, Germany, assignor, by mesne assignments, to "Patchem A.-G. Zur Beteiligung An Patenten und Sonstigen Erfindungsrechten Auf Chemische Verfahren", Zurich, Switzerland. Refinement of copal oils, resin oils, resin balms, and the like. 2,235,702; Mar. 18.
Enkur, Edward M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Venting means for sealed containers. 2,235,101; Mar. 18.
Entwisle & Kenyon Limited. (See Kenyon, Richard W., assignor.)
Epiphone, Inc. (See Maffei, D. A., and Doerr, assignors.)
Epworth, Renaldo C., Hackensack, N. J. Label for fabrics. 2,235,703; Mar. 18.
Erickson, Robert B., Philadelphia, Pa. Separating tin from lead. 2,235,423; Mar. 18.
Espe, Werner, Berlin-Siemensstadt, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Magnetron. 2,235,517; Mar. 18.
Etablissements Emel S. A. R. L. (See Gagliardi, Pierre, assignor.)

Evans, Llewellyn O., Southgate, London, England. Hand operated fire extinguishing device. 2,235,577; Mar. 18.
Evans Products Company. (See Lintern, A. R., Miller, and Downs, assignors.)
Exline, Marcus P., and K. T. Kayne, assignors of one-third to Z. E. Marvin, Sr., Dallas, Tex. Table. 2,235,290; Mar. 18.
Fabriksaktiebolaget Haldataxametern. (See Ostberg, Karl G., assignor.)
Fahrnschon, Hans. (See Eisele, K., and Fahrnschon.)
Fairbanks, Morse & Co. (See Grutzner, Fritz P., assignor.)
Fancher, Henry R., Chicago, Ill. Match book. 2,235,739; Mar. 18.
Fannin, Raymond B., Denver, Colo. Liquefied gas tank. 2,235,424; Mar. 18.
Farastan Company, The. (See Ebert, Joseph, assignor.)
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Dissector tube. 2,235,477; Mar. 18.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Farrel-Birmingham Company. (See Kuhns, Austin, assignor.)
Federal Telegraph Company. (See Macalpine, William W., assignor.)
Fernekes, Paul. (See Bingham, C. G., Fernekes, and Wanner.)
Feyrer, William F., Norwalk, Conn., assignor to Dictophone Corporation, New York, N. Y. Dictating machine. 2,235,257; Mar. 18.
Fides Gesellschaft fur die Vermaltung und Verwertung von gewerblichen. (See Schlmann, Ernst, assignor.)
Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Espe, Werner, assignor.)
Fielder, Ollie T. and W. E., assignors to Thermo Diffuser Company, Milwaukee, Wis. Diffusing apparatus. 2,235,494; Mar. 18.
Fielder, William E. (See Fielder, Ollie T. and W. E.)
Figenbaum, Karl. (See Gibbs, F. C., and Figenbaum.)
Firestone Tire & Rubber Company, The. (See Koenig, Arthur C., assignor.)
Fischer, Wilbur F., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Making tubular insulation. 2,235,630; Mar. 18.
Fixén, Olof V. (See Thege, E. O. P., and Fixén.)
Fixman, Carl M., Bremerton, Wash., assignor to Laclede-Christy Clay Products Company. Furnace wall structure. 2,235,740; Mar. 18.
Fleener, Charles M., Hammond, Ill. Insulator. 2,235,102; Mar. 18.
Fletcher, Robert P., Jr., Glencoe, assignor to Booth Fisheries Corporation, Chicago, Ill. Freezing and packaging foods. 2,235,209; Mar. 18.
Flexible Road Joint Machine Company. (See Heltzel, Joseph W., assignor.)
Florman, Edwin F. (See Womer, R. L., and Florman.)
Fog Nozzle Company, The. (See Jones, William W., assignor.)
Fonseca, Edward L., Newark, N. J., assignor to The Wilcolater Company, Newark, N. J. Self-compensating thermostatic apparatus. 2,235,210; Mar. 18.
Ford, David O., Petersburg, assignor of one-half to J. M. Hanson, Colonial Heights, Va. Match box support. 2,235,741; Mar. 18.
Ford, Frank J., Worcester, Mass. Knitted padding. 2,235,065; Mar. 18.
Ford, William H., Williamsville, N. Y. Machining curved surfaces. 2,235,578; Mar. 18.
Forsberg, Axel A., Essingen, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,235,674; Mar. 18.
Forte, John, Hazleton, Pa. Window screen catch. 2,235,742; Mar. 18.
Fournier, Augustin J., Taunton, Mass. Dispensive device for sanitary brushes. 2,235,675; Mar. 18.
Fowler, Harlan D., Baltimore, Md. Airplane. 2,235,146; Mar. 18.
Frank, Karl. (See Wolff, Paul H.)
Frank, Samuel K., et al., trustees. (See Ice, James N., assignor.)
Frankel, Edward M., Cedarhurst, Md., assignor to West Virginia Pulp and Paper Company, New York, N. Y. Method of and apparatus for recovery and utilization of sulphur dioxide in sulphite pulp manufacture. 2,235,759; Mar. 18.
Franklin Railway Supply Company. (See Roberts, Montague H., assignor.)
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic core. 2,235,425; Mar. 18.
Frazee, George F., University City, Mo. Shoe holder. 2,235,066; Mar. 18.
Frederick Iron and Steel Company, The. (See Brice, Albert L., assignor.)
Freeman, Benjamin W., and J. G. Herbers, assignors to The Louis G. Freeman Company, Cincinnati, Ohio. Shoe upper shaping machine. 2,235,363; Mar. 18.
Freeman, Louis G., Company, The. (See Freeman, B. W., and Herbers, assignors.)
Frenkel, Gustav A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Variable stroke pump. 2,235,631; Mar. 18.
Fricke, Ernst. (See Köberich, R., and Fricke.)
Friedheim, Ernst A. H., Geneva, Switzerland. Azo dyestuff containing the arseno group and the manufacture of same. 2,235,478; Mar. 18.
Fritschi, Hans. (See Roehm, E. G., and Fritschi.)
Furquet, José, Buenos Aires, Argentina. Cork plug. 2,235,611; Mar. 18.
Fyler, George W., Stratford, Conn., assignor to General Electric Company. Amplifier. 2,235,550; Mar. 18.
G. M. S. Corporation. (See Sloan, Theodore H., assignor.)
Gaertner, Edward C., Terre Haute, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Producing hollow clay tile. 2,235,291; Mar. 18.
Gagliardi, Pierre, assignor to Etablissements Emel S. A. R. L., Paris, France. Apparatus for taking stereoscopic pictures. 2,235,743; Mar. 18.
Gallasch, George B. (See Diggins, B. A., and Gallasch.)
Gardner, Herbert F., assignor to Stein, Hall Manufacturing Company, Chicago, Ill. Offset preventing material. 2,235,676; Mar. 18.
Garman, George W., Scotia, N. Y., assignor to General Electric Company. Electric control system. 2,235,551; Mar. 18.
Garner, Lue O., and F. Montesi, Memphis, Tenn. Dispensing apparatus. 2,235,147; Mar. 18.
Gartrell, Robert D., Oakland, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Making rubber printing plates. 2235,148; Mar. 18.
Garwood, Charles B., Linthicum Heights, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Glass bottle machine. 2,235,103; Mar. 18.
Gebr Eickhoff Maschinenfabrik u Eisengiesserei. (See Cuylen, Otto, assignor.)
Geigy, J. R., A. G. (See Bindler, Jakob, assignor.)
Geiselman, Ralph A., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,235,400; Mar. 18.
Gellman, Israel C. (See Petskeyes, C. H., and Gellman.)
Gellman Manufacturing Company. (See Petskeyes, C. H., and Gellman, assignors.)
Gemenden, John H., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Ventilator. 2,235,211; Mar. 18.
General Aniline & Film Corporation. (See Kumetat, K., and Wilmanns, assignors.)
General Aniline & Film Corporation. (See Miller, Alfred, assignor.)
General Aniline & Film Corporation. (See Strauch Hugo, assignor.)
General Aniline & Film Corporation. (See Wolff, Paul H.)
General Electric Company. (See Andresen, Ernst-Günther, assignor.)
General Electric Company. (See Blowney, Walter E., assignor.)
General Electric Company. (See Bold, Ralph E., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Fyler, George W., assignor.)
General Electric Company. (See Garman, George W., assignor.)
General Electric Company. (See Hull, Clifford O., assignor.)
General Electric Company. (See Köberich, R., and Fricke, assignors.)
General Electric Company, et al. (See Lederer, Anton, assignor.)
General Electric Company. (See Lemmens, H. J., and Smelt, assignors.)
General Electric Company. (See McArthur, Elmer D., assignor.)
General Electric Company. (See Reardon, Robert T., assignor.)
General Electric Company. (See Savage, M. H., and Hitchcock, assignors.)
General Electric Company. (See Schaefer, Edward J., assignor.)
General Electric Company. (See Smith, Arthur R., assignor.)
General Electric Company. (See Thal, Georg, assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric Company. (See Welch, A. U., Jr., and Cederstrom, assignors.)
General Electric Company. (See Westendorp, Willem F., assignor.)
General Electric Company. (See Young, William R., assignor.)
General Motors Corporation. (See Georgiev, Alexander M., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Poole, Lora E., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)

Georgiev, Alexander M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Liquid ammonium acetate. 2,235,067; Mar. 18.

Gerke, Roscoe H., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Mixed polymers of conjugated dienes and unsaturated nitriles. 2,235,149; Mar. 18.

Gerritsma, Girard, Malden, Mass. Mantel clock. 2,235,068; Mar. 18.

Gesellschaft Zur Konstruktion und Verwertung Automatisch-Mechanischer Getriebe m. b. H. (See Kreis, Friedrich, assignor.)

Gessner, David, Worcester, Mass. Rotary finishing press. 2,235,495; Mar. 18.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Steering wheel switch. 2,235,069; Mar. 18.

Gibbs, Frank C., Oak Park, and K. Figenbaum, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,235,150; Mar. 18.

Gibbs, Thomas B., Chicago, Ill. Constant frequency generator. 2,235,317; Mar. 18.

Gier, John R., Jr., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gas generator for heat treating atmospheres. 2,235,401; Mar. 18.

Glern, James B., and A. P. Anholtt, Detroit, Mich. Cylinder construction. 2,235,070; Mar. 18.

Glibert, A. C., Company, The. (See Koch, Paul C., assignor.)

Glibert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of alkali metals. 2,234,067; Mar. 18.

Glibertson, Grant G., Milwaukee, Wis. Sewing machine. 2,235,552; Mar. 18.

Glilen, George A., Bronx, N. Y. Electrical machine. 2,235,151; Mar. 18.

Gillette Safety Razor Company. (See Muros, Joseph, assignor.)

Glimer, Percy M., Roanoke, Va., assignor of forty per cent to W. D. Staples and J. N. Kincanon. Packing ring. 2,235,808; Mar. 18.

Glimer, Percy M., Roanoke, Va., assignor of forty per cent to W. D. Staples and J. N. Kincanon. Packing ring. 2,235,809; Mar. 18.

Globe Slicing Machine Co. Inc. (See Waage, John J., assignor.)

Globe-Wernicke Company, The. (See Hearn, T. A., and Braun, assignors.)

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Matrix and pressure plate attachment for tire molds. 2,235,292; Mar. 18.

Goldman, Maurice A., and J. O. Hunt, Highland Park, N. J., assignors to Chicopee Manufacturing Corporation, Chicopee, Mass. Loom. 2,235,760; Mar. 18.

Goldsmith, William M., Cincinnati, Ohio. Partition structure. 2,235,761; Mar. 18.

Gonzalez, Rafael A., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Method and apparatus for producing low temperatures and for frosting the surfaces of artistic creations. 2,235,071; Mar. 18.

Goodman, Mac, New York, N. Y. Sensitized photographic element and making the same. 2,235,426; Mar. 18.

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Gorbatenko, Dimitri L., and A. J. Allgoewer, assignors to Dimgor Corp., San Francisco, Calif. Taping instrument. 2,235,704; Mar. 18.

Gorse, William F. (See Scott, R. H., Gorse, and Hayward.)

Gorton, George, Machine Co. (See Klema, Harlow, assignor.)

Goshaw, Irl R., Beverly Hills, Calif., assignor to Radio Corporation of America. Microphone control system. 2,235,518; Mar. 18.

Gothaer Waggonfabrik Aktiengesllschaft. (See Meisterhans, Josef, assignor.)

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric iron. 2,235,479; Mar. 18.

Gould, Albert W., Loughman, Fla. Juice extractor. 2,235,744; Mar. 18.

Gould, Albert W., Loughman, Fla. Juice extractor. 2,235,745; Mar. 18.

Gould, Albert W., Loughman, Fla. Juicing machine. 2,235,746; Mar. 18.

Government of the United States, as represented by the Secretary of the Treasury. (See Rosenthal, S. M., and Bauer, assignors.)

Graenacher, Charles, Riehen, F. Ackermann, Binningen, and H. Bruengger, Basel, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Amidelike derivatives and making the same. 2,235,480; Mar. 18.

Graham, John S. W. (See Pearce, O. A., and Graham.)

Gramatzki, Hugh J., Berlin-Zehlendorf, Germany. Afocal camera lens attachment. 2,235,364; Mar. 18.

Graney, Robert W., Cincinnati, Ohio. Valve. 2,235,612; Mar. 18.

Graphic Arts Research Corporation. (See Heinecke, William, assignor.)

Greenly Engineering Models Limited. (See Greenly, Henry, assignor.)

Greenly, Henry, Hounslow, assignor to Greenly Engineering Models Limited, Heston-Hounslow, Middlesex, England. Inductor type electric relay. 2,235,104; Mar. 18.

Greig, James W., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Motor vehicle construction. 2,235,406; Mar. 18.

Greick, William P. M., Baltimore, Md. Brewer's yeast food product and making the same. 2,235,613; Mar. 18.

Greick, William P. M., Baltimore, Md. Brewer's yeast food product and making the same. 2,235,614; Mar. 18.

Gremminger, Ernest H. (See Brock, A. E., and Gremminger.)

Grimes, Thaddeus S., Columbus, Ga., assignor to Lummus Cotton Gin Company. Air intercepting valve means for cotton gins. 2,235,017; Mar. 18.

Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft blank. 2,235,430; Mar. 18.

Grumbt, Alfred, assignor to Henschel & Sohn Gesellschaft mit beschrankter Haftung, Kassel, Germany. Fuel injection valve for internal combustion engines. 2,235,365; Mar. 18.

Grutzner, Fritz P., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Heating and ventilating system. 2,235,152; Mar. 18.

Guarantee Trust Company of New York. (See Czapek, Emil, assignor.)

Gubin, Samuel, Erlton, N. J., assignor to Radio Corporation of America. Amplifier for signal transmission. 2,235,677; Mar. 18.

Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)

Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Speed regulator. 2,235,403; Mar. 18.

Gundel, Louis M. (See Juhl, Arthur, assignor.)

Haas, Lucien L., and G. C. Starkweather, assignors to MacKenzie Muffler Company, Inc., Youngstown, Ohio. Muffler. 2,235,705; Mar. 18.

Haeff, Andrew V., East Orange, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,235,016; Mar. 18.

Hagen, Wolfgang, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric filter arrangement. 2,235,018; Mar. 18.

Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Apparatus for cementing wells. 2,235,318; Mar. 18.

Halliburton Oil Well Cementing Company. (See Halliburton, Erle P., assignor.)

Hamilton, Irvin C. (See Vining, C. R., and Hamilton.)

Hammer, Karl E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting attachment for telephone instruments. 2,235,678; Mar. 18.

Hanson, Joseph M. (See Ford, David O., assignor.)

Hanus, John, Appleton, Wis. Air controlling and regulating device. 2,235,700; Mar. 18.

Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High-speed relay system. 2,235,402; Mar. 18.

Harris, Clifford B., Weehawken, assignor to Condenser Service & Engineering Co., Inc., Hoboken, N. J. Universal drive. 2,235,427; Mar. 18.

Harwick, Henry K. (See Ekserglan, K., and Harwick.)

Haselwood, Willis E., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Switch construction. 2,235,366; Mar. 18.

Hass, Henry B., and G. E. Hinds, assignors to Purdue Research Foundation, West Lafayette, Ind. Producing cyclopropane. 2,235,679; Mar. 18.

Hass, Henry B., West Lafayette, Ind., and G. E. Hinds, Grosse Ile, Mich., assignors to Purdue Research Foundation, West Lafayette, Ind. Synthesis of cyclopropane. 2,235,762; Mar. 18.

Haubach, Ferdinand. (See Klein, H., Sachsse, Hofeditz, and Haubach.)

Hausknecht, Norbert, Brooklyn, N. Y. Wax applicator. 2,235,519; Mar. 18.

Haven, Charles D., and J. J. Hopfield, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing unit and making the same. 2,235,680; Mar. 18.

Haven, Charles D., and J. J. Hopfield, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing unit. 2,235,681; Mar. 18.

Haversack, Frederick W., assignor of one-half to Sacramento Pipe Works, Sacramento, Calif. Pipe-forming machine. 2,235,533; Mar. 18.

Hawley, Thomas G., Jr. (See Teague, M. C., and Hawley.)

Hawley, Thomas G., Jr., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Making elastic ply fabric. 2,235,682; Mar. 18.

Hayden, David H., New Fairfield, Conn. Fireplace. 2,235,428; Mar. 18.

Hayes, Dan M., and D. S. Wolford, assignors to The American Rolling Mill Company, Middletown, Ohio. Art of reducing magnetostrictive effects in magnetic materials. 2,234,968; Mar. 18.

Hayes Steel Products Limited. (See Lawson, Arthur J., assignor.)

Hayward, Arthur S. (See Scott, R. H., Gorse, and Hayward.)

Hazel, Hazel K. (See Collings, David A., assignor.)

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Heacock, Laurence H. (See Bunker, Frank S., assignor.)

Hearn, Thomas A., Ludlow, Ky., and F. F. Braun, Cincinnati, assignors to The Globe-Wernicke Company, Norwood, Ohio. Letter tray. 2,235,709; Mar. 18.

Heaslet, James G., Hudson, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Engine starter crank support and steering assembly. 2,235,707; Mar. 18.

Heausler, Ethel D., New Orleans, La. Bookholder. 2,235,367; Mar. 18.

Hedrick, Clarence E., Newton, Kans. Poultry feeder. 2,235,520; Mar. 18.

Heft, William F., assignor to McAdoo & Allen Welting Company, Quakertown, Pa. Welt for shoes. 2,235,368; Mar. 18.

Heil, Oskar, Ludwigshafen-on-the-Rhine, Germany, assignor to Radio Corporation of America, New York, N. Y. High frequency electron discharge device. 2,235,497; Mar. 18.

Heinecke, William, West Orange, assignor to Graphic Arts Research Corporation, Verona, N. J. Fingerprinting. 2,235,632; Mar. 18.

Heiner, Glen P., Salt Lake City, Utah. Fly book for fishermen. 2,235,369; Mar. 18.

Heltzel, Joseph W., assignor to Flexible Road Joint Machine Company, Warren, Ohio. Adjustable screed. 2,235,105; Mar. 18.

Hemmi Seisakusho Co., The. (See Hirano, Eimei, assignor.)

Hennessy, Mark M., assignor to Durant Manufacturing Co., Milwaukee, Wis. Counter assemblage. 2,235,633; Mar. 18.

Henning, Fritz, Berlin-Siemensstadt, and H. Wüsteney, Berlin-Wilmersdorf, assignors to Siemens & Halske Aktiengesellschaft, Patentabteilung, Verwaltungsgebaude, Berlin-Siemensstadt, Germany. Speed governor. 2,235,481; Mar. 18.

Henrite Products Corporation. (See Henry, R. L., and Loftis, assignors.)

Henry, Ralph L., Detroit, Mich., and H. J. Loftis, assignors to Henrite Products Corporation, Ironton, Ohio. Electrical connection for hermetically sealed units. 2,235,429; Mar. 18.

Henschel & Sohn Gesellschaft mit beschrankter Haftung. (See Grumbt, Alfred, assignor.)

Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Tungsten base contact. 2,234,969; Mar. 18.

Hensel, Franz R., K. L. Emmert, and J. W. Wiggs, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Silver solder. 2,235,634; Mar. 18.

Herbers, Joseph G. (See Freeman, B. W., and Herbers.)

Herlihy, Anne F., New York, N. Y. Educational device. 2,235,801; Mar. 18.

Herman, Clarence A., Grosse Pointe Farms, assignor to Detroit-Michigan Stove Company, Detroit, Mich. Burner structure. 2,235,635; Mar. 18.

Hermson, John H. (See Pierce, H. M., and Hermson.)

Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,235,498; Mar. 18.

Herring, H. Lee, et al. (See Lucius, George P., assignor.)

Herske & Timmis. (See Timmis, William W., assignor.)

Herte, Leonard J., Williston Park, N. Y. Animated figure. 2,235,636; Mar. 18.

Herscovitz, Louis, Park Ridge, N. J., assignor to The Ruberoid Co., New York, N. Y. Asphalt strip shingle. 2,235,212; Mar. 18.

Hewitt, George W. (See Nielsen, R. A., Hewitt, and Wyckoff.)

Hickey, Charles M., New York, N. Y. Fountain comb and brush. 2,235,637; Mar. 18.

Higgins, William H. C., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency indicator. 2,235,521; Mar. 18.

Hill, William H., and D. J. Salley, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of ammonium dithiocarbamate. 2,235,747; Mar. 18.

Hiller, William, Brooklyn, assignor to Julius Kayser & Co., New York, N. Y. Undergarment. 2,235,499; Mar. 18.

Hillman, Paul, Garden City, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,235,482; Mar. 18.

Hinds, George E. (See Hass, H. B., and Hinds.)

Hines, Hazel K. (See Hines, James F., assignor.)

Hines, James F., assignor, by mesne assignments, to H. K. Hines, Lakewood, Ohio. Mold container. 2,235,451; Mar. 18.

Hirano, Eimei, Tokyo, assignor to The Hemmi Seisakusho Co., Shibuyai ku, Tokyo, Japan. Slide rule. 2,235,106; Mar. 18.

Hirche, Willy, Leopoldshain, Germany. Compression refrigerating machine. 2,235,213; Mar. 18.

Hitchcock, Lyman H. (See Savage, M. H., and Hitchcock.)

Hofeditz, Wilhelm. (See Klein, H., Sachsse, Hofeditz, and Haubach.)

Hoffmann, Roy E., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Internal combustion engine and operating the same. 2,235,710; Mar. 18.

Holden, William H. T., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Chain start circuit. 2,235,155; Mar. 18.

Holdgate, John C., C. Koelkebeck, and W. P. Donald, assignors to The Wean Engineering Company, Inc., Warren, Ohio. Sheet coating machine. 2,235,522; Mar. 18.

Hollingshead, R. M., Corporation, The. (See Bagley, Thomas J., assignor.)

Hopfield, John J. (See Haven, C. D., and Hopfield.)

Hopkes, Henry, Grosse Pointe, and A. Mouw, Ann Arbor, assignors to No-Sag Spring Company, Detroit, Mich. Spring construction. 2,235,554; Mar. 18.

Horesi, Anthony C., Downers Grove, Ill., assignor to Corn Products Refining Company, New York, N. Y. Drying process. 2,235,683; Mar. 18.

Hormel, George A. (See Robinson, Robert R., assignor.)

Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device. 2,235,684; Mar. 18.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Suction operated fan. 2,235,763; Mar. 18.

Hotchkiss, C. W., et al. (See Bozeman, John F., assignor.)

Howenstine, Charles C. (See Ortegren, H. A., and Howenstine.)

Hromatka, Otto. (See Wolfes, O., and Hromatka.)

Hromatka, Otto, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J. Preparing derivatives of pyrimidine. 2,235,638; Mar. 18.

Hubbard and Company. (See Kruse, John F. W., assignor.)

Hubbard, Karl H. (See Mason, H. L., and Hubbard.)

Hudson Motor Car Company. (See Greig, James W., assignor.)

Huffaker, John E., Bloomington, Ill. Game board. 2,235,615; Mar. 18.

Huffman, Clyde C. (See Shanahan, G. D., Huffman, and Warnke.)

Hukill, William V., Arlington, Va., dedicated to the free use of the People in the Territory of the United States. Drying grain. 2,235,748; Mar. 18.

Hull, Clifford O., Stratford, Conn., assignor to General Electric Company. Electric cord. 2,235,523; Mar. 18.

Humphreys, Ferdinand F. (See Wheelock, J. H., and Humphreys.)

Hunt, John O. (See Goldman, M. A., and Hunt.)

Hydraulic Brake Company. (See Loweke, Aaron A., assignor.)

Hygeia Filtering Corporation. (See Schwartz, Nathan, assignor.)

Hynes, Grace H. (See Hynes, Lee P., assignor.)

Hynes, Lee P., assignor to G. H. Hynes, Haddonfield, N. J. Heater. 2,235,764; Mar. 18.

I. G. Farbenindustrie Aktiengesellschaft. (See Klein, H., Sachsse, Hofeditz, and Haubach, assignors.)

Ice, James N., Martins Ferry, Ohio, assignor to a trusteeship composed of himself, A. Best, and S. K. Frank, Wheeling, W. Va. Apparatus for connecting conduit sections. 2,235,616; Mar. 18.

Imperial Chemical Industries Limited. (See Campbell, Bryce, assignor.)

Imperial Chemical Industries Limited. (See Walmesley, Robert A., assignor.)

Imperial Chemical Industries Limited. (See Williams, Vernon H., assignor.)

Imperial Chemical Industries. (See Walmesley, Robert A., assignor.)

Indiana Brass Company, The. (See Park, Elsto D., assignor.)

Ingersoll-Rand Company. (See Bancel, P. A., and Kirgan, assignors.)

Ingersoll-Rand Company. (See Hornschuch, Hanns, assignor.)

International Nickel Company, The. (See Bieber, C. G., and Buck, assignors.)

International Silver Company. (See Shaw, John D., assignor.)

Irving, Philip L., and E. P. Kunkel, assignors to Mueller Brass Co., Port Huron, Mich. Apparatus for producing return bend fittings. 2,235,072; Mar. 18.

Jacobs, Marion C., La Porte City, Iowa. Rodent trap. 2,235,483; Mar. 18.

Jandasek, Joseph, Cicero, Ill. Electrically controlled fluid transmission. 2,235,370; Mar. 18.

Jaxheimer, William H. (See Drum, H. S., Jaxheimer, and Saalfrank.)

Jencick, Stephen, Chagrin Falls, Ohio Starting pinion. 2,235,430; Mar. 18.

Jenkins, Alexander F., Baltimore, Md. Spraying device. 2,235,708; Mar. 18.

Jésus, Henri L. L., Boulogne-sur-Seine, France. Machine for folding flat linen and the like. 2,235,484; Mar. 18.

Jobe, Frederick W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Slit lamp. 2,235,319; Mar. 18.

Johannson, Helmuth, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Temperature compensating device. 2,235,019; Mar. 18.

Johns-Manville Corporation. (See Fischer, Wilbur F., assignor.)
Johnson & Bassett, Inc. (See Anderson, A. F., and Carle, assignors.)
Johnson, Calvin D. (See Birger, M. H., and Johnson.)
Johnson, George T., Columbus, Ohio, J. G. Bower, New York, N. Y., and H. W. Stertzbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car truck. 2,235,214; Mar. 18.
Johnston, William B. (See Bradley, T. F., and Johnston.)
Jones, Arthur J., Iron Mountain, Mich. Reduction of metallic oxides. 2,235,154; Mar. 18.
Jones, David C., San Francisco, Calif. Electrical connector. 2,235,020; Mar. 18.
Jones, Howard B., Evanston, Ill. Plug and socket. 2,235,153; Mar. 18.
Jones, W. A., Foundry & Machine Co. (See Jones, Warren G., Jr., assignor.)
Jones, Warren G., Jr., River Forest, assignor to W. A. Jones Foundry & Machine Co., Chicago, Ill. Gear speed reducer and the like. 2,235,485; Mar. 18.
Jones, William W., Glendale, assignor to The Fog Nozzle Co., Los Angeles, Calif. Fire extinguishing nozzle. 2,235,258; Mar. 18.
Jonker, Johan L. H. (See Alma, G. H. P., and Jonker.)
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Variable capacity pump. 2,235,579; Mar. 18.
Juhl, Arthur, assignor of one-half to L. M. Gundel, Chicago, Ill. Insurance form. 2,235,259; Mar. 18.
Junga, Georg, Berlin-Lichtenberg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Carrier frequency telegraph system. 2,235,021; Mar. 18.
Junghans, Helmut, Schramberg-Sulgen, Eckenhof, Germany. Alarm clock. 2,235,580; Mar. 18.
Jyrkas, John P., Fergus Falls, Minn. Fish landing device. 2,235,371; Mar. 18.
Kalbitz, Otto, Finkenkrug, near Berlin, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Receiver headband. 2,235,372; Mar. 18.
Kalweit, Edward, South Ozone Park, assignor, by mesne assignments, to Lapin Products, Inc., New York, N. Y. Manufacture of slide fasteners. 2,235,373; Mar. 18.
Katcher, Morris, New York, N. Y. Thrust ball bearing. 2,235,431; Mar. 18.
Kayne, Karl T. (See Exline, M. P., and Kayne.)
Kayser, Julius, & Co. (See Hiller, William, assignor.)
Kehl, Robert J., Manhasset, N. Y., assignor to Oxweld Acetylene Company. Blowpipe. 2,235,433; Mar. 18.
Keller, William C. (See Molloy, E., and Keller.)
Kellogg, Ray E., Lakewood, N. Y. Portable power-driven screw driver. 2,235,374; Mar. 18.
Kelly, Harold C. (See Collings, W. R., Peterson, and Kelly.)
Kelly, Harold C., assignor to The Dow Chemical Company, Midland, Mich. Greaseproofing with low ethoxy ethyl cellulose. 2,235,765; Mar. 18.
Kelly, Paul B., Prineville, Oreg. Logging yarder. 2,235,215; Mar. 18.
Kelso, John W., East McKeesport, Pa., assignor to National Tube Company. Cooling piercing points of tube rolling mills. 2,234,971; Mar. 18.
Kemmerer, Ralph R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,235,156; Mar. 18.
Kenyon, Richard W., assignor to Entwisle & Kenyon Limited, Accrington, England. Carpet sweeper. 2,235,432; Mar. 18.
Kesselring, Fritz, Berlin-Frohnau, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,235,074; Mar. 18.
Kice, Murray S., Jr., assignor to American Blower Corporation, Detroit, Mich. High speed inlet vane. 2,235,260; Mar. 18.
Kilgore, Lee A. (See Cox, J. H., and Kilgore.)
Kilner, Louis, assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Raisin stemming apparatus. 2,235,320; Mar. 18.
Kimball, Albert W., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Generator and power plant therefor. 2,235,075; Mar 18.
Kincaid, Marshall N., West Hartford, Conn., assignor to The Billings & Spencer Company. Wrench. 2,235,434; Mar. 18.
Kincanon, James N., et al. (See Gilmer, Percy M., assignor.)
Kindseth, Harold V. (See Belcher, D., and Kindseth.)
King, Thomas I., Menlo Park, Calif. Cleaning device. 2,235,581; Mar. 18.
Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Company, as trustee, Cleveland, Ohio. Washing machine. 2,235,432; Mar. 18.
Kirgan, John. (See Bancel, P. A., and Girgan.)
Kirmes, Erich, London, England. Bottle cap. 2,235,453; Mar. 18.
Kitchen, Francis A., Cleveland, Ohio. Heating and ventilating apparatus. 2,235,500; Mar. 18.
Klein, Charles H., Cleveland, Ohio, assignor to The National Telephone Supply Company. Metal cable hanger. 2,235,685; Mar. 18.
Klein, Hans, H. Sachsse, and W. Hofeditz, Mannheim, and F. Haubach, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetylene. 2,235,749; Mar. 18.
Klema, Harlow, assignor, by mesne assignments, to George Gorton Machine Co., Racine, Wis. Discharge nozzle holder for machine tools. 2,235,582; Mar. 18.
Klinzing, August, Milwaukee, Wis. Crematory urn. 2,235,617; Mar. 18.
Knaack, Rudolph F., Brunswick, assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Thermal alarm. 2,235,766; Mar. 18.
Köberlich, Rudolf, Berlin-Karlshorst, and E. Fricke, Berlin-Pankow, Germany, assignors to General Electric Company. Device for the remote readjustment of rotary members. 2,235,216; Mar. 18.
Koch, Fred C., assignor to The Winkler-Koch Patent Company, Wichita, Kans. Resolution of oil and water emulsions. 2,235,639; Mar. 18.
Koch, Paul F., Oak Park, Ill., assignor to Chicago Die Casting Manufacturing Company. Ice crushing machine. 2,235,217; Mar. 18.
Koch, Paul C., assignor to The A. C. Gilbert Company, New Haven, Conn. Horizontally floating car coupler. 2,235,535; Mar. 18.
Koelkebeck, Carl. (See Holdgate, J. C., Koelkebeck, and Donald.)
Koenig, Arthur C., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Diffusion apparatus. 2,235,218; Mar. 18.
Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Self-locking setscrew. 2,235,435; Mar. 18.
Komroff, Paul, New Rochelle, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Air conditioning apparatus. 2,235,022; Mar. 18.
Komroff, Paul, New Rochelle, and R. D. Lambert, assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Air conditioning apparatus. 2,235,023; Mar. 18.
Kopp, Walter R., New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Flashlight. 2,235,024; Mar. 18.
Kopp, Walter R., assignor to Western Cartridge Company, New Haven, Conn. Flashlight. 2,235,025; Mar. 18.
Koropchak, Vladimir, Kearny, N. J. Refrigerator cabinet door construction. 2,235,454; Mar. 18.
Kousin, Harry, assignor, by mesne assignments, to Universal Development Corporation, New York, N. Y. Watchcase. 2,235,157; Mar. 18.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 2,235,375; Mar. 18.
Krause, August L. (See Mathewson, M. L., and Krause.)
Kreis, Friedrich, Berlin-Lichterfelde, assignor to Gesellschaft Zur Konstruktion und Verwertung Automatisch-Mechanischer Getriebe M. b H., Berlin-Oberschoneweide, Germany. Centrifugal clutch. 2,235,107; Mar. 18.
Krell, Joseph, Berlin-Zehlendorf, Germany. Addressing printing plate with exchangeable riders. 2,235,376; Mar. 18.
Krenzke, John G., assignor to D. M. Stevenson, C. S. Logan, C. S. Rathjen, and W. A. Stevenson, La Porte, Ind., doing business as Stevenson Mfg. Co. Vibrator. 2,235,158; Mar. 18.
Kresge, Harry L., New York, N. Y. Electrode connection for electric signs. 2,235,640; Mar. 18.
Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Furnace control. 2,235,219; Mar. 18.
Kronquest, Alfred L., and O. A. Schmitt, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Machine for vacuumizing and crown capping containers. 2,235,583; Mar. 18.
Krueger, Henry A., Spokane, Wash. Window shutter. 2,235,220; Mar. 18.
Kruinm, Thomas F., Toledo, Ohio. Camber and caster gauge. 2,235,321; Mar. 18.
Kruse, John F. W., Oakmont, Pa., assignor to Hubbard and Company. Track chisel and treating same. 2,235,026; Mar. 18.
Kuhl, Charles C., South Bend, Ind. Dispensing machine escapement mechanism. 2,235,641; Mar. 18.
Kuhns, Austin, assignor to Farrel-Birmingham Company, Incorporated, Buffalo, N. Y. Slip coupling drive assembly. 2,235,501; Mar. 18.
Kumetat, Karl, and G. Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic sensitizer. 2,235,027; Mar. 18.
Kunkel, Erhart P. (See Irving, P. L., and Kunkel.)
Kurz-Kasch, Inc. (See Bauman, Joseph J., assignor.)
L. G. S. Spring Clutches, Incorporated. (See Starkey, William C., assignor.)
Labbe, Armand L., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Method and apparatus for sintering. 2,235,261; Mar. 18.
Laclede-Christy Clay Products Company. (See Fixman, Carl M., assignor.)
La France Industries. (See Sudell, Frank, assignor.)
Lahr, Nicholas F., assignor to Cooper, Wells & Co., St. Joseph, Mich. Knitting method. 2,235,455; Mar. 18.

Lake, Charles W., Skaneateles, assignor to American Locomotive Company, New York, N. Y. Valve. 2,235,456; Mar. 18.
Lambert, Robert D. (See Komroff, P., and Lambert.)
Lance, Dotry W., Malbern, Ark., assignor of two-thirds to S. P. Rakestraw, La Grange, Ga. Method and apparatus for treating yarn. 2,235,221; Mar. 18.
Landry, Howard. (See Porcelli, Patrick.)
Lane, Frank, et al. (See Cislak, Frank, assignor.)
Lapin Products, Inc. (See Kalweit, Edward, assignor.)
Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Car coupler. 2,235,618; Mar. 18.
Laub, Stanley V., Detroit, Mich. Medical appliance. 2,235,436; Mar. 18.
Lauterbach, John, Philadelphia, Pa., assignor to Owens-Illinois Glass Company. Mold charging mechanism. 2,235,222; Mar. 18.
Lawrance, Charles L., New York, N. Y., assignor to Lawrance Engineering and Research Corporation, Linden, N. J. Connecting rod structure for engines. 2,235,486; Mar. 18.
Lawrance Engineering and Research Corporation. (See Lawrance, Charles L., assignor.)
Lawson, Arthur J., assignor to Hayes Steel Products Limited, Merritton, Ontario, Canada. Manufacturing pole climbers. 2,235,437; Mar. 18.
Laxo, Ed, Riverside, Ill., assignor to Owens-Illinois Can Company. Grain breaker. 2,235,377; Mar. 18.
Le Blond, R. K., Machine Tool Company, The. (See Greene, Willard L., assignor.)
Lederer, Anton, deceased, Vienna, Austria; C. Danzer and G. C. Randa, executors, assignors, by mesne assignments of three-fourths to General Electric Company, and one-fourth to Westinghouse Electric & Manufacturing Company. Electric discharge lamp. 2,235,711; Mar. 18.
Lee, Harley C., Columbus, assignor to Basic Dolomite, Inc., Cleveland, Ohio. Calcium ferrite preparation. 2,235,556; Mar. 18.
Lehr, Michael, assignor of one-half to N. Lehr, Leicester, N. Y. Bottle crushing apparatus. 2,235,712; Mar. 18.
Lehr, Norman. (See Lehr, Michael, assignor.)
Leifer, Alfred. (See Schilgen, F., and Leifer.)
Leistensnider, George P., West Englewood, N. J., assignor to Metalastic Manufacturing Corporation. Lubricated packing. 2,235,458; Mar. 18.
Leistner, Erich, Heidenau in Saxony, Germany. Automatic turret lathe. 2,235,073; Mar. 18.
Lemaigre-Voreaux, Pierre, Paris, France. Luminescent substance for electric discharge vessels. 2,235,802; Mar. 18.
Lemmens, Hendricus J., and J. A. M. Smelt, Eindhoven, Netherlands, assignors to General Electric Company. Electric incandescent lamp. 2,235,713; Mar. 18.
Lennan, William M., Pasadena, Calif. Flashlight. 2,235,714; Mar. 18.
Lennan, William M., Pasadena, Calif. Flashlight. 2,234,972; Mar. 18.
Lentz, Hugo, Berlin, Germany. Valve distribution for piston steam engines, especially locomotive steam engines and the like with revolving reversing shafts. 2,235,223; Mar. 18.
Lentz, John A., Jr. (See Lentz, John A., assignor.)
Lentz, John A., assignor to J. A. Lentz, Jr., Phoenix, Ariz. Dental articulator. 2,235,524; Mar. 18.
Leo, Herbert T., C. C. Taylor, and J. W. Lindsey, assignors to Mutual Citrus Products Co., Inc., Anaheim, Calif. Expressing fruit juices. 2,235,028; Mar. 18.
Leppke, Louis A., Omaha, Nebr. Serving device. 2,235,502; Mar. 18.
Levinson, Nathan, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Sound film editing device. 2,235,029; Mar. 18.
Lewis, Dartrey, Boston, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Boiler feeding apparatus. 2,235,557; Mar. 18.
Lewis, James O. (See Dunn, I. L., Crooks, and Lewis.)
Libbey Glass Company. (See Vinning, C. R., and Hamilton, assignors.)
Libbey-Owens-Ford Glass Company. (See Haven, C. D., and Hopfield, assignors.)
Libbey-Owens-Ford Glass Company. (See Putnam, Erle T., assignor.)
Lindsey, John W. (See Leo, H. T., Taylor, and Lindsey.)
Link-Belt Company. (See Weiss, Charles R., assignor.)
Linotype and Machinery Limited. (See Scott, R. H., Gorse, and Hayward, assignors.)
Lintern, Alfred R., P. J. Miller, and W. T. Downs, assignors to Evans Products Company, Detroit, Mich. Vehicle ventilating and heating apparatus. 2,235,642; Mar. 18.
Lion, Harold S., Cincinnati, Ohio. Assist cord structure. 2,235,439; Mar. 18.
Litter, Ferdinand J., New York, N. Y. Excavating bucket. 2,235,159; Mar. 18.
Livingston, John W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,235,525; Mar. 18.
Ljungström, Fredrik, Stockholm, assignor to Aktiebolaget Bolinder-Munktell, Eskilstuna, Sweden. Piston machine with crankshaft. 2,235,160; Mar. 18.
Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,235,224; Mar. 18.
Lofgren, Gustaf E., Riverside, and A. E. Ross, Stamford, Conn., assignors to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,235,226; Mar. 18.
Loftis, Homer J. (See Henry, R. L., and Loftis.)
Logan, Carrie S., et al. (See Krenzke, John G., assignor.)
L'Orange, Prosper, deceased, Stuttgart-Fuerbach, Germany; R. L'Orange, executor. Adjusting device for rotary piston pumps. 2,235,584; Mar. 18.
L'Orange, Rudolf, executor. (See L'Orange, Prosper, assignor.)
Lorenz, C., Aktiengesellschaft. (See Arends, Menso, assignor.)
Lorenz, C., Aktiengesellschaft. (See Eggers, Hans, assignor.)
Lorenz, C., Aktiengesellschaft. (See Hagen, Wolfgang, assignor.)
Lorenz, C., Aktiengesellschaft. (See Johannson, Helmuth, assignor.)
Lorenz, C., Aktiengesellschaft. (See Penner, Hans, assignor.)
Lorenz, C., Aktiengesellschaft. (See von Ottenthal, Rudolf, assignor.)
Lorenz, C., Aktiengesellschaft. (See Wiessner, Alfred, assignor.)
Lorimor, John, Imogene, Iowa. Driving axle and wheel hub assembly. 2,235,457; Mar. 18.
Lose, Charles, Jr., Cranford, N. J. Filter bed cleaning. 2,235,227; Mar. 18.
Loweke, Aaron A., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,235,715; Mar. 18.
Lucas, Harry T., Roanoke, Va., assignor to The Union Switch & Signal Company, Swissvale, Pa. Key holder. 2,235,526; Mar. 18.
Luclus, George P., assignor of two-fifths to J. C. Twiner and one-fifth to H. Lee Herring, Ruleville, Miss. Air pressure indicating apparatus for pneumatic tires. 2,235,716; Mar. 18.
Luck, David G. C., Oaklyn, N. J., assignor to Radio Corporation of America. Magnetron tube. 2,235,767; Mar. 18.
Luck, David G. C., Oaklyn, N. J., assignor to Radio Corporation of America. Radio remote control. 2,235,768; Mar. 18.
Lucker, Millard B., assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich. Lifting jack. 2,234,970; Mar. 18.
Luke, Thomas C., and A. Mariotti, McComas, W. Va., assignors of one-fourth to C. Mariotti. Safety device for blasting cables. 2235,585; Mar. 18.
Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)
Lutz, Hans, Berlin-Charlottenburg, Germany, Motor tractor with gas producer mounted thereon. 2,235,228; Mar. 18.
Lytton, Thomas S., assignor of one-half to B. F. Austin, Gastonia, N. C. Waxing attachment. 2,235,229; Mar. 18.
M and M Wood Working Company. (See Cone, Charles N., assignor.)
M and M Wood Working Company. (See Malarkey, James A., assignor.)
Macalpine, William W., East Orange, assignor to Federal Telegraph Company, Newark, N. J. Automatic signal responsive device. 2,235,804; Mar. 18.
Mackert, Carl, St. Anthony, Idaho. Molding apparatus. 2,235,440; Mar. 18.
MacClatchie Manufacturing Company. (See Atkinson, Stanley H., assignor.)
MacIntosh, Charles S. (See Becker, W. E., and MacIntosh.)
MacKenzie Muffler Company. (See Haas, L. L., and Starkweather, assignors.)
Macolite Company, The. (See McElroy, Lewis A., assignor.)
Madigan, Clair, assignor of one-half to G. Anderson, San Francisco, Calif. Clothesline support. 2,235,458; Mar. 18.
Maffei, Dominick A., Bayside, and C. C. Doerr, Forest Hills, assignors to Epiphone, Inc., New York, N. Y. Stringed musical instrument. 2,235,717; Mar. 18.
Maffei, Dominick A., Bayside, and C. C. Doerr, Forest Hills, assignors to Epiphone, Inc., New York, N. Y. Stringed musical instrument. 2,235,718; Mar. 18.
Magdeburger Werkzeugmaschinenfabrik G. m. b. H. (See Möblus, Walter, assignor.)
Magnesium Development Corporation. (See Altwicker, Hubert, assignor.)
Magnetic Stencil Corporation. (See Duggan, James E., assignor.)
Malarkey, James A., assignor to M and M Wood Working Company, Portland, Oreg. Plywood tiling. 2,235,230; Mar. 18.
Mallory, P. R., & Co. (See Hensel, F. R., and Emmert, assignors.)
Mallory, P. R., & Co. (See Hensel, F. R., Emmert, and Wiggs, assignors.)
Malm, Carl J. (See Nadeau, G. F., and Malm.)
Manggaard, Jens P. J., Tenino, Wash. Egg cleaning machine. 2,235,404; Mar. 18.
Manion, Daniel F., Jr. (See Sabatt, C., and Manion.)
Manning, Maxwell & Moore, Incorporated. (See Lewis, Dartrey, assignor.)
Marchev, Alfred, La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,234,973; Mar. 18.

Mariotti, Albert. (See Luke, T. C., and Mariotti.)
Mariotti, Carl. (See Luke, T. C., and Mariotti, assignors.)
Markey, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Grip nut. 2,235,405; Mar. 18.
Marshall, William B., assignor to Chain Belt Company, Milwaukee, Wis. Method of and apparatus for removing inorganic solids from liquids. 2,235,459; Mar. 18.
Martin, Henry A., assignor to J. F. Pritchard & Company, Kansas City, Mo. Air drying. 2,235,322; Mar. 18.
Martin, James V., Garden City, N. Y. Tire and wheel combination. 2,235,378; Mar. 18.
Marsh, Delos E., Los Angeles, Calif. Impulse clutch. 2,235,379; Mar. 18.
Marvin, Z. E., Sr. (See Exline, M. P., and Kayne, assignors.)
Maskulka, Joseph M., and S. Zdelar, Youngstown, Ohio. Paring tool. 2,235,323; Mar. 18.
Mason, Henry L., and K. H. Hubbard, assignors to Taylor Instrument Companies, Rochester, N. Y. Sphygmomanometer cuff or the like. 2,235,030; Mar. 18.
Master Electric Company, The. (See Berger, Arthur F., assignor.)
Matala, Demetrius, Melrose, N. Y. Vise for pipe threading machines. 2,235,108; Mar. 18.
Matarese, Lawrence, Brooklyn, N. Y. Cargo loading and unloading apparatus. 2,235,719; Mar. 18.
Matarese, Lawrence, Brooklyn, N. Y. Cargo loading and unloading platform. 2,235,720; Mar. 18.
Mathewson Maxwell L., and A. L. Krause, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Grinding machine. 2,235,558; Mar. 18.
Mattern, Raymond P., assignor to Minnestota-Honeywell Regulator Company, Minneapolis, Minn. Electrical resistance. 2,235,769; Mar. 18.
Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)
Mattis, Michael A., Shamokin, Pa. Electrical connector. 2,235,231; Mar. 18.
Max, Nicholaas. (See van Peski, A. J., Max, van Melsen, and Stedehouder.)
Mayer, Andrew, Brooklyn, assignor to National Lead Company, New York, N. Y. Manufacture of compositions of lead oxide (PbO) and finely divided metallic lead. 2,235,487; Mar. 18.
Mayer, Carl F., Lakewood, Ohio. Rod baking method and means. 2,235,559; Mar. 18.
McAdoo & Allen Welting Company. (See Heft, William F., assignor.)
McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Polyphase generator for ultra short wave lengths. 2,235,527; Mar. 18.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,235,528; Mar. 18.
McCartney, Catherine T., Fort Worth, Tex. Couch. 2,235,529; Mar. 18.
McConnell, Fred L., Midland, Tex., assignor to The Dow Chemical Company, Midland, Mich. Determining the volume of a lower uncased portion of a well. 2,235,770; Mar. 18.
McCormick, Harold V., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Elevator door operator. 2,235,380; Mar. 18.
McCormick, Harold V., Westfield, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Door operating system for elevators. 2,235,381; Mar. 18.
McDanal, Michael R., Denver, Colo. Spectacle mounting. 2,235,406; Mar. 18.
McDermott, George R., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Continuous heating furnace. 2,235,771; Mar. 18.
McElroy, Lewis A., Erie, assignor to The Macolite Company, Millcreek Township, Erie County, Pa. Metal alloy. 2,235,232; Mar. 18.
McFall, Thurlow E. (See Norton, O. G., and McFall.)
McGowan, Kenneth J. J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,235,031; Mar. 18.
McGrath, William L., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Starter gearing. 2,235,076; Mar. 18.
McGregor, Thomas A. (See Saunders, W. S., and McGregor.)
McGrew, John A., Albany, N. Y. Lock washer. 2,235,233; Mar. 18.
McKee, James H., Pittsburgh, Pa., assignor, by mesne assignments, to Curtiss-Wright Corporation, New York, N. Y. Making aircraft propeller blades. 2,235,032; Mar. 18.
McMahan, Eddy E., and A. Charlebois, Los Angeles, Calif. Mechanical poultry picker. 2,235,619; Mar. 18.
McMullen, John C., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory composition. 2,235,077; Mar. 18.
Meisterhans, Josef, assignor to Gothaer Waggonfabrik Aktiengesellschaft, Gotha, Germany. Nut and screw fastening. 2,235,078; Mar. 18.
Mellon, Thelma J., Kansas City, Mo. Basket lining. 2,235,293; Mar. 18.
Mercer, Claude H., Whittier, Calif. Securing means. 2,235,530; Mar. 18.
Mercier, Jean, Neuilly-sur-Seine, France. Shock-absorbing device. 2,235,488; Mar. 18.
Merck & Co., Inc. (See Hromatka, Otto, assignor.)
Merck & Co. Inc. (See Wolfes, O., and Hromatka, assignors.)
Mergenthaler Linotype Company. (See Hilpman, Paul, assignor.)
Mestre, Louis N., assignor to Anciens Etablissements Barbier, Benard & Turenne, Paris, France. Apparatus for microscopic projection. 2,235,460; Mar. 18.
Metalastic Manufacturing Corporation. (See Leistensnider, George P., assignor.)
Meyer, Eugene, & Co. (See Becker, W. E., and MacIntosh, assignors.)
Miller, Alfred, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Combined sound and color picture film. 2,235,033; Mar. 18.
Miller, Francis J., administrator. (See Rogers, Kenneth S., assignor.)
Miller, James B., Webster Groves, assignor to Mines Equipment Company, St. Louis, Mo. Cable release. 2,235,262; Mar. 18.
Miller, James M., Klowa, Kan. Heat scatterer. 2,235,461; Mar. 18.
Miller, Peter J. (See Lintern, A. R., Miller, and Downs.)
Miller, Stephan, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switch housing. 2,235,382; Mar. 18.
Milprint, Inc. (See Wohlers, Philip, assignor.)
Mines Equipment Company. (See Miller, James B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Gibbs, F. C., and Figenbaum, assignors.)
Minneapolis-Honeywell Regulator Company. (See Mattern, Raymond P., assignor.)
Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)
Minneapolis-Honeywell Regulator Company. (See Van Dusen, George C., Jr., assignor.)
Mitter, Paul A. (See Wohlfarth, R. M., and Mitter.)
Möbius, Walter, assignor to Magdeburger Werkzeugmaschinenfabrik G. m. b. H., Magdeburg-Neustadt, Germany. Turning lathe. 2,235,079; Mar. 18.
Möhrle, Artur, Mohringen, and E. Sachs, Korntal, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Gas-tight joint between the electrode and the ceramic body. 2,235,325; Mar. 18.
Molloy, Eddie, Ypsilanti, Mich., and W. C. Keller, North Tonawanda, N. Y., assignors to Curtiss-Wright Corporation. Reaching gear. 2,235,034; Mar. 18.
Moncrieff, Robert W. (See Dreyfus, H., and Moncrieff.)
Moncrieff, Robert W., Spondon, near Derby, England, assignor to Celanese Corporation of America. Stripping dyes. 2,235,234; Mar. 18.
Monteal, Fred. (See Garner, L. O., and Monteal.)
Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Interrupter. 2,235,560; Mar. 18.
Moore Fabric Company. (See Moore, John V., assignor.)
Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Curvilinear collar liner. 2,235,294; Mar. 18.
Moreland, Stephen T., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Preheating moldable materials. 2,235,324; Mar. 18.
Morey, Willis R., Arlington, Va. Mirror light. 2,235,109; Mar. 18.
Morgan, Benjamin F., Buffalo, N. Y. Window frame with built-in screen. 2,235,295; Mar. 18.
Morgan Engineering Company, The. (See Ditgos, William L., assignor.)
Morgan, Howard W., assignor of one-half to The Munising Paper Company, Munising, Mich., and one-fourth to B. L. Trillich, Chicago, Ill. Humidifier valve. 2,235,721; Mar. 18.
Morgan, John S., Jr., Manhattan Beach, Calif., assignor, by mesne assignments, to The National Supply Company, Pittsburgh, Pa. Drawwork. 2,235,080; Mar. 18.
Morris, Darcy D. (See Sutherland, B. P., Shaw, and Morris.)
Morrow, Homer B. (See Walker, G. W., and Morrow.)
Morway, Arnold J., Roselle, and J. C. Zimmer, Hillside, N. J., assignors to Standard Oil Development Company. Lubricant capable of carrying heavy loads. 2,235,161; Mar. 18.
Moser, Wilhelm, and W. Peters, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 2,235,162; Mar. 18.
Mouw, Andrew. (See Hopkes, H., and Mouw.)
Mueller Brass Co. (See Irving, P. L., and Kunkel, assignors.)
Mumma, Harold J., Glendale, assignor to Ahlburg Company, Los Angeles, Calif. Counting apparatus. 2,235,035; Mar. 18.
Muncheryan, Hrand M., Los Angeles, Calif. Electric sterilizer using radiant energy. 2,235,296; Mar. 18.
Munising Paper Company, et al. (See Morgan, Howard W., assignor.)

Muntwyler, Frederic C., Oak Park, assignor to Wire Sales Company, Chicago, Ill. Wire cutting machine. 2,234,976; Mar. 18.
Murdock, Harold R., assignor to The Champion Paper and Fibre Company, Canton, N. C. Manufacture of an improved tall oil. 2,235,462; Mar. 18.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving or cutting device. 2,235,326; Mar. 18.
Murphy, Bob G., Jr., Heath Springs, S. C. Power governor. 2,235,327; Mar. 18.
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Switch. 2,235,772; Mar. 18.
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Switch. 2,235,773; Mar. 18.
Murray, William H., Central Valley, Calif. Radio tuning device. 2,235,722; Mar. 18.
Muskegon Piston Ring Company. (See Norton, O. G., assignor, and McFall.)
Mutual Citrus Products Co. (See Leo, H. T., Taylor, and Lindsey, assignors.)
Myers, Glen, et al. (See Bozeman, John F., assignor.)
Myers, Joseph W., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Adjustable indicator for thermostatically controlled flatirons. 2,235,723; Mar. 18.
Nachman Springfilled Corporation. (See Schob, Anthony J., assignor.)
Nadeau, Gale F., and C. J. Mahn, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of methyl ketene and propionic anhydride. 2,235,561; Mar. 18.
National Lead Company. (See Mayer, Andrew, assignor.)
National Malleable and Steel Castings Company. (See Bazeley, Arthur J., assignor.)
National Supply Company, The. (See Hoffmann, Roy E., assignor.)
National Supply Company, The. (See Morgan, John S., Jr., assignor.)
National Supply Company, The. (See Spalding, John D., assignor.)
National Telephone Supply Company, The. (See Durant, Edward, assignor.)
National Tube Company. (See Kelso, John W., assignor.)
National Telephone Supply Company, The. (See Klein, Charles H., assignor.)
Neeper, Edward R., Colorado Springs, Colo. Safety device for vehicles. 2,235,328; Mar. 18.
Nelson, Eugene R. (See Simpkins, I. W., and Nelson.)
Nelson, Floyd R., assignor to Cotta Transmission Corporation, Rockford, Ill. Belt take-up. 2,235,441; Mar. 18.
Nesmith, Carl A., Los Angeles, Calif. Container. 2,235,263; Mar. 18.
Nessell, Clarence W., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,235,620; Mar. 18.
Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole cementing machine. 2,234,974; Mar. 18.
Newhart, Harry D., San Anselmo, Calif. Motion checking device. 2,234,975; Mar. 18.
New Jersey Machine Corporation. (See von Hoff, George W., assignor.)
Newman, J. Randolph, trustee. (See Auer, Laszlo, assignor.)
Newton, R. Kennedy, and I. C. Prafke, Madison, Wis. Match package. 2,235,724; Mar. 18.
Nicholson, Frank H. (See Allison, L. R. and Nicholson.)
Nicholson, Frank H., and H. W. Bryan, Penn Township, Allegheny County, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,235,037; Mar. 18.
Nielsen, Russell A., and G. W. Hewitt, Wilkinsburg, and P. H. Wyckoff, Avalon, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical precipitator device. 2,235,081; Mar. 18.
Noll, Edward L. (See Seedlock, Frank A., assignor.)
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can weighing machine. 2,235,725; Mar. 18.
Norton, Oliver G., Muskegon, and T. E. McFall, Sparta; said Norton assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring. 2,235,297; Mar. 18.
No-Sag Spring Company. (See Hopkes, H., and Mouw, assignors.)
Oak Manufacturing Company. (See Dressel, Henry M., assignor.)
Ocon, Ernest A., Yonkers, N. Y. Method and apparatus for treating a plurality of heavy hydrocarbon oils for subsequent cracking. 2,235,329; Mar. 18.
O'Donnell, John E., Boston, Mass. Gauge for spindles and the like. 2,235,383; Mar. 18.
Oehlschlager, William A., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,235,036; Mar. 18.
Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
Ohland, Fred H., Gibbon, Minn. Sand pump. 2,234,977; Mar. 18.
Olpin, Henry C. (See Ellis, G. H., and Olpin.)
Olsen, Fredrich, Alton, assignor to Western Cartridge Company, East Alton, Ill. Manufacture of smokeless powder. 2,235,298; Mar. 18.
Ortegren, Herman A., and C. C. Howenstine, assignors to Bower Roller Bearing Company, Detroit, Mich. Machine for assembling roller bearings. 2,235,084; Mar. 18.
Östberg, Karl G., Stockholm, assignor to Fabriksaktiebolagent Haldataxametern, Halmstab, Sweden. Reciprocating motor. 2,235,586; Mar. 18.
Ottley, Frederick J., Bloomfield, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Temperature compensated pressure responsive indicating instrument. 2,235,110; Mar. 18.
Overbeck, Wilcox P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. High-speed relay. 2,234,978; Mar. 18.
Owens-Corning Fiberglas Corporation. (See Bates, Harry C., assignor.)
Owens-Corning Fiberglass Corporation. (See Slayter, G., and Thomas, assignors.)
Owens-Illinois Can Company. (See Laxo, Ed., assignor.)
Owens-Illinois Glass Company. (See Lauterbach, John, assignor.)
Owens-Illinois Glass Company. (See Moreland, Stephen T., assignor.)
Owens-Illinois Glass Company. (See Potoczky, Joseph B., assignor.)
Oxweld Acetylene Company. (See Kehl, Robert J., assignor.)
Pacific Electric Manufacturing Corporation. (See Brock, A. E., and Gremminger, assignors.)
Palace Travel Coach Corporation. (See Archart, David D., assignor.)
Park, Elsto D., assignor to The Indiana Brass Company, Frankfort, Ind. Packless valve structure for toilet tanks. 2,235,299; Mar. 18.
Parker, Harold H., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Article made from rayon. 2,235,082; Mar. 18.
Parker, J. Lloyd. (See Tracey, Harvey E., assignor.)
Parmenter, Frank D., Toronto, Ontario, Canada. Support for concrete forms. 2,235,442; Mar. 18.
Pass, Arthur L., Glen Iris, Victoria, Australia, assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine and operating same. 2,235,726; Mar. 18.
"Patchem A.-G. Zur Beteiligung An Patenten und Sonstigen Erfindungsrechten Auf Chemische Verfahren." (See Endres, Rudolf, assignor.)
Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Yardville, N. J. Rubber composition. 2,235,621; Mar. 18.
Peabody Engineering Corporation. (See Vroom, Robert C., assignor.)
Pearce, Owen A., Barnston, and J. S. W. Graham, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill. Electromagnetic relay. 2,235,038; Mar. 18.
Pearlman, Jack, East Hempstead, Long Island, New York, N. Y. Merchandise handling apparatus. 2,235,727; Mar. 18.
Peebles, Roddie P., Paducah, Ky. Safety clamp. 2,235,587; Mar. 18.
Pelikan, John M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling system. 2,235,039; Mar. 18.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Penner, Hans, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Radio receiving device. 2,235,040; Mar. 18.
People in the Territory of the United States, Dedicated to the free use of the. (See Hukill, William V., assignor.)
Perfection Gear Company. (See Toussaint, Charles F., assignor.)
Peters, Wilhelm. (See Moser, W., and Peters.)
Peterson, Floyd C. (See Collings, W. R., Peterson, and Kelly.)
Petersen Oven Company. (See Cook, John V., assignor.)
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Broad band antenna. 2,235,163; Mar. 18.
Petskeyes, Charles H., Davenport, Iowa, and I. C. Gellman, assignors to Gellman Manufacturing Company, Rock Island, Ill. Wrapping machine. 2,235,503; Mar. 18.
Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Apparatus for inserting and removing shackle pins. 2,235,643; Mar. 18.
Pfeiffer, Paul, Pausitz, Riesa, Germany. Ski fastening device. 2,235,164; Mar. 18.
Pierce, Howard M., and J. H. Hermson, Brooklyn, assignors to A. G. Spalding & Bros. Inc., New York, N. Y. Cleat device. 2,235,774; Mar. 18.
Pistey, George J., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,235,750; Mar. 18.
Plaskon Company. (See Balz, Emil H., assignor.)

Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Printing textile materials containing organic derivatives of cellulose. 2,235,165; Mar. 18.

Plumstead, Joseph E., Wilmington, Del., assignor, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y. Producing paper filler. 2,235,531; Mar. 18.

Pollak Manufacturing Company. (See Markey, Roscoe I., assignor.)

Poole, Lora E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Machine for finishing ends of tubing. 2,235,083; Mar. 18.

Porcelli, Patrick, and H. Landry, Chicago, Ill. Photographic enlarging easel. 2,235,463; Mar. 18.

Porsche, F., Dr. ing h. c., K.-G. (See Buchhart, Josef, assignor.)

Potez, Henry C. A., Meaulte, France. Two stage compression arrangement for aircraft engines. 2,235,588; Mar. 18.

Potoczky, Joseph B., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Feeding mechanism. 2,235,111; Mar. 18.

Potter, Joel S., West Nyack, assignor, by mesne assignments, to Wilputte Coke Oven Corporation, New York, N. Y. Closure for horizontal coking chambers. 2,235,686; Mar. 18.

Power Brake Company. (See Simpkins, I. W., and Nelson, assignors.)

Prafke, Irwin C. (See Newton, R. K., and Prafke.)

Preferred Utilities Company. (See Vidalie, Rene M., assignor.)

Pressed Steel Car Company. (See Blest, M. C., and Abkowitz, assignors.)

Price, Manley R., Lakewood, Ohio. Tool. 2,235,235; Mar. 18.

Pritchard, J. F., & Company. (See Martin, Henry A., assignor.)

Proctor & Schwartz Incorporated. (See Myers, Joseph W., assignor.)

Pugh, Merlin L., Minneapolis, Minn. Battery charger. 2,235,330; Mar. 18.

Pugh, Charles R., Terre Haute, Ind. Artificial bait. 2,235,331; Mar. 18.

Pujol, Albert J., Astoria, assignor to Cartier, Inc., New York, N. Y. Clasp. 2,235,407; Mar. 18.

Pulaski, Sidney S., Milwaukee, Wis. Speed control for vehicles. 2,235,112; Mar. 18.

Purdue Research Foundation. (See Hass, H. B., and Hinds, assignors.)

Putnam, Erle T., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Face block for buildings and making same. 2,235,113; Mar. 18.

Putnam, Erle T., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building block. 2,235,114; Mar. 18.

Putnam, Erle T., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building unit. 2,235,115; Mar. 18.

Pyzel, Robert, assignor to Universal Oil Products Company, Chicago, Ill. Production of gas mixtures for catalyst reactivation. 2,235,166; Mar. 18.

Quade, Fritz. (See Schless, Stefan, assignor.)

Quinn, Ada, Ogden, Utah. Apron. 2,235,332; Mar. 18.

Radeeff, Andrew C., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Elevator door operator. 2,235,384; Mar. 18.

Rader, Jennie C. (See Rader, Lyell M. and J. C.)

Rader, Lyell M., deceased, by J. C. Rader, administratrix, Burlington, N. C., assignor to Chemical Extraction Corporation, Elkton, Ky. Extracting and recovering nicotine and other organic substances from tobacco. 2,235,589; Mar. 18.

Radio Corporation of America. (See Alma, G. H. P., and Jonker, assignors.)

Radio Corporation of America. (See Bakker, A., and van Dutiren, assignors.)

Radio Corporation of America. (See Bell, David A., assignor.)

Radio Corporation of America. (See Blaney, Arthur C., assignor.)

Radio Corporation of America. (See Conklin, J. W., and Serrell, assignors.)

Radio Corporation of America. (See Cramwinckel, Arnaud, assignor.)

Radio Corporation of America. (See Goshaw, Irl R., assignor.)

Radio Corporation of America. (See Gubin, Samuel, assignor.)

Radio Corporation of America. (See Haeff, Andrew V., assignor.)

Radio Corporation of America. (See Heil, Oskar, assignor.)

Radio Corporation of America. (See Herold, Edward W., assignor.)

Radio Corporation of America. (See Luck, David G. C., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Radio Corporation of America. (See Roberts, Walter V. B., assignor.)

Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)

Radio Corporation of America. (See Steers, William F., assignor.)

Rahrs, Emil J., assignor to Eastman Kodak Company, Rochester, N. Y. Producing chlorinated ketones. 2,235,562; Mar. 18.

Rakestraw, Samuel P. (See Lance, Dotry W., assignor.)

Ramey, Michael A., Kansas City, Kans. Corrugated fastener. 2,235,300; Mar. 18.

Ramseter, Paul, Louisville, Ky. Fishing tackle float. 2,235,236; Mar. 18.

Ramspeck, Edwin E., Salt Lake City, Utah. Traffic signal. 2,235,728; Mar. 18.

Randa, General Conrad, et al., executors. (See Lederer, Anton.)

Randall, Walter H., and R. L. Emery, Waterville, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, as trustee. Apparatus for producing molded pulp articles. 2,234,979; Rasmussen, Carl J., Washington, D. C. Radio location finder. 2,234,980; Mar. 18.

Rastetter, William C., Jr., administrator. (See Rastetter, William C.)

Rastetter, William C., Fort Wayne, Ind., deceased; W. C. Rastetter, Jr., administrator. Folding chair. 2,235,775; Mar. 18.

Rath, Werner, Bad Klosterlausnitz, Germany. Ceramic electric insulating body. 2,235,489; Mar. 18.

Rathjen, Carolyn S., et al. (See Krenzke, John G., assignor.)

Rava, Alexander, Jersey City, N. J. Welding method and apparatus. 2,235,385; Mar. 18.

Ray, Evelyn, New York, N. Y. Vanity case. 2,235,687; Mar. 18.

Ray, Frederick, Short Hills, N. J., assignor to Wingfoot Corporation, Wilmington, Del. Testing tire cords. 2,235,622; Mar. 18.

Ray, William A., Glendale, Calif. Air conditioning apparatus. 2,235,116; Mar. 18.

Raytheon Manufacturing Company. (See Coffin, David D., assignor.)

Raytheon Manufacturing Company. (See Overbeck, Wilcox P., assignor.)

Reardon, Robert T., Fort Wayne, Ind., assignor to General Electric Company. Shearing normally brittle sheet metal. 2,235,532; Mar. 18.

Reconstruction Finance Corporation. (See Gaertner, Edward C., assignor.)

Reed & Prince Manufacturing Company. (See Werme, Adolph, assignor.)

Reed, Ray N. (See Eldred, F. R., and Reed.)

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Variable speed drive. 2,235,333; Mar. 18.

Reeves Pulley Company. (See Reeves, Paul B., assignor.)

Refining, Inc. (See Clayton, Benjamin, assignor.)

Reiter, Harold J., Chicago, Ill. Snap fastener. 2,235,167; Mar. 18.

Reiter, Harold J., Chicago, Ill. Snap fastener. 2,235,168; Mar. 18.

Remington Rand Inc. (See Bridgwater, Herbert E., assignor.)

Rennie, Robert F., Little Falls, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ignitron starter. 2,235,504; Mar. 18.

Republic Steel Corporation. (See Adelson, Joseph S., assignor.)

Reyburn, John R., Fairfield, Conn., assignor to American Chain & Cable Company, Inc. Traction chain. 2,235,408; Mar. 18.

Richardson Company, The. (See Barclay, Robert E., assignor.)

Richardson, Edward A., Bethlehem, Pa. Process and apparatus for effecting chemical reactions involving a melt and a gaslike body. 2,235,644; Mar. 18.

Richmond, William E. (See Ames, A. D., and Richmond.)

Ridgway, Herbert N., Winthrop, Mass. Amusement device. 2,235,563; Mar. 18.

Rieff, John G., London, Wis. Pruning implement. 2,235,564; Mar. 18.

Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Vehicle door latch structure. 2,235,117; Mar. 18.

Ripke, August C., Austin, Minn. Rotary air motor. 2,235,118; Mar. 18.

Roberts, Ingham S., Ridley Park, Pa. Measuring cross section of passages. 2,235,533; Mar. 18.

Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive driving box lubricator equipment. 2,235,409; Mar. 18.

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Remote control system. 2,235,169; Mar. 18.

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Tuned circuit system. 2,235,585; Mar. 18.

Robey, Richard F., Roselle, N. J., assignor to Standard Oil Development Company. Concentrating and storing olefins. 2,235,119; Mar. 18.

Robinson, Robert R., Los Angeles, assignor, by mesne assignments, to G. A. Hormel, Beverly Hills, Calif. Automatic sound reproducing machine. 2,235,301; Mar. 18.

Rocke, William, South Bend, Ind. Dual agency washer. 2,235,645; Mar. 18.

Rockwell, Harvey P., Jr., Newark, N. J., assignor to Weston Electrical Instrument Corporation. Apparatus for determining proper exposure in making photographic prints. 2,235,590; Mar. 18.

Roehm, Erwin G., Norwood, and H. Fritschi, Silverton, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine transmission and control mechanism. 2,235,085; Mar. 18.

Roesch, Frank P., Chicago, Ill., assignor to The Standard Stoker Company, Incorporated. Lomotive tender. 2,235,410; Mar. 18.

Rogers, Kenneth S., deceased; F. J. Miller administrator, assignor, by mesne assignments, to L. C. Rogers, Niles, Mich. Mop. 2,235,264; Mar. 18.

Rogers, Levant C. (See Rogers, Kenneth S., assignor.)

Ronning, Adolph, Minneapolis, Minn. Manually propelled vehicle. 2,235,041; Mar. 18.

Ronning, Adolph, Minneapolis, Minn. Hand propelled vehicle. 2,235,042; Mar. 18.

Ronning, Adolph, Minneapolis, Minn. Steerable hand truck. 2,235,043; Mar. 18.

Ronning, Adolph, Minneapolis, Minn. Steerable hand truck. 2,235,044; Mar. 18.

Ronning, Adolph, Minneapolis, Minn. Manually propelled vehicle. 2,235,045; Mar. 18.

Rosaire, E. E. (See Bilinsky, Solomon, assignor.)

Rosenbluth, Edwin M., deceased, Wallingford, Pa.; S. S. Rosenbluth, executrix. Advertising display rack. 2,235,046; Mar. 18.

Rosenbluth, Stella S., executrix. (See Rosenbluth, Edwin M.)

Rosenthal, Sanford M., and H. Bauer, Washington, D. C., assignors to Government of the United States, as represented by the Secretary of the Treasury. Formaldehyde sulphoxylate derivatives of diphenyl-sulphides, -disulphides, -sulphoxides, and -sulphones, and methods of production. 2,234,981; Mar. 18.

Ross, Adrian E. (See Lofgren, G. E., and Ross.)

Ross, Adrian E., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,235,225; Mar. 18.

Ross, Donald S., Moclips, Wash. Flush floor electric outlet. 2,234,982; Mar. 18.

Ross, John. (See Brandt, R. L., and Ross.)

Ross, Lewis D., et al. (See Cislak, Frank, assignor.)

Ross, Walter C., Springfield, assignor to American Tissue Mills, Holyoke, Mass. Dispensing apparatus. 2,235,623; Mar. 18.

Rotary Index Co. (See Bruen, George C., assignor.)

Rouseville Cooperage Company. (See Sabatt, C., and Manion, assignors.)

Ruben, Samuel, New Rochelle, N. Y. Electrostatic condenser. 2,235,566; Mar. 18.

Ruberoid Co., The. (See Herscovitz, Louis, assignor.)

Rueckert, Fred P., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dishwasher construction. 2,235,386; Mar. 18.

Rulier, Ralph D., assignor of one-half to L. Bonin, West Charleston, Vt. Saw set. 2,235,591; Mar. 18.

Rushing, Herschel L., Nashville, Tenn. Railway tie plate. 2,235,776; Mar. 18.

Rushing, Herschel L., Nashville, Tenn. Railway tie plate. 2,235,777; Mar. 18.

Russell, Arthur L., Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Rear part of shoe uppers. 2,235,086; Mar. 18.

Russell, Kenneth L., Nutley, N. J., and A. C. Bell, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Composition of matter and making same. 2,235,534; Mar. 18.

Russell, William E., Cumberland, Md. Rodent trap. 2,234,983; Mar. 18.

Rutherford, Augustus P., Houston, Tex. Duplicating mechanism. 2,235,170; Mar. 18.

Ryan, Byron F., Los Angeles, Calif., assignor to Warner Brothers Pictures, Inc. Microphone support. 2,235,505; Mar. 18.

Saalfrank, Elmer E. (See Drum, H. S., Jaxheimer, and Saalfrank.)

Sabatt, Charles, and D. F. Manion, Jr., Oil City, assignors to Rouseville Cooperage Company, Rouseville, Pa. Closure securing ring. 2,235,567; Mar. 18.

Sachanen, Alexander N., and S. B. Davis, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation process. 2,234,984; Mar. 18.

Sachs, Edgar. (See Möhrle, A., and Sachs.)

Sachsse, Hans. (See Klein, H., Sachsse, Hofeditz, and Haubach.)

Sacramento Pipe Works. (See Haversack, Frederick W., assignor.)

Saksa, Sulo, Troy, N. H. Shoe protector. 2,235,490; Mar. 18.

Salley, Donovan J. (See Hill, W. H., and Salley.)

Samuels, Abe, assignor to Speed-O-Print Corporation, Chicago, Ill. Stencil duplicating machine. 2,235,778; Mar. 18.

Santini, Danilo. (See Bouton, E. M., Santini, and Williams.)

Saunders, Charles J., Los Angeles, Calif. Electric plug and receptacle. 2,235,535; Mar. 18.

Saunders, Walter S., and T. A. McGregor, assignors to American Forging & Socket Company, Pontiac, Mich. Adjustable supporting means. 2,235,237; Mar. 18.

Saunders, Walter S., assignor to American Forging & Socket Company, Pontiac, Mich. Operating lever mechanism. 2,235,238; Mar. 18.

Saunders, Walter S., assignor to American Forging & Socket Company, Pontiac, Mich. Adjustable support. 2,235,239; Mar. 18.

Savage, Manuel H., Bridgeport, and L. H. Hitchcock, Milford, assignors to General Electric Company. Electrical cable. 2,235,536; Mar. 18.

Schaake, William, assignor to Westinghouse Electric & Manufacturing Company, Pittsburgh Pa. Current collector. 2,235,387; Mar. 18.

Schaefer, Edward J., Fort Wayne, Ind., assignor to General Electric Company. Phase relay control for split phase motors. 2,235,537; Mar. 18.

Schäffer, Max D., Vienna, Germany. Masonry. 2,235,646; Mar. 18.

Scharowsky, Günther, Berlin-Charlottenburg, and J. von Issendorff, Berlin-Siemenstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,235,388; Mar. 18.

Schelkunoff, Sergei A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra short wave radio system. 2,235,506; Mar. 18.

Schenck, Alfred K. (See Blount, F. E., and Schenck.)

Schilgen, Fritz, Kl. Machnow, and A. Leifer, Berlin-Karlshorst, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Contact for vibrators. 2,235,171; Mar. 18.

Schimann, Ernst, Berlin-Spandau, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Lubricating device for electric switches. 2,235,334; Mar. 18.

Schless, Stefan, Berlin-Wilmersdorf, assignor of thirty per cent to F. Quade, Berlin-Zehlendorf, Germany. Preparing porous plates from cement and fibrous material on board-making machines. 2,235,176; Mar. 18.

Schmitt, George P., New York, N. Y. Combined cigarette case and lighter. 2,235,335; Mar. 18.

Schmitt, Otto A. (See Kronquest, A. L., and Schmitt.)

Schneider, Henry J., Quincy, Mass. Dynamic deaerator heater. 2,235,592; Mar. 18.

Schneider, Henry J., Quincy, Mass. Dynamic deaerator and water heater. 2,235,593; Mar. 18.

Schob, Anthony J., assignor to Nachman Springfilled Corporation, Chicago, Ill. Mattress or cushion. 2,235,538; Mar. 18.

Schon, Matthew, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Coating metal with aluminum. 2,235,729; Mar. 18.

Schraysshuen, Carl, Providence, R. I., assignor to Carl-Art, Inc. Jewelry ornament. 2,235,120; Mar. 18.

Schulz, Christopher A., Guttenberg, N. J., assignor to The B. G. Corporation, New York, N. Y. Spark-plug tool 2,235,172; Mar. 18.

Schuster, Fritz, Chemnitz, Germany. Apparatus for maintaining a liquid in uniform condition. 2,235,336; Mar. 18.

Schwartz, Nathan, assignor to Hygeia Filtering Corporation, New York, N. Y. Filter unit for respirators. 2,235,624; Mar. 18.

Scott, Richard H., Enfield, and W. F. Gorse and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical composing machine. 2,235,464; Mar. 18.

Scott & Williams, Incorporated. (See Pass, Arthur L., assignor.)

Scuderi, Carlo. (See Callahan, J. J., and Scuderi.)

Sears, Russell N., assignor to Brockway Motor Company, Inc., Cortland, N. Y. Spare seat for an automotive cab. 2,235,751; Mar. 18.

Seedlock, Frank A., assignor of one-half to E. L. Noll, Lakewood, Ohio. Tool for making files. 2,235,752; Mar. 18.

Sekella, Youston, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starter drive. 2,235,121; Mar. 18.

Serrell, Robert. (See Conklin, J. W., and Serrell.)

Shanahan, George D., C. C. Huffman, and E. R. Warnke, assignors to Steel Plate & Shape Corporation, Detroit, Mich. Portable platform. 2,235,647; Mar. 18.

Shann, Oscar A., Bayside, N. Y., and A. K. Smith, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone coin collector. 2,235,648; Mar. 18.

Shaven, Frank. (See Elliott, C. E., and Shaven.)

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Safety switch. 2,235,337; Mar. 18.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Stack switch. 2,235,338; Mar. 18.

Shaw, Geoffrey T. (See Sutherland, B. P., Shaw, and Morris.)

Shaw, John D., assignor to International Silver Company, Meriden, Conn. Display rack for silverware display cases. 2,235,649; Mar. 18.

Shaw, Louis E., East Orange, N. J. Variable speed transmission. 2,235,122; Mar. 18.

Shell Development Company. (See Frenkel, Gustav A., assignor.)

Shell Development Company. (See van Peski, A. J., Max, van Melsen, and Stedehouder, assignors.)
Shepard, Francis H., Jr., Rutherford, N. J., assignor to Radio Corporation of America. Circuit tester. 2,235,173; Mar. 18.
Shiplet, Clarence E. (See Stall, E. H., and Shiplet.)
Shope, Clyde A., Oklahoma City, Okla. Sucker rod rack. 2,235,265; Mar. 18.
Short, Carleton W., East Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Method and apparatus for making electrical cables. 2,235,688; Mar. 18.
Shupe, Greek S., Fort Stockton, Tex. Water pump device. 2,235,174; Mar. 18.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Kalbitz, Otto, assignor.)
Siemens Brothers & Company Limited. (See Vosper, William T., assignor.)
Siemens & Halske Aktiengesellschaft Patentabteilung Verwaltungsgebäude. (See Hennig, F., and Wüsteney, assignors.)
Siemens & Halske Aktiengesellschaft. (See Junga, Georg, assignor.)
Signal Engineering & Manufacturing Company. (See Wheelock, John H., assignor.)
Signal Engineering & Manufacturing Company. (See Wheelock, J. H., and Humphreys, assignors.)
Simonds, Clark W., Red Creek, N. Y. Return gate for poultry. 2,234,985; Mar. 18.
Simonds, Herbert R., assignor to Simonds Worden White Company, Dayton, Ohio. Centering device. 2,235,730; Mar. 18.
Simonds Worden White Company. (See Simonds, Herbert R., assignor.)
Simpkins, Isaac W., and E. R. Nelson, assignors to Power Brake Company, Charlotte, N. C. Portable auxiliary power unit for trailers. 2,235,175; Mar. 18.
Singer Manufacturing Company, The. (See Waterman, Max L., assignor.)
Slayter, Games, and J. H. Thomas, Newark, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Mechanically drawing fibers. 2,234,986; Mar. 18.
Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter apparatus. 2,235,389; Mar. 18.
Slezak, Frank, Maspeth, Long Island, N. Y., assignor to Thermo-Mix, Inc. Mixing valve. 2,235,651; Mar. 18.
Sloan, Theodore H., Charlerol, assignor to G. M. S. Corporation, Pittsburgh, Pa. Adjustable Geneva mechanism. 2,235,047; Mar. 18.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,235,650; Mar. 18.
Smelt, Josephus A. M. (See Lemmens, H. J., and Smelt.)
Smith, Albert K. (See Shann, O. A., and Smith.)
Smith, Albert N. (See Curry, G. L., and Smith.)
Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Strainer arrangement. 2,235,539; Mar. 18.
Smith, Joseph H., Whittier, Calif. Safety shield for welding torches. 2,235,564; Mar. 18.
Smith, Uel L., Morris Plains, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Multiple moving coil instrument. 2,235,390; Mar. 18.
Smith, Drum & Company. (See Drum, H. S., Jaxheimer, and Saalfrank, assignors.)
Smith, John K., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe. 2,235,087; Mar. 18.
Smith, Ruven O. (See Stuart, Robert H., assignor.)
Snyder, Gilbert J., South Bend, Ind. Simulated masonry siding. 2,235,652; Mar. 18.
Societe "Rhodiaceta." (See Bludow, Pierre, assignor.)
Society of Chemical Industry in Basle. (See Graenacher, C., Ackermann, and Bruengger, assignors.)
Socony-Vacuum Oil Company. (See Sachanen, A. N., and Davis, assignors.)
Soens, Michael, Racine, Wis. Ash tray. 2,235,568; Mar. 18.
Soldan, Lewis E., Chicago, Ill. Screen cloth for high speed vibrating screens. 2,235,653; Mar. 18.
Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Tucson, Ariz. Picture reproducing apparatus for television systems. 2,234,987; Mar. 18.
Spalding, A. G., & Bros. Inc. (See Pierce, H. M., and Hermson, assignors.)
Spalding, Jack J., Jr., New York, N. Y. Damper. 2,235,731; Mar. 18.
Spalding, John D., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drawwork. 2,235,088; Mar. 18.
Sparks, Neil R., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Modulated steady state reflection seismic surveying. 2,235,089; Mar. 18.
Speed-O-Print Corporation. (See Samuels, Abe, assignor.)
Spencer, Howard F., assignor to Amco, Incorporated, Pittsburgh, Pa. Cover switch. 2,235,048; Mar. 18.
Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Friction spring unit. 2,234,988; Mar. 18.
Stall, Ernest H., and C. E. Shiplet, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Forming range platform and back splasher structures. 2,235,090; Mar. 18.
Stamm, Franklin P., Laramie, Wyo. Making vaginal tampons. 2,235,465; Mar. 18.
Standard Oil Development Company. (See Morway, A. J., and Zimmer, assignors.)
Standard Oil Development Company. (See Robey, Richard F., assignor.)
Standard Oil Development Company. (See Sweeney, William J., assignor.)
Standard Oil Development Company. (See Tyson, Charles W., assignor.)
Standard Safety Equipment Co. (See Woodward, Raymond G., assignor.)
Standard Stoker Company, The. (See Roesch, Frank P., assignor.)
Stanolind Oil and Gas Company. (See Cloud, Raymond T., assignor.)
Stanolind Oil and Gas Company. (See Sparks, Neil R., assignor.)
Staples, William D., et al. (See Glimer, Percy M., assignor.)
Stark, Horace, Washington, D. C. Position finder. 2,235,177; Mar. 18.
Starkey, William C., assignor to L. G. S. Spring Clutches Incorporated, Indianapolis, Ind. Reversing clutch construction. 2,235,266; Mar. 18.
Starkweather, Gail C. (See Haas, L. L., and Starkweather.)
Stedehonder, Pieter L. (See van Peski, A. J., Max, van Melsen, and Stedehouder.)
Steel Plate & Shape Corporation. (See Shanahan, G. D., Huffman, and Warnke, assignors.)
Steers, William F., Maplewood, N. J., assignor to Radio Corporation of America. Sound transducer. 2,235,654; Mar. 18.
Stein, Alfred, Erfurt, Germany. Device for moving a vehicle at an angle to the direction in which it runs normally. 2,235,595; Mar. 18.
Stein, Hall Manufacturing Company. (See Gardner, Herbert F., assignor.)
Steinbock, Edmund A., and A. L. Weyhing, Louisville, Ky.; said Weyhing assignor to said Steinbock. Casting machine. 2,235,443; Mar. 18.
Stertzbach, Harry W. (See Johnson, G. T., Bower, and Stertzbach.)
Stevens, Sydney A., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Control system for alternative sources of supply of electric currents. 2,235,540; Mar. 18.
Stevenson, Donald M., et al. (See Krenzke, John G., assignor.)
Stevenson Mfg. Co. (See Krenzke, John G., assignor.)
Stevenson, Warren A., et al. (See Krenzke, John G., assignor.)
Stewart, James C., Mount Eden, near Auckland, New Zealand. Transmitter. 2,235,339; Mar. 18.
Stillwagon, Crawford K., Houston, Tex. Snatch block. 2,235,302; Mar. 18.
Stogner, James J., Muscadine, Ala. Cane stripper. 2,235,655; Mar. 18.
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stolz, Rufus E., East Cleveland, Ohio. Control device. 2,235,267; Mar. 18.
Strauch, Hugo, Krefeld-Verdingen, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Floor and wall covering material. 2,235,507; Mar. 18.
Strong, Hiram W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Mantel holder. 2,235,240; Mar. 18.
Stuart, Robert H., assignor of one-half to R. O. Smith, Varnado, La. Braking device. 2,235,340; Mar. 18.
Stubbins, John T., Youngstown, Ohio. Signal system. 2,235,123; Mar. 18.
Stucker, John M., Kansas City, Mo. Electric steam generator. 2,235,303; Mar. 18.
Sudell, Frank, assignor to La France Industries, Philadelphia, Pa. Pile fabric. 2,235,732; Mar. 18.
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sun-Maid Raisin Growers of California. (See Kilner, Louis, assignor.)
Super Mold Corporation of California. (See Glynn, Edwin A., assignor.)
Surface Combustion Corporation. (See McDermott, George R., assignor.)
Susser, Esther L., Jersey City, N. J. Headgear. 2,235,805; Mar. 18.
Sutherland, Brian P., G. T. Shaw, and D. D. Morris, Trail, British Columbia, assignors to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Treating nitrated material. 2,235,178; Mar. 18.
Sweeney, William J., Elizabeth, N. J., assignor to Standard Oil Development Company. Voltolization of hydrogenated products. 2,235,124; Mar. 18.
Sylvania Industrial Corporation. (See Cornwell, Ralph T. K., assignor.)
Symington-Gould Corporation. (See Blattner, Emil H., assignor.)

Symmonds, Theophilus, Buffalo, N. Y. Gas burner. 2,235,689; Mar. 18.
Tangen, Anthony, Detroit, Mich. Gearing. 2,235,179; Mar. 18.
Taugher, Frank P., Clayton, Mo., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling apparatus. 2,235,049; Mar. 18.
Taylor, Clarence C. (See Leo, H. T., Taylor, and Lindsey.)
Taylor, Fred L. (See Britton, E. C., and Taylor.)
Taylor Instrument Companies. (See Mason, H. L., and Hubbard, assignors.)
Teaf, John H., Moorestown, assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J. Stator mounting for variable condensers. 2,235,180; Mar. 18.
Teague, Merwyn C., Ridgewood, N. J., and T. G. Hawley, Jr., Nangatuck, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Laminated elastic fabric and making the same. 2,235,690; Mar. 18.
Technical Oil Tool Corporation. (See Culbertson, Joe W., assignor.)
Telchmann, Ludwig. (See von Zeppelin, H., and Telchmann.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Elsole, K., and Fahrnschon, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Moser, W., and Peters, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schilgen, F., and Leifer, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie. (See Urtel, Rudolf, assignor.)
Temme, William H., New Kensington, Pa. Tire chain applying device. 2,235,691; Mar. 18.
Teters, Omar O., and J. Barton, St. Louis, Mo. Vehicle brake. 2,235,341; Mar. 18.
Thal, Georg, Berlin, Germany, assignor to General Electric Company. Base for electrical devices. 2,235,656; Mar. 18.
Thege, Edvin O. P., and O. V. Fixén, assignors to Aktiebolaget Atlas-Diesel, Stockholm, Sweden. Reversible two-stroke internal combustion engine. 2,235,050; Mar. 18.
Thermo Diffuser Company. (See Fielder, Ollie T. and W. E., assignors.)
Thermo-Mix Incorporated. (See Slezak, Frank, assignor.)
Thiel, Frank, Detroit, Mich. Traffic signal. 2,235,181; Mar. 18.
Thiokol Corporation. (See Patrick, Joseph C., assignor.)
Thomas, John H. (See Slayter, G., and Thomas.)
Thompson, Leslie E., King's Cross, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Manufacture of selenium and like rectifiers. 2,235,651; Mar. 18.
Thörnblad, Axel R., Stockholm, Sweden. Parachute. 2,235,657; Mar. 18.
Thornton Tandem Company. (See Baker, Solomon F., assignor.)
Tierney, William J., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Hinge and method of making members therefor. 2,235,241; Mar. 18.
Timmis, William W., Pleasantville, assignor to Herske & Timmis, New York, N. Y. Hot water heating system. 2,235,692; Mar. 18.
Tkach, George, Lakefield, Minn. Insulator mounting. 2,234,989; Mar. 18.
Todhunter, William J., Newcastle, New South Wales, Australia. Assembling and piling unit. 2,234,990; Mar. 18.
Todhunter, William J., Newcastle, New South Wales, Australia. Assembling and piling unit, especially plates. 2,234,991; Mar. 18.
Torbensen, Viggo V., Cleveland, Ohio. Refrigeration means and method. 2,235,125; Mar. 18.
Touchton, W. T., et al. (See Bozeman, John F., assignor.)
Toussaint, Charles F., Chicago, assignor to Perfection Gear Company, Harvey, Ill. Valve. 2,235,304; Mar. 18.
Towne, Charles C., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic telegraphone. 2,235,126; Mar. 18.
Tracey, Harvey E., assignor of one-fourth to J. L. Parker, Fredericksburg, Ohio. Self-feeding flower or plant pot. 2,234,992; Mar. 18.
Trehern, Joseph T., Mobile, Ala. Grounding clamp. 2,235,274; Mar. 18.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trier, Paul W., Detroit, Mich., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Fuel pump for internal combustion engines. 2,235,052; Mar. 18.
Trillich, B. L., et al. (See Morgan, Howard W., assignor.)
Trucksess, David E., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 2,235,491; Mar. 18.
Turner, Thomas P., Gaffney, S. C. Tool for splitting and hulling peas. 2,235,342; Mar. 18.
Twiner, John C., et al. (See Lucius, George P., assignor.)
Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Removing volatile solvents from polymerized substances. 2,235,127; Mar. 18.
Union Switch & Signal Company, The. (See Allison, L. R., and Nicholson, assignors.)
Union Switch & Signal Company, The. (See Kemmerer, Ralph R., assignor.)
Union Switch & Signal Company, The. (See Livingston, John W., assignor.)
Union Switch & Signal Company, The. (See Lucas, Harry T., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See McGowan, Kenneth J. J., assignor.)
Union Switch & Signal Company, The. (See Oehlschlager, William A., assignor.)
Union Switch & Signal Company, The. (See Nicholson, F. H., and Bryan, assignors.)
Union Switch & Signal Company, The. (See Pelikan, John M., assignor.)
Union Switch & Signal Company, The. (See Stevens, Sydney A., assignor.)
Union Switch & Signal Company, The. (See Thompson, Leslie E., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United-Carr Fastener Corporation. (See Wagstaff, George, assignor.)
United Hoisting Co. (See Wuestner, Clarence J., assignor.)
United Shoe Machinery Corporation. (See Newhall, Carl A., assignor.)
United Shoe Machinery Corporation. (See Russell, Arthur L., assignor.)
United Shoe Machinery Corporation. (See Smith, John K., assignor.)
United States Rubber Company. (See Eger, Ernst, assignor.)
United States Rubber Company. (See Gartrell, Robert D., assignor.)
United States Rubber Company. (See Gerke, Roscoe H., assignor.)
United States Rubber Company. (See Hawley, Thomas G., Jr., assignor.)
United States Rubber Company. (See Short, Carleton W., assignor.)
United States Rubber Company. (See Teague, M. C., and Hawley, assignors.)
United States Rubber Company. (See Wolfhard, F. H., and Woodall, assignors.)
U. S. Slicing Machine Company. (See Ahrndt, Arthur H., assignor.)
Universal Development Corporation. (See Kousin, Harry, assignor.)
Universal Fountain Brush Company. (See Wright, Milton B., assignor.)
Universal Oil Products Company. (See Pyzel, Robert, assignor.)
Universal Oil Products Company. (See Zimmerman, Gordon B., assignor.)
Universal Paper Products Company. (See Amberg, Ralph G., assignor.)
Universal Paper Products Company. (See Amberg, Walter E., assignor.)
Upjohn Company, The. (See Cookson, Leonard T., assignor.)
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray control apparatus. 2,235,053; Mar. 18.
Valentine, Percy W., Brooklyn, N. Y. Attachment for sewing machines. 2,235,128; Mar. 18.
Van Duuren, Hendrik C. A. (See Bakker, A., and van Duuren.)
Van Dusen, George C., Jr., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Torsional snap action device. 2,235,779; Mar. 18.
Van Melsen, Johannes A. (See van Peski, A. J., Max, van Melsen, and Stedehouder.)
Van Peski, Adrianus J., N. Max, J. A. van Melsen, and P. L. Stedehouder, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Antiknock motor fuel. 2,235,466; Mar. 18.
Vernon-Benshoff Company, The. (See Vernon, Lester B. and H. M., assignors.)
Vernon, Harold M. (See Vernon, Lester B. and H. M.)
Vernon, Lester B., Beaver, and H. M. Vernon, assignors to The Vernon-Benshoff Company, Pittsburgh, Pa. Manufacturing articles of thermoplastic synthetic resins. 2,234,993; Mar. 18.
Vernon, Lester B., Beaver, and H. M. Vernon, Thornburg, assignors to The Vernon-Benshoff Company, Pittsburgh, Pa. Article formed of thermoplastic synthetic resins and manufacturing the same. 2,234,994; Mar. 18.
Vetorino, Frank. (See Vetorino, John E., F., and J. E.)
Vetorino, John E., Fairhaven, Mass., F. Vetorino, Cincinnati, Ohio, and J. E. Vetorino, assignors, by mesne assignments, to Continental Laundry Machinery Co. Inc., New Bedford, Mass. Washing machine. 2,235,467; Mar. 18.
Vetorino, Joseph E. (See Vetorino, John E., F., and J. E.)
Victor Manufacturing & Gasket Company. (See Bernstein, Wilburn F., assignor.)
Victoreen, John A., Cleveland Heights, Ohio. Potential measuring apparatus. 2,235,268; Mar. 18.

Vidalie, Rene M., Port Washington, assignor to Preferred Utilities Company, Inc., New York, N. Y. Oil burner igniting mechanism. 2,235,468; Mar. 18.
Vineberg, Samuel S., Buffalo, N. Y. Heating unit for electrical cooking devices. 2,235,091; Mar. 18.
Vining, Charles R., Elmore, and I. C. Hamilton, Toledo, Ohio, assignors to Libbey Glass Company. Glassware forming machine. 2,235,129; Mar. 18.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Printing means for labeling machines and the like. 2,235,054; Mar. 18.
Von Issendorff, Jürgen. (See Scharowsky, G., and von Issendorff.)
Von Ottenthal, Rudolf, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Antenna system. 2,235,055; Mar. 18.
Von Zeppelin, Helmut, Bitterfeld, and L. Teichmann, Leverkusen I. G. Werk, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Producing alloys containing zirconium. 2,235,508; Mar. 18.
Vosper, William T., New Eltham, London, assignor to Siemens Brothers & Company Limited, London, England. Impulse repeating arrangement for telephone or like systems. 2,235,343; Mar. 18.
Vroom, Robert C., Montclair, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Wide range air register. 2,235,242; Mar. 18.
Waage, John J., assignor to Globe Slicing Machine Co. Inc., Stamford, Conn. Guiding device for slicing machines. 2,235,509; Mar. 18.
Waechter, Herman P., Staten Island, N. Y. Utility headlight. 2,234,995; Mar. 18.
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Wagstaff, George, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Socket or contact for electric plug or pin couplings. 2,235,780; Mar. 18.
Wahlberg, Eric C., Plainfield, N. J. Electrolytic condenser. 2,235,344; Mar. 18.
Walker, Ernest A., assignor to John Bath & Company, Worcester, Mass. Machine tool with floating head. 2,235,269; Mar. 18.
Walker, George W., and H. B. Morrow, Platteville, Wis. Liquid and vapor heat exchanger. 2,235,806; Mar. 18.
Walker, Walter W., Hampton, Va. Washing machine. 2,235,094; Mar. 18.
Wall, Edmund L., Detroit, Mich., assignor to The Cincinnati Milling Machine Company. Duplicating machine. 2,235,092; Mar. 18.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Short ribbed huller gin. 2,235,469; Mar. 18.
Walmesley, Robert A., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Recovery of glycerol from still residues from fermentation processes. 2,235,056; Mar. 18.
Walmesley, Robert A., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Recovery of glycerol from still residues from fermentation processes. 2,235,057; Mar. 18.
Walstrom, Axel M., Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Machine for making tubs and the like. 2,235,270; Mar. 18.
Walstrom, Axel M., Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Machine for making tubs and the like. 2,235,271; Mar. 18.
Wanner, William. (See Bingham, C. G., Fernekes, and Wanner.)
Ward, T. C., et al. (See Bozeman, John F., assignor.)
Warner Bros. Pictures, Inc. (See Levinson, Nathan, assignor.)
Warner Bros. Pictures, Inc. (See Ryan, Byron F., assignor.)
Warnick, Frank E., Omaha, Nebr. Collapsible box. 2,235,093; Mar. 18.
Warnke, Elvert R. (See Shanahan, G. D., Huffman, and Warnke.)
Warren, Glenn B., Niskayuna, N. Y., assignor to General Electric Company. Turbine power plant arrangement. 2,235,541; Mar. 18.
Waterman, Herbert, Manhasset, assignor to Aerovox Corporation, Brooklyn, N. Y. Reclaiming reagent. 2,235,658; Mar. 18.
Waterman, Max L., Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,235,753; Mar. 18.
Watrous, Ward W. Jr., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Valve apparatus. 2,235,510; Mar. 18.
Watson, Edward F., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative repeater. 2,235,411; Mar. 18.
Watson-Williams Manufacturing Company. (See Blanchard, Joseph E., assignor.)
Wean Engineering Company, The. (See Holdgate, J. C., Koelkebeck, and Donald, assignors.)
Webb, Christopher F., Uxbridge, assignor to Bell Punch Company Limited, London, England. Ticket-issuing machine. 2,235,130; Mar. 18.
Weidenmiller, Edward A., Chicago, Ill. Cooky molding machine. 2,235,402; Mar. 18.
Weiss, Abraham and J., New York, N. Y.; said A. Weiss assignor to J. Weiss. Controlling the brakes of a motor vehicle. 2,235,412; Mar. 18.
Weiss, Charles R., Indianapolis, Ind., assignor to Link-Belt Company. Cane stripping apparatus. 2,235,596; Mar. 18.
Weiss, Joseph. (See Weiss, Abraham and J.)
Welch, Alanson U., Jr., and C. M. Cederstrom, Pittsfield, Mass., assignors to General Electric Company. Cable-making machine. 2,234,996; Mar. 18.
Wells, Albert S., assignor to Wells-Gardner & Co., Chicago, Ill. Phonograph. 2,235,693; Mar. 18.
Wells-Gardner & Co. (See Wells, Albert S., assignor.)
Wenzel, Amanda, Fox Point, Wis. Building insulation. 2,235,542; Mar. 18.
Wenzell, Richard, administrator. (See Wolff, Paul H.)
Werme, Adolph, assignor to Reed & Prince Manufacturing Company, Worcester, Mass. Screw driver. 2,235,781; Mar. 18.
West Virginia Pulp and Paper Company. (See Frankel, Edward M., assignor.)
Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,235,543; Mar. 18.
Western Cartridge Company. (See Kopp, Walter R., assignor.)
Western Cartridge Company. (See Olsen, Fredrich, assignor.)
Western Cartridge Company. (See Womer, R. L., and Florman, assignors.)
Western Electric Company. (See Franz, Erwin E., assignor.)
Weston Electrical Instrument Corporation. (See Rockwell, Harvey P., Jr., assignor.)
Westin, Charles J., Philadelphia, assignor to F. J. Stokes Machine Company, Philadelphia, (Olney Post Office), Pa. Suppository-making machine. 2,235,345; Mar. 18.
Westinghouse Electric Elevator Company. (See Bouton, E. M., Santini, and Williams, assignors.)
Westinghouse Electric Elevator Company. (See McCormick, Harold V., assignor.)
Westinghouse Electric Elevator Company. (See Radeeff, Andrew C., assignor.)
Westinghouse Electric Elevator Company. (See Williams, H. W., and Baum, assignors.)
Westinghouse Electric & Manufacturing Company. (See Baker, John G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bosch, Max, assignor.)
Westinghouse Electric & Manufacturing Company. (See Brubaker, Wilson M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Carpenter, Walter B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cox, J. H., and Kilgore, assignors.)
Westinghouse Electric & Manufacturing Company. (See Diehl, Carl W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Geiselman, Ralph A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gier, John R., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kesselring, Fritz, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kimball, Albert W., assignor.)
Westinghouse Electric & Manufacturing Company, et al. (See Lederer, Anton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, Steohan, assignor.)
Westinghouse Electric & Manufacturing Company. (See Nielsen, R. A., Hewitt, and Wyckoff, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rennie, Robert F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rueckert, Fred P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Scharowsky, G., and von Issendorff, assignors.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Cel L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stall, E. H., and Shiplet, assignors.)
Westinghouse Electric & Manufacturing Company. (See Taugher, Frank P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Watrous, Ward W., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wright, Ralph H., assignor.)
Westmoreland, Bascom B., Houston, Tex. Door. 2,235,413; Mar. 18.
Weston, Roy, Toppenish, Wash. Sack holder. 2,235,182; Mar. 18.

West Virginia Pulp & Paper Company. (See Plumstead, Joseph E., assignor.)
Wettlaufer, William L., Buffalo, N. Y. Therapeutic vibrator. 2,235,183; Mar. 18.
Wettlaufer, William L., Buffalo, N. Y. Therapeutic vibrator. 2,235,184; Mar. 18.
Weyhing, August L. (See Steinbock, E. A., and Weyhing.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Saw-tooth wave generator. 2,235,131; Mar. 18.
Wheelock, John H., Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Noncode alarm signal system. 2,235,272; Mar. 18.
Wheelock, John H., Fitzwilliam, N. H., and F. F. Humphreys, Caldwell, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Circuit controlling device. 2,235,273; Mar. 18.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Ethers of glucosides. 2,235,783; Mar. 18.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Glucoside ethers. 2,235,784; Mar. 18.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Sorbitol ethers. 2,235,785; Mar. 18.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Pentoside ethers. 2,235,786; Mar. 18.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Halogen acyl alkyl hexoses. 2,235,787; Mar. 18.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Substituted aryl glucosides of glucose ethyl ether esters. 2,235,788; Mar. 18.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Halogen acyl alkyl pentoses. 2,235,789; Mar. 18.
White, Elwood V., Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich. Aryl alkyl glucosides. 2,235,790; Mar. 18.
White, Eric L. C., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve circuits. 2,235,414; Mar. 18.
White, Eric L. C., Hillingdon, Middlesex, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electronic apparatus. 2,235,659; Mar. 18.
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Centralized traffic controlling system. 2,235,346; Mar. 18.
Wiegand, Edwin L., Pittsburgh, Pa. Classification and separation of material particles. 2,235,305; Mar. 18.
Wiepert, George D., New Haven, Conn. Package holder for attachment to shelves. 2,235,660; Mar. 18.
Wiessner, Alfred, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Carrier frequency communication system. 2,235,058; Mar. 18.
Wiggs, James W. (See Hensel, F. R., Emmert, and Wiggs.)
Wilcolater Company, The. (See Fonseca, Edward L., assignor.)
Wiley, Lindsay F., Oliphant Furnace, Pa. Burial vault. 2,235,185; Mar. 18.
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Soluble co-polymers of vinyl chloride and vinylidene chloride. 2,235,782; Mar. 18.
Wilkinson, Harry W., Mount Airy, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Temperature limit switch for electric heaters. 2,235,186; Mar 18.
Williams, Harold W. (See Bouton, E. M., Santini, and Williams.)
Williams, Harold W., Jersey City, and D. H. Baum, Ridgewood, assignors to Westinghouse Electric Elevator Company, Jersey City, N. J. Electric relay. 2,235,391; Mar. 18.
Williams, Vernon H., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Cartridging of gelatinous and semigelatinous blasting explosives. 2,235,059; Mar. 18.
Williams, Vernon H., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Manufacture of explosive compositions or blasting charges. 2,235,060; Mar. 18.
Willson, Harry C., Wolverhampton, England. Electrodynamic sound reproducer. 2,235,187; Mar. 18.
Wilmanns, Gustav. (See Kumetat, K., and Wilmanns.)
Wilputte Coke Oven Corporation. (See Potter, Joel S., assignor.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Ray, Frederick, assignor.)
Wingfoot Corporation. (See Wolfe, William D., assignor.)
Winkler-Koch Patent Company, The. (See Koch, Fred C., assignor.)
Winning, Robert K., assignor to Clum Manufacturing Company, Milwaukee, Wis. Terminal. 2,235,275; Mar. 18.
Winter, Leon A., Mason City, Iowa. Fish lure. 2,235,597; Mar. 18.
Wire Sales Company. (See Muntwyler, Fredric C., assignor.)
Wise, Clarence E., Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Lawn mower cutter bar. 2,235,061; Mar. 18.
Wisecarver, George B., Columbus, Ohio. Play pen and walking device. 2,235,598; Mar. 18.
Witting, Edward G., Jenkintown, Pa. Auditory masking method. 2,235,733; Mar. 18.
Wohlers, Philip, assignor to Milprint, Inc., Milwaukee, Wis. Wrapping label. 2,235,791; Mar. 18.
Wohlfarth, Reinhard M., Dresden, and P. A. Mitter, Pirna-Copitz, assignors to Aktiengesellschaft vorm Zeidel & Naumann, Dresden, Germany. Milling machine. 2,235,444; Mar. 18.
Wold, Frank E., Santa Monica, assignor of one-half to D. E. Woolard, Los Angeles County, Calif. Grease pump. 2,235,544; Mar. 18.
Wolfe, William D., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Softener for polymerized materials. 2,235,625; Mar. 18.
Wolfes, Otto, and O. Hromatka, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Hydrohalides of pseudotropine benzilic acid ester. 2,235,661; Mar. 18.
Wolff, Paul H., deceased (by R. Wenzel, administrator) and K. Frank, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation. Diaryl-monoindolyl-methane dyestuffs. 2,235,511; Mar. 18.
Wolfhard, Frederick H., St. Jerome, and L. C. Woodall, Notre Dame de Grace, Montreal, Quebec, Canada, assignors to United States Rubbert Company, New York, N. Y. Footwear construction. 2,235,694; Mar. 18.
Wolford, Don S. (See Hayes, D. M., and Wolford.)
Womer, Robert L., Alton, and E. F. Florman, Wood River, assignors to Western Cartridge Company, East Alton, Ill. Chronoscopic method and apparatus. 2,235,188; Mar. 18.
Wood, Gar, Industries, Inc. (See Barrett, Edward R., assignor.)
Wood, John, Manufacturing Company. (See Wilkinson, Harry W., assignor.)
Woodall, Leighton C. (See Wolfhard, F. H., and Woodall.)
Woodard, Raymond G., East Orange, N. J., assignor to Standard Safety Equipment Co. Adjustable eye shield. 2,235,599; Mar. 18.
Woodin, William H. (See Soller, Walter, assignor.)
Woolard, Donald E. (See Wold, Frank E., assignor.)
Wooldridge, Dean E., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic telegraphone. 2,235,132; Mar. 18.
Worrall, Robert H., Honolulu, Hawaii. Electrical shield. 2,234,998; Mar. 18.
Wright Aeronautical Corporation. (See DePaw, Chester C., assignor.)
Wright, Milton B., St. Petersburg, Fla., assignor to Universal Fountain Brush Company, Inc. Fountain stencil brush. 2,235,734; Mar. 18.
Wright, Ralph H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding system. 2,235,392; Mar. 18.
Wuestner, Clarence J., Ardsley, assignor to United Hoisting Co., Inc., New York, N. Y. Sheathed flexible shafting. 2,235,189; Mar. 18.
Wüsteney, Herbert. (See Henning, F., and Wüsteney.)
Wyckoff, Peter H. (See Nielsen, R. A., Hewitt, and Wyckoff.)
Yanes, Francisco G., New York, N. Y. Direct photomechanical reproduction. 2,234,997; Mar. 18.
Yoder, Carl M., Lakewood, Ohio. Apparatus for forming sections of shaped sheet material. 2,234,999; Mar. 18.
Young, William R., Fairfield, Conn., assignor to General Electric Company. Electrical connector. 2,235,545; Mar. 18.
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Zahutnik, Walter A., Gary, Ind. Piler end stop. 2,235,347; Mar. 18.
Zimmer, John C. (See Morway, A. J., and Zimmer.)
Zdelar, Stephan. (See Maskulka, J. M., and Zdelar.)
Zimmerman, Gordon B., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,235,133; Mar. 18.

LIST OF RÉISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Extension device. W. A. Davis. Re. 21,753; Mar. 18.

Liner segment. C. B. Cushwa and T. L. White. Re. 21,752; Mar. 18.

Sewing machine attachment. E. Helle. Re. 21,754; Mar. 18.

Signal and indicator for record sheets. A. I. Appleton. Re. 21,751; Mar. 18.

LIST OF PLANT INVENTIONS

Rose plant. W. I. Johnston. 461; Mar. 18.

LIST OF DESIGN INVENTIONS

Antiskid device. I. Herbison. 125,916; Mar. 18.
Aquarium. F. J. Daughtry. 125,884; Mar. 18.
Ash tray or similar article. L. Guild. 125,913; Mar. 18.
Battery analyzer and charger casing, Combination. L. Hunter, Jr. 125,952; Mar. 18.
Bicycle seat and signal device, Combination. H. L. Mueller. 125,923; Mar. 18.
Booth. V. Isbell. 125,933; Mar. 18
Bottle. W. J. Lundy. 125,920; Mar. 18.
Bottle F. McIntosh. 125,869; Mar. 18.
Bottle. M. McIntosh. 125,921–2; Mar. 18.
Bowl or similar article. L. Guild. 125,932; Mar. 18.
Bracelet. G. Verrecchio. 125,977; Mar. 18.
Brooch or similar article. G. Verrecchio. 125,976; Mar. 18.
Brooch or similar article. G. Verrecchio. 125,979; Mar. 18.
Brooch or similar article. G. Verrecchio. 125,981; Mar. 18.
Brooch or similar article. G. Verrecchio. 125,983–4; Mar. 18.
Brooch or similar article. G. Verrecchio. 125,986–7; Mar. 18.
Cabinet and gasoline pump or the like, Combination windshield service. L. V. Shepherd. 125,942–3; Mar. 18.
Cabinet, Display. J. R. Connor. 125,883; Mar. 18.
Carrier, Bowling ball. A. G. Anderson. 125,988; Mar. 18.
Case, Watch. J. Dunhofer. 125,885–7; Mar. 18.
Cleaner, Vacuum. T. E. D. Bilde. 125,882; Mar. 18.
Clip, Pin. B. Blue. 125,907; Mar. 18.
Clip, Pin. G. Verrecchio. 125,980; Mar. 18.
Clip, Pin. G. Verrecchio. 125,982; Mar. 18.
Clip, Pin. G. Verrecchio. 125,985; Mar. 18.
Coat. B. Cashin. 126,022–3; Mar. 18.
Container or similar article, Display. A. Mosheim 125,900; Mar. 18.
Cornice, Drapery. K. F. Olson. 125,926; Mar. 18.
Cosmetic applicator and face patter, Combined. M. S. Fort. 125,931; Mar. 18.
Doll. T. R. Leighton. 125,919; Mar. 18.
Doll, Sleeping. C. Steiner. 125,946; Mar 18.
Doll, Sleeping baby. C. Steiner. 125,947; Mar. 18.
Drape. L. Cohen. 125,963; Mar. 18.
Dress. D. Cox. 126,039; Mar. 18.
Dress. J. Elkins. 126,003; Mar. 18.
Dress. P. E. Fields. 125,991; Mar. 18.
Dress. M. Fields. 126,004–5; Mar. 18.
Dress. M. Geller. 126,024; Mar. 18.
Dress. E. Gold. 125,997; Mar. 18.
Dress. E. Hill. 125,999; Mar. 18.
Dress. E. Hill. 126,007; Mar. 18.
Dress. E. Hill. 126,025–6; Mar. 18.
Dress. B. Hurwitz. 126,008; Mar. 18.
Dress. C. Lang. 125,967–70; Mar. 18.
Dress. G. Montell. 125,971; Mar. 18.
Dress. G. Montell. 125,973; Mar. 18.
Dress. G. Montell. 126,001; Mar. 18.
Dress. G. Montell. 126,009–12; Mar. 18.
Dress. G. Montell. 126,028–30; Mar. 18.
Dress. E. Pier. 126,015; Mar. 18.
Dress. J. Richards. 126,017; Mar. 18.
Dress. N. Rosenstein. 126,002; Mar. 18.
Dress. N. Rosenstein. 126,018; Mar. 18.
Dress. E. G. Slote. 126,038; Mar. 18.
Dress. H. C. Zanft. 126,021; Mar. 18.
Dress ensemble. F. Glass. 125,964–5; Mar. 18.
Dress ensemble. C. Lang. 125,966; Mar. 18.
Dress ensemble. E. T. Lester. 126,027; Mar. 18.
Dress ensemble. G. Montell. 125,972; Mar. 18.
Dress ensemble. G. Montell. 125,974; Mar. 18.
Dress ensemble. G. Montell. 126,013; Mar. 18.
Dress ensemble. S. Novak. 125,975; Mar. 18.
Dress ensemble. S. Novak. 126,014; Mar. 18.
Dress ensemble. S. Novak. 126,031–2; Mar. 18.
Dress ensemble. E. Pier. 126,016; Mar. 18.
Dress ensemble. J. Richards. 126,033–7; Mar. 18.
Dress or similar article. H. Belspel. 125,989; Mar. 18.
Dress or similar article, Ensemble. H. Belspel. 125,990; Mar. 18.
End standard for theatre chairs. L. Jiranek. 125,893–4; Mar. 18.
Ensemble, Dress. E. Hill. 126,006; Mar. 18.
Fabric, Knitted. D. Sobel. 126,019–20; Mar. 18.
Fabric or similar article, Embroidered. E. W. Freudenberg. 125,992–6; Mar. 18.
Fabric or similar article, Knitted. H. B. Shepian. 125,960; Mar. 18.
Fabric, Textile. I. Cummings. 125,949; Mar. 18.
Fabric, Textile. R. Faller. 125,950; Mar. 18.
Fabric, Textile. M. Lebworth. 125,955; Mar. 18.
Fabric, Textile. A. W. Roth. 125,958; Mar. 18.
Fabric, Textile. A. H. Vandam. 125,962; Mar. 18.
Fish lure or similar article. G. G. Ross. 125,959; Mar. 18.
Game board. J. J. Cruise and E. G. Anderson. 125,910; Mar. 18.
Hamper or similar article. H. Gleitsman. 125,912; Mar. 18.
Handbag. I. Kaplan 126,000; Mar. 18.
Handbag frame. S. R. Goldsmith. 125,998; Mar. 18.
Handle for an iron. C. S. Jackson. 125,892; Mar. 18.
Handle, Leash. S. F. Stickell. 125,944; Mar. 18.
Handle, Mattress. M. L. Shifman. 125,904; Mar. 18
Heel for shoes and slippers, Wedge. K. Keyes. 125,895; Mar. 18.
Holder for cans. O. R. Frost. 125,911; Mar. 18.
Iron, Electric. C. S. Jackson. 125,891; Mar. 18.
Jack or the like, Hydraulic. C. M. Akins. 125,906; Mar. 18.
Jacket, Fur. O. Klam. 125,953–4; Mar. 18.
Jacket, Fur. M. Sherwin. 125,961; Mar. 18.
Lace trimming or similar article, Embroidered. O. Hallbauer. 125,951; Mar. 18.
Lamp and radio receiving set, Combined. D. J. Crowley and E. W. Dulmage. 125,909; Mar. 18.
Lamp or similar article. A. H. Murray. 125,924; Mar. 18.
Lamp, table, and radio receiving set, Combined. D. J. Crowley. 125,948; Mar. 18.
Lighting fixture, Fluorescent. C. F. Johnston. 125,918; Mar. 18.
Lighting fixture, Fluorescent. A. G. Parisson. 125,927; Mar. 18.
Medal or similar article. J. Granat. 125,889; Mar. 18.
Motor, Miniature. A. Le R. May. 125,956; Mar. 18.
Necklace. G. Verrecchio. 125,978; Mar. 18.
Ornament or similar article, Mantlepiece. S. Tearl. 125,930; Mar. 18.
Plate or similar article. C. W. Leigh. 125,935–6; Mar. 18.
Press or the like, Drill. R. H. Rideout. 125,938–9; Mar. 18.
Propeller, Fan. G. L. Moeller. 125,957; Mar. 18.
Pump and windshield service cabinet, Combination gasoline. L. V. Shepherd. 125,940–1; Mar. 18.
Rack and windshield chamois servicer, Combined lubricating oil. D. R. Boisseau. 125,908; Mar. 18.
Receptacles for cigarettes or other articles. A. F. Reilly. 125,937; Mar. 18.
Reflector and prismatic bowl for lighting fixtures, Combined. T. W. Rolph. 125,928–9; Mar. 18.
Reflector unit, or the like. J. C. Haggart, Jr. 125,914; Mar. 18.
Retractor, Viscera. H. C. Myers. 125,925; Mar. 18.
Slider body G. Holland. 125,800; Mar. 18.
Sole and heel, Combined. R. E. Frederick. 125,888; Mar. 18.
Standard for theater chairs, End. L. Jiranek. 125,917; Mar. 18.
Stopper, Bottle. A. I. Lorenzen. 125,896–8; Mar. 18.
Table or analogous article, Pool. A. P. Jalwan. 125,934; Mar. 18.
Tank and bowl, Combined water closet. B. B. Pieslak. 125,902–3; Mar. 18.
Tank or the like, Vacuum cleaner. H. B. Barber. 125,881; Mar. 18.
Toy, Sleeping dog. C. Steiner. 125,945; Mar. 18.
Tray, Ash. C. H. Heilbron. 125,915; Mar. 18.
Tumbler or article of similar nature, Glass. A. H. Uicholson. 125,901; Mar. 18.
Typewriting machine. R. G. Thompson. 125,905; Mar 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerating pump. H. A. Carlson. 2,235,797; Mar. 18.
Acetylene, Production of. H. Klein, H. Sachsse, W. Hofeditz, and F. Haubach. 2,235,740; Mar. 18.
Adjustable support. W. S. Saunders. 2,235,239; Mar. 18.
Adjusting device for rotary piston pumps. P. L'Orange. 2,235,584; Mar. 18.
Advertising display rack. E. M. Rosenbluth. 2,235,046; Mar. 18.
Agitator, Radial propeller. I. S. Brumagim. 2,235,604; Mar. 18.
Air conditioning apparatus. C. M. Ashley. 2,235,004–5; Mar. 18.
Air conditioning apparatus. T. W. Carraway. 2,235,607; Mar. 18.
Air conditioning apparatus. P. Komroff. 2,235,022; Mar. 18.
Air conditioning apparatus. P. Komroff and R. D. Lambert. 2,235,023; Mar. 18.
Air conditioning apparatus. W. A. Ray. 2,235,116; Mar. 18.
Air control for stokers. A. L. Brice. 2,234,959; Mar. 18.
Air controlling and regulating device. J. Hanus. 2,235,706; Mar. 18.
Air drying. H. A. Martin. 2,235,322; Mar. 18.
Air motor, Rotary. A. C. Ripke. 2,235,118; Mar. 18.
Airplane. H. D. Fowler. 2,235,146; Mar. 18.
Air pressure indicating apparatus for pneumatic tires. G. P. Lucius. 2,235,716; Mar. 18.
Air register, Wide range. R. C. Vroom. 2,235,242; Mar. 18.
Alarm, Thermal. R. F. Knaack. 2,235,766; Mar. 18.
Alkali metals, Production of. H. N. Gilbert. 2,234,967; Mar. 18.
Alkylation process. A. N. Sachanen and S. B. Davis. 2,234,984; Mar. 18.
Alkylidene di-sulphanilamides and making them. J. Ebert. 2,235,145; Mar. 18.
Alloy: *See*—
  Metal alloy.
Alloys containing zirconium, Producing. H. von Zeppelin and L. Teichmann. 2,235,508; Mar. 18.
Amidelike derivatives and making the same. C. Graenacher, F. Ackermann, and H. Bruengger. 2,235,480; Mar. 18.
Amino-O hydroxy-carboxylic acids of the diarylmethane series. J. Bindler. 2,235,471; Mar. 18.
Ammonium acetate, Liquid. A. M. Georgiev. 2,235,067; Mar. 18.
Ammonium dithiocarbamate, Production of. W. H. Hill and D. J. Salley. 2,235,747; Mar. 18.
Amplifier. G. W. Fyler. 2,235,550; Mar. 18.
Amplifier for signal transmission. S. Gubin. 2,235,677; Mar. 18.
Amusement device. H. N. Ridgway. 2,235,563; Mar. 18.
Antenna. W. Moser and W. Peters. 2,235,162; Mar. 18.
Antenna, Broad band. H. O. Peterson. 2,235,163; Mar. 18.
Antenna system. H. Eggers. 2,235,015; Mar. 18.
Antenna system. R von Ottenthal. 2,235,055; Mar. 18.
Antioxidant. A. M. Clifford. 2,235,629; Mar. 18.
Apparatus for blowing glass wool. H. C. Bates. 2,235,352; Mar. 18.
Apparatus for cementing wells. E. P. Halliburton. 2,235,318; Mar. 18.
Apparatus for connecting conduit sections. J. N. Ice. 2,235,616; Mar. 18.
Apparatus for determining proper exposure in making photographic prints. H. P. Rockwell, Jr. 2,235,590; Mar. 18.
Apparatus for forming sections of shaped sheet material. C. M. Yoder. 2,234,999; Mar. 18.
Apparatus for inserting and removing shackle pins. E. M. Pfanser. 2,235,643; Mar. 18.
Apparatus for maintaining a liquid in uniform condition. F. Schuster. 2,235,336; Mar. 18.
Apparatus for microscopic projection. L. N. Mestre. 2,235,460; Mar. 18.
Apparatus for mining coal or the like. O. Cuylen. 2,235,099; Mar. 18.
Apparatus for producing molded pulp articles. W. H. Randall and R. L. Emery. 2,234,979; Mar. 18.
Apparatus for producing return bend fittings. P. L. Irving and E. P. Kunkel. 2,235,072; Mar. 18.
Apparatus for taking stereoscopic pictures. P. Gagliardi. 2,235,743; Mar. 18.
Apron. K. Beede. 2,235,353; Mar. 18.
Apron. A. Quinn. 2,235,332; Mar. 18.

Article and producing same, Ferrous metal. J. S. Adelson. 2,235,243; Mar. 18.
Article formed of thermoplastic synthetic resins and manufacturing the same. L. B. and H. M. Vernon. 2,234,994; Mar. 18.
Article made from rayon. H. H. Parker. 2,235,082; Mar. 18.
Articles from a ribbon of glass, Separating glass. G. L. Curry and A. N. Smith. 2,235,359; Mar. 18.
Articles of thermoplastic synthetic resins, Manufacturing. L. B. and H. M. Vernon. 2,234,993; Mar. 18.
Assembling and piling unit, especially plates. W. J. Todhunter. 2,234,991; Mar. 18.
Assembling and piling unit, especially plates. W. J. Todhunter. 2,234,990; Mar. 18.
Assembling and piling unit, especially plates. W. J. Todhunter. 2,234,992; Mar. 18.
Attachment for horse collars. G. R. Bunn. 2,235,312; Mar. 18.
Attachment for sweepers and the like. R. E. Bradley. 2,235,277; Mar. 18.
Auditory masking method. E. G. Witting. 2,235,733; Mar. 18.
Automatic softener valve. L. G. Daniels. 2,235,287; Mar. 18.
Automobile carrier rack, Detachable. O. D. Colvin. 2,235,012; Mar. 18.
Axle and wheel hub assembly, Driving. J. Lorimor. 2,235,457; Mar. 18.
Bait, Artificial. C. R. Pugh. 2,235,331; Mar. 18.
Ball cam device. L. P. Chaney. 2,235,011; Mar. 18.
Bar: *See*—
  Lawn mower cutter bar.
Base for electrical devices. G. Thal. 2,235,656; Mar. 18.
Battery charger. M. L. Pugh. 2,235,330; Mar. 18.
Beaching gear. E. Molloy and W. C. Keller. 2,235,034; Mar. 18.
Bearing: *See*—
  Thrust ball bearing.
Bedclothes support. F. J. Arnould. 2,235,191; Mar. 18.
Belt take-up. F. R. Nelson. 2,235,441; Mar. 18.
Bit for drilling well bores. J. F. Bozeman. 2,235,548; Mar. 18.
Blank, Crankshaft. W. L. Groene. 2,235,450; Mar. 18.
Block: *See*—
  Building block. Snatch block.
Block for buildings and making same, Face. E. T. Putnam. 2,235,113; Mar. 18.
Blowpipe. R. J. Kehl. 2,235,433; Mar. 18.
Blower, Soot. L. S. De Mart. 2,235,671; Mar. 18.
Board: *See*—
  Game board.
Bobbin holder. A. F. Anderson and R. G. Carle. 2,235,245; Mar. 18.
Boiler feeding apparatus. D. Lewis. 2,235,557; Mar. 18.
Bookholder. E. D. Heausler. 2,235,367; Mar. 18.
Bottle cap. E. Kirmes. 2,235,453; Mar. 18.
Bottle crushing apparatus M. Lehr. 2,235,712; Mar. 18.
Bottle machine, Glass. C. B. Garwood. 2,235,103; Mar. 18.
Box: *See*—
  Collapsible box. Stuffing box.
Box or carton, Collapsible. J. C. T. Daly. 2,235,800; Mar. 18.
Brake: *See*—
  Vehicle brake.
Brake. A. A. Loweke. 2,235,715; Mar. 18.
Brake fluid composition, Hydraulic. T. J. Bagley. 2,235,754; Mar. 18.
Brakes of a motor vehicle, Controlling the. A. and J. Weiss. 2,235,412; Mar. 18.
Braking device. R. H. Stuart. 2,235,340; Mar. 18.
Brush, Fountain stencil. M. B. Wright. 2,235,734; Mar. 18.
Bucket, Excavating. F. J. Litter. 2,235,150; Mar. 18.
Building block. E. T. Putnam. 2,235,114; Mar. 18.
Building frame structure. H. W. Buelow. 2,234,960; Mar. 18.
Building material and making the same. L. T. Brownmiller. 2,235,008; Mar. 18.
Building unit. E. T. Putnam. 2,235,115; Mar. 18.
Building units, Production of composite sectional. C. T. Allen. 2,235,001; Mar. 18.
Burner: *See*—
  Gas burner.
Burner igniting mechanism, Oil. R. M. Vidalie. 2,235,468; Mar. 18.
Burner structure. C. A. Herman. 2,235,635; Mar. 18.
Button, Illuminated push. P. R. Bergman. 2,234,954; Mar. 18.

Cabinet: *See*—
  Door cabinet.
Cable: *See*—
  Electrical cable.
Cable hanger, Metal. C. H. Klein. 2,235,685; Mar. 18.
Cable-making machine. A. U. Welch, Jr., and C. M. Cederstrom 2,234,996; Mar. 18.
Cable release. J. B. Miller. 2,235,262; Mar. 18.
Cable stripping tool. T. Edwards. 2,235,575; Mar 18.
Cables, Method and apparatus for making electrical. C. W. Short. 2,235,688; Mar. 18.
Calcium ferrite preparation. H. C. Lee. 2,235,556; Mar. 18.
Camber and caster gauge. T. F. Krumm. 2,235,321; Mar. 18.
Camera lens attachment, Afocal. H. J. Gramatzki. 2,235,364; Mar. 18.
Can weighing machine. R. E. J Nordquist 2,235,725; Mar. 18.
Cane stripper. J. J. Stogner. 2,235,655; Mar. 18.
Cane stripping apparatus. C. R. Weiss. 2,235,596; Mar. 18.
Cap: *See*—
  Bottle cap.
Car: *See*—
  House car. Railway house car.
Car construction. M. C. Blest and H. E. Abkowitz. 2,235,795; Mar. 18.
Car coupling and supporting apparatus. A. J. Bazeley. 2,235,137; Mar. 18.
Carbonator, Automatic. H. R. Conklin. 2,235,357; Mar. 18.
Carburetor. G. M. Bicknell. 2,234,946; Mar. 18.
Card index, Rotary. G. C. Bruen. 2,235,736; Mar. 18.
Cargo loading and unloading apparatus. L. Matarese. 2,235,719; Mar. 18.
Case: *See*—
  Key case. Vanity case.
Case and lighter, Combined cigarette. G. P. Schmitt. 2,235,335; Mar. 18.
Casing, Electric appliance. W. A. Barnes. 2,235,569; Mar. 18.
Casting machine. E. A. Steinbock and A. L. Weyhing. 2,235,443; Mar. 18.
Catch, Window screen. J. Forte. 2,235,742; Mar. 18.
Cathode ray control apparatus. R. Urtel. 2,235,053; Mar. 18.
Cellar drain valve. O. E. Banker. 2,235,308; Mar. 18.
Cellulose sheets and making them. E. Czapek. 2,234,964; Mar. 18.
Centering device. H. R. Simonds. 2,235,730; Mar. 18.
Centrifugal clutch. F. Kreis. 2,235,107; Mar. 18.
Chain: *See*—
  Traction chain. Wave filter chain.
Chain start circuit. W. H. T. Holden. 2,235,153; Mar. 18.
Chair: *See*—
  Folding chair.
Chair and cot, Combination. A. E. Brandon. 2,235,571; Mar. 18.
Chemical reactions involving a melt and a gas-like body, Process and apparatus for effecting. E. A. Richardson. 2,235,644; Mar. 18.
Chisel and treating same, Track. J. F. W. Kruse. 2,235,026; Mar. 18.
Chronoscopic method and apparatus. R. L. Womer and E. F. Florman. 2,235,188; Mar. 18.
Circuit: *See*—
  Chain start circuit. Valve circuit.
  Electronic tube circuit.
  Oscillator-modulator circuit.
Circuit breaker. R. E. Bold. 2,235,626; Mar. 18.
Circuit controlling device. J. H. Wheelock and F. F. Humphreys. 2,235,273; Mar. 18.
Circuit for short waves, Anode neutralizing. W. Buschbeck. 2,235,198; Mar. 18.
Circuit interrupter. F. Kesselring. 2,235,074; Mar. 18.
Circuit interrupter apparatus. J. Slepian. 2,235,389; Mar. 18.
Circuit tester. F. H. Shepard, Jr. 2,235,173; Mar. 18.
Circuits, Thermionic valve. E. L. C. White. 2,235,414; Mar. 18.
Clamp: *See*—
  Grounding clamp. Safety clamp.
Clasp. A. J. Pujol. 2,235,407; Mar. 18.
Cleaning device. T. I. King. 2,235,581; Mar. 18.
Cleat device. H. M. Pierce and J. H. Hermson. 2,235,774; Mar. 18.
Clip for metal lath and the like. C. L. Church. 2,235,397; Mar. 18.
Clock, Alarm. H. Junghans. 2,235,580; Mar. 18.
Clock, Mantel. G. Gerritsma. 2,235,068; Mar. 18.
Closet, Top shelf portable. H. Derman. 2,235,574; Mar. 18.
Closure for horizontal coking chambers. J. S. Potter. 2,235,686; Mar. 18.
Closure securing ring. C. Sabatt and D. F. Manion, Jr. 2,235,567; Mar. 18.
Clothesline support. C. Madigan. 2,235,458; Mar. 18.
Clutch: *See*—
  Centrifugal clutch. Impulse clutch.
Clutch construction. Reversing. W. C. Starkey. 2,235,266; Mar. 18.

Coating machine for printers' rollers. C. G. Bingham, P. Fernekes, and W. Wanner. 2,235,250; Mar. 18.
Coffee, Preservation of. J. C. Donnelly. 2,235,315; Mar. 18.
Coil instrument, Multiple moving. U. L. Smith. 2,235,390; Mar. 18.
Coin collector, Telephone. O. A. Shann and A. K. Smith. 2,235,648; Mar. 18.
Collapsible box. F. E. Warnick. 2,235,093; Mar. 18.
Comb and brush, Fountain. C. M. Hickey. 2,235,637; Mar. 18.
Communication system, Carrier frequency. A. Wiessner. 2,235,058; Mar. 18.
Composition of matter and making same. K. L. Russell and A. C. Bell. 2,235,534; Mar. 18.
Compositions of lead oxide (PbO) and finely divided metallic lead, Manufacture of. A. Mayer. 2,235,487; Mar. 18.
Compression arrangement for aircraft engines, Two stage. H. C. A. Potez. 2,235,588; Mar. 18.
Compression refrigerating machine. W. Hirche. 2,235,213; Mar. 18.
Condenser: *See*—
  Electrolytic condenser. Electrostatic condenser.
Connecting device. E. Durant. 2,235,255; Mar. 18.
Connection between roof or other units of railway or other vehicles. W. B. Dean. 2,235,361; Mar. 18.
Connector: *See*—
  Electrical connector.
Constant frequency generator. T. B. Gibbs. 2,235,317; Mar. 18.
Contact for vibrators. F. Schilgen and A. Leifer. 2,235,171; Mar. 18.
Container: *See*—
  Dispensing container. Mold container.
Container. C. A. Nesmith. 2,235,263; Mar. 18.
Control apparatus. F. C. Gibbs and K. Figenbaum. 2,235,150; Mar. 18.
Control device. R. E. Stolz. 2,235,267; Mar. 18.
Control, Multiple. C. C. De Pew. 2,235,013; Mar. 18.
Control system for alternative sources of supply of electric currents. S. A. Stevens. 2,235,540; Mar. 18.
Conveyer, Shaker. W. W. Sloane. 2,235,650; Mar. 18.
Cooky molding machine. E. A. Weidenmiller. 2,235,492; Mar. 18.
Cooling apparatus. F. P. Taugher. 2,235,049; Mar. 18.
Co-polymers of vinyl chloride and vinylidene chloride, Soluble. R. M. Wiley. 2,235,782; Mar. 18.
Cord, Electric. C. O. Hull. 2,235,523; Mar. 18.
Cord structure, Assist. H. S. Lion. 2,235,439; Mar. 18.
Cork plug. J. Furquet. 2,235,611; Mar. 18.
Corrugated fastener. M. A. Ramey. 2,235,300; Mar. 18.
Couch. C. T. McCartney. 2,235,529; Mar. 18.
Counter assemblage. M. M. Hennessy. 2,235,633; Mar. 18.
Counting apparatus. H. J. Mumma. 2,235,035; Mar. 18.
Coupler, Car. E. A. Larsson. 2,235,618; Mar. 18.
Coupler, Horizontally floating car. P. C. Koch. 2,235,555; Mar. 18.
Cover switch. H. F. Spencer. 2,235,048; Mar. 18.
Crankshaft balancing. J. G. Baker. 2,235,393; Mar. 18.
Crossing, Railway. J. H. Asselin. 2,235,247; Mar. 18.
Crusher, Rock. A. T. Benson. 2,235,097; Mar. 18.
Cup and manufacture thereof, Paper. R. G. Amberg. 2,235,349; Mar. 18.
Cups, Forming paper. W. E. Amberg. 2,235,348; Mar. 18.
Current collector. W. Schaake. 2,235,387; Mar. 18.
Cushioning mechanism. E. H. Blattner. 2,235,472; Mar. 18.
Cutter: *See*—
  Rotary cutter.
Cyclopropane, Producing. H. B. Hass and G. E. Hinds. 2,235,679; Mar. 18.
Cyclopropane, Synthesis of. H. B. Hass and G. E. Hinds. 2,235,762; Mar. 18.
Cylinder construction. J. B. Giern and A. P. Anholtt. 2,235,070; Mar. 18.
Damper. J. J. Spalding, Jr. 2,235,731; Mar. 18.
Dental articulator. J. A. Lentz. 2,235,524; Mar. 18.
Derivatives of pyrimidine, Preparing. O. Hromatka. 2,235,638; Mar. 18.
Desliming. B. M. Bird. 2,235,757; Mar. 18.
Device for moving a vehicle at an angle to the direction in which it runs normally. A. Stein. 2,235,595; Mar. 18.
Device for the remote readjustment of rotary members. R. Köberich and E. Fricke. 2,235,216; Mar. 18.
Dictating machine. W. F. Feyrer. 2,235,257; Mar. 18.
Diffusing apparatus. O. T. and W. E. Fielder. 2,235,494; Mar. 18.
Diffusion apparatus. A. C. Koenig. 2,235,218; Mar. 18.
Discharge mechanism for receptacles. R. P. M. Davis. 2,235,609; Mar. 18.
Discharge mechanism for tablet machines. L. T. Cookson. 2,235,286; Mar. 18.
Dishwasher construction. F. P. Rueckert. 2,235,386; Mar. 18.
Dishwashing machine. T. E. D. Bilde. 2,235,196; Mar. 18.
Dispenser: *See*—
  Lotion dispenser.
Dispenser for refrigerated beverages. A. D. Ames and W. E. Richmond. 2,235,244; Mar. 18.

Dispensing apparatus. L. O. Garner and F. Montesi. 2,235,147; Mar. 18.
Dispensing apparatus. W. C. Ross. 2,235,623; Mar. 18.
Dispensing container. A. A. Blinstrub. 2,235,473; Mar. 18.
Dispensing machine escapement mechanism. C. C. Kuhl. 2,235,641; Mar. 18.
Dispensive device for sanitary brushes. A. J. Fournier. 2,235,473; Mar. 18.
Dissector tube. P. T. Farnsworth. 2,235,477; Mar. 18.
Door. R. B. Westmoreland. 2,235,413; Mar. 18.
Door cabinet, Duplex. H. Derman. 2,235,573; Mar. 18.
Door construction, Refrigerator cabinet. V. Koropchak. 2,235,434; Mar. 18.
Door operating system for elevators. H. V. McCormick. 2,235,381; Mar. 18.
Door operator, Elevator. H. V. McCormick. 2,235,380; Mar. 18.
Door operator, Elevator. A. C. Radeeff. 2,235,384; Mar. 18.
Draft rigging, Railway. A. J. Bazeley. 2,235,194; Mar. 18.
Drawwork. J. S. Morgan, Jr. 2,235,080; Mar. 18.
Drawwork. J. D. Spalding. 2,235,088; Mar. 18.
Drive assembly, Slip coupling. A. Kuhns. 2,235,501; Mar. 18.
Drive, Engine starter. Y. Sekella. 2,235,121; Mar. 18.
Drive, Torque controlled. R. W. Bailey. 2,235,192; Mar. 18.
Drive, Universal. C. B. Harris. 2,235,427; Mar. 18.
Drying process. A. C. Horesi. 2,235,083; Mar. 18.
Dual agency washer. W. Rocke. 2,235,045; Mar. 18.
Dump body construction. E. R. Barrett. 2,235,136; Mar. 18.
Duplicating machine. A. Marchev. 2,234,973; Mar. 18.
Duplicating machine. E. L. Wall. 2,235,092; Mar. 18.
Duplicating mechanism. A. P. Rutherford. 2,235,170; Mar. 18.
Dyes, Stripping. R. W. Moncrieff. 2,235,234; Mar. 18.
Dyestuff containing the arseno group and the manufacture of same, Azo. E. A. H. Friedheim. 2,235,478; Mar. 18.
Dyestuffs, Diaryl-monoindolyl-methane. P. H. Wolff and K. Frank. 2,235,511; Mar. 18.
Dynamic deaerator and water heater. H. J. Schneider. 2,235,593; Mar. 18.
Dynamic deaerator heater. H. J. Schneider. 2,235,592; Mar. 18.
Earth materials solid, Rendering. C. S. Ackley. 2,235,693; Mar. 18.
Easel, Photographic enlarging. P. Porcelli and H. Landry. 2,235,463; Mar. 18.
Educational device. A. F. Herlihy. 2,235,801; Mar. 18.
Egg cleaning machine. J. P. J. Manggaard. 2,235,404; Mar. 18.
Electric control system. G. W. Garman. 2,235,551; Mar. 18.
Electric discharge lamp. A. Lederer. 2,235,711; Mar. 18.
Electric incandescent lamp. H. J. Lemmens and J. A. M. Smelt. 2,235,713; Mar. 18.
Electric iron. J. J. Gough. 2,235,479; Mar. 18.
Electric outlet, Flush floor. D. S. Ross. 2,234,982; Mar. 18.
Electric steam generator. J. M. Stucker. 2,235,303; Mar. 18.
Electrical cable. M. H. Savage and L. H. Hitchcock. 2,235,536; Mar. 18.
Electrical connection for hermetically sealed units. R. L. Henry and H. J. Loftis. 2,235,429; Mar. 18.
Electrical connector. D. C. Jones. 2,235,020; Mar. 18.
Electrical connector. M. A. Mattis. 2,235,231; Mar. 18.
Electrical connector. W. R. Young. 2,235,545; Mar. 18.
Electrical machine. G. A. Gillen. 2,235,151; Mar. 18.
Electrical precipitator device. R. A. Nielsen, G. W. Hewitt, and P. H. Wyckoff. 2,235,081; Mar. 18.
Electrical resistance. R. P. Mattern. 2,235,709; Mar. 18.
Electrode connection for electric signs. H. L. Kresge. 2,235,640; Mar. 18.
Electrolytic condenser. E. C. Wahlberg. 2,235,344; Mar. 18.
Electromagnetic core. E. E. Franz. 2,235,425; Mar. 18.
Electromagnetic relay. O. A. Pearce and J. S. W. Graham. 2,235,038; Mar. 18.
Electron discharge apparatus. J. W. Conklin and R. Serrell. 2,235,669; Mar. 18.
Electron discharge device. A. V. Haeff. 2,235,016; Mar. 18.
Electron discharge device. E. W. Herold. 2,235,408; Mar. 18.
Electron discharge device, High frequency. O. Heil 2,235,497; Mar. 18.
Electronic apparatus. E. L. C. White. 2,235,659; Mar. 18.
Electronic tube circuit. G. H. P. Alma and J. L. H. Jonker. 2,235,190; Mar. 18.
Electrostatic condenser. S. Ruben. 2,235,566; Mar. 18.
Engine: *See*—
  Internal combustion engine.
Engine and operating the same, Internal combustion. R. E. Hoffmann. 2,235,710; Mar. 18.
Ester condensation products and producing the same. T. F. Bradley and W. B. Johnston. 2,235,447; Mar. 18.
Esters and producing the same. T. F. Bradley and W. B. Johnston. 2,234,958; Mar. 18.
Ethers, Glucoside. E. V. White. 2,235,784; Mar. 18.
Ethers of glucosides. E. V. White. 2,235,783; Mar. 18.
Ethers, Pentoside. E. V. White. 2,235,786; Mar. 18.
Ethers, Sorbitol. E. V. White. 2,235,785; Mar. 18.
Exploration with electric impulses. S. Bilinsky. 2,234,956; Mar. 18.
Explosive compositions or blasting charges, Manufacture of. V. H. Williams. 2,235,060; Mar. 18.
Explosives, Cartridging of gelatinous and semigelatinous blasting. V. H. Williams. 2,235,059; Mar. 18.
Extractor: *See*—
  Juice extractor.
Fabric: *See*—
  Pile fabric.
Fabric and making the same, Laminated elastic. M. C. Teague and T. G. Hawley, Jr. 2,235,690; Mar. 18.
Fabric, Making elastic ply. T. G. Hawley, Jr. 2,235,682; Mar. 18.
Fan, Suction operated. E. C. Horton. 2,235,763; Mar. 18.
Fastener: *See*—
  Corrugated fastener. Snap fastener.
Fasteners, Manufacture of slide. E. Kalweit. 2,235,373; Mar. 18.
Fastening device. O. A. Berman. 2,235,794; Mar. 18.
Feeder: *See*—
  Poultry feeder.
Feeding mechanism. J. B. Potoczky. 2,235,111; Mar. 18.
Fibers, Mechanically drawing. G. Slayter and J. H. Thomas. 2,234,986; Mar. 18.
Figure, Animated. L. J. Herte. 2,235,636; Mar. 18.
Film, Combined sound and color picture. A. Miller. 2,235,033; Mar. 18.
Film editing device, Sound. N. Levinson. 2,235,029; Mar. 18.
Films in color or in relief, Method and apparatus for projecting and for copying by projection lenticular. A. H. J. de Lassus Saint Genies. 2,235,206; Mar. 18.
Filter arrangement, Electric. W. Hagen. 2,235,018; Mar. 18.
Filter bed cleaning. C. Lose, Jr. 2,235,227; Mar. 18.
Filter unit for respirators. N. Schwartz. 2,235,624; Mar. 18.
Fingerprinting. W. Heinecke. 2,235,632; Mar. 18.
Fire extinguishing device, Hand operated. L. O. Evans. 2,235,577; Mar. 18.
Fireplace. D. H. Hayden. 2,235,428; Mar. 18.
Fish bait or lure, Semiartificial. C. A. Ammerman. 2,235,600; Mar. 18.
Fish landing device. J. P. Jyrkas. 2,235,371; Mar. 18.
Fish lure. W. W. Albers. 2,235,000; Mar. 18.
Fish lure. L. A. Winter. 2,235,597; Mar. 18.
Fishing tackle float. P. Ramsdell. 2,235,236; Mar. 18.
Flashlight. W. R. Kopp. 2,235,024–5; Mar. 18.
Flashlight. W. M. Lennan. 2,234,972; Mar. 18.
Flashlight. W. M. Lennan. 2,235,714; Mar. 18.
Fluid transmission, Electrically controlled. J. Jandasek. 2,235,370; Mar. 18.
Fluids in wells, Determination of densities of. R. T. Cloud. 2,235,064; Mar. 18.
Fly book for fishermen. G. P. Heiner. 2,235,369; Mar. 18.
Folding chair. W. C. Rastetter. 2,235,775; Mar. 18.
Foods, Freezing and packaging. R. P. Fletcher, Jr. 2,235,200; Mar. 18.
Footwear construction. F. H. Wolfhard and L. C. Woodall. 2,235,694; Mar. 18.
Forgings, Production of light metal. H. Altwicker. 2,235,415; Mar. 18.
Form, Insurance. A. Juhl. 2,235,259; Mar. 15.
Formaldehyde sulphoxylate derivatives of diphenyl-sulphides, -disulphides, -sulphoxides, and -sulphones, and methods of production. S. M. Rosenthal and H. Bauer. 2,234,981; Mar. 18.
Frame: *See*—
  Harness frame. Side frame.
  Printing frame.
Frequency indicator. W. H. C. Higgins. 2,235,521; Mar. 18.
Fruit juices, Expressing. H. T. Lee, C. C. Taylor, and J. W. Lindsey. 2,235,028; Mar. 18.
Fuel, Antiknock motor. A. J. van Peski, N. Max, J. A. van Melsen, and P. L. Stedehouder. 2,235,466; Mar. 18.
Fuel controlling device for internal combustion engines. P. H. Diehl. 2,234,966; Mar. 18.
Furnace: *See*—
  Heating furnace.
Furnace control. A. E. Krogh. 2,235,219; Mar. 18.
Furnace wall structure. C. M. Fixman. 2,235,740; Mar. 18.
Fuse. T. Birkenmaier. 2,235,666; Mar. 18.
Fuseheads, Manufacture of. B. Campbell. 2,235,009; Mar. 18.
Game board. J. E. Huffaker. 2,235,615; Mar. 18.
Gas burner. T. Symmonds. 2,235,689; Mar. 18.
Gas generator for heat treating atmospheres. J. R. Gier, Jr. 2,235,401; Mar. 18.

Gas mixtures for catalyst reactivation, Production of. R. Pyzel. 2,235,166; Mar. 18.
Gate for poultry, Return. C. W. Simonds. 2,234,985; Mar. 18.
Gauge: *See*—
  Camber and caster gauge.
Gauge for spindles and the like. J. E. O'Donnell. 2,235,383; Mar. 18.
Gear: *See*—
  Beaching gear.
Gear speed reducer and the like. W. G. Jones, Jr. 2,235,485; Mar. 18.
Gearing. A. Tangen. 2,235,179; Mar. 18.
Gearing, Starter. W. L. McGrath. 2,235,076; Mar. 18.
Generator: *See*—
  Constant frequency generator. Lightning stroke generator.
  Electric steam generator. Saw-tooth wave generator.
Generator and power plant therefor. A. W. Kimball. 2,235,075; Mar. 18.
Generator for ultra short wave lengths, Polyphase. E. D. McArthur. 2,235,527; Mar. 18.
Geneva mechanism, Adjustable. T. H. Sloan. 2,235,047; Mar. 18.
Gin, Short ribbed huller. J. J. Wallace. 2,235,469; Mar. 18.
Glass sheet glazing unit and making the same, Multiple. C. D. Haven and J. J. Hopfield. 2,235,680; Mar. 18.
Glass sheet glazing unit, Multiply. C. D. Haven and J. J. Hopfield. 2,235,681; Mar. 18.
Glassware forming machine. C. R. Vining and I. C. Hamilton. 2,235,129; Mar. 18.
Glucosides, Aryl alkyl. E. V. White. 2,235,790; Mar. 18.
Glucosides of glucose ethyl ether esters, Substituted aryl. E. V. White. 2,235,788; Mar. 18.
Glue and manufacture therefor. C. N. Cone. 2,235,202; Mar. 18.
Glycerol from still residues from fermentation processes, Recovery of. R. A. Walmesley. 2,235,056–7; Mar. 18.
Golf practicing device. K. I. Connell. 2,235,358; Mar. 18.
Goods, Manufacture of dipped. C. L. Beal. 2,235,445; Mar. 18.
Governor, Speed. F. Henning and H. Wüsteney. 2,235,481; Mar. 18.
Grain breaker. E. Laxo. 2,235,377; Mar. 18.
Grain, Drying. W. V. Hukill. 2,235,748; Mar. 18.
Grease pump. F. E. Wold. 2,235,544; Mar. 18.
Greaseproofing with low ethoxy ethyl cellulose. H. C. Kelly. 2,235,765; Mar. 18.
Grinder, Crankshaft. A. J. Brazil. 2,235,417; Mar. 18.
Grinding machine. M. I. Mathewson and A. L. Krause. 2,235,558; Mar. 18.
Gripping device. C. E. Cleveland. 2,235,313; Mar. 18.
Grounding clamp. J. T. Trehern. 2,235,274; Mar. 18.
Guard, Rail. J. H. Asselin. 2,235,248; Mar. 18.
Guiding device for slicing machines. J. J. Waage. 2,235,509; Mar. 18.
Gun, Electric. A. A. Cole. 2,235,201; Mar. 18.
Hand propelled vehicle. A. Rouning. 2,235,042; Mar. 18.
Handle: *See*—
  Utensil handle.
Hanger: *See*—
  Cable hanger.
Harness frame. J. E. Blanchard. 2,235,512; Mar. 18.
Harvester, Beet. J. A. Betty. 2,235,470; Mar. 18.
Headband, Receiver. O. Kalbitz. 2,235,372; Mar. 18.
Headgear. E. L. Susser. 2,235,805; Mar. 18.
Headlight, Utility. H. P. Waechter. 2,234,995; Mar. 18.
Heat exchanger, Liquid and vapor. G. W. Walker and H. B. Morrow. 2,235,806; Mar. 18.
Heat scatterer. J. M. Miller. 2,235,461; Mar. 18.
Heater: *See*—
  Dynamic deaerator and Dynamic deaerator heater, water heater.
Heater. L. P. Hynes. 2,235,764; Mar. 18.
Heating and ventilating apparatus. F. A. Kitchen. 2,235,500; Mar. 18.
Heating and ventilating system. F. P. Grutzner. 2,235,152; Mar. 18.
Heating furnace, Continuous. G. R. McDermott. 2,235,771; Mar. 18.
Heating unit for electrical cooking devices. S. S. Vineberg. 2,235,091; Mar. 18.
Heel, Conformation. M. A. Elliott. 2,232,256; Mar. 18.
Hemacytometer. W. Bausch. 2,235,310; Mar. 18.
Hexoses, Halogen acyl alkyl. E. V. White. 2,235,787; Mar. 18.
High voltage disconnecting switch. A. E. Brock and E. H. Gremminger. 2,235,253; Mar. 18.
Hinge and making members therefor. W. J. Tierney. 2,235,241; Mar. 18.
Hoist. W. C. Anthony. 2,235,246; Mar. 18.
Holder: *See*—
  Bobbin holder.
  Key holder.
  Mantel holder. Sack holder.
  Matchcase and picture holder. Shoe holder.
  Vein holder.
Holder for attachment to shelves, Package. G. D. Wiepert. 2,235,660; Mar. 18.
Holder for machine tools, Discharge nozzle. H. Klema. 2,235,582; Mar. 18.
House car. D. D. Arehart. 2,235,662; Mar. 18.
Houses of artificial stone, Building. A. F. Bomgren. 2,235,603; Mar. 18.
Housing for battery terminal clamps. A. W. Bak. 2,235,062; Mar. 18.
Humidifier valve. H. W. Morgan. 2,235,721; Mar. 18.
Hydrocarbon conversion. G. B. Zimmerman. 2,235,133; Mar. 18.
Hydrogenated products, Voltolization of. W. J. Sweeney. 2,235,124; Mar. 18.
Hydrohalides of pseudotropine benzilic acid ester. O. Wolfes and O. Hromatka. 2,235,661; Mar. 18.
Ice crushing machine. P. F. Koch. 2,235,217; Mar. 18.
Impulse clutch. D. E. Marsh. 2,235,379; Mar. 18.
Impulse receiving arrangement for telephone or like systems. W. T. Vosper. 2,235,343; Mar. 18.
Indicator: *See*—
  Frequency indicator.
Indicator for thermostatially controlled flatirons, Adjustable. J. W. Myers. 2,235,723; Mar. 18.
Insulating body, Ceramic electric. W. Rath. 2,235,489; Mar. 18.
Insulation, Building. A. Wenzel. 2,235,542; Mar. 18.
Insulation, Making tubular. W. F. Fischer. 2,235,630; Mar. 18.
Insulator. C. M. Fleener. 2,235,102; Mar. 18.
Insulator mounting. G. Tkach. 2,234,989; Mar. 18.
Internal combustion engine, Portable. D. R. Clarke. 2,235,140; Mar. 18.
Internal combustion engine, Reversible two-stroke. E. O. P. Thege and O. V. Fixen. 2,235,050; Mar. 18.
Interrupter. C. B. Moore. 2,235,560; Mar. 18.
Iron: *See*—
  Electric iron.
Irrigation ditcher. R. C. Chattin. 2,235,670; Mar. 18.
Isocolloids, Modification of the physical properties of organic. L. Auer. 2,234,949; Mar. 18.
Jack: *See*—
  Lifting jack.
Jewelry ornament. C. Schraysshuen. 2,235,120; Mar. 18.
Joint: *See*—
  Universal joint.
Joint between the electrode and the ceramic body, Gastight. A. Möhrle and E. Sachs. 2,235,325; Mar. 18.
Juice extractor. A. W. Gould. 2,235,744–5; Mar. 18.
Juicing machine. A. W. Gould. 2,235,746; Mar. 18.
Ketones, Producing chlorinated. E. J. Rahrs. 2,235,562; Mar. 18.
Key case. J. W. Calhoon. 2,235,606; Mar. 18.
Key holder. H. T. Lucas. 2,235,526; Mar. 18.
Knitting machine and operating same, Circular. A. L. Pass. 2,235,726; Mar. 18.
Knitting method. N. F. Lahr. 2,235,455; Mar. 18.
Label for fabrics. R. C. Epworth. 2,235,703; Mar. 18.
Label, Wrapping. P. Wohlers. 2,235,791; Mar. 18.
Lamp: *See*—
  Electric discharge lamp. Slit lamp.
  Electric incandescent lamp. Thermostatic flasher lamp.
Lamp and similar devices, Electric. E.-G. Andresen. 2,235,135; Mar. 18.
Lamps, Manufacture of miniature. W. E. Carpenter. 2,235,515; Mar. 18.
Latch structure, Vehicle door. H. W. Rightmyer. 2,235,117; Mar. 18.
Lathe, Automatic turret. E. Leissner. 2,235,073; Mar. 18.
Lathe, Turning. W. Möbius. 2,235,079; Mar. 18.
Lawn mower cutter bar. C. E. Wise. 2,235,061; Mar. 18.
Leg attaching means, Artificial. E. R. Dye. 2,235,142; Mar. 18.
Level, Liquid. B. A. Diggins and G. B. Gallasch. 2,235,314; Mar. 18.
Lever mechanism, Operating. W. S. Saunders. 2,235,238; Mar. 18.
Lifting jack. M. B. Lucker. 2,234,970; Mar. 18.
Light: *See*—
  Mirror light.
Lighter, Cigar. G. J. Pistey. 2,235,750; Mar. 18.
Lightning stroke generator. C. W. Diehl. 2,235,399; Mar. 18.
Liner, Curvilinear collar. J. V. Moore. 2,235,294; Mar. 18.
Lining, Basket. T. J. Mellon. 2,235,293; Mar. 18.
Liquefied gas tank. R. B. Fannin. 2,235,424; Mar. 18.
Lock washer. J. A. McGrew. 2,235,234; Mar. 18.
Locking device. H. Hornschuch. 2,235,684; Mar. 18.
Logging yarder. P. B. Kelly. 2,232,215; Mar. 18.
Loom. M. A. Goldman and J. O. Hunt. 2,235,760; Mar. 18.
Lotion dispenser. V. Anderson. 2,235,350; Mar. 18.
Lubricant capable of carrying heavy loads. A. J. Morway and J. C. Zimmer. 2,235,161; Mar. 18.
Lubricating apparatus. A. F. Berger. 2,235,793; Mar. 18.
Lubricating device for aircraft engines. M. Duckstein. 2,235,422; Mar. 18.
Lubricating device for electric switches. E. Schimann. 2,235,334; Mar. 18.
Lubricator equipment, Locomotive driving box. M. H. Roberts, 2,235,409; Mar. 18.

Luminescent substance for electric discharge vessels. P. Lemaigre-Voreaux. 2,235,802; Mar. 18.
Machine for assembling roller bearings. H. A. Ortegren and C. C. Howenstine. 2,235,084; Mar. 18.
Machine for compacting material in containers. D. Belcher and H. V. Kindseth. 2,234,953; Mar. 18.
Machine for finishing ends of tubing. L. E. Poole. 2,235,083; Mar. 18.
Machine for folding flat linen and the like. H. L. L. Jésus. 2,235,484; Mar. 18.
Machine for making tubs and the like. A. M. Walstrom. 2,235,270–1; Mar. 18.
Machine for vacuumizing and crown capping containers. A. L. Kronquest and O. A. Schmitt. 2,235,583; Mar. 18.
Machine transmission and control mechanism, Milling. E. G. Roehm and H. Fritschi. 2,235,085; Mar. 18.
Magnetostrictive effects in magnetic materials, Reducing. D. M. Hayes and D. S. Wolford. 2,234,968; Mar. 18.
Magnetron. W. Espe. 2,235,517; Mar. 18.
Magnetron tube. D. G. C. Luck. 2,235,767; Mar. 18.
Manifolding. C. W. Brenn. 2,235,197; Mar. 18.
Mantel holder. H. W. Strong. 2,235,240; Mar. 18.
Manually propelled vehicle. A. Ronning. 2,235,041; Mar. 18.
Manually propelled vehicle. A. Ronning. 2,235,045; Mar. 18.
Marker Road. H. N. Carver. 2,235,285; Mar. 18.
Masonry. M. D. Schäfer. 2,235,646; Mar. 18.
Match book. H. R. Fancher. 2,235,739; Mar. 18.
Match box support. D. O. Ford. 2,235,741; Mar. 18.
Match package. R. K. Newton and I. C. Prafke. 2,235,724; Mar. 18.
Material and making the same, Plastic sheet. R. T. K. Cornwell. 2,235,516; Mar. 18.
Material, Floor and wall covering. H. Strauch. 2,235,507; Mar. 18.
Material, Offset preventing. H. F. Gardner. 2,235,676; Mar. 18.
Material particles, Classification and separation of. E. L. Wiegand. 2,235,305; Mar. 18.
Material, Treating nitrated. B. P. Sutherland, G. T. Shaw, and D. D. Morris. 2,235,178; Mar. 18.
Materials containing organic derivatives of cellulose, Printing textile. H. Platt. 2,235,165; Mar. 18.
Materials, Preheating moldable. S. T. Moreland. 2,235,324; Mar. 18.
Materials, Treatment of artificial. H. Dreyfus and R. W. Moncrieff. 2,235,141; Mar. 18.
Materials with anthraquinone dyestuffs, Coloration of textile and other. G. H. Ellis and H. C. Olpin. 2,235,208; Mar. 18.
Matrix and pressure plate attachment for tire molds. B. A. Glynn. 2,235,292; Mar. 18.
Mattress or cushion. A. J. Schob. 2,235,538; Mar. 18.
Mechanical movement. A. Cory. 2,235,420; Mar. 18.
Medical appliance. S. v. Laub. 2,235,436; Mar. 18.
Merchandise handling apparatus. J. Pearlman. 2,235,727; Mar. 18.
Metal alloy. L. A. McElroy. 2,235,232; Mar. 18.
Metal, Making composite. T. B. Chace. 2,235,200; Mar. 18.
Metal, Shearing normally brittle sheet. R. T. Reardon. 2,235,532; Mar. 18.
Metal with aluminum, Coating. M. Schon. 2,235,729; Mar. 18.
Methyl ketene and propionic anhydride, Manufacture of. G. F. Nadeau and C. J. Malm. 2,235,561; Mar. 18.
Microphone control system. I. R. Goshaw. 2,235,518; Mar. 18.
Microphone support. B. F. Ryan. 2,235,505; Mar. 18.
Milling machine. R. M. Wohlfarth and P. A. Mitter. 2,235,444; Mar. 18.
Mills, Cooling piercing points of tube rolling. J. W. Kelso. 2,234,971; Mar. 18.
Mirror light. W. R. Morey. 2,235,109; Mar. 18.
Mixing valve. F. Slezak. 2,235,651; Mar. 18.
Modulator. R. B. Dome. 2,235,549; Mar. 18.
Mold charging mechanism. J. Lauterbach. 2,235,222; Mar. 18.
Mold container. J. F. Hines. 2,235,451; Mar. 18.
Mold jacket. D. A. Collings. 2,235,448; Mar. 18.
Molds and ingots, Method of and apparatus for handling. W. L. Ditges. 2,235,610; Mar. 18.
Molding apparatus. C. Mackert. 2,235,440; Mar. 18.
Mop. K. S. Rogers. 2,235,264; Mar. 18.
Motion checking device. H. D. Newhart. 2,234,975; Mar. 18.
Motor: *See*—
Reciprocating motor. Rotary air motor.
Motor frame construction, Electric. E. C. Ballman. 2,235,807; Mar. 18.
Mounting: *See*—
Insulator mounting. Spectacle mounting.
Mounting attachment for telephone instruments. K. E. Hammer. 2,235,678; Mar. 18.
Mounting for a package carrier, Vat. H. S. Drum, W. H. Jaxheimer, and E. E. Saalfrank. 2,235,254; Mar. 18.
Mounting for variable condensers, Stator. J. H. Teaf. 2,235,180; Mar. 18.
Muffler. L. L. Haas and G. C. Starkweather. 2,235,705; Mar. 18.
Musical composition writing apparatus. W. F. Allen, Jr. and E. J. Clark. 2,234,948; Mar. 18.
Musical instrument, Stringed. D. A. Maffei and C. C. Doerr. 2,235,717–18; Mar. 18.
Nail and director, Fracture. J. J. Callahan and C. Scuderi. 2,235,419; Mar. 18.
Nickel alloys and treating the same. C. G. Bieber and M. P. Buck. 2,234,955; Mar. 18.
Nicotine and other organic substances from tobacco, Extracting and recovering. L. M. Rader. 2,235,589; Mar. 18.
Nozzle, Fire extinguishing. W. W. Jones. 2,235,258; Mar. 18.
Nozzle, Suction. A. A. Forsberg. 2,235,674; Mar. 18.
Nozzle, Suction. G. E. Lofgren. 2,235,224; Mar. 18.
Nozzle, Suction. G. E. Lofgren and A. E. Ross. 2,235,226; Mar. 18.
Nozzle, Suction. A. E. Ross. 2,235,225; Mar. 18.
Nut and screw fastening. J. Meisterhans. 2,235,078; Mar. 18.
Nut, Grip. R. I. Markey. 2,235,405; Mar. 18.
Oil and water emulsions, Resolution of. F. C. Koch. 2,235,639; Mar. 18.
Oil burning apparatus. F. Bachmann. 2,235,664; Mar. 18.
Oil, Manufacture of an improved tall. H. R. Murdock. 2,235,462; Mar. 18.
Oils for subsequent cracking, Method and apparatus for treating a plurality of heavy hydrocarbon. E. A. Ocon. 2,235,329; Mar. 18.
Oils, resin oils, resin balms, and the like, Refinement of copal. R. Endres. 2,235,702; Mar. 18.
Olefins, Concentrating and storing. R. F. Robey. 2,235,119; Mar. 18.
1,4,5,8-tetra-amino-anthraquinone, Manufacture of. P. Bludow. 2,235,570; Mar. 18.
Ores, System for roasting. H. Bullard. 2,235,311; Mar. 18.
Oscillator-modulator circuit. K. Elsele and H. Fahrnschon. 2,235,576; Mar. 18.
Oscillator, Relaxation. F. E. Blount and A. K. Schenck. 2,235,667; Mar. 18.
Oven, Commercial baking. J. V. Cook. 2,235,476; Mar. 18.
Oxides, Reduction of metallic. A. J. Jones. 2,235,154; Mar. 18.
Packages, Vacuum sealing. S. H. Berch. 2,235,394; Mar. 18.
Packaging machine. D. Belcher. 2,234,951; Mar. 18.
Packing, Lubricated. G. P. Leistensnider. 2,235,438; Mar. 18.
Packing ring. P. M. Gilmer. 2,235,508–9; Mar. 18.
Padding, Knitted. F. J. Ford. 2,235,065; Mar. 18.
Paper filler, Producing. J. E. Plumstead. 2,235,531; Mar. 18.
Paper, Grease-proofing. W. R. Collings, F. C. Peterson and H. C. Kelly. 2,235,798; Mar. 18.
Parachute. A. R. Thörnblad. 2,235,657; Mar. 18.
Paring tool. J. M. Maskulka and S. Zdelar. 2,235,323; Mar. 18.
Partition structure. W. M. Goldsmith. 2,235,761; Mar. 18.
Passages, Measuring cross section of. I. S. Roberts. 2,235,533; Mar. 18.
Pen and walking device, Play. G. B. Wisecarver. 2,235,598; Mar. 18.
Pentoses, Halogen acyl alkyl. E. V. White. 2,235,789; Mar. 18.
Phase relay control for split phase motors. E. J. Schaefer. 2,235,537; Mar. 18.
Phonograph. A. S. Wells. 2,235,693; Mar. 18.
Photographic element and making the same, Sensitized. M. Goodman. 2,235,426; Mar. 18.
Photographic sensitizer. K. Kumetat and G. Wilmanns. 2,235,027; Mar. 18.
Photomechanical reproduction, Direct. F. G. Yanes. 2,234,997; Mar. 18.
Picker, Mechanical poultry. E. E. McMahan and A. Charlebois. 2,235,619; Mar. 18.
Picture reproducing apparatus for television systems. W. Soller. 2,234,987; Mar. 18.
Picture tilting apparatus, Motion. W. J. Brown, Jr. 2,235,355; Mar. 18.
Pile fabric. F. Sudell. 2,235,732; Mar. 18.
Piler end stop. W. A. Zahutnik. 2,235,347; Mar. 18.
Pinion, Starting. S. Jencick. 2,235,430; Mar. 18.
Pipe: *See*—
Tobacco pipe.
Pipe. F. Bendix. 2,234,952; Mar. 18.
Pipe-forming machine. F. W. Haversack. 2,235,553; Mar. 18.
Piston. Z. A. Bruegger. 2,235,475; Mar. 18.
Piston machine with crankshaft. F. Ljungström. 2,235,160; Mar. 18.
Piston ring. O. G. Norton and T. E. McFall. 2,235,297; Mar. 18.
Plate for punch holders, Stripper. E. A. Baumbach. 2,234,945; Mar. 18.
Plates from cement and fibrous material on board-making machines, Preparing porous. S. Schless. 2,235,176; Mar. 18.
Platform and back splasher structures, Forming range. E. H. Stall and C. E. Shiplet. 2,235,090; Mar. 18.
Platform, Cargo loading and unloading. L. Matarese. 2,235,720; Mar. 18.

Platform, Portable. G. D. Shanahan, C. C. Huffman, and E. R. Warnke. 2,235,647; Mar. 18.
Plug: *See*—
Cork plug.
Plug and receptacle, Electric. C. J. Saunders. 2,235,535; Mar. 18.
Plug and socket. H. B. Jones. 2,235,155; Mar. 18.
Pole climbers, Manufacturing. A. J. Lawson. 2,235,437; Mar. 18.
Polymers of conjugated dienes and unsaturated nitriles, Processing of mixed. R. H. Gerke. 2,235,149; Mar. 18.
Polymers, Purification of halogen-containing. E. C. Britton and F. L. Taylor. 2,235,796; Mar. 18.
Position finder. H. Stark. 2,235,177; Mar. 18.
Pot, Self-feeding flower or plant. H. E. Tracey. 2,234,992; Mar. 18.
Potential measuring apparatus. J. A. Victoreen. 2,235,268; Mar. 18.
Pottery with incised or incrusted designs, Manufacturing. G. A. Bauer. 2,235,665; Mar. 18.
Poultry feeder. C. E. Hedrick. 2,235,520; Mar. 18.
Powder, Manufacture of smokeless. F. Olsen. 2,235,298; Mar. 18.
Power governor. B. G. Murphy, Jr. 2,235,327; Mar. 18.
Power transmission. J. Buchhart. 2,235,418; Mar. 18.
Power unit for trailers, Portable auxiliary. I. W. Simpkins and E. R. Nelson. 2,235,175; Mar. 18.
Press: *See*—
Rotary finishing press.
Pressure responsive indicating instrument, Temperature compensated. F. J. Ottley. 2,235,110; Mar. 18.
Printing frame, Textile. R. E. Bitner. 2,235,063; Mar. 18.
Printing means for labeling machines and the like. G. W. von Hofe. 2,235,054; Mar. 18.
Printing plate with exchangeable riders, Addressing. J. Krell. 2,235,376; Mar. 18.
Printing plates, Making rubber. R. D. Gartrell. 2,235,148; Mar. 18.
Projection device. C. E. Elliott and F. Shaven. 2,235,701; Mar. 18.
Projection screen. R. E. Barclay. 2,234,950; Mar. 18.
Propeller blades, Making aircraft. J. H. McKee. 2,235,032; Mar. 18.
Protector: *See*—
Shoe protector.
Protector for harvesters, Canvas. A. Biesemeyer. 2,235,602; Mar. 18.
Pruning implement. J. G. Rieff. 2,235,564; Mar. 18.
Pump: *See*—
Accelerating pump. Variable capacity pump.
Grease pump. Variable stroke pump.
Sand pump.
Pump device, Water. G. S. Shupe. 2,235,174; Mar. 18.
Pump for internal combustion engines, Fuel. P. W. Trier. 2,235,052; Mar. 18.
Quota control system. E. M. Bouton, D. Santini, and H. W. Williams. 2,235,395; Mar. 18.
Rack: *See*—
Advertising display rack. Sucker rod rack.
Automobile carrier rack.
Rack for silverware display cases, Display. J. D. Shaw. 2,235,649; Mar. 18.
Radio antenna system. M. Bruce. 2,235,139; Mar. 18.
Radio location finder. C. J. Rasmussen. 2,234,980; Mar. 18.
Radio receiving device. H. Penner. 2,235,040; Mar. 18.
Radio remote control. D. G. C. Luck. 2,235,768; Mar. 18.
Radio system, Ultra short wave. S. A. Schelkunoff. 2,235,506; Mar. 18.
Radio tuning device. W. H. Murray. 2,235,722; Mar. 18.
Radiograph apparatus. A. E. Colcher. 2,235,143; Mar. 18.
Radiographic apparatus. A. E. Colcher. 2,235,144; Mar. 18.
Railway house car. F. Ditchfield. 2,235,449; Mar. 18.
Raisin stemming apparatus. L. Kilner. 2,235,320; Mar. 18.
Razor blade receptacle. H. B. Dickson. 2,235,690; Mar. 18.
Reagent, Art of reclaiming. H. Waterman. 2,235,658; Mar. 18.
Receptacle: *See*—
Razor blade receptacle.
Reciprocating motor. K. G. Östberg. 2,235,586; Mar. 18.
Rectifiers, Manufacture of selenium and like. L. E. Thompson. 2,235,051; Mar. 18.
Reed. C. P. Beaver. 2,235,276; Mar. 18.
Refractory composition. J. C. McMullen. 2,235,077; Mar. 18.
Refrigerating apparatus and method. P. A. Bancel and A. Kirgan. 2,235,696; Mar. 18.
Refrigeration means and method. V. V. Torbensen. 2,235,125; Mar. 18.
Regenerative repeater. E. F. Watson. 2,235,411; Mar. 18.
Regulator. R. A. Geiselman. 2,235,400; Mar. 18.
Regulator: *See*—
Speed regulator.
Regulator system. D. E. Trucksess. 2,235,491; Mar. 18.
Relay, Electric. H. W. Williams and D. H. Baum. 2,235,391; Mar. 18.
Relay, Inductor type electric. H. Greenly. 2,235,104; Mar. 18.
Relay system, High-speed. E. L. Harder. 2,235,402; Mar. 18.
Remote control system. W. V. Roberts. 2,235,169; Mar. 18.
Resins, Preparation of phenolic. E. H. Balz. 2,235,193; Mar. 18.
Ring: *See*—
Closure securing ring. Piston ring.
Packing ring.
Rod baking method and means. C. F. Mayer. 2,235,559; Mar. 18.
Rod structure for engines, Connecting. C. L. Lawrance. 2,235,486; Mar. 18.
Rodent trap. M. C. Jacobs. 2,235,483; Mar. 18.
Rodent trap. W. E. Russell. 2,234,983; Mar. 18.
Roll stabilizing device. R. Eksergian and H. K. Harwick. 2,235,362; Mar. 18.
Roofing. E. R. Dearborn. 2,235,758; Mar. 18.
Rotary cutter. G. A. De Vlieg. 2,234,965; Mar. 18.
Rotary finishing press. D. Gessner. 2,235,495; Mar. 18.
Rubber composition. J. C. Patrick. 2,235,621; Mar. 18.
Rule, Slide. E. Hirano. 2,235,106; Mar. 18.
Sack holder. R. Weston. 2,235,182; Mar. 18.
Safety clamp. R. P. Peebles. 2,235,587; Mar. 18.
Safety device for blasting cables. T. C. Luke and A. Mariotti. 2,235,585; Mar. 18.
Safety device for vehicles. E. R. Neeper. 2,235,328; Mar. 18.
Safety switch. B. E. Shaw. 2,235,337; Mar. 18.
Sand pump. F. H. Ohland. 2,234,977; Mar. 18.
Saw set. R. D. Ruiter. 2,235,591; Mar. 18.
Saw-tooth wave generator. H. A. Wheeler. 2,235,131; Mar. 18.
Screed, Adjustable. J. W. Heltzel. 2,235,105; Mar. 18.
Screen: *See*—
Projection screen.
Screen cloth for high speed vibrating screens. L. E. Soldan. 2,235,653; Mar. 18.
Screw driver. A. Werme. 2,235,781; Mar. 18.
Screw driver, Portable power-driven. R. E. Kellogg. 2,235,374; Mar. 18.
Screw propeller. E. Bugatti. 2,235,605; Mar. 18.
Seal construction, Oil. W. F. Bernstein. 2,235,735; Mar. 18.
Sealing device. S. F. Baker. 2,235,351; Mar. 18.
Sealing device. J. W. Culbertson. 2,235,572; Mar. 18.
Sealing means. S. H. Atkinson. 2,235,306–7; Mar. 18.
Sealing tool. F. S. Curtis. 2,235,738; Mar. 18.
Seat for an automotive cab, Spare. R. N. Sears. 2,235,751; Mar. 18.
Securing means. C. H. Mercer. 2,235,530; Mar. 18.
Seed separator. A. H. Cherry. 2,235,668; Mar. 18.
Seismic surveying, Modulated steady state reflection. N. R. Sparks. 2,235,089; Mar. 18.
Separator: *See*—
Seed separator.
Serving device. L. A. Leppke. 2,235,502; Mar. 18.
Setscrew, Self-locking. H. Koester. 2,235,435; Mar. 18.
Sewing machine. G. G. Gilbertson. 2,235,552; Mar. 18.
Sewing machine. M. L. Waterman. 2,235,753; Mar. 18.
Sewing machines, Attachment for. P. W. Valentine. 2,235,128; Mar. 18.
Shafting, Sheathed flexible. C. J. Wuestner. 2,235,189; Mar. 18.
Shaving or cutting device. J. Muros. 2,235,326; Mar. 18.
Sheet coating machine. J. C. Holdgate, C. Koelkebeck, and W. P. Donald. 2,235,522; Mar. 18.
Shield, Adjustable eye. R. G. Woodard. 2,235,599; Mar. 18.
Shield, Electrical. R. H. Worrall. 2,234,998; Mar. 18.
Shield for automobiles, Sun and glare. F. A. Devine. 2,235,421; Mar. 18.
Shield for welding torches, Safety. J. H. Smith. 2,235,594; Mar. 18.
Shingle, Asphalt strip. L. Herscovitz. 2,235,212; Mar. 18.
Shock-absorbing device. J. Mercier. 2,235,488; Mar. 18.
Shoe. J. K. Smith. 2,235,087; Mar. 18.
Shoe holder. G. F. Frazee. 2,235,066; Mar. 18.
Shoe protector. S. Saksa. 2,235,490; Mar. 18.
Shoe upper shaping machine. B. W. Freeman and J. G. Herbers. 2,235,363; Mar. 18.
Shoe uppers, Rear part of. A. L. Russell. 2,235,086; Mar. 18.
Shutter, Window. H. A. Krueger. 2,235,220; Mar. 18.
Side frame. R. B. Cottrell. 2,235,799; Mar. 18.
Siding, Simulated masonry. G. J. Snyder. 2,235,652; Mar. 18.
Signal: *See*—
Traffic signal.
Signal responsive device, Automatic. W. W. Macalpine. 2,235,804; Mar. 18.
Signal system. J. T. Stubbins. 2,235,123; Mar. 18.
Signal system, Noncode alarm. J. H. Wheelock. 2,235,272; Mar. 18.
Signal transmission system. B. G. Bjornson. 2,235,007; Mar. 18.
Signaling device. H. N. Carver. 2,235,280–4; Mar. 18.

Signaling system. J. M. Pelikan. 2,235,039; Mar. 18.
Signaling system, Railway. L. R. Allison and F. H. Nicholson. 2,235,134; Mar. 18.
Signaling system, Railway. R. R. Kemmerer. 2,235,156; Mar. 18.
Sintering, Method and apparatus. A. L. Labbe. 2,235,261; Mar. 18.
Ski fastening device. P. Pfeiffer. 2,235,164; Mar. 18.
Slicing machine. A. H. Ahrndt. 2,235,546; Mar. 18.
Slit lamp. F. W. Jobe. 2,235,319; Mar. 18.
Slug casting machine. P. Hilpman. 2,235,482; Mar. 18.
Snap fastener. H. J. Reiter. 2,235,167–8; Mar. 18.
Snatch block. C. K. Stillwagon. 2,235,302; Mar. 18.
Soap, Making. B. Clayton. 2,235,628; Mar. 18.
Socket or contact for electric plug or pin couplings. G. Wagstaff. 2,235,780; Mar. 18.
Socket, Thermionic tube. H. H. Eby. 2,235,207; Mar. 18.
Softener for polymerized materials. W. D. Wolfe. 2,235,623; Mar. 18.
Solder, Sliver. F. R. Hensel, K. L. Emmert, and J. W. Wiggs. 2,235,634; Mar. 18.
Sole cementing machine. C. A. Newhall. 2,234,974; Mar. 18.
Solids from liquids, Method of and apparatus for removing inorganic. W. R. Marshall. 2,235,450; Mar. 18.
Solvents from polymerized substances, Removing volatile. C. W. Tyson. 2,235,127; Mar. 18.
Sound recording system. A. C. Blaney. 2,235,513; Mar. 18.
Sound reproducer, Electrodynamic. H. C. Willson. 2,235,187; Mar. 18.
Sound reproducing machine, Automatic. R. R. Robinson. 2,235,301; Mar. 18.
Sound transducer. W. F. Steers. 2,235,654; Mar. 18.
Spark-plug tool. C. A. Schulz. 2,235,172; Mar. 18.
Spectacle mounting. M. R. McDanal. 2,235,406; Mar. 18.
Speed control for vehicles. S. S. Pulaski. 2,235,112; Mar. 18.
Speed drive, Variable. P. B. Reeves. 2,235,333; Mar. 18.
Speed regulator. F. H. Gulliksen. 2,235,403; Mar. 18.
Speed relay, High. W. P. Overbeck. 2,234,978; Mar. 18.
Speed transmission, Variable. L. E. Shaw. 2,235,122; Mar. 18.
Sphygmomanometer cuff or the like. H. L. Mason and K. H. Hubbard. 2,235,030; Mar. 18.
Spraying device. F. B. Brunner. 2,235,278; Mar. 18.
Spraying device. A. F. Jenkins. 2,235,708; Mar. 18.
Spring construction. H. Hopkes and A. Mouw. 2,235,554; Mar. 18.
Spring unit, Friction. D. F. Sproul. 2,234,988; Mar. 18.
Stack switch. B. E. Shaw. 2,235,338; Mar. 18.
Starter, Ignitron. R. F. Rennie. 2,235,504; Mar. 18.
Steel, Cladding. T. B. Chace. 2,235,199; Mar. 18.
Steering wheel switch. H. D. Geyer. 2,235,069; Mar. 18.
Stencil duplicating machine. A. Samuels. 2,235,778; Mar. 18.
Stenciling. J. E. Duggan. 2,235,288; Mar. 18.
Sterilizer using radiant energy, Electric. H. M. Muncheryan. 2,235,296; Mar. 18.
Stoker, Coal. A. E. Baum. 2,235,309; Mar. 18.
Strainer arrangement. A. R. Smith. 2,235,530; Mar. 18.
Stuffing box. I. L. Dunn, H. S. Crooks, and J. O. Lewis. 2,235,289; Mar. 18.
Sucker rod rack. C. A. Shope. 2,235,265; Mar. 18.
Sulphates and making same, Aliphatic. R. L. Brandt and J. Ross. 2,235,098; Mar. 18.
Sulphur dioxide in sulphite pulp manufacture, Method of and apparatus for recovery and utilization of. E. M. Frankel. 2,225,759; Mar. 18.
Superheater, Steam. J. H. Brown. 2,235,354; Mar. 18.
Support: *See*—
Adjustable support.
Bedclothes support.
Clothesline support.
Match box support.
Microphone support.
Support and steering assembly, Engine starter crank. J. G. Heuslet. 2,235,707; Mar. 18.
Support for concrete forms. F. D. Parmenter. 2,235,442; Mar. 18.
Supporting means, Adjustable. W. S. Saunders and T. A. McGregor. 2,235,237; Mar. 18.
Suppository-making machine. C. J. Westin. 2,235,345; Mar. 18.
Surfaces, Machining curved. W. H. Ford. 2,235,578; Mar. 18.
Surfacing means. M. H. Birger and C. D. Johnson. 2,235,446; Mar. 18.
Sweeper, Carpet. R. W. Kenyon. 2,235,432; Mar. 18.
Switch: *See*—
Cover switch.
High voltage disconnecting switch.
Safety switch.
Stack switch.
Steering wheel switch.
Switch. H. J. Murphy. 2,235,772–3; Mar. 18.
Switch construction. W. E. Haselwood. 2,235,366; Mar. 18.
Switch for electric heaters, Temperature limit. H. W. Wilkinson. 2,235,186; Mar. 18.
Switch housing. S. Miller. 2,235,382; Mar. 18.
Switch operating apparatus, Railway. K. J. J. McGowan. 2,235,031; Mar. 18.
System for directly transforming the frequency of polyphase alternating currents. M. Bosch. 2,235,474; Mar. 18.
Table. M. P. Exline and K. T. Kayne. 2,235,290; Mar. 18.
Taping instrument. D. L. Gorbatenko and A. J. Allgoewer. 2,235,704; Mar. 18.
Tampons, Making vaginal. F. P. Stamm. 2,235,465; Mar. 18.
Tank: *See*—
Liquefied gas tank.
Tea extract and producing the same. F. R. Eldred and R. N. Reed. 2,235,700; Mar. 18.
Telegraph keying system, Semiautomatic. I. Boor. 2,235,627; Mar. 18.
Telegraph system, Carrier frequency. G. Junga. 2,235,021; Mar. 18.
Telegraph system, Error checking. A. Bakker and H. C. A. van Duuren. 2,235,755; Mar. 18.
Telegraphone, Magnetic. C. C. Towne. 2,235,126; Mar. 18.
Telegraphone, Magnetic. D. E. Wooldridge. 2,235,132; Mar. 18.
Telephone system. W. W. Carpenter. 2,235,803; Mar. 18.
Teleprinting system. H. Barth. 2,235,006; Mar. 18.
Temperature compensating device. H. Johannson. 2,235,019; Mar. 18.
Temperature control system. C. W. Nessell. 2,235,620; Mar. 18.
Temperature indicating instrument. R. I. Bradley. 2,235,252; Mar. 18.
Temperatures and for frosting the surfaces of artistic creations, Method and apparatus for producing low. R. A. Gonzalez. 2,235,071; Mar. 18.
Tender, Locomotive. F. P. Roesch. 2,235,410; Mar. 18.
Terminal. R. K. Winning. 2,235,275; Mar. 18.
Therapeutical apparatus. H. A. Billetter. 2,235,138; Mar. 18.
Thermostat. E. S. Cornell, Jr. 2,235,697; Mar. 18.
Thermostatic apparatus, Self-compensating. E. L. Fonseca. 2,235,210; Mar. 18.
Thermostatic flasher lamp. G. B. Davis, Jr. 2,235,360; Mar. 18.
Thread cutting device. F. Cislak. 2,234,962; Mar. 18.
Thread locking means. A. Boynton. 2,234,957; Mar. 18.
Thrust ball bearing. M. Katcher. 2,235,431; Mar. 18.
Ticket-issuing machine. C. F. Webb. 2,235,130; Mar. 18.
Tie Plate, Railway. H. L. Rushing. 2,235,776–7; Mar. 18.
Tile for covering underground cables, Protective. E. V. Byers. 2,235,356; Mar. 18.
Tile, Producing hollow clay. E. C. Gaertner. 2,235,291; Mar. 18.
Tiling, Plywood. J. A. Malarkey. 2,235,230; Mar. 18.
Tin from lead, Separating. R. B. Erickson. 2,235,423; Mar. 18.
Tire and wheel combination. J. V. Martin. 2,235,378; Mar. 18.
Tire chain applying device. W. H. Temme. 2,235,691; Mar. 18.
Tire cords, Testing. F. Ray. 2,235,622; Mar. 18.
Tire, Pneumatic. H. T. Kraft. 2,235,375; Mar. 18.
Tobacco pipe. G. J. Deutsch. 2,235,100; Mar. 18.
Tool: *See*—
Cable stripping tool.
Paring tool.
Sealing tool.
Spark-plug tool.
Tone control for sound reproducing systems, Method and apparatus for. J. M. Baxter. 2,235,249; Mar. 18.
Tool. M. R. Price. 2,235,235; Mar. 18
Tool for making files. F. A. Seedlock. 2,235,752; Mar. 18.
Tool for splitting and hulling peas. T. P. Turner. 2,235,342; Mar. 18.
Tool with floating head, Machine. E. A. Walker. 2,235,269; Mar. 18.
Torsional snap action device. G. C. Van Dusen, Jr. 2,235,779; Mar. 18.
Traction chain. J. R. Reyburn. 2,235,408; Mar. 18.
Tractor with gas producer mounted thereon, Motor. H. Lutz. 2,235,228; Mar. 18.
Traffic controlling apparatus, Railway. J. W. Livingston. 2,235,525; Mar. 18.
Traffic controlling apparatus, Railway. R. A. McCann. 2,235,528; Mar. 18.
Traffic controlling apparatus, Railway. F. H. Nicholson and H. W. Bryan. 2,235,037; Mar. 18.
Traffic controlling apparatus, Railway. W. A. Oehlschlager. 2,235,036; Mar. 18.
Traffic controlling system, Centralized. J. Wicks. 2,235,346; Mar. 18.
Traffic signal. E. E. Ramspeck. 2,235,728; Mar. 18.
Traffic signal. F. Thiel. 2,235,181; Mar. 18.
Train, Double end. A. G. Dean. 2,235,205; Mar. 18.
Transfer. B. F. Brown. 2,235,514; Mar. 18.
Transmission. A. Y. Dodge. 2,235,672–3; Mar. 18.
Transmitter. J. C. Stewart. 2,235,330; Mar. 18.
Trap: *See*—
Rodent trap.
Tray, Ash. M. Soens. 2,235,568; Mar. 18.
Tray, Letter. T. A. Hearn and F. F. Braun. 2,235,709; Mar. 18.
Truck plate-matching machine, Double. W. E. Becker and C. S. MacIntosh. 2,235,096; Mar. 18.
Truck, Railway car. G. T. Johnson, J. G. Bower, and H. W. Stertzbach. 2,235,214; Mar. 18.
Truck Steerable hand. A. Ronning. 2,235,043–4; Mar. 18.
Truss. J. M. Bass. 2,235,756; Mar. 18.

Tube: *See*—
Dissector tube.
Magnetron tube.
Tube system, Arc. D. D. Coffin. 2,234,963; Mar. 18.
Tuned circuit system. W. van B. Roberts. 2,235,565; Mar. 18.
Tungsten base contact. F. R. Hensel and K. L. Emmert. 2,234,969; Mar. 18.
Tuning mechanism for radio receiving systems and the like, Preselective. D. A. Bell. 2,235,195; Mar. 18.
Turbine, Elastic fluid. W. E. Blowney. 2,235,547; Mar. 18.
Turbine power plant arrangement. G. B. Warren. 2,235,541; Mar. 18.
Typewriting and like machines. H. E. Bridgwater. 2,235,416; Mar. 18.
Typographical composing machine. R. H. Scott, W. F. Gorse, and A. S. Hayward. 2,235,464; Mar. 18.
Undergarment. W. Hiller. 2,235,499; Mar. 18.
Universal joint. E. B. Anderson. 2,235,002; Mar. 18.
Urn, Crematory. A. Klinzing. 2,235,617; Mar. 18.
Utensil handle. J. J. Bauman. 2,235,792; Mar. 18.
Valve: *See*—
Automatic softener valve.
Cellar drain valve.
Humidifier valve.
Mixing valve.
Valve. L. G. Daniels. 2,235,608; Mar. 18.
Valve. R. W. Graney. 2,235,612; Mar. 18.
Valve. C. W. Lake. 2,235,456; Mar. 18.
Valve. C. F. Toussaint. 2,235,304; Mar. 18.
Valve apparatus. W. W. Watrous, Jr. 2,235,510; Mar. 18.
Valve circuit, Electric. W. F. Westendorp. 2,235,543; Mar. 18.
Valve distribution for piston steam engines, especially locomotive steam engines and the like with revolving reversing shafts. H. Lentz. 2,235,223; Mar. 18.
Valve for internal combustion engines, Fuel injection. A. Grumbt. 2,235,365; Mar. 18.
Valve means for cotton gins, Air intercepting. T. S. Grimes. 2,235,017; Mar. 18.
Valve mechanism, Compressor unloading. W. F. Boldt. 2,235,251; Mar. 18.
Valve operating device, Locomotive. M. W. Dadey. 2,235,204; Mar. 18.
Valve structure for toilet tanks, Packless. E. D. Park. 2,235,299; Mar. 18.
Vane, High speed inlet. M. S. Kice, Jr. 2,235,260; Mar. 18.
Vanity case. E. Ray. 2,235,687; Mar. 18.
Vapor electric device. W. M. Brubaker. 2,235,396; Mar. 18.
Vapor electric device. G. Scharowsky and J. von Issendorff. 2,235,388; Mar. 18.
Variable capacity pump. J. F. Joy. 2,235,579; Mar. 18.
Variable stroke pump. G. A. Frenkel. 2,235,631; Mar. 18.
Vault, Burial. L. F. Wiley. 2,235,185; Mar. 18.
Vehicle: *See*—
Hand propelled vehicle.
Manually propelled vehicle.
Vehicle brake. O. O. Teters and J. Barton. 2,235,341; Mar. 18.
Vehicle construction, Motor. J. W. Greig. 2,235,496; Mar. 18.
Vein holder. P. L. Canada. 2,234,961; Mar. 18.
Ventilating and heating apparatus, Vehicle. A. R. Lintern, P. J. Miller, and W. T. Downs. 2,235,642; Mar. 18.
Ventilation and testing device. F. Bachmann. 2,235,663; Mar. 18.
Ventilator. J. H. Gemenden. 2,235,211; Mar. 18.
Venting means for sealed containers. E. M. Enkur. 2,235,101; Mar. 18.
Vessels, Shaping the skin planking of. M. B. Andreassen. 2,235,601; Mar. 18.
Vibrator. H. M. Dressel. 2,235,316; Mar. 18.
Vibrator. J. G. Krenzke. 2,235,158; Mar. 18.
Vibrator, Therapeutic. W. L. Wettlaufer. 2,235,183–4; Mar. 18.
Vise for pipe threading machines. D. Matala. 2,235,108; Mar. 18.
Voltage control system. J. H. Cox and L. A. Kilgore. 2,235,398; Mar. 18.
Washer: *See*—
Dual agency washer.
Lock washer.
Washing machine. J. B. Kirby. 2,235,452; Mar. 18.
Washing machine. J. E. Vetorino, F. Vetorino, and J. E. Vetorino. 2,235,467; Mar. 18.
Washing machine. W. W. Walker. 2,235,094; Mar. 18.
Watchcase. H. Kousin. 2,235,157; Mar. 18.
Watchcase and picture holder, Combination. W. C. Barthman. 2,235,095; Mar. 18.
Water heating system, Hot. W. W. Timmis. 2,235,692; Mar. 18.
Wave filter chain. M. Arends. 2,235,003; Mar. 18.
Wave receiving sets, Ultra short. A. Cramwinckel. 2,235,203; Mar. 18.
Wave transmitting and receiving system, Ultra-short. J. G. Chaffee. 2,235,010; Mar. 18.
Wax applicator. N. Hausknecht. 2,235,519; Mar. 18.
Waxing attachment. T. S. Lytton. 2,235,229; Mar. 18.
Weight indicator for deep well drilling rigs. F. S. Bunker. 2,235,279; Mar. 18.
Welding method and apparatus. A. Rava. 2,235,385; Mar. 18.
Welding system. R. H. Wright. 2,235,392; Mar. 18.
Well, Determining the volume of a lower uncased portion of a. F. I. McConnell. 2,235,770; Mar. 18.
Welt for shoes. W. F. Heft. 2,235,368; Mar. 18.
Winding machine. J. T. Crandall. 2,235,737; Mar. 18.
Window frame with built-in screen. B. F. Morgan. 2,235,295; Mar. 18.
Wiper, Vehicle windshield. O. Dobkin. 2,235,493; Mar. 18.
Wire cutting machine. F. C. Muntwyler. 2,234,976; Mar. 18.
Wire forming, Method and apparatus for. F. O. De Millar. 2,235,698; Mar. 18.
Wrapping machine. C. H. Petskeyes and I. C. Gellman. 2,235,503; Mar. 18.
Wrench. M. N. Kincaid. 2,235,434; Mar. 18.
Yarn, Method and apparatus for the production of broken filament. A. D. Clark. 2,234,947; Mar. 18.
Yarn, Method and apparatus for treating. D. W. Lance. 2,235,221; Mar. 18.
Yeast food product and making the same, Brewer's. W. P. M. Grelck. 2,235,613–14; Mar. 18.

CLASSIFICATION OF PATENTS

ISSUED MARCH 18, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Allis-Chalmers Manufacturing Company, West Allis, Wis. Electrical apparatus. Serial No. 439,743; Mar. 25. Class 21.

American Breddo Corporation, New York, N. Y. Flour. Serial No. 431,670; Mar. 25. Class 46.

American Smelting and Refining Company, New York, N. Y. Lead alloys. Serial No. 438,232; Mar. 25. Class 14.

American Spirits, Inc., New York, N. Y. Apricot liqueur. Serial No. 439,744; Mar. 25. Class 49.

Amoskeag Pajama Co. Inc., Boston, Mass. Pajamas. Serial No. 439,646; Mar. 25. Class 39.

Audio Devices, Inc., New York, N. Y. Sound recording and sound reproducing styli. Serial No. 439,795; Mar. 25. Class 36.

Automatic Electric Company, Chicago, Ill. Rebuilt telephones, telephone parts, telephone switchboards, etc. Serial No. 438,971; Mar. 25. Class 21.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 439,988; Mar. 25. Class 17.

Babson Bros. Co., Chicago, Ill. Liquid fly spray or insecticide. Serial No. 439,187; Mar. 25. Class 6.

Barron-Gray Packing Company, San Jose, Calif. Canned fruits and canned vegetables. Serial No. 430,171; Mar. 25. Class 46.

Barron-Gray Packing Company, San Jose, Calif. Canned fruits, canned fruit juices for food purposes, and canned vegetable juices for food purposes. Serial No. 430,172; Mar. 25. Class 46.

Beatty, Mildred M., doing business as Mimi-O-File Company, Albuquerque, N. Mex. Mechanized filing cabinet. Serial No. 435,193; Mar. 25. Class 32.

Bitco, Inc., Wallace, Idaho. Rock drilling machinery, drill steel with integral drill bits, etc. Serial No. 437,332; Mar. 25. Class 23.

Blank, Michael, doing business as Dr. M. Blank, Optometrist, Sioux City, Iowa. Spectacles. Serial No. 438,114; Mar. 25. Class 26.

Bomze, H., & Bro., Philadelphia, Pa. Dresses. Serial No. 439,797; Mar. 25. Class 39.

Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. Serial No. 427,457; Mar. 25. Class 39.

Brown & Bigelow, St. Paul, Minn. Calendars. Serial No. 426,432; Mar. 25. Class 38.

Buegeleisen, Harry, Inc., Brooklyn, N. Y. Goggles. Serial No. 439,155; Mar. 25. Class 26.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 438,116; Mar. 25. Class 27.

Burrough Bros. Mfg. Company, Baltimore, Md., and Cleveland, Ohio. Preparation for use as digestant and adjuvant. Serial No. 429,026; Mar. 25. Class 6.

Cadillac Coat Co. Inc., New York, N. Y. Coats, suits, capes, etc. Serial No. 440,082; Mar. 25. Class 39.

Cargocaire Engineering Corporation, New York, N. Y. Air conditioning units. Serial No. 438,866; Mar. 25. Class 34.

Cash, Mary L., doing business as Senatine Medicine Company, Mobile, Ala. Laxative. Serial No. 436,202; Mar. 25. Class 6.

Charis Corporation, Allentown, Pa. Slide rules. Serial No. 439,803; Mar. 25. Class 26.

Christensen, Geneva B., New Rochelle, N. Y. Illuminated lockets, brooches, and pendants. Serial No. 437,555; Mar. 25. Class 28.

Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. Serial No. 432,236; Mar. 25. Class 19.

Clairol, Incorporated, Stamford, Conn. Absorbent pads, chemically treated pads, and chemical exothermic heating units for permanent waving. Serial Nos. 440,578–9; Mar. 25. Class 44.

Climax Molybdenum Company, New York, N. Y. Books, pamphlets, and circulars. Serial No. 439,409; Mar. 25. Class 38.

Colordination Group, Inc., New York, N. Y. Coats, suits, dresses, etc. Serial Nos. 427,497–8; Mar. 25. Class 39.

Colordination Group, Inc., New York, N. Y. Suits, dresses, blouses, etc. Serial No. 427,501; Mar. 25. Class 39.

Colvin, Ralph M., doing business as The Colvin Drug Company, Baltimore, Md. Medicinal and pharmaceutical preparations. Serial No. 437,124; Mar. 25. Class 6.

Continental Radio and Television Corp., Chicago, Ill. Band spreader for radio receiving set. Serial No. 437,556; Mar. 25. Class 21.

Council, James R., doing business as Council Company, Norfolk, Va. Peanut butter sandwiches. Serial No. 439,993; Mar. 25. Class 46.

Crawford, Carol, Inc., New York, N. Y. Dresses and play suits. Serial No. 438,502; Mar. 25. Class 39.

Damort Corporation, The, Boston, Mass. Corrective shoulder braces. Serial No. 434,057; Mar. 25. Class 44.

Damort Corporation, The, Boston, Mass. Health belts. Serial No. 434,058; Mar. 25. Class 44.

Deary and Deary, Wallingford, Conn. Eye drops. Serial No. 425,988; Mar. 25. Class 6.

De Land, C. M., New York, N. Y. Piece goods. Serial No. 395,816; Mar. 25. Class 42.

DeSoto Chemical Company, Arcadia, Fla. Preparation to be used for the extermination of roaches, silver-fish, etc. Serial No. 437,274; Mar. 25. Class 6.

Domestic Engineering Company, Chicago, Ill. Trade magazine published monthly. Serial No. 434,524; Mar. 25. Class 38.

Dorval Chemical Company, Brooklyn, N. Y. Medicine to aid digestive disturbances. Serial No. 436,422; Mar. 25. Class 6.

Douglas Oil & Refining Company, Los Angeles, Calif. Gasoline and motor oils and greases. Serial No. 440,193; Mar. 25. Class 15.

Dow Chemical Company, The, Midland, Mich. Preparation to control the preharvest drop of apples. Serial No. 436,423; Mar. 25. Class 6.

Feldman, Boris, New York, N. Y. Lipstick, rouge, face powder, etc. Serial No. 434,361; Mar. 25. Class 6.

Firestone Tire & Rubber Company, Akron, Ohio. Elastic garments, particularly bathing suits. Serial No. 438,330; Mar. 25. Class 39.

Foodland, Inc., Cleveland, Ohio. Canned meat product. Serial No. 438,435; Mar. 25. Class 46.

Foote & Jenks, Inc., Jackson, Mich. Non-alcohol, non-cereal, maltless beverage, sold as a soft drink and sirup and extract for making the same. Serial No. 439,965; Mar. 25. Class 45.

Foxx Company, The, New York, N. Y. Bottled medical preparation for relief of athletes foot. Serial No. 437,369; Mar. 25. Class 6.

Frantz Home Bakers, Inc., East Liverpool, Ohio. Sandwich roll. Serial No. 439,437; Mar. 25. Class 46.

Fricchione, Pasquale, doing business as Simplex Stoker Company, Scranton, Pa. Automatic coal stokers. Serial No. 420,885; Mar. 25. Class 34.

Fritz, Betty I., St. Petersburg, Fla. Toy animals. Serial No. 440,159; Mar. 25. Class 22.

General Dyestuff Corporation, New York, N. Y. Preparations used for softening and dressing textile materials. Serial No. 438,540; Mar. 25. Class 6.

General Packing Corporation, Brooklyn, N. Y. Canned dog and cat food. Serial No. 435,288; Mar. 25. Class 46.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous liquid material, odorant for textile goods. Serial No. 438,935; Mar. 25. Class 6.

Globe Roofing Products Co., Inc., Chicago, Ill. Asphalt composition roll siding and asphalt shingles. Serial No. 436,647; Mar. 25. Class 12.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Composition containing no rubber for waterproofing fabrics. Serial No. 437,063; Mar. 25. Class 6.

Gott, J. Harvey, Scottsbluff, Nebr. Potatoes. Serial No. 438,617; Mar. 25. Class 46.

Grasso Salvatore, Syracuse, N. Y. Medicinal preparation. Serial No. 439,868; Mar. 25. Class 6.

Gray Company, Incorporated, Minneapolis, Minn. Solvent in the form of a liquid. Serial No. 440,625; Mar. 25. Class 6.

Gredag Corporation, Niagara Falls, N. Y. Motor oils and graphited oils. Serial No. 438,510; Mar. 25. Class 15.

Greenberg, Oscar, doing business as The Optical Shoppe, Council Bluffs, Iowa. Optical lenses. Serial No. 438,877; Mar. 25. Class 26.

Gregson, George T., Spokane, Wash. Battery charger. Serial No. 439,812; Mar. 25. Class 21.

Hall-Watson Company, Inc., The, New York, N. Y. Rust and stain removing cleanser for metals, stove, tile, etc. Serial No. 439,595; Mar. 25. Class 4.

Hibline, J. Edward, Company, Inc., Baltimore, Md. Coal. Serial No. 440,162; Mar. 25. Class 1.

Hicks, May W., Rocky Mount, N. C. Medicinal compound. Serial No. 438,133; Mar. 25. Class 6.

Hipsh, Inc., Kansas City, Mo. Sportswear. Serial No. 439,073; Mar. 25. Class 39.

Industrial Manufacturers, Inc., Elizabeth, N. J. Electric wire terminals. Serial No. 431,451; Mar. 25. Class 21.

Interchemical Corporation, New York, N. Y. Printing inks. Serial No. 440,556; Mar. 25. Class 11.
Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. Serial No. 439,753; Mar. 25. Class 28.
Jordan-Dunbar Company, Los Angeles, Calif. Thermochronographs. Serial No. 436,932; Mar. 25. Class 26.
Katzinger, Edward, Company, The, Chicago, Ill. Flashlights. Serial No. 436,611; Mar. 25. Class 21.
Kayser, Julius, & Co., New York, N. Y. Underwear and nightgowns. Serial No. 439,898; Mar. 25. Class 39.
Keene, R. D., Inc., Winter Garden, Fla. Fresh oranges. Serial No. 439,110; Mar. 25. Class 46.
Kimball, J. H., Inc., New York, N. Y. Handkerchiefs. Serial No. 439,900; Mar. 25. Class 39.
Kingman, Russell B., Orange, N. J. Dispensing closures for bottles, jars, and the like. Serial No. 436,307; Mar. 25. Class 13.
Kronfeld, Philip, Inc., New York, N. Y. Overcoats, sport coats, suits, etc. Serial No. 439,391; Mar. 25. Class 39.
LaCrosse, Clifford G., Jr., doing business as Maryland Colloid Co., Baltimore, Md. External antiphlogistic adsorbent. Serial No. 440,515; Mar. 25. Class 6.
Lady Esther, Ltd., Chicago, Ill. Nail polish or nail enamel. Serial No. 437,204; Mar. 25. Class 6.
Latrobe Brewing Company, Latrobe, Pa. Beer, ale, and other malt beverages. Serial No. 437,870; Mar. 25. Class 48.
Liebowitz, Benjamin, New York, N. Y. Smoking pipes and filter bowls. Serial No. 439,873; Mar. 25. Class 8.
Lily of France Corset Company, Inc., New York, N. Y. Corsets, girdles, and corselets. Serial No. 438,952; Mar. 25. Class 39.
Lincoln Engineering Company, St. Louis, Mo. Upper cylinder lubricator. Serial No. 438,204; Mar. 25. Class 23.
Macinnes, John C., Company, Worcester, Mass. Hosiery. Serial No. 438,077; Mar. 25. Class 39.
Major Brands, Inc., St. Louis, Mo. Coffee, tea, cocoa, etc. Serial No. 435,365; Mar. 25. Class 46.
Manhattan Soap Company, Inc., New York, N. Y. Toilet soap. Serial No. 439,969; Mar. 25. Class 4.
Maryland Colloid Co. (See LaCrosse, Clifford G., Jr.)
Maumee Collieries Company, The, Terre Haute, Ind. Coal. Serial No. 439,819; Mar. 25. Class 1.
McAuley, F. E., Mfg. Co., Chicago, Ill. Electric arc lamps. Serial No. 435,509; Mar. 25. Class 26.
Merrick Scale Mfg. Co., Passaic, N. J. Weighing apparatus. Serial No. 439,114; Mar. 25. Class 26.
Middlemiss, John, Jr., New York, N. Y. Wash-cloths, towels, crib sheets, etc. Serial No. 439,821; Mar. 25. Class 42.
Mimi-O-File Company. (See Beatty, Mildred M.)
Mohawk Export and Import Corporation, Amsterdam, N. Y. Mechanical metal covered carpet sweeper which is propelled by hand power. Serial Nos. 437,731–4; Mar. 25. Class 23.
Moto-Mower Company, The, Detroit, Mich. Power sweepers including lawn sweepers, street and sidewalk sweepers, etc. Serial No. 438,849; Mar. 25. Class 23.
Murphy & Murray, Grand Forks, N. Dak. Fresh potatoes. Serial No. 439,139; Mar. 25. Class 46.
Nashua Package Sealing Co. Inc., Nashua, N. H. Devices and appliances for moistening or dispensing adhesive or gummed tape, etc. Serial No. 439,169; Mar. 25. Class 37.
National Carbon Company, Inc., New York, N. Y. Window curtains and drapes of synthetic plastic fabrics. Serial No. 438,957; Mar. 25. Class 50.
New City Printing Co., Union City, N. J. Books. Serial No. 431,320; Mar. 25. Class 38.
Niagara Alkali Company, Niagara Falls, N. Y. Caustic soda, caustic potash, carbonate of potash, etc. Serial No. 439,739; Mar. 25. Class 6.
Northern Furniture Company, Sheboygan, Wis. Dining room and bedroom furniture. Serial No. 440,470; Mar. 25. Class 32.
Ohio Crankshaft Company, The, Cleveland, Ohio. Electrical induction, heat treating equipment for inductively heating the surface zones of articles to hardening temperature. Serial No. 382,135; Mar. 25. Class 21.
Oppenheim & Baruch, Inc., New York, N. Y. Neckwear, vestees, bibs, etc. Serial No. 439,702; Mar. 25. Class 39.
Optical Shoppe, The. (See Greenberg, Oscar.)
Osborn, C. D., Co., Chicago, Ill. Gloves. Serial No. 439,946; Mar. 25. Class 39.
Parke, Davis & Company, Detroit, Mich. Preparation containing vitamin B6 (pyridoxine hydrochloride). Serial No. 440,262; Mar. 25. Class 6.
Parker Herbex Corporation, Long Island City, N. Y. Preparations for treatment of the scalp and hair. Serial No. 438,352; Mar. 25. Class 6.
Parkersburg Rig and Reel Company, The, Parkersburg, W. Va. Hydrodynamic brake mechanisms for vehicles, for oil well equipment, and for coal mine service hoists. Serial No. 438,664; Mar. 25. Class 23.
Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Coal tar solvents, coal-derived oils, coal-derived coating solutions, etc. Serial No. 429,914; Mar. 25. Class 6.
Pepper, Jas. E., & Company, Lexington, Ky. Whiskey, gin, rum, etc. Serial No. 439,727; Mar. 25. Class 49.
Philco Shoe Corporation, Bangor and Old Town, Maine. Rubber soled shoes and moccasins. Serial No. 433,226; Mar. 25. Class 39.
Pinaud Incorporated, New York, N. Y. Eau de cologne. Serial No. 425,364; Mar. 25. Class 6.
Pinaud, Incorporated, New York, N. Y. Toilet soap. Serial No. 427,556; Mar. 25. Class 4.
Plastergon Wall Board Company, New York, N. Y. Heat insulating materials. Serial No. 438,993; Mar. 25. Class 12.
Powell, Frank, doing business as Chick Powell Co., Miami, Fla. Novelties and souvenirs. Serial No. 440,058; Mar. 25. Class 50.
Proven Products Company. (See Riesenburger, Eva A.)
Rand Brothers, New York, N. Y. Powder puffs. Serial No. 440,059; Mar. 25. Class 29.
Raolin Corporation, The, New York, N. Y. Treated fabrics and like goods in the piece. Serial No. 434,223; Mar. 25. Class 42.
Raolin Corporation, The, New York, N. Y. Coated papers. Serial No. 434,224; Mar. 25. Class 37.
Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 440,175; Mar. 25. Class 49.
Reed, E. P., & Co., Rochester, N. Y. Shoes made of leather, etc. Serial No. 439,492; Mar. 25. Class 39.
Reinhardt, Louis F., doing business as Reinhardt Drug Company, Le Center, Minn. Foot powder. Serial No. 438,285; Mar. 25. Class 6.
Rich's, Inc., Atlanta, Ga. Mattresses. Serial No. 440,662; Mar. 25. Class 32.
Riesenburger, Eva A., doing business as Proven Products Company, Flushing, Long Island, N. Y. Rubber waterproofed sheeting in rolls and in cut lengths, and pillow cases and mattress covers made therefrom. Serial No. 439,729; Mar. 25. Class 50.
Rivera Citrus Association, Rivera, Calif. Fresh citrus fruits. Serial No. 439,240; Mar. 25. Class 46.
Ross Packing Co., Selah, Wash. Dehydrated apples. Serial No. 440,023; Mar. 25. Class 46.
Roth-Büchner G. m. b. H., Tempelhof near Berlin, Germany. Safety razors, blades for safety razors and mechanical stropping apparatus. Serial No. 435,732; Mar. 25. Class 23.
Rueping, Fred, Leather Co., Fond du Lac, Wis. Leather. Serial No. 439,834; Mar. 25. Class 1.
Sabin Robbins Paper Company, The, Cincinnati, Ohio. Coated paper. Serial No. 439,906; Mar. 25. Class 37.
Schwarzwaelder Co., The, Philadelphia, Pa. Pre-shrunk woolen, cotton, linen, silk and rayon fabrics in the piece. Serial No. 413,524; Mar. 25. Class 42.
Scully-Watson Oxygen Therapy Service, Inc., New York, N. Y. Monthly publication Serial No. 438,589; Mar. 25. Class 38.
Seeburg, J. P., Corporation, Chicago, Ill. Coin controlled automatic record-changing phonographs and parts therefor. Serial No. 438,632; Mar. 25. Class 36.
Senatine Medicine Company. (See Cash, Mary L.)
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for correction of metabolic deficiencies. Serial No. 440,343; Mar. 25. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Tonics, elixirs, preparations for correction of metabolic deficiencies. Serial No. 440,344; Mar. 25. Class 6.
Shell Oil Company, Incorporated, San Francisco, Calif. Gasoline. Serial No. 439,128; Mar. 25. Class 15.
Siegel, Harry P., Brooklyn, N. Y. Dental aspirators. Serial No. 439,707; Mar. 25. Class 44.
Sigma Phi Epsilon Fraternity, Richmond, Va. Belt buckles, compacts, door knockers, etc. Serial No. 432,989; Mar. 25. Class 28.
Simplex Stoker Company. (See Fricchione, Pasquale.)
"Sominar", Sociedad Minera Argentina, Sociedad Anónima, Buenos Aires, Argentina. Tungsten minerals. Serial No. 434,377; Mar. 25. Class 1.
Sta-Whip, Inc., Chicago, Ill. Whipping cream stabilizers. Serial No. 437,486; Mar. 25. Class 46.
Styron-Beggs Company, The, Newark, Ohio. Adhesive tape or oxide of zinc, alum, etc. Serial No. 436,325; Mar. 25. Class 6.
Tidy Products Corporation, New York, N. Y. Outergarments. Serial No. 440,072; Mar. 25. Class 39.
Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware, and hollowware. Serial No. 439,735; Mar. 25. Class 28.
Turco Products, Inc., Los Angeles, Calif. Mechanical apparatus. Serial No. 429,424; Mar. 25. Class 23.
Union Bag & Paper Corporation, New York, N. Y. Paper pulp. Serial No. 439,709; Mar. 25. Class 1.
United States Rubber Company, New York, N. Y. Golf balls. Serial No. 440,669; Mar. 25. Class 22.
Wagner, Frank J., doing business as Zipper Paste Shop, Chicago, Ill. Paste. Serial No. 440,350; Mar. 25. Class 5.
Walhaven, Inc., Cleveland, Ohio. Wearing apparel. Serial No. 439,711; Mar. 25. Class 39.
Washburn, L. M., Lindsay, Calif. Fresh citrus fruits. Serial No. 438,914; Mar. 25. Class 46.
Washington Packers, Inc., Sumner, Wash. Canned fruits and vegetables, fresh frozen vegetables, etc. Serial No. 438,521; Mar. 25. Class 46.

Weaver, Benjamin P., doing business as Weaver-Beach Co., Scottsville, N. Y. Blank price cards, telephone cards, and recipe cards. Serial No. 439,084; Mar. 25. Class 37.
White Kobrick Coffee Corp., New York, and Ozone Park, N. Y. Coffee, tea, and chocolate. Serial No. 430,202; Mar. 25. Class 46.
White Rock Mineral Springs Company, New York, N. Y., and Waukesha, Wis. Bottled soda water. Serial No. 440,567; Mar. 25. Class 45.
Winelbacher & Rice, New York, N. Y. Gloves. Serial Nos. 439,324–5; Mar. 25. Class 39.
Yocom Laboratories, Inc., Charlton, Iowa. Colognes. Serial No. 439,788; Mar. 25. Class 6.
Zipper Paste Shop. (See Wagner, Frank J.)

LIST OF REGISTRANTS OF TRADE-MARKS

Aarons, A., Co., Inc., New Orleans, La. Intestinal alkalizer, swine, vermifuge, etc. 385,945; Mar. 25; Serial No. 431,282; published Dec. 24, 1940. Class 6.
Abbott Laboratories, North Chicago, Ill. Anti-malarial preparation. 385,982; Mar. 25; Serial No. 434,431; published Sept. 17, 1940. Class 6.
Adler, Edward R., doing business as Fidelity Laboratories, Canton, Ohio. Photographic developer solution. 386,044; Mar. 25; Serial No. 436,953; published Dec. 24, 1940. Class 6.
Allen, Solly & Company, Limited, London, England. Knitted socks, stockings, and underclothing. 385,928; Mar. 25; Serial No. 425,876; published Dec. 24, 1940. Class 39.
Allen & Company. (See Mahler, Fred H.)
Allen, S. L., & Co., Inc., Philadelphia, Pa. Tractors and motor-drawn and motor-driven tilling implements and parts thereof. 141,830; renewed May 3, 1941.
American Agricultural Chemical Company, The, New York, N. Y. Chemical adjuvants for the treatment of foods, etc. 386,113; Mar. 25; Serial No. 437,637; published Dec. 24, 1940. Class 6.
American Ribbon and Carbon Co., Inc., Rochester, N. Y. Carbon paper. 386,060; Mar. 25; Serial No. 437,114; published Jan. 7, 1941. Class 11.
Arango y Arango, Tampa, Fla. Cigars. 386,094; Mar. 25; Serial No. 437,493; published Jan. 14, 1941. Class 17.
Arango y Arango, Tampa, Fla. Cigars. 386,095–6; Mar. 25; Serial Nos. 437,495–6; published Jan. 14, 1941. Class 17.
Artra Cosmetics, Inc., New York, N. Y. Perfume, cologne, bath salts and sachets. 386,156; Mar. 25; Serial No. 438,031; published Dec. 31, 1940. Class 6.
Artra Cosmetics, Inc., New York, N. Y. Dusting powder. 386,157; Mar. 25; Serial No. 438,032; published Dec. 31, 1940. Class 6.
Aschner, Abner M., New York, N. Y., assignor to Sapphire Hosiery Corporation, Philadelphia, Pa. Hosiery. 385,948; Mar. 25; Serial No. 431,754; published Jan. 7, 1941. Class 39.
Atkin, William, Company, Inc., New York, N. Y. Men's and boys' sport shirts, negligee shirts, slacks, etc. 385,933; Mar. 25; Serial No. 427,570; published Dec. 31, 1940. Class 39.
Atlas Supply Company, Newark, N. J. Vent caps for storage batteries. 386,160; Mar. 25; Serial No. 438,107; published Jan. 14, 1941. Class 21.
August Knitting Corporation, to Augusta Knitting Corporation, Utica, N. Y. Nightgowns, sleeping-garments, and pajamas. 143,543; renewed June 7, 1941.
Augusta Knitting Corporation. (See August Knitting Corporation.)
Augstein, S., & Co., College Point, N. Y. Dresses, play suits, and bathing suits. 386,045; Mar. 25; Serial No. 436,954; published Dec. 24, 1940. Class 39.
Baby's Boudoir, Portland, Oreg. Frocks. 385,940; Mar. 25; Serial No. 430,381; published Dec. 24, 1940. Class 39.
Baer, John, Chicago, Ill. Scalp cream. 386,196; Mar. 25. Class 6.
Baker Castor Oil Company, The, New York, N. Y. Dehydrated castor oil and modified dehydrated castor oil for use in paints, varnishes, etc. 385,959; Mar. 25; Serial No. 432,751; published Jan. 14, 1941. Class 16.
Bamberger, L & Co., Newark, N. J. Men's overcoats, two and three piece suits, hats, sweaters, etc. 386,090; Mar. 25; Serial No. 437,462; published Jan. 14, 1941. Class 39.
Bamberger-Reinthal Company, The, Cleveland, Ohio. Knitted sweaters and sweater coats. 385,913; Mar. 25; Serial No. 408,448; published Sept. 6, 1938. Class 39.
Barbey's Inc., Reading, Pa. Beer, ale, porter, etc. 386,148; Mar. 25; Serial No. 437,932; published Jan. 14, 1941. Class 48.
Barker, Clifton A., doing business as Barker Chemical Products Co., Los Angeles, Calif. Cleaner for painted surfaces. 386,100; Mar. 25; Serial No. 437,546; published Jan. 14, 1941. Class 4.
Bartlay, Ltd., New York, N. Y. Men's and boys' outer shirts. 386,048; Mar. 25; Serial No. 436,990; published Dec. 31, 1940. Class 39.
Bates Manufacturing Company, The, West Orange, N. J. Index devices. 386,078; Mar. 25; Serial No. 437,400; published Jan. 14, 1941. Class 37.
Batesville Casket Co., The, Batesville, Ind. Burial caskets. 386,101; Mar. 25, 1941; Serial No. 437,548; published Jan. 14, 1941. Class 2.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses. 142,448; renewed May 17, 1941.
Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 386,130; Mar. 25; Serial No. 437,803; published Jan. 7, 1941. Class 39.
Beardsley & Piper Company, The, Chicago, Ill. Machines for making molds for founding. 385,951; Mar. 25; Serial No. 432,116; published Jan. 14, 1941. Class 23.
Beldoch-Popper Inc., New York, N. Y. Ladies' and misses' sweaters, sweater ensembles. 385,999; Mar. 25; Serial No. 435,276; published Dec. 31, 1940. Class 39.
Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. 386,183; Mar. 25. Class 39.
Bing Brothers, Inc., New York, N. Y. Hop concentrate. 386,036; Mar. 25; Serial No. 436,876; published Jan. 14, 1941. Class 48.
Bishop Laboratories, Inc., New York, N. Y. Vitamin B complex preparation. 386,049; Mar. 25; Serial No. 437,024; published Dec. 24, 1940. Class 6.
Bisodol Company, The, Jersey City, N. J. Analgesic tablets. 386,161; Mar. 25; Serial No. 438,113; published Jan. 7, 1941. Class 6.
Blotex Co., The, Springfield, Ohio. Detergent for removing grease from wall paper and similar surfaces. 386,149; Mar. 25; Serial No. 437,934; published Jan. 14, 1941. Class 4.
Borden Company, The, New York, N. Y. Ice cream and other frozen confections. 385,998; Mar. 25; Serial No. 435,236; published Jan. 14, 1941. Class 46.
Borman Sportswear, Inc., Johnstown, N. Y. Jackets. 386,051; Mar. 25; Serial No. 437,055; published Jan. 7, 1941. Class 39.
Carson Pirie Scott & Company, Chicago, Ill. Boxes and ash trays, Cigarette. 386,085; Mar. 25; Serial No. 437,436; published Jan. 14, 1941. Class 8.
Brady, Maurice K., Washington, D. C. Hair tonic and lotion. 386,074; Mar. 25; Serial No. 437,300; published Dec. 31, 1940. Class 6.
Burlington Basket Company, Burlington, Iowa. Baskets and hampers made of straw, braid, etc. 385,967; Mar. 25; Serial No. 433,881; published Jan. 14, 1941. Class 2.
Burt Co., The, Seattle, Wash. Dehydrated kelp. 386,017; Mar. 25; Serial No. 436,112; published Dec. 24, 1940. Class 6.
Busath's Candy Shop, Inc., assignor to Busath's Candy Shop, Louisville, Ky. Candy. 136,765; renewed Nov. 9, 1940.
Butts, Joseph C., doing business as Butts Pharmaceutical Laboratories, Chicago, Ill. Tonics. 385,946; Mar. 25; Serial No. 431,343; published Oct. 15, 1940. Class 6.
Byer-Rolnick Company, Garland, Tex. Men's hats. 386,072; Mar. 25; Serial No. 437,266; published Jan. 14, 1941. Class 39.
California Marine Curing and Packing Corp., Terminal Island, Calif. Canned fish. 386,122; Mar. 25; Serial No. 437,757; published Jan. 14, 1941. Class 46.
Carnegie, Hattie, Inc., New York, N. Y. Piece goods 386,114; Mar. 25; Serial No. 437,644; published Jan. 14, 1941. Class 42.
Carson Pirie Scott & Company, Chicago, Ill. Electric lamps. 386,140; Mar. 25; Serial No. 437,894; published Jan. 14,1941. Class 21.
Cattaraugus Cutlery Company, Little Valley, N. Y. Cutlery and table flat-ware made of base metal. 139,499; renewed Feb. 8, 1941.
Cattaraugus Cutlery Company, Little Valley, N. Y. Razor-strops and razor-hones. No. 139,500; renewed Feb. 8, 1941.
Charles of the Ritz, Inc., New York, N. Y. Skin lotion. 386,102; Mar. 25; Serial No. 437,552; published Dec. 31, 1940. Class 6.
Charmette Fabrics Co., Inc., New York, N. Y. Rayon and acetate cloth in the piece. 386,150; Mar. 25; Serial No. 437,938; published Jan. 14, 1941. Class 42.
Chicago Mail Order Company, Chicago, Ill. Girls' shoes made of leather, etc. 386,037; Mar. 25; Serial No. 436,880; published Jan. 14, 1941. Class 39.
Christensen, Peter, doing business as Phil-lo Laboratories, Spokane, Wash. Medicinal preparations for piles and hemorrhoids. 386,052; Mar. 25; Serial No. 437,057; published Dec. 24, 1940. Class 6.
Cities Service Oil Company. (See Crew Levick Company, assignor.)
Clinton Company, Clinton, Iowa. Modified starches. 386,154; Mar. 25; Serial No. 437,994; published Jan. 14, 1941. Class 6.
Cohn-Hall-Marx Co., New York, N. Y. Silk, satin, rayon, and cotton fabrics and mixtures thereof, in the piece. 385,932; Mar. 25; Serial No. 427,530; published Jan. 14, 1941. Class 42.

Columbian Rope Company, Auburn, N. Y. Plain-laid three or four strand rope. 142,475; renewed May 17, 1941.

Commercial Solvents Corporation, New York, N. Y. Insecticides. 386,020; Mar. 25; Serial No. 436,104; published Dec. 24, 1940. Class 6.

Compere, Woodfin G., doing business as New Mexico Naturopathic Labs, Albuquerque, N. Mex. Herbal plaster paste. 385,936; Mar. 25; Serial No. 428,747; published Dec. 24, 1940. Class 6.

Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. 385,955–6; Mar. 25; Serial Nos. 432,461–2; published Jan. 14, 1941. Class 23.

Cooper, William, & Nephews, Incorporated, Chicago, Ill. Conditioning vitamin preparation for use as a dietary supplement in feeding dogs. 385,996; Mar. 25; Serial No. 435,197; published Dec. 31, 1940. Class 6.

Cooper's, Incorporated, Kenosha, Wis. Men's and boys' underwear. 386,201; Mar. 25. Class 39.

Corcoran, Thos. J., Lamp Company, The, assignor to The Electric Auto-Lite Company, Toledo, Ohio. Electric lamps. 140,099; renewed Mar. 8, 1941.

Cosmetics Arts Co., Los Angeles, Calif. Cleansing cream, face powder, cologne, etc. 386,109; Mar. 25; Serial No. 437,590; published Jan. 7, 1941. Class 6.

Crew Levick Company, Philadelphia, Pa., assignor, by mesne assignments, to Cities Service Oil Company, Bartlesville, Okla. Lubricants for fibers preparatory to spinning. 140,357; renewed Mar. 15, 1941.

Crossley, Lawrence L., Palm Springs, Calif. Combination herb tea adapted to sooth the nerves and produce relaxation. 386,119; Mar. 25; Serial No. 437,715; published Jan. 14, 1941. Class 6.

Cuccia, G., & Sons, New York, N. Y. Canned dog food. 386,123; Mar. 25; Serial No. 437,760; published Jan. 14, 1941. Class 46.

Cumberland Brewing Company, The, Cumberland, Md. Beer and ale. 386,005; Mar. 25; Serial No. 435,610; published Jan. 14, 1941. Class 48.

Curtis Universal Joint Co., Inc., Springfield, Mass. Heat treated universal joints. 385,944; Mar. 25; Serial No. 431,153; published June 18, 1940. Class 23.

De Barros, Jose, El Centro, Calif. Skin salve. 386,178; Mar. 25. Class 6.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Topcoats and overcoats. 386,021; Mar. 25; Serial No. 436,166; published Jan. 7, 1941. Class 39.

D'Essen, Charles E., New York, N. Y. Dentures, partial dentures, and a resin compound for manufacturing dentures. 385,980; Mar. 25; Serial No. 436,758; published Jan. 14, 1941. Class 44.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Flotation agent. 386,166; Mar. 25; Serial No. 438,269; published Jan. 7, 1941. Class 6.

De Wilkowska, Maryla, New York, N. Y. Cosmetics. 385,952; Mar. 25; Serial No. 432,181; published Dec. 31, 1940. Class 6.

Dickinson Fuel Company, Charleston, W. Va. Coal. 386,079; Mar. 25; Serial No. 437,406; published Jan. 14, 1941. Class 1.

Driver-Harris Company. (See Electrical Alloy Company, assignor.)

Dumont Knitting Mills, Inc., New York, N. Y. Knitted cuffs. 386,200; Mar. 25. Class 39.

Eastman Kodak Company, Rochester, N. Y. Terminal and switch box. 385,931; Mar. 25; Serial No. 427,012; published Nov. 19, 1940. Class 21.

Electric Auto-Lite Company, The. (See Corcoran, Thos. J., Lamp Company, assignor.)

Electrical Alloy Company, Morristown, assignor to Driver Harris Company, Harrison, N. J. Resistance wires and ribbons. 144,564; renewed July 12, 1941.

Enders, Melvin P., doing business as M. P. Enders Laboratory, Detroit, Mich. Preparation for the treatment of concretions formed in the biliary passages and gall bladder. 386,111; Mar. 25; Serial No. 437,618; published Jan. 7, 1941. Class 6.

Etnyre, E. D., & Co., Oregon, Ill. Oil distributors. 385,947; Mar. 25; Serial No. 431,550; published Jan. 14, 1941. Class 23.

Ever-Dry Corporation, also doing business as Tipstik Cosmetics, Los Angeles, Calif. Lipsticks and lip rouge. 386,069–70; Mar. 25; Serial Nos. 437,197–8; published Jan. 7, 1941. Class 6.

Fallenberg, Robert B., doing business as R B F Chemical Co., Glendale, Calif. Preparation for the promotion of the growth of human hair. 386,165; Mar. 25; Serial No. 438,201; published Jan. 7, 1941. Class 6.

Father & Son Wholesale Grocery Co., Detroit, Mich. Canned tomatoes. 385,962–3; Mar. 25; Serial Nos. 433,388–9; published Jan. 14, 1941. Class 46.

Faultless Caster Corporation, Evansville, Ind. Caster wheels for furniture caster structures. 386,026; Mar. 25; Serial No. 436,259; published Jan. 14, 1941. Class 13.

Fierman-Kolmer Co., Inc., New York, N. Y. Coats, suits, jackets, etc. 386,061; Mar. 25; Serial No. 437,128; published Jan. 7, 1941. Class 39.

Fierman-Kolmer Co., Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 386,151; Mar. 25; Serial No. 437,941; published Jan. 14, 1941. Class 39.

Fidelity Laboratories. (See Adler, Edward R.)

Filter-Kleen Mfg. Co. Inc., Boston, Mass. Adapter-type faucet filters. 386,162; Mar. 25; Serial No. 438,124; published Jan. 14, 1941. Class 31.

Finsterwald Clothing Company, Detroit, Mich. Men's clothing. 385,973; Mar. 25; Serial No. 436,566; published Jan. 14, 1941. Class 39.

Finsterwald Clothing Company, Detroit, Mich. Men's and boys' sport coats, sport jackets, etc. 385,985; Mar. 25; Serial No. 434,557; published Jan. 14, 1941. Class 39.

Firestone Tire & Rubber Company, The, Akron, Ohio. Chlorine-containing rubber compounds, including rubber chloride and rubber hydrochloride. 386,163; Mar. 25; Serial No. 438,126; published Jan. 7, 1941. Class 6.

Firma "Ormig" Organisationsmittel G. m. b. H., Berlin and Berlin-Tempelhof, Germany. Organic solvents. 385,923; Mar. 25; Serial No. 424,886; published Dec. 17, 1940. Class 6.

Flegenheimer, David, New York, N. Y. Hairnets. 386,046; Mar. 25; Serial No. 436,965; published Jan. 14, 1941. Class 39.

Fontenelle Mills, Inc., by change of name Fontenelle Hosiery, Inc., Kansas City, Mo. Hosiery. 385,925; Mar. 25; Serial No. 425,396; published Mar. 5, 1940. Class 39.

Forest City Rubber Company, The, Cleveland, Ohio. Medicinal preparation for use as an inhalant. 386,131; Mar. 25; Serial No. 437,816; published Dec. 24, 1940. Class 6.

Fort Pitt Bedding Company, Pittsburgh, Pa. Mattresses and box springs. 386,170–1; Mar. 25; Serial Nos. 438,388–9; published Jan. 14, 1941. Class 32.

Fox River Paper Corporation, Appleton, Wis. Bond paper and ledger paper. 386,191; Mar. 25. Class 37.

Franc, Strohmenger & Cowan, Inc., Troy, N. Y. Neckties. 386,136; Mar. 25; Serial No. 437,861; published Jan. 14, 1941. Class 39.

Frank & Seder of Pittsburgh, Inc., Pittsburgh, Pa. Wearing apparel for men, women, and children. 386,014; Mar. 25; Serial No. 435,937; published Jan. 14, 1941. Class 39.

Franklin Simon & Co., New York, N. Y. Furnishings, undergarments, and clothing. 386,181; Mar. 25. Class 39.

Friendly Laboratories, Shawnee, Okla. Laxative. 386,062; Mar. 25; Serial No. 437,129; published Dec. 24, 1940. Class 6.

Friesel, Elfriede, doing business as Franz Küssner & Co., Gesellschaft mit beschrankter Haftung, Berlin-Neukolln, Germany. Chicken broth cubes. 385,935; Mar. 25; Serial No. 427,839; published Jan. 14, 1941. Class 46.

Funk Bros. Seed Co., Bloomington, Ill. Soybean meal used as a food for animals or poultry. 386,203; Mar. 25. Class 46.

Garfinckel, Julius, & Co., Incorporated, Washington, D. C. Handbags. 386,043; Mar. 25; Serial No. 436,928; published Jan. 14, 1941. Class 3.

Garratt-Callahan Co., Chicago, Ill. Soot and carbon scale removing chemical preparation. 386,003; Mar. 25; Serial No. 435,547; published Dec. 24, 1940. Class 6.

Geier, P. A., Company, The, Cleveland, Ohio. Electrical apparatus. 141,556; renewed Apr. 26, 1941.

Gem Hammock & Fly Net Company, The, assignor to Gem Hammock & Fly Net Company, Milwaukee, Wis. Polish for furniture, automobiles, floors, etc. 138,246; renewed Dec. 21, 1940.

General Mills, Inc., Minneapolis, Minn. Cartons or receptacles of paper or cardboard. 385,949; Mar. 25; Serial No. 432,028; published Jan. 14, 1941. Class 2.

General Tire & Rubber Company, The, Akron, Ohio. Radiator flush. 385,911; Mar. 25; Serial No. 400,341; published Jan. 7, 1941. Class 6.

General Tire & Rubber Company, The, Akron, Ohio. Shoe fillers. 386,086; Mar. 25; Serial No. 437,439; published Jan. 14, 1941. Class 1.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 386,176; Mar. 25, 1941. Class 35.

General Waterproofing Company, The, Warren, Ohio. Waterproofing and cement paint. 386,038; Mar. 25; Serial No. 436,888; published Jan. 14, 1941. Class 16.

Gill, Thomas, Soap Company, Inc., New York, N. Y. Medicated corn, bunion, and callous pads. 386,187; Mar. 25. Class 6.

Gill, Thomas, Soap Company, Inc., New York, N. Y. Medicated toilet and bath soap. 386,188; Mar. 25. Class 4.

Globe Hoist Company, Des Moines, Iowa. Automobile hoists. 385,917; Mar. 25; Serial No. 413,851; published Jan. 14, 1941. Class 23.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. 386,080; Mar. 25; Serial No. 437,409; published Jan. 14, 1941. Class 35.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Laundry bleach, liquid bluing, clear ammonia, and cloudy ammonia. 386,068; Mar. 25; Serial No. 437,190; published Jan. 7, 1941. Class 6.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Dog food. 386,077; Mar. 25; Serial No. 437,362; published Jan. 14, 1941. Class 46.

Greenberg, Harry H., Inc., New York, N. Y. Ladies' dresses. 386,027; Mar. 25; Serial No. 436,262; published Jan. 14, 1941. Class 39.

Grossman, Isidore, New York, N. Y. Men's and boys' suits, overcoats, and top coats. 386,194; Mar. 25. Class 39.

Haack Bros. Manufacturing Pharmacists, Portland, Oreg. Liquid preparation. 385,975; Mar. 25; Serial No. 436,650; published Dec. 17, 1940. Class 6.

Hadfields Limited, Sheffield, England. Steel castings and forgings of standard and special shapes. 139,544; renewed Feb. 8, 1941.

Hall, C. P., Company, The, Akron, Ohio. Rubber softener with asphaltic base. 386,055; Mar. 25; Serial No. 437,089; published Dec. 24, 1940. Class 6.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Shirts, drawers, and union suits. 386,008; Mar. 25; Serial No. 435,717; published Dec. 24, 1940. Class 39.

Hardesty, W. C., Company, Inc., New York, N. Y. Fatty acids and other fatty materials used in lubricating oils and greases. 386,047; Mar. 25; Serial No. 436,966; published Dec. 31, 1940. Class 6.

Harley-Davidson Motor Company, Milwaukee, Wis. Two-passenger motorcycle seats. 386,124; Mar. 25; Serial No. 437,768; published Jan. 14, 1941. Class 19.

Harrison Paint & Varnish Company, The. (See Walters, George G.)

Hat Corporation of America, Norwalk, Conn. Hats for men. 386,063; Mar. 25; Serial No. 437,134; published Jan. 14, 1941. Class 39.

Hathaway, C. F., Co., Waterville, Maine. Outer shirts. 385,937; Mar. 25; Serial No. 429,569; published Jan. 7, 1941. Class 39.

Hayes, James H., New York, N. Y. Artificial lures. 385,958; Mar. 25; Serial No. 432,688; published Jan. 14, 1941. Class 22.

Hellman, Max, doing business as Hellman & Hellman, New York, N. Y. Women's and misses' dresses, blouses, skirts, playsuits, etc. 386,204; Mar. 25. Class 39.

Herb Distributors, Los Angeles, Calif. Dried herbs. 386,103; Mar. 25; Serial No. 437,560; published Jan. 7, 1941. Class 6.

Hercules Powder Company, Wilmington, Del. Casein. 385,941; Mar. 25; Serial No. 430,399; published Dec. 17, 1940. Class 6.

Herz Manufacturing Corporation, New York, N. Y. Drinking cups. 386,110; Mar. 25; Serial No. 437,595; published Jan. 14, 1941. Class 2.

Hixson, Merrel E., Long Beach, Calif. Game. 385,953–4; Mar. 25; Serial Nos. 432,443–4; published Jan. 14, 1941. Class 22.

Hoffman, Max, doing business as M. Hoffman Co., Boston, Mass. Overalls, jumpers, pants, etc. 386,177; Mar. 25. Class 39.

Holmes Bros. Bear Creek Orchards, Medford, Oreg. Pears. 386,193; Mar. 25. Class 46.

Holmes Brothers, doing business as Holmes Bros. Bear Creek Orchards, Medford, Oreg. Fresh fruits. 386,023; Mar. 25; Serial No. 436,216; published Jan. 14, 1941. Class 46.

Hood, H. P., & Sons, Inc., Boston, Mass. Ice-cream. 144,230; renewed June 28, 1941.

Hornreich Bros., New York, N. Y. Fur collars. 386,039; Mar. 25; Serial No. 436,893; published Dec. 31, 1940. Class 39.

Hospital Liquids, Inc., Chicago, Ill. Intravenous administration sets, blood transfusion sets, dispensers for solutions, etc. 386,125; Mar. 25; Serial No. 437,769; published Jan. 14, 1941. Class 44.

House of Herbs, Inc., Canaan, Conn. Vinegar. 386,087; Mar. 25; Serial No. 437,443; published Jan. 14, 1941. Class 46.

Household Chemical Sales, Inc., Long Island City, N. Y. Upholstery and rug cleaner. 386,135; Mar. 25; Serial No. 437,852; published Dec. 31, 1940. Class 4.

Huntington Laboratories, Inc., Huntington, Ind. Pipe and drain cleaning compound. 386,032; Mar. 25; Serial No. 436,803; published Dec. 31, 1940. Class 6.

Hygrade Food Products Corporation, New York, N. Y., and Wheeling, W. Va. Bacon. 386,202; Mar. 25. Class 46.

Industrial Chemical Products Co., Detroit, Mich. Compound to be applied to the surface of non-ferrous metal to prepare the same for painting. 386,167; Mar. 25; Serial No. 438,337; published Jan. 7, 1941. Class 6.

Industrial Chemical Products Co., Detroit, Mich. Soldering flux. 386,168; Mar. 25; Serial No. 438,338; published Jan. 7, 1941. Class 6.

Industriecle Maatschappij Activit N. V., Amsterdam, Netherlands. Active carbonaceous materials. 385,929; Mar. 25; Serial No. 425,893; published Jan. 14, 1941. Class 6.

Intercontinent Forestry & Rights Corporation, New York, N. Y. Xmas tree. 386,175; Mar. 25. Class 1.

International Products Corporation, New York, N. Y. Non-lubricant extracts used for tanning and dyeing, and oil drilling. 385,990; Mar. 25; Serial No. 434,984; published Jan. 7, 1941. Class 6.

Isaacson Iron Works, Seattle, Wash. Tractors. 386,056; Mar. 25; Serial No. 437,091; published Jan. 14, 1941. Class 23.

Italian Vineyard Company, Los Angeles, Calif. Brandy. 386,126; Mar. 25; Serial No. 437,773; published Jan. 14, 1941. Class 49.

Jayhawk Mfg. Co., Inc., New York, N. Y. Garment bags, shoe bags, utility boxes. 385,983; Mar. 25; Serial No. 434,492; published Jan. 14, 1941. Class 2.

Kallman, L. R., doing business as L. R. Kallman & Company, Chicago, Ill. Cosmetic preparation. 386,088; Mar. 25; Serial No. 437,445; published Jan. 7, 1941. Class 6.

Kaplan, Harold, New York, N. Y. Men's outer shirts, pajamas, and nightshirts. 386,034; Mar. 25; Serial No. 436,850; published Dec. 31, 1940. Class 39.

Karpf, Louis, & Co. Inc., New York, N. Y. Shirts, blouses, and pajamas. 386,115; Mar. 25; Serial No. 437,657; published Jan. 7, 1941. Class 39.

Kaumagraph Company, New York, N. Y. Hosiery. 386,028; Mar. 25; Serial No. 436,271; published Jan. 14, 1941. Class 39.

Kelly, Douglas & Co., Limited, Vancouver, British Columbia, Canada. Tea, coffee, food flavoring extracts, etc. 385,981; Mar. 25; Serial No. 436,771; published Jan. 14, 1941. Class 46.

Ken Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits, capes, jackets, etc. 386,205; Mar. 25. Class 39.

Kirby's Drug Products, Union, S. C. Laxative capsules. 385,979; Mar. 25; Serial No. 436,727; published Jan. 7, 1941. Class 6.

Kitchen Products, Inc., Chicago, Ill. Household bleach. 386,024; Mar. 25; Serial No. 436,219; published Dec. 24, 1940. Class 6.

Klein, S. C., Company, The, Cleveland, Ohio. Coats and suits. 386,097; Mar. 25; Serial No. 437,515; published Jan. 7, 1941. Class 39.

Klein, S. C., Company, The, Cleveland, Ohio. Ladies' coats and suits. 386,195; Mar. 25. Class 39.

Kleinkramer, Simon, New York, N. Y. Hand cream, perfume, cold cream, etc. 386,098; Mar. 25; Serial No. 437,516; published Dec. 24, 1940. Class 6.

Kling, Le Roy, Cedar Rapids, Iowa. Plant food. 385,942; Mar. 25; Serial No. 430,962; published June 25, 1940. Class 10.

Korn, David, & Co. Inc., New York, N. Y. Ladies' apparel comprising slips, chemises, dance sets, nightgowns, etc. 386,192; Mar. 25. Class 39.

Kraus, Otto E., New York, N. Y. Razor blades. 386,189; Mar. 25. Class 23.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Toilet tissue. 385,918; Mar. 25; Serial No. 417,464; published June 4, 1940. Class 37.

Küssner, Franz, & Co., Gesellschaft mit beschrankter Haftung. (See Friesel, Elfriede.)

Landau, Sam, New York, N. Y. Slips. 386,040; Mar. 25; Serial No. 436,895; published Dec. 24, 1940. Class 39.

Lane, Frank, Inc., New York, N. Y. Suits and coats for men and boys. 386,071; Mar. 25; Serial No. 437,205; published Jan. 14, 1941. Class 39.

La Reine Sportswear, Inc., New York, N. Y. Skirts. 385,964; Mar. 25; Serial No. 433,573; published Jan. 7, 1941. Class 39.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 385,968; Mar. 25; Serial No. 434,180; published Jan. 14, 1941. Class 46.

Lee Paper Company, Vicksburg, Mich. Brilliant white vellum with leather finish in colors. 386,004; Mar. 25; Serial No. 435,551; published Nov. 5, 1940. Class 37.

Lentheric, Incorporated, New York, N. Y. Vanity cases. 386,000; Mar. 25; Serial No. 435,300; published Dec. 24, 1940. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfume, toilet water, talcum face and bath powders, etc. 386,081; Mar. 25; Serial No. 437,412; published Dec. 17, 1940. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfume, toilet water, face powder, etc. 386,082; Mar. 25; Serial No. 437,413; published Dec. 24, 1940. Class 6.

Lido Sportswear, Inc., New York, N. Y. Coats, suits, dresses, etc. 385,987; Mar. 25; Serial No. 434,798; published Dec. 31, 1940. Class 39.

Lightning Class Association, Syracuse, N. Y. Sail boats and boat sails. 386,007; Mar. 25; Serial No. 435,700; published Jan. 14, 1941. Class 19.

Lilly, Eli, and Company, Indianapolis, Ind. Undenatured fungus antigens. 386,015; Mar. 25; Serial No. 436,021; published Dec. 17, 1940. Class 6.

Livermore, Dorothea F., Brooklyn, N. Y. Women's and misses' skirts. 386,089; Mar. 25; Serial No. 437,447; published Jan. 14, 1941. Class 39.

Lloyd Brothers, Pharmacists, Inc. (See Penick, S. B., & Company.)

Lorenz, C., A. G., Lorenzweg, Germany. Telephone and telegraph apparatus, high frequency generating, electric motors, etc. 386,174; Mar. 25. Class 21.

Lucas Kil-Tone Co., Philadelphia, Pa. Insecticides and fungicides. 385,961; Mar. 25; Serial No. 433,356; published Sept. 3, 1940. Class 6.

M. & M. Products Company. (See Mahoney, Henry T.)

Maeding, Alice P., doing business as Parry-May Co., New York, N. Y. Ointment for the treatment of the skin. 386,116; Mar. 25; Serial No. 437,658; published Dec. 24, 1940. Class 6.

Mahler, Fred H., doing business as Allen & Company, New York, N. Y. Carbon paper and inked ribbons. 386,120; Mar. 25; Serial No. 437,727; published Jan. 14, 1941. Class 11.

Mahoney, Henry T., doing business as M. & M. Products Company, Fairview, Okla. Preparation for the treatment of coccidiosis, roup, cholera, etc. 386,018; Mar. 25; Serial No. 436,131; published Dec. 17, 1940. Class 6.

Mallon Mattress Corporation, Boston, Mass. Mattresses, box springs, and upholstered furniture. 386,164; Mar. 25; Serial No. 438,142; published Jan. 14, 1941. Class 32.

Manford Neckwear Co. (See Silverman, Sol.)

Man-O-Ree Products. (See Monroe, Charles P.)

Mansbrooke Rainwear Co., doing business as Mansbrooke Clothing Co., Needham Heights, Mass. Coats, raincoats, overcoats, etc. 385,926; Mar. 25; Serial No. 425,521; published Dec. 31, 1940. Class 39.

Markets, Inc., Oakland, Calif. Household bleach. 386,013; Mar. 25; Serial No. 435,943; published Dec. 24, 1940. Class 6.

Marshall-Wells Company, Duluth, Minn. Tire tube repair kits, brake lining sets, piston ring sets, etc. 386,011; Mar. 25; Serial No. 435,800; published Jan. 14, 1941. Class 35.

Masterbilt Products Corporation, New York, N. Y. Combination cigarette lighter, cigarette dispenser, and container. 385,977; Mar. 25; Serial No. 436,675; published Jan. 14, 1941. Class 8.

Matthews, W. N., Corporation, St. Louis, Mo. Electrical discharge apparatus. 386,064; Mar. 25; Serial No. 437,139; published Jan. 14, 1941. Class 21.

McKesson & Robbins, Inc., Debtor. (See Wardall, William J.)

Melas Chemical Company. (See Stull, Irene.)

Meyers, Louis, & Son, Inc., New York, N. Y. Ladies', men's and children's gloves of leather, fabric, etc. 386,152; Mar. 25; Serial No. 437,953; published Jan. 14, 1941. Class 39.

Michalover, Joseph, Inc., New York, N. Y. Piece goods. 386,132; Mar. 25; Serial No. 437,829; published Jan. 14, 1941. Class 42.

Michigan Fruit Canners, Inc., Benton Harbor, Mich. Canned fruits and vegetables, and canned vegetable juices. 385,980; Mar. 25; Serial No. 434,755; published Jan. 14, 1941. Class 46.

Midway Chemical Co., Jersey City, N. J. Poison for killing snails, slugs, sowbugs, earwigs, etc. 386,133; Mar. 25; Serial No. 437,830; published Dec. 31, 1940. Class 6.

Milkmaid, Inc., New York, N. Y. Cosmetics. 386,091; Mar. 25; Serial No. 437,476; published Dec. 17, 1940. Class 6.

Miller, F. W., Heating Co., Chicago, Ill. Locomotive boiler washing, steaming temperature refilling and conditioning units. 386,182; Mar. 25. Class 34.

Miller, Joseph W., doing business as Miller Pharmacy, Skellytown, Tex. Counter irritant intended as a rub. 386,104; Mar. 25; Serial No. 437,565; published Dec. 24, 1940. Class 6.

Miss Susan, Inc., New York, N. Y. Slips and camisoles. 386,067; Mar. 25; Serial No. 437,160; published Jan. 7, 1941. Class 39.

Mitchell Brothers Inc., New York, N. Y., and Bridgeport, Conn. Pajamas. 386,137; Mar. 25; Serial No. 437,875; published Jan. 14, 1941. Class 39.

Monarch Leather Company, Chicago, Ill. Leather. 386,105–6; Mar. 25; Serial Nos. 437,567–8; published Jan. 14, 1941. Class 1.

Monroe, Charles P., doing business as Man-O-Ree Products, Greensboro, N. C. General laxative. 386,029; Mar. 25; Serial No. 436,396; published Dec. 17, 1940. Class 6.

Monteverde, P., & Co., to Monteverde & Parodi, Inc., San Francisco, Calif., successor. Olive oil. 140,496; renewed Mar. 15, 1941.

Mutual Pharmacal Company, Inc., Syracuse, N. Y. Neutral vehicle useful as a solvent or flavoring agent for medicinal preparations. 385,942; Mar. 26; Serial No. 430,693; published Jan. 14, 1941. Class 6.

N. V. Stoom Chocolade & Cacaofabriek "Kwatta", Middenlaan, at Breda, Netherlands. Chocolate. 145,467; renewed Aug. 2, 1941.

Nelson, Julius, Corp., New York, N. Y. Ladies' and misses' coats, suits, etc. 386,041; Mar. 25; Serial No. 436,902; published Dec. 31, 1940. Class 39.

New Mexico Naturopathic Labs. (See Compere, Woodfin G.)

Nisbet, Walter B., doing business as W. B. Nisbet Company, Los Angeles, Calif. Products for treating gastrointestinal disturbances. 386,172; Mar. 25; Serial No. 438,401; published Jan. 14, 1941. Class 6.

Norbud Hosiery Shops, Inc., Washington, D. C. Hosiery. 386,019; Mar. 25; Serial No. 436,137; published Dec. 24, 1940. Class 39.

Norton Company, Worcester, Mass. Granular abrasive material. 140,917; renewed Mar. 29, 1941.

Oca Medicine Company, Inc., The, New York, N. Y. Preparations indicated in and for the treatment of headaches, neuralgias, coughs, etc. 385,972; Mar. 25; Serial No. 436,577; published Dec. 17, 1940. Class 6.

Ohio Brass Company, The, Mansfield, Ohio. Electrical apparatus and supplies. 386,063; Mar. 25; Serial No. 437,071; published Jan. 14, 1941. Class 21.

Oneita Knitting Mills, Utica, N. Y. Sweat shirts. 386,050; Mar. 25; Serial No. 437,044; published Dec. 31, 1940. Class 39.

Oshkosh B'Gosh, Inc., Oshkosh, Wis. Men's and boys' outer shirts and pants. 386,065; Mar. 25; Serial No. 437,143; published Jan. 14, 1941. Class 39.

Owens-Illinois Glass Company, Toledo, Ohio. Glass bottles. 385,988; Mar. 25; Serial No. 434,841; published Jan. 14, 1941. Class 33.

Oza Compound Products. (See Smith, Curtis.)

Pacific Distributors, Inc., Los Angeles, Calif. Shampoo, almond lotion, cocoanut oil shampoo, etc. 386,001; Mar. 25; Serial No. 435,312; published Dec. 24, 1940. Class 6.

Packard Dresses, Inc., New York, N. Y. Dresses and dress ensembles. 386,002; Mar. 25; Serial No. 435,372; published Dec. 31, 1940. Class 39.

Parry-May Co. (See Maeding, Alice P.)

Patricia Petticoat Co., Inc., The, New York, N. Y. Women's and Misses' slips. 386,153; Mar. 25; Serial No. 437,984; published Jan. 14, 1941. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Dresses. 386,179; Mar. 25, 1941. Class 39.

Pepperell Manufacturing Company, assignor to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 141,199; renewed Apr. 12, 1941.

Perfect Negligee Co., New York, N. Y. Misses' housecoats, negligees, and pajamas. 386,190; Mar. 25. Class 39.

Perloff, Leon, doing business as Squirtex Co., Philadelphia, Pa. Preparation for soapless dishwashing. 385,938; Mar. 25; Serial No. 429,676; published June 4, 1940. Class 4.

Permo Products Corporation, Chicago, Ill. Phonograph needles. 385,930; Mar. 25; Serial 426,707; published Jan. 14, 1941. Class 36.

Penick, S. B., & Company, New York, N. Y., doing business as Lloyd Brothers, Pharmacists, Inc., Cincinnati, Ohio. Fluid extract. 385,974; Mar. 25; Serial No. 436,626 published Dec. 17, 1940. Class 6.

Pennsylvania Rubber Company, Jeannette, Pa. Tires. 386,099; Mar. 25; Serial No. 437,527; published Jan. 14, 1941. Class 35.

Pennsylvania Rubber Compahy, Jeannette, Pa. Tires. 386,121; Mar. 25; Serial No. 437,739; published Jan. 14, 1941. Class 35.

Pennsylvania Rubber Company, Jeannette, Pa. Tennis balls. 386,127; Mar. 25; Serial No. 437,782; published Jan. 14, 1941. Class 22.

Penny, J. C., Company, Wilmington, Del., and New York, N. Y. Children's shoes made of leather, etc. 386,141; Mar. 25; Serial No. 437,907; published Jan. 14, 1941. Class 39.

Pennzoil Company, The, Los Angeles, Calif. A liquid compound for killing insects and a liquid anti-freeze compound for use in the radiators in internal combustion engines. 386,138; Mar. 25; Serial No. 437,877; published Dec. 31, 1940. Class 6.

Phelps Ointment Co., The, Green Bay, Wis. Ointment. 386,092; Mar. 25; Serial No. 437,480; published Jan 7, 1941. Class 6.

Phil-lo Laboratories. (See Christensen, Peter.)

Phoenix Hosiery Company, Milwaukee, Wis. Women's and children's hosiery. 386,009; Mar. 25; Serial No. 435,730; published Dec. 24, 1940. Class 39.

Pikle Rite Company, not Inc. (See Wood, John A.)

Procter & Gamble Company, Cincinnati, Ohio. Dentifrice; 385,915; Mar. 25; Serial No. 411,710; published Dec 31, 1940. Class 6.

Quaker Oats Company, The, Chicago, Ill. Corn flakes. 142,321; renewed May 10, 1941.

Queen Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Typewriter ribbons and carbon paper. 386,035; Mar. 25; Serial No. 436,857; published Jan. 7, 1941. Class 11.

Queen Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Carbon paper. 386,010; Mar. 25; Serial No. 436,064; published Jan. 7, 1941. Class 11.

R H P Chemical Co. (See Fallenberg, Robert H.)

Raich & Michel, New York, N. Y. Piece goods. 386,139; Mar. 25; Serial No. 437,879; published Jan 14, 1941. Class 42.

Rainbow Children Dress Co., New York, N. Y. Dresses. 386,025; Mar. 25; Serial No. 436,226; published Dec. 31, 1940. Class 39.

Rand Rubber Company, Inc., Brooklyn, N. Y. Aprons. 385,978; Mar. 25; Serial No. 436,078; published Jan 7, 1941. Class 39.

Rare Chemicals, Inc., Yonkers, N. Y. Individual containers made of tin, aluminum, metal foil packages, gelatin capsules, etc. 385,950; Mar. 25; Serial No. 432,049; published Jan. 14, 1941. Class 6.

Red Wing Company, Inc., The, Fredonia, N. Y., to The Red Wing Company, successor. Foods. 140,017; renewed Mar. 1, 1941.

Reichel Laboratories, Kimberton, Pa. Dried serum intended for use in biologic tests, etc. 386,006; Mar. 25; Serial No. 435,691; published Jan. 7, 1941. Class 6.

Remington Arms Company, Inc., Bridgeport, Conn., Swanton, Vt., Ilion and New York, N. Y., to Remington Arms Company, Inc., Bridgeport, Conn. Pocket-knives and bayonets. 142,106–7; renewed May 3, 1941.

Remington Arms Company, Inc., Bridgeport, Conn., Ilion, N. Y., Swanton, Vt., and New York, N. Y., to Remington Arms Company, Inc., Bridgeport, Conn. Pocket-knives. 143,436–7; renewed May 31, 1941.

Revlon Products Corporation, New York, N. Y. Enamel adapted for coating finger nails and lipsticks. 385,922; Mar. 25; Serial No. 423,861; published Oct. 31, 1939. Class 6.

Revlon Products Corporation New York, N. Y. Women's hats, fabric gloves, hosiery, etc. 386,057–9; Mar. 25; Serial Nos. 437,106–8; published Jan. 14, 1941. Class 39.

Richmond-Chase Company, San Jose, Calif. Canned fruits and canned vegetables. 140,197; renewed Mar. 8, 1941.

Robet Hosiery Co., New York, N. Y. Hosiery. 386,073; Mar. 25; Serial No. 437,287; published Jan. 14, 1941. Class 39.

Robinson, Mabel A., Boston, Mass. Hair dressing preparations. 385,927; Mar. 25; Serial No. 425,652; published July 30, 1940. Class 6.

Rodelle Laboratories, Incorporated, Denver, Colo. Liquid chemical compound containing ethyl ester para hydroxy benzoic acid, acid benzoic, sodium bicarbonate, and glycerine. 386,022; Mar. 25; Serial No. 436,209; published Jan. 7, 1941. Class 6.

Rondeau, H. O., Shoe Company, Farmington, N. H. Ladies' and misses' shoes and slippers made of leather, canvas, etc. 386,134; Mar. 25; Serial No. 437,835; published Jan. 14, 1941. Class 39.

Rose Brothers, New York, N. Y. Coats, vests and trousers. 386,083; Mar. 25; Serial No. 437,418; published Jan. 7, 1941. Class 39.

S. & G. Rubber Company, Inc., New York, N. Y. Rubber combs. 385,969–70; Mar. 25; Serial Nos. 434,291–2; published Jan. 14, 1941. Class 40.

Safeway Stores, Inc., Vernon and Oakland, Calif. Dried vegetables, cocoanut, rice, etc. 385,919; Mar. 25; Serial No. 418,063; published Jan. 7, 1941. Class 46.

Sage, Peggy, Inc., Stamford, Conn. Nail polish. 386,158; Mar. 25; Serial No. 438,053; published Dec. 31, 1940. Class 6.

Saks & Company, New York, N. Y. Dresses and coats. 386,180; Mar. 25. Class 39.

Sales Affiliates, Inc., New York, N. Y. Hair waving lotions. 386,142; Mar. 25; Serial No. 437,915; published Dec. 31, 1940. Class 6.

Sanchez Ronate Hermanos, S. A., Jerez de la Frontera, Spain. Brandies, cognac, anise, etc. 386,010; Mar. 25; Serial No. 435,743; published Jan. 14, 1941. Class 49.

Sapphire Hosiery Corporation. (See Aschner, Abner M., assignor.)

Schaefer, Inc., Minneapolis, Minn. Refrigerators. 386,169; Mar. 25; Serial No. 438,356; published Jan. 14, 1941. Class 31.

Schnetzler, Jack L., San Francisco, Calif. Phonograph records and transcriptions of musical and dramatic performances. 385,989; Mar. 25; Serial No. 434,884; published Jan. 14, 1941. Class 36.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Chemical preparation. 386,107; Mar. 25; Serial No. 437,580; published Jan. 7, 1941. Class 6.

Schrank, M. C., Company, Bridgeton, N. J. Women's clothing. 386,143; Mar. 25; Serial No. 437,917; published Jan. 14, 1941. Class 39.

Seconder, Arthur, Pontiac, Mich. Liniment. 385,971; Mar. 25; Serial No. 434,297; published Dec. 24, 1940. Class 6.

Seeburg, J. P., Corporation, Chicago, Ill. Merchandise vending machines. 386,075; Mar. 25; Serial No. 437,354; published Jan. 14, 1941. Class 23.

Sharpe & Dohme, Incorporated, Philadelphia, Pa. Chemotherapeutic agents. 385,960; Mar. 25; Serial No. 433,292; published Sept. 3, 1940. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Bottled pharmaceutical preparation. 386,084; Mar. 25; Serial No. 437,421; published Jan. 7, 1941. Class 6.

Sharples Solvents Corporation, The, Philadelphia, Pa. Synthetic organic chemicals including aromatic hydrocarbons substituted on the aromatic nucleus by an alkyl radical or radicals. 385,991; Mar. 25; Serial No. 435,004; published Dec. 31, 1940. Class 6.

Shield Foods, Inc., Buffalo, N. Y. Canned green beans, tomatoes, corn, etc. 385,916; Mar. 25; Serial No. 412,202; published Jan. 14, 1941. Class 46.

Silverman, Sol, doing business as Manford Neckwear Co., New York, N. Y. Neckties. 386,030; Mar. 25; Serial No. 436,527; published Dec. 31, 1940. Class 39.

Smith Brothers Drug Company, Greensboro and Summerfield, N. C. Preparation for alleviating headaches and neuralgia. 386,031; Mar. 25; Serial No. 436,779; published Dec. 24, 1940. Class 6.

Smith, Curtis, doing business as Oza Compound Products, Fort Wayne, Ind. Specially prepared formula for use as a tonic. 386,112; Mar. 25; Serial No. 437,633; published Dec. 24, 1940. Class 6.

Smith, F. A., Manufacturing Co., Inc., Rochester, N. Y. Electric motors. 386,155; Mar. 25; Serial No. 438,023; published Jan. 14, 1941. Class 21.

Smith, Mdme. Ora, Dudley, N. C. Hair tonics. 386,054; Mar. 25; Serial No. 437,077; published Dec. 24, 1940. Class 6.

Sobel, Julius, doing business as Splendico, New York, N. Y. Ladies' leather gloves. 385,966; Mar. 25; Serial No. 433,802; published Jan. 14, 1941. Class 39.

Society of Chemical Industry in Basle, Basel, Switzerland. Alteratives, amebacides, analgesics, etc. 385,992–3; Mar. 25; Serial Nos. 435,005–6; published Dec. 31, 1940. Class 6.

Society of Chemical Industry in Basle, Basel, Switzerland. Male sexual hormone. 386,012; Mar. 25; Serial No. 435,816; published Dec. 17, 1940. Class 6.

Southern Steel Company, San Antonio, Tex. Hydrocarbon liquefied gas fuel. 385,934; Mar. 25; Serial No. 427,776; published Dec. 24, 1940. Class 6.

Splendico. (See Sobel, Julius.)

Springs Cotton Mills, Lancaster, S. C. Sheets and sheetings. 386,118; Mar. 25; Serial No. 437,702; published Jan. 14, 1941. Class 42.

Squirtex Co. (See Perloff, Leon.)

Sterling Products (Incorporated), Wheeling, W. Va. Antacid tablets for the relief of acid indigestion. 385,976; Mar. 25; Serial No. 436,634; published Jan. 7, 1941. Class 6.

Stetson, John B., Company, Philadelphia, Pa. Hats. 386,159; Mar. 25; Serial No. 438,097; published Jan. 14, 1941. Class 39.

Stover Manufacturing & Engine Co., Freeport, Ill. Windmills. 385,920; Mar. 25; Serial No. 418,655; published June 20, 1939. Class 23.

Stull, Irene, doing business as Melas Chemical Company, Ferguson, Mo. Medicinal balm ointment and salve. 386,066; Mar. 25; Serial No. 437,159; published Dec. 31, 1940. Class 6.

Taxin, Charles, Co., Philadelphia, Pa. Raw carrots. 386,173; Mar. 25; Serial No. 428,371; published Apr. 23, 1940. Class 46.

Taylor, George W., Leeds, England. Pharmaceutical preparations. 385,957; Mar. 25; Serial No. 432,495; published Dec. 17, 1940. Class 6.

Tidy Products Corporation, New York, N. Y. Over garments, snow suits. 386,184–5; Mar. 25. Class 39.

Tipstik Cosmetics. (See Ever-Dry Corporation.)

Tornabene, Vincent, Chicago, Ill. Salve. 385,921; Mar. 25. Serial No. 422,386; published Feb. 13, 1940. Class 6.

Toth, John, Holy Cross, Ind. External preparation used to relieve pains of muscles, artery ruptures, etc. 386,033; Mar. 25; Serial No. 436,825; published Dec. 24, 1940. Class 6.

Trelak Co., St. Louis, Mo. Shampoo, scalp and hair lotion, foot cream, and a compound to relieve discomforts sustained from burns, etc. 385,995; Mar. 25; Serial No. 435,151; published Dec. 17, 1940. Class 6.

Ultra Refined Crude Products Company, to D. O. Welty, Chicago, Ill., successor. Toilet and medicinal preparation. 141,704; renewed Apr. 26, 1941.

United States Rubber Company, New York, N. Y. Hose covers. 386,144–5; Mar. 25; Serial Nos. 437,923–4; published Jan. 14, 1941. Class 35.

Val-O-Cain Corporation, The, New York, N. Y. Local anesthetics. 385,939; Mar. 25; Serial No. 429,753; published May 28, 1940. Class 6.

Vierk, Norman A., Lafayette, Ind. Heating coils. 386,117; Mar. 25; Serial No. 437,670; published Jan. 14, 1941. Class 34.

Viniron Products Company, Brooklyn, N. Y. Medical preparation. 385,994; Mar. 25; Serial No. 435,100; published Dec. 31, 1940. Class 6.

Vio Bin Corporation, Chicago, Ill. Wheat germ oil. 385,912; Mar. 25; Serial No. 405,947; published Sept. 17, 1940. Class 6.

Walters, George G., doing business as The Harrison Paint & Varnish Company, Canton, Ohio. Liquid asphalt asbestos fibre roof paint, bonding coat paints, etc. 386,042; Mar. 25; Serial No. 436,913; published Jan. 14, 1941. Class 16.

Wardall, William J., trustee for the estate of McKesson & Robbins, Inc., Debtor, New York, N. Y. Preparation for the treatment of simple coughs and colds. 386,076; Mar. 25, 1941; Serial No. 437,357; published Dec. 31, 1940. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Liquid containing vitamins A, D, and C for use as a dietary supplement in the feeding of children. 386,146; Mar. 25; Serial No. 437,925; published Dec. 31, 1940. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Pituitary preparation for use in obstetrical and surgical cases. 386,147; Mar. 25; Serial No. 437,927; published Dec. 31, 1940. Class 6.

Washington Manufacturing Company, Nashville, Tenn. Clothing. 386,199; Mar. 25. Class 39.

Weisberg's, H., Sons, Inc., New York, N. Y. Topcoats, overcoats, and suits. 386,108; Mar. 25; Serial No. 437,587; published Jan. 7, 1941. Class 39.

Welty, D. O. (See Ultra Refined Crude Products Company.)

Western Arkansas Coal Company, Fort Smith, Ark. Coal. 386,093; Mar. 25; Serial No. 437,488; published Jan. 14, 1941. Class 1.

White, Lewis M., Portland, Oreg. Honey. 386,186; Mar. 25. Class 46.

Whittaker Laboratories, Inc., New York, N. Y. Preparations used for the treatment of arthritis, rheumatism, joint diseases, etc. 385,965; Mar. 25; Serial No. 433,692; published Dec. 24, 1940. Class 6.

Wiley-Bickford-Sweet Corporation, Worcester, Mass. Fabric shoes. 385,924; Mar. 25; Serial No. 425,127; published Jan. 14, 1941. Class 39.

Wilkins, F. K., Greensboro, N. C. Hosiery. 385,997; Mar. 25; Serial No. 435,230; published Dec. 24, 1940. Class 39.

Wonn, Leslie W., Riverside, Calif. Food for dogs, cats, and other carnivorous animals. 386,128–9; Mar. 25; Serial Nos. 437,793–4; published Jan. 14, 1941. Class 46.

Wood, John A., doing business as Pikle-Rite Company, not inc., Chicago, Ill. Bottled cucumber pickles. 386,107–8; Mar. 25. Class 46.

Zellerbach Paper Company, San Francisco, Calif. Paper cups and paper baking cups, paper plates, etc. 385,984; Mar. 25; Serial No. 434,509; published Jan. 14, 1941. Class 2.

Zimmerman, Brayton C., West Englewood, N. J. Emollient or lubricating cream and liquid for cleansing and nourishing the skin, etc. 385,914; Mar. 25; Serial No. 411,477; published Dec. 25, 1940. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Dickinson Fuel Company. 386,079; Mar. 25; Serial No. 437,406; published Jan. 14, 1941.

Coal. Western Arkansas Coal Company. 386,093; Mar. 25; Serial No. 437,488; published Jan. 14, 1941.

Leather. Monarch Leather Company. 386,105–6; Mar. 25; Serial Nos. 437,567–8; published Jan. 14, 1941.

Shoe fillers. General Tire & Rubber Company. 386,086; Mar. 25; Serial No. 437,439; published Jan. 14, 1941.

Trees. Xmas. Intercontinent Forestry & Rights Corporation. 386,175; Mar. 25.

CLASS 2

Bags, shoe bags, utility boxes, Garment. Jayhawk Mfg. Co., Inc. 385,983; Mar. 25; Serial No. 434,492; published Jan. 14, 1941.

Baskets and hampers. Burlington Basket Company. 385,967; Mar. 25; Serial No. 433,881; published Jan. 14, 1941.

Cartons or receptacles of paper or cardboard. General Mills, Inc. 385,940; Mar. 25; Serial No. 432,028; published Jan. 14, 1941.

Caskets, Burial. Rateaville Casket Co. 386,101; Mar. 25; Serial No. 437,548; published Jan. 14, 1941.

Cups and paper baking cups, paper plates, etc., Paper. Zellerbach Paper Company. 385,984; Mar. 25; Serial No. 434,509; published Jan. 14, 1941.

Cups, Drinking. Herz Manufacturing Corporation. 386,110; Mar. 25; Serial No. 437,595; published Jan. 14, 1941.

CLASS 3

Handbags. Julius Garfinckel & Co. 386,043; Mar. 25; Serial No. 436,928; published Jan. 14, 1941.

CLASS 4

Abrasive material, Granular. Norton Company. 140,917; renewed Mar. 29, 1941.

Cleaner for painted surfaces. C. A. Barker. 386,100, Mar. 25; Serial No. 437,546; published Jan. 14, 1941.

Cleaner, Upholstery and rug. Household Chemical Sales, Inc. 386,135; Mar. 25; Serial No. 437,852; published Dec. 31, 1940.

Detergent for removing grease from wall paper and similar surfaces. Blotex Co. 386,140; Mar. 25; Serial No. 437,934; published Jan. 14, 1941.

Preparation for soapless dishwashing. L. Perloff. 385,938; Mar. 25; Serial No. 429,676; published June 4, 1940.

Soap, Medicated toilet and bath. Thomas Gill Soap Company. 386,188; Mar. 25.

Strops and razor-hones, Razor. Cattaraugus Cutlery Company. 139,500; renewed Feb. 8, 1941.

CLASS 6

Alkalizer, swine vermifuge, etc., Intestinal. A. Aarons Co. 385,945; Mar. 25; Serial No. 431,282; published Dec. 24, 1940.

Alteratives, amebacides, anelegesics, etc. Society of Chemical Industry in Basle. 385,992–3; Mar. 25; Serial Nos. 435,065–6; published Dec. 31, 1940.

Analgesic tablets. Bisodol Company. 386,161; Mar. 25; Serial No. 438,113; published Jan. 7, 1941.

Anesthetics, Local. Val-O-Cain Corporation. 385,939; Mar. 25; Serial No. 429,753; published May 28, 1940.

Antacid tablets. Sterling Products (Incorporated). 385,976; Mar. 25; Serial No. 436,634; published Jan. 7, 1941.

Antigens, Undenatured fungus. Eli Lilly and Company. 386,015; Mar. 25; Serial No. 436,021; published Dec. 17, 1940.

Anti-malarial preparation. Abbott Laboratories. 385,982; Mar. 25; Serial No. 434,431; published Sept. 17, 1940.

Bleach, Household. Kitchen Products, Inc. 386,024; Mar. 25; Serial No. 436,219; published Dec. 24, 1940.

Bleach, Household. Markets, Inc. 386,013; Mar. 25; Serial No. 435,943; published Dec. 24, 1940.

Bleach, liquid bluing, clear ammonia, Laundry. Great Atlantic & Pacific Tea Company. 386,068; Mar. 25; Serial No. 437,190; published Jan. 7, 1941.

Capsules, Laxative. Kirby's Drug Products. 385,979; Mar. 25; Serial No. 436,727; published Jan. 7, 1941.

Carbonaceous materials, Active. Industrieele Maatschappij Activit N. V. 385,920; Mar. 25; Serial No. 425,893; published Jan. 14, 1941.

Casein. Hercules Powder Company. 385,941; Mar. 25; Serial No. 430,399; published Dec. 17, 1940.

Chemical adjuvants for the treatment of foods, etc. American Agricultural Chemical Company. 386,113; Mar. 25; Serial No. 437,637; published Dec. 24, 1940.

Chemical compound, Liquid. Rodelle Laboratories, Incorporated. 386,022; Mar. 25; Serial No. 436,209; published Jan. 7, 1941.

Chemical preparation. Scholl Mfg. Co. 386,107; Mar. 25; Serial No. 437,580; published Jan. 7, 1941.

Chemical preparation, Soot and carbon scale removing. Garratt-Callahan Co. 386,003; Mar. 25; Serial No. 435,547; published Dec. 24, 1940.

Chemicals, Synthetic organic. Sharples Solvents Corporation. 385,991; Mar. 25; Serial No. 435,004; published Dec. 31, 1940.

Chemo-therapeutic agents. Sharp & Dohme, Incorporated. 385,960; Mar. 25; Serial No. 433,292; published Sept. 3, 1940.

Chlorine-containing compounds. Firestone Tire & Rubber Company. 386,163; Mar. 25; Serial No. 438,126; published Jan. 7, 1941.

Compound to be applied to the surface of non-ferrous metal to prepare the same for painting. Industrial Chemical Products Co. 386,167; Mar. 25; Serial No. 438,337; published Jan. 7, 1941.

Containers made of tin, aluminum, metal foil packages, gelatin capsules, etc., Individual. Rare Chemicals, Inc. 385,950; Mar. 25; Serial No. 432,049; published Jan 14, 1941.

Cosmetics. Milkmaid, Inc. 386,091; Mar. 25; Serial No 437,476; published Dec. 17, 1940.

Cosmetics. M. de Wilkowska. 385,952; Mar. 25; Serial No. 432,181; published Dec. 31, 1940.

Cosmetic preparation. L. R. Kullman. 386,088; Mar. 25; Serial No. 437,445; published Jan. 7, 1941.

Counter irritant intended as a rub. J. W. Miller. 386,104; Mar. 25; Serial No. 437,565; published Dec. 24, 1940.

Cream, face powder, cologne, etc., Cleansing. Cosmetic Arts Co. 386,109; Mar. 25; Serial No. 437,590; published Jan. 7, 1941.

Cream, perfume, cold cream, etc., Hand. S. Kleinkramer. 386,098; Mar. 25; Serial No. 437,516; published Dec. 24, 1940.

Cream, Scalp. J. Baer. 386,196; Mar. 25.

Dentifrice. Procter & Gamble. 385,915; Mar. 25; Serial No. 411,710; published Dec. 31, 1940.

Emollient or lubricating cream and liquid. B. C. Zimmerman. 385,914; Mar. 25; Serial No. 411,477; published Dec. 25, 1940.

Enamel adapted for coating finger nails and lipsticks. Revlon Products Corporation. 385,922; Mar. 25; Serial No. 423,861; published Oct. 31, 1939.

Extracts used for tanning and drying, and oil drilling. Non-lubricant. International Products Corporation. 385,990; Mar. 25; Serial No. 434,984; published Jan. 7, 1941.

Fatty acids and other fatty materials. W. C. Hardesty Company. 386,047; Mar. 25; Serial No. 436,966; published Dec. 31, 1940.

Flotation agent. Deutsche Gold-und Silber Scheideanstalt vormals Roessler. 386,166; Mar. 25; Serial No. 438,269; published Jan. 7, 1941.

Fluid extract. S. B. Penick & Company. 385,974; Mar. 25; Serial No. 436,626; published Dec. 17, 1940.

Formula for use as a tonic, Specially prepared. C. Smith. 386,112; Mar. 25; Serial No. 437,633; published Dec. 24, 1940.

Fuel, Hydrocarbon liquified gas. Southern Steel Company. 385,934; Mar. 25; Serial No. 427,776; published Dec. 24, 1940.

Hair dressing preparations. M. A. Robinson. 385,927; Mar. 25; Serial No. 425,652; published July 30, 1940.

Hair tonic and lotion. M. K. Brady. 386,074; Mar. 25; Serial No. 437,300; published Dec. 31, 1940.

Hair waving lotions. Sales Affiliates, Inc. 386,142; Mar. 25; Serial No. 437,915; published Dec. 31, 1940.

Herbs. Herb Distributors. 386,103; Mar. 25; Serial No. 437,560; published Jan. 7, 1941.

Hormone, Male sexual. Society of Chemical Industry in Basle. 386,012; Mar. 25; Serial No. 435,816; published Dec. 17, 1940.

Insecticides. Commercial Solvents Corporation. 386,020; Mar. 25; Serial No. 436,164; published Dec. 24, 1940.

Insecticides and fungicides. Lucas Kil-Tone Co. 385,961; Mar. 25; Serial No. 433,356; published Sept. 3, 1940.

Kelp, Dehydrated. Burt Co. 386,017; Mar. 25; Serial No. 436,112; published Dec. 24, 1940.

Laxative. Friendly Laboratories. 386,062; Mar. 25; Serial No. 437,129; published Dec. 24, 1940.

Laxative, General. C. P. Monroe. 386,029; Mar. 25; Serial No. 436,396; published Dec. 17, 1940.

Liniment. A. Seconder. 385,971; Mar. 25; Serial No. 434,297; published Dec. 24, 1940.

Lipstick and lip rouge. Ever-Dry Corporation. 386,069–70; Mar. 25; Serial Nos. 437,197–8; published Jan. 7, 1941.

Liquid compound for killing insects and a liquid anti-freeze compound. Pennzoil Company. 386,138; Mar. 25; Serial No. 437,877; published Dec. 31, 1940.

Liquid containing vitamins A, D and C. William R. Warner & Co. 386,146; Mar. 25; Serial No. 437,925; published Dec. 31, 1940.

Liquid preparation. Haack Bros. Manufacturing Pharmacists. 385,975; Mar. 25; Serial No. 436,650; published Dec. 17, 1940.

Lubricants for fibers preparatory to spinning. Crew Levick Company. 140,357; renewed Mar. 15, 1941.

Medical preparation. Vinitron Products Company. 385,994; Mar. 25; Serial No. 435,100; published Dec. 31, 1940.

Medicated corn, bunion, and callous pads. Thomas Gill Soap Company. 386,187; Mar. 25.

Medicinal preparations for piles and hemorrhoids. P. Christensen. 386,052; Mar. 25; Serial No. 437,057; published Dec. 24, 1940.

Medicinal preparation for use as an inhalant. Forest City Rubber Company. 386,131; Mar. 25; Serial No. 437,816; published Dec. 24, 1940.

Nail polish. Peggy Sage, Inc. 386,158; Mar. 25; Serial No. 438,053; published Dec. 31, 1940.

Ointment. Phelps Ointment Co. 386,092; Mar. 25; Serial No. 437,480; published Jan. 7, 1941.

Ointment and salve. I. Stull. 386,066; Mar. 25; Serial No. 437,159; published Dec. 31, 1940.

Ointment for the treatment of the skin. A. P. Maeding. 386,116; Mar. 25; Serial No. 437,658; published Dec. 24, 1940.

Perfume, cologne, bath salts, and sachets. Artra Cosmetics, Inc. 386,156; Mar. 25; Serial No. 438,031; published Dec. 31, 1940.

Perfume, toilet water, talcum, face and bath powders, etc. Lentheric, Incorporated. 386,081; Mar. 25; Serial No. 437,412; published Dec. 17, 1940.

Perfume, toilet water, face powder, etc. Lentheric, Incorporated. 386,082; Mar. 25; Serial No. 437,413; published Dec. 24, 1940.

Pharmaceutical preparations. G. W. Taylor. 385,957; Mar. 25; Serial No. 432,495; published Dec. 17, 1940.

Pharmaceutical preparation, Bottled. Sharp & Dohme, Incorporated. 386,084; Mar. 25; Serial No. 437,421; published Jan. 7, 1941.

Photographic developer solution. E. R. Adler. 386,044; Mar. 25; Serial No. 436,953; published Dec. 24, 1940.

Pipe and drain cleaning compound. Huntington Laboratories, Inc. 386,032; Mar. 25; Serial No. 436,803; published Dec. 31, 1940.

Pituitary preparation for use in obstetrical and surgical cases. William R. Warner & Co. 386,147; Mar. 25; Serial No. 437,927; published Dec. 31, 1940.

Plaster paste, Herbal. W. G. Compere. 385,936; Mar. 25; Serial No. 428,747; published Dec. 24, 1940.

Poison. Midway Chemical Co. 386,133; Mar. 25; Serial No. 437,830; published Dec. 31, 1940.

Powder, Dusting. Artra Cosmetics, Inc. 386,157; Mar. 25; Serial No. 438,032; published Dec. 31, 1940.

Preparation for alleviating headaches and neuralgia. Smith Brothers Drug Company. 386,031; Mar. 25; Serial No. 436,779; published Dec. 24, 1940.

Preparation for the promotion of the growth of human hair. R. B. Fallenberg. 386,165; Mar. 25; Serial No. 438,201; published Jan. 7, 1941.

Preparation for the treatment of coccidiosis, roup, cholera, etc. H. T. Mahoney. 386,018; Mar. 25; Serial No. 436,131; published Dec. 17, 1940.

Preparation for the treatment of concretions. M. P. Enders. 386,111; Mar. 25; Serial No. 437,618; published Jan. 7, 1941.

Preparation for the treatment of simple coughs and colds. W. J. Wardall. 386,076; Mar. 25; Serial No. 437,357; published Dec. 31, 1940.

Preparation used to relieve pains of muscles, artery ruptures, etc. J. Toth. 386,033; Mar. 25; Serial No. 436,825; published Dec. 24, 1940.

Preparations indicated in and for the treatment of headaches, neuralgias, coughs, etc. Ocn Medicine Company. 385,972; Mar. 25; Serial No. 436,577; published Dec. 17, 1940.

Preparations used for the treatment of arthritis, rheumatism, joint diseases, etc. Whittaker Laboratories, Inc. 385,965; Mar. 25; Serial No. 433,692; published Dec. 24, 1940.

Products for treating gastro-intestinal disturbances. W. B. Nisbet. 386,172; Mar. 25; Serial No. 438,401; published Jan. 14, 1941.

Radiator flush. General Tire & Rubber Company. 385,911; Mar. 25; Serial No. 400,341; published Jan. 7, 1941.

Rubber softener with asphaltic base. C. P. Hall Company. 386,055; Mar. 25; Serial No. 437,089; published Dec. 24, 1940.

Salve. V. Tornabene. 385,921; Mar. 25; Serial No. 422,386; published Feb. 13, 1940.

Salve, Skin. J. De Barros. 386,178; Mar. 25.

Serum. Reichel Laboratories. 386,006; Mar. 25; Serial No. 435,691; published Jan. 7, 1941.

Shampoo, almond lotion, cocoanut oil shampoo, etc. Pacific Distributors, Inc. 386,001; Mar. 25; Serial No. 435,312; published Dec. 24, 1940.

Shampoo, scalp and hair lotion, foot cream, and a compound to relieve discomforts sustained from burns, etc. Trelak Co. 385,995; Mar. 25; Serial No. 435,151; published Dec. 17, 1940.

Skin lotion. Charles of the Ritz, Inc. 386,102; Mar. 25; Serial No. 437,552; published Dec. 31, 1940.

Soldering flux. Industrial Chemical Products Co. 386,168; Mar. 25; Serial No. 438,338; published Jan. 7, 1941.

Solvents, Organic. Firm "Ormig" Organisationsmittel G. m. b. H. 385,923; Mar. 25; Serial No. 424,886; published Dec. 17, 1940.

Starches, Modified. Clinton Company. 386,154; Mar. 25; Serial No. 437,994; published Jan. 14, 1941.

Tea adapted to sooth the nerves and produce relaxation, Combination herb. L. L. Crossley. 386,119; Mar. 25; Serial No. 437,715; published Jan. 14, 1941.

Toilet and medicinal preparation. Ultra Refined Crude Products Company. 141,704; renewed Apr. 26, 1941.

Tonics. J. C. Butts. 385,946; Mar. 25; Serial No. 431,343; published Oct. 15, 1940.

Tonics, Hair. Mdme. O. Smith. 386,054; Mar. 25; Serial No. 437,077; published Dec. 24, 1940.

Vanity cases. Lentheric, Incorporated. 386,000; Mar. 25; Serial No. 435,300; published Dec. 24, 1940.

Vehicle useful as a solvent or flavoring agent for medicinal preparations, Neutral. Mutual Pharmacal Company Inc. 385,942; Mar. 25; Serial No. 430,693; published Jan. 14, 1941.

Vitamin B complex preparation. Bishop Laboratories, Inc. 386,049; Mar. 25; Serial No. 437,024; published Dec. 24, 1940.

Vitamin preparation for use as a dietary supplement in feeding dogs, Conditioning. William Cooper & Nephews, Incorporated. 385,996; Mar. 25; Serial No. 435,197; published Dec. 31, 1940.

Wheat germ oil. Vio Bin Corporation. 385,912; Mar. 25; Serial No. 405,947; published Sept. 17, 1940.

CLASS 7

Rope, Plain-laid three or four strand. Columbian Rope Company. 142,475; renewed May 17, 1941.

CLASS 8

Carson Pirie Scott & Company, Chicago, Ill. Cigarette boxes and ash trays. 386,085; Mar. 25; Serial No. 437,436; published Jan. 14, 1941.

Lighter, cigarette dispenser, and container, Combination cigarette. Masterbilt Products Corporation. 385,977; Mar. 25; Serial No. 436,675; published Jan. 14, 1941.

CLASS 10

Plant food. Le R. Kling. 385,943; Mar. 25; Serial No. 430,962; published June 25, 1940.

CLASS 11

Carbon paper. Queen Ribbon & Carbon Co. 386,016; Mar. 25; Serial No. 436,064; published Jan. 7, 1941.

Carbon paper. American Ribbon and Carbon Co. 386,060; Mar. 25; Serial No. 437,114; published Jan. 7, 1941.

Carbon paper and inked ribbons. F. H. Mahler. 386,120; Mar. 25; Serial No. 437,727; published Jan. 14, 1941.

Typewriter ribbons and carbon paper. Queen Ribbon & Carbon Co. 386,035; Mar. 25; Serial No. 436,857; published Jan. 7, 1941.

CLASS 13

Caster wheels for furniture caster structures. Faultless Caster Corporation. 386,026; Mar. 25; Serial No. 436,259; published Jan. 14, 1941.

CLASS 14

Castings and forgings of standard and special shapes, Steel. Hadfields Limited. 139,544; renewed Feb. 8, 1941.

CLASS 16

Castor oil and modified dehydrated castor oil for use in paints, varnishes, etc., Dehydrated. Baker Castor Oil Company. 385,959; Mar. 25; Serial No. 432,751; published Jan. 14, 1941.

Paint, bonding coat paints, etc., Liquid asphalt asbestos fibre roof. G. G. Walters. 386,042; Mar. 25; Serial No. 436,913; published Jan. 14, 1941.

Paint, Waterproofing and cement. General Waterproofing Company. 386,038; Mar. 25; Serial No. 436,888; published Jan. 14, 1941.

Polish for furniture, automobiles, floors, etc. Gem Hammock & Fly Net Company. 138,245; renewed Dec. 21, 1940.

CLASS 17

Cigars. Arango Y Arango. 386,094; Mar. 25; Serial No. 437,493; published Jan. 14, 1941.

Cigars. Arango & Arango. 386,095–6; Mar. 25; Serial Nos. 437,495–6; published Jan. 14, 1941.

CLASS 19

Boats and boat sails, Sail. Lightning Class Association. 386,007; Mar. 25; Serial No. 435,700; published Jan. 14, 1941.

Seats, Two-passenger motorcycle. Harley-Davidson Motor Company. 386,124; Mar. 25; Serial No. 437,768; published Jan. 14, 1941.

CLASSES 21–24–44

Electrical apparatus. P. A. Geier Company. 141,556; renewed Apr. 26, 1941.

CLASS 21

Electrical apparatus and supplies. Ohio Brass Company. 386,053; Mar. 25; Serial No. 437,071; published Jan. 14, 1941.

Electrical discharge apparatus. W. N. Matthews Corporation. 386,064; Mar. 25; Serial No. 437,139; published Jan. 14, 1941.

Lamps, Electric. Carson Pirie Scott & Company. 386,140; Mar. 25; Serial No. 437,804; published Jan. 14, 1941.

Lamps, Electric. Thos. J. Corcoran Lamp Company. 140,099; renewed Mar. 8, 1941.

Motors, Electric. F. A. Smith Manufacturing Co. 386,155; Mar. 25; Serial No. 438,023; published Jan. 14, 1941.

Resistance wires and ribbons. Electrical Alloy Company. 144,564; renewed July 12, 1941.

Telephone and telegraph apparatus, high frequency generating, electric motors, etc. C. Lorenz, A. G. 386,174; Mar. 25.

Terminal and switch box. Eastman Kodak Company. 385,931; Mar. 25; Serial No. 427,012; published Nov. 19, 1940.

Vent cups for storage batteries. Atlas Supply Company. 386,160; Mar. 25; Serial No. 438,107; published Jan. 14, 1941

CLASS 22

Balls, Tennis. Pennsylvania Rubber Company. 386,127; Mar. 25; Serial No. 437,782; published Jan. 14, 1941.

Game. M. E. Hixson. 385,953–4; Mar. 25; Serial Nos. 432,443–4; published Jan. 14, 1941.

Lures, Artificial. J. H. Hayes. 385,958; Mar. 25; Serial No. 432,688; published Jan. 14, 1941.

CLASS 23

Cutlery and table flat-ware. Cattaraugus Cutlery Company. 139,469; renewed Feb. 8, 1941.

Hoists, Automobile. Globe Hoist Company. 385,917; Mar. 25; Serial No. 413,851; published Jan. 14, 1941.

Joints, Heat treated universal. Curtis Universal Joint Co. 385,944; Mar. 25; Serial No. 431,153; published June 18, 1940.

Knives and bayonets, Pocket. Remington Arms Company, Inc. 142,106–7; renewed May 3, 1941.

Knives, Pocket. Remington Arms Company, Inc. 143,436–7; renewed May 31, 1941.

Machines for making molds for foundling. Beardsley & Piper Company. 385,951; Mar. 25; Serial No. 432,116; published Jan. 14, 1941.

Merchandise vending machine. J. P. Seeburg Corporation. 386,075; Mar. 25; Serial No. 437,354; published Jan. 14, 1941.

Oil distributors. E. D. Etnyre, & Co. 385,947; Mar. 25; Serial No. 431,550; published Jan. 14, 1941.

Razor blades. O. E. Kraus. 386,189; Mar. 25.

Razors and razor blades. Conrad Razor Blade Co., Inc. 385,955–6; Mar. 25; Serial Nos. 432,461–2; published Jan. 14, 1941.

Tractors. Isaacson Iron Works. 386,056; Mar. 25; Serial No. 437,091; published Jan. 14, 1941.

Tractors and motor-drawn and motor-driven tilling implements and parts thereof. S. L. Allen & Co. 141,830; renewed May 3, 1941.

Windmills. Stover Manufacturing & Engine Co. 385,920; Mar. 25; Serial No. 418,655; published June 20, 1939.

CLASS 26

Lenses, Ophthalmic. Bausch & Lomb Optical Company. 142,448; renewed May 17, 1941.

CLASS 31

Filter, Adapter-type faucet. Filter-Kleen Mfg. Co. Inc. 386,162; Mar. 25; Serial No. 438,124; published Jan. 14, 1941.

Refrigerators. Schaefer, Inc. 386,169; Mar. 25; Serial No. 438,356; published Jan. 14, 1941.

CLASS 32

Mattresses and box springs. Fort Pitt Bedding Company. 386,170–1; Mar. 25; Serial Nos. 438,388–9; published Jan. 14, 1941.

Mattresses, box springs, and upholstered furniture. Mallon Mattress Corporation. 386,164; Mar. 25; Serial No. 438,142; published Jan. 14, 1941.

CLASS 33

Bottles. Owens-Illinois Glass Company. 385,988; Mar. 25; Serial No. 434,841; published Jan. 14, 1941.

CLASS 34

Heating coils. N. A. Vierk. 386,117; Mar. 25; Serial No. 437,670; published Jan. 14, 1941.

Locomotive boiler washing, stemming temperature refilling and conditioning units. F. W. Miller Heating Co. 386,182; Mar. 25.

CLASS 35

Hose covers. United States Rubber Company. 386,144–5; Mar. 25; Serial Nos. 437,923–4; published Jan. 14, 1941.

Tire tube repair kits, brake lining sets, piston ring sets, etc. Marshall-Wells Company. 386,011; Mar. 25; Serial No. 435,800; published Jan. 14, 1941.

Tires. Goodyear Tire & Rubber Company. 386,080; Mar. 25; Serial No. 437,409; published Jan. 14, 1941.

Tires. Pennsylvania Rubber Company. 386,099; Mar. 25; Serial No. 437,527; published Jan. 14, 1941.

Tires. Pennsylvania Rubber Company. 386,121; Mar. 25; Serial No. 437,739; published Jan. 14, 1941.

Tires, Pneumatic. General Tire & Rubber Company. 386,176; Mar. 25.

CLASS 36

Phonograph needles. Permo Products Corporation. 385,930; Mar. 25; Serial No. 426,707; published Jan. 14, 1941.

Phonograph, records and transcriptions of musical and dramatic performances. Jack L. Schnetzler. 385,989; Mar. 25; Serial No. 434,884; published Jan. 14, 1941.

CLASS 37

Index devices. Bates Manufacturing Company. 386,078; Mar. 25; Serial No. 437,400; published Jan. 14, 1941.

Paper and ledger paper, Bond. Fox River Paper Corporation. 386,191; Mar. 25.

Tissue, Toilet. Kroger Grocery & Baking Company. 385,918; Mar. 25; Serial No. 417,464; published June 4, 1940.

Vellum with leather finish in colors, Brilliant white. Lee Paper Company. 386,004; Mar. 25; Serial No. 435,551; published Nov. 5, 1940.

CLASS 39

Apparel, Wearing. Frank & Seder of Pittsburgh, Inc. 386,014; Mar. 25; Serial No. 435,937; published Jan. 14, 1941.

Apparel comprising slips, chemises, dance sets, nightgowns, etc., Ladies'. David Korn & Co. Inc. 386,192; Mar. 25.

Aprons. Rand Rubber Company. 385,978; Mar. 25; Serial No. 436,678; published Jan. 7, 1941.

Clothing. Finsterwald Clothing Company. 385,973; Mar. 25; Serial No. 436,566; published Jan. 14, 1941.

Clothing. M. C. Schrank Company. 386,143; Mar. 25; Serial No. 437,917; published Jan. 14, 1941.

Clothing, Work. Washington Manufacturing Company. 386,190; Mar. 25.

Coats and suits. S. C. Klein Company. 386,097; Mar. 25; Serial No. 437,515; published Jan. 7, 1941.

Coats and suits, Ladies'. S. C. Klein Company. 386,195; Mar. 25.

Coats, Jackets, etc. Finsterwald Clothing Company. 385,985; Mar. 25; Serial No. 434,537; published Jan. 14, 1941.

Coats, raincoats, overcoats, etc. Manshrooke Rainwear Co. 385,926; Mar. 25; Serial No. 425,521; published Dec. 31, 1940.

Coats, suits, etc. Julius Nelson Corp. 386,041; Mar. 25; Serial No. 436,902; published Dec. 31, 1940.

Coats, suits, capes, jackets, and suit ensembles, Ladies' and misses'. Ken Coats, Inc. 386,205; Mar. 25.

Coats, suits, dresses, etc. Lido Sportswear, Inc. 385,987; Mar. 25; Serial No. 434,798; published Dec. 31, 1940.

Coats, suits, jackets, etc. Flerman-Kolmer Co. 386,061; Mar. 25; Serial No. 437,128; published Jan. 7, 1941.

Coats, suits, jackets, etc. Flerman-Kolmer Co. 386,151; Mar. 25; Serial No. 437,941; published Jan. 14, 1941.

Coats, vests, and trousers. Rose Brothers. 386,083; Mar. 25; Serial No. 437,418; published Jan. 7, 1941.

Collars. Hornreich Bros. 386,039; Mar. 25; Serial No. 436,893; published Dec. 31, 1940.

Cuffs, Knitted. Dumont Knitting Mills, Inc. 386,200; Mar. 25.

Dresses. Harry H. Greenberg, Inc. 386,027; Mar. 25; Serial No. 436,262; published Jan. 14, 1941.

Dresses. J. C. Penney Company. 386,179; Mar. 25.

Dresses, Rainbow Children Dress Co. 386,025; Mar. 25; Serial No. 436,226; published Dec. 31, 1940.

Dresses and coats. Saks & Company. 386,180; Mar. 25.

Dresses and dress ensembles. Packard Dresses Inc. 386,002; Mar. 25; Serial No. 435,372; published Dec. 31, 1940.

Dresses, blouses, skirts, playsuits, etc., Women's and misses'. M. Hellman. 386,204; Mar. 25.

Dresses, play suits, and bathing suits. S. Augstein & Co. 386,045; Mar. 25; Serial No. 436,954; published Dec. 24, 1940.

Frocks. Baby's boudoir. 385,940; Mar. 25; Serial No. 430,381; published Dec. 24, 1940.

Furnishings, undergarments, and clothing. Franklin Simon Co. Inc. 386,181; Mar. 25.

Garments—namely, snow suits, Over. Tidy Products Corporation. 386,184–5; Mar. 25.

Gloves. Louis Meyers & Son, Inc. 386,152; Mar. 25; Serial No. 437,953; published Jan. 14, 1941.

Gloves. J. Sobel. 385,966; Mar. 25; Serial No. 433,802; published Jan. 14, 1941.

Hairnets. D. Flegenheimer. 386,046; Mar. 25; Serial No. 436,965; published Jan. 14, 1941.

Hats. Byer-Rolnick Company. 386,072; Mar. 25; Serial No. 437,266; published Jan. 14, 1941.

Hats. Hat Corporation of America. 386,063; Mar. 25; Serial No. 437,134; published Jan. 14, 1941.

Hats. John B. Stetson Company. 386,159; Mar. 25; Serial No. 438,097; published Jan. 14, 1941.

Hats, gloves, hosiery, etc. Revlon Products Corporation. 386,057–9; Mar. 25; Serial Nos. 437,106–8; published Jan. 14, 1941.

Hosiery. A. M. Aschner. 385,948; Mar. 25; Serial No. 431,754; published Jan. 7, 1941.

Hosiery. Bear Brand Hosiery Co. 386,130; Mar. 25; Serial No. 437,803; published Jan. 7, 1941.

Hosiery. Berkshire Knitting Mills. 386,183; Mar. 25.

Hosiery. Fontenelle Mills, Inc. 385,925; Mar. 25; Serial No. 425,306; published Mar. 5, 1940.

Hosiery. Kaumagraph Company. 386,028; Mar. 25; Serial No. 436,271; published Jan. 14, 1941.

Hosiery. Norbud Hosiery Shops, Inc. 386,019; Mar. 25; Serial No. 436,137; published Dec. 24, 1940.

Hosiery. Robet Hosiery Co. 386,073; Mar. 25; Serial No. 437,287; published Jan. 14, 1941.

Hosiery. F. K. Wilkins. 385,997; Mar. 25; Serial No. 435,230; published Dec. 24, 1940.

Hosiery, Women's and children's. Phoenix Hosiery Company. 386,009; Mar. 25; Serial No. 435,730; published Dec. 24, 1940.

Housecoats, negligees, and pajamas, Misses'. Perfect Negligee Co. 386,190; Mar. 25.

Jackets. Borman Sportswear, Inc. 386,051; Mar. 25; Serial No. 437,055; published Jan. 7, 1941.

Neckties. Franc, Strohmenger & Cowan, Inc. 386,136; Mar. 25; Serial No. 437,861; published Jan. 14, 1941.

Neckties. S. Silverman. 386,030; Mar. 25; Serial No. 436,527; published Dec. 31, 1940.

Nightgowns, sleeping-garments, and pajamas. August Knitting Corporation. 143,543; renewed June 7, 1941.

Overalls, jumpers, pants, etc. M. Hoffman & Co. 386,177; Mar. 25.

Overcoats, hats, sweaters, etc. L. Bamberger & Co. 386,090; Mar. 25; Serial No. 437,462; published Jan. 14, 1941.

Pajamas. Mitchell Brothers Inc. 386,137; Mar. 25; Serial No. 437,875; published Jan. 14, 1941.

Shirts. Bartlay, Ltd. 386,048; Mar. 25; Serial No. 436,990; published Dec. 31, 1940.

Shirts. C. F. Hathaway Co. 385,937; Mar. 25; Serial No. 429,569; published Jan. 7, 1941.

Shirts. Oneita Knitting Mills. 386,050; Mar. 25; Serial No. 437,044; published Dec. 31, 1940.

Shirts and pants. Oshkosh B'Gosh, Inc. 386,065; Mar. 25; Serial No. 437,143; published Jan. 14, 1941.

Shirts, blouses, and pajamas. Louis Karpf & Co. Inc. 386,115; Mar. 25; Serial No. 437,657; published Jan. 7, 1941.

Shirts, negligee shirts, slacks, etc. William Atkin Company. 385,933; Mar. 25; Serial No. 427,570; published Dec. 31, 1940.

Shirts, pajamas, and nightshirts. H. Kaplan. 386,034; Mar. 25; Serial No. 436,850; published Dec. 31, 1940.

Shoes. Chicago Mail Order Company. 386,037; Mar. 25; Serial No. 436,880; published Jan. 14, 1941.

Shoes. J. C. Penny Company. 386,141; Mar. 25; Serial No. 437,907; published Jan. 14, 1941.

Shoes. Wiley-Bickford-Sweet Corporation. 385,924; Mar. 25; Serial No. 425,127; published Jan. 14, 1941.

Shoes and slippers. H. O. Rondeau Shoe Company. 386,134; Mar. 25; Serial No. 437,835; published Jan. 14, 1941.

Skirts. La Reine Sportswear, Inc. 385,964; Mar. 25; Serial No. 433,573; published Jan. 7, 1941.

Skirts. D. F. Livermore. 386,089; Mar. 25; Serial No. 437,447; published Jan. 14, 1941.

Skirts, drawers, and union suits. P. H. Hanes Knitting Company. 386,008; Mar. 25; Serial No. 435,717; published Dec. 24, 1940.

Slips. S. Landau. 386,040; Mar. 25; Serial No. 436,895; published Dec. 24, 1940.

Slips. Patricia Petticoat Co. 386,153; Mar. 25; Serial No. 437,984; published Jan. 14, 1941.

Slips and camisoles. Miss Susan, Inc. 386,067; Mar. 25; Serial No. 437,160; published Jan. 7, 1941.

Socks, stockings, and underclothing, Knitted. Allen Solly & Company. 385,928; Mar. 25; Serial No. 425,876; published Dec. 24, 1940.

Suits and coats. Frank Lane, Inc. 386,071; Mar. 25; Serial No. 437,205; published Jan. 14, 1941.

Suits, overcoats, and top coats, Men's and boys'. I. Grossman. 386,194; Mar. 25.

Sweaters and sweater coats, Knitted. Bamberger-Reinthal Company. 385,913; Mar. 25; Serial No. 408,448; published Sept. 6, 1938.

Sweaters, sweater ensembles. Beldoch-Popper Inc. 385,999; Mar. 25; Serial No. 435,276; published Dec. 31, 1940.

Topcoats and overcoats. Alfred Decker & Cohn, Inc. 386,021; Mar. 25; Serial No. 436,166; published Jan. 7, 1941.

Topcoats, overcoats, and suits. H. Welsberg's Sons, Inc. 386,108; Mar. 25; Serial No. 437,587; published Jan. 7, 1941.

Underwear, Men's and boys'. Cooper's, Incorporated. 386,201; Mar. 25.

CLASS 40

Combs, Rubber. S. & G. Rubber Company. 385,969–70; Mar. 25; Serial Nos. 434,291–2; published Jan. 14, 1941.

CLASS 42

Fabrics. Cohn-Hall-Marx Co. 385,932; Mar. 25; Serial No. 427,530; published Jan. 14, 1941.

Piece goods. Hattie Carnegie Inc. 386,114; Mar. 25; Serial No. 437,644; published Jan. 14, 1941.

Piece goods. Joseph Michalover, Inc. 386,132; Mar. 25; Serial No. 437,829; published Jan. 14, 1941.

Piece goods. Raich & Michel. 386,139; Mar. 25; Serial No. 437,879; published Jan. 14, 1941.

Piece goods, Cotton. Pepperell Manufacturing Company. 141,399; renewed Apr. 12, 1941.

Rayon and acetate cloth in the piece. Charmette Fabrics Co. Inc. 386,150; Mar. 25; Serial No. 437,938; published Jan. 14, 1941.

Sheets and sheetings. Springs Cotton Mills. 386,118; Mar. 25; Serial No. 437,702; published Jan. 14, 1941.

CLASS 44

Dentures, partial dentures, and a resin compound for manufacturing dentures. C. E. D'Essen. 385,980; Mar. 25; Serial No. 436,758; published Jan. 14, 1941.

Intravenous administration sets, blood transfusion sets, dispensers for solutions, etc. Hospital Liquids, Inc. 386,125; Mar. 25; Serial No. 437,769; published Jan. 14, 1941.

CLASS 46

Bacon. Hygrade Food Products Corporation. 386,202; Mar. 25.

Candy. Busath's Candy Shop, Inc. 136,765; renewed Nov. 9, 1940.

Canned dog food. G. Cuccia & Sons. 386,123; Mar. 25; Serial No. 437,760; published Jan. 14, 1941.

Canned fish. California Marine Curing and Packing Corp. 386,122; Mar. 25; Serial No. 437,757; published Jan. 14, 1941.

Canned fruits and vegetables, and canned vegetable juices. Michigan Fruit Canners, Inc. 385,986; Mar. 25; Serial No. 434,755; published Jan. 14, 1941.

Canned fruits and canned vegetables. Richmond-Chase Company. 140,197; renewed Mar. 8, 1941.

Canned green beans, tomatoes, corn, etc. Shield Foods, Inc. 385,916; Mar. 25; Serial No. 412,202; published Jan. 14, 1941.

Canned tomatoes. Father & Son Wholesale Grocery Co. 385,962–3; Mar. 25; Serial Nos. 433,388–9; published Jan. 14, 1941.

Carrots, Raw. Charles Taxin Co. 386,173; Mar. 25; Serial No. 428,371; published Apr. 23, 1940.

Chicken broth cubes. E. Friesel. 385,935; Mar. 25; Serial No. 427,839; published Jan. 14, 1941.

Chocolate. N. V. Stoom Chocolade- & Cacaofabriek "Kwatta." 145,467; renewed Aug. 2, 1941.

Corn flakes. Quaker Oats Company. 142,321; renewed May 10, 1941.

Cucumber pickles, Bottled. J. A. Wood. 386,197–8; Mar. 25.

Flour, Wheat. Lawrenceburg Roller Mills Co. 385,968; Mar. 25; Serial No. 434,180; published Jan. 14, 1941.

Food, Dog. Great Atlantic & Pacific Tea Company. 386,077; Mar. 25; Serial No. 437,362; published Jan. 14, 1941.

Food for dogs, cats, etc. L. W. Wonn. 386,128–9; Mar. 25; Serial Nos. 437,793–4; published Jan. 14, 1941.

Foods. Red Wing Company. 140,017; renewed Mar. 1, 1941.

Fruits, Fresh. Holmes Brothers. 386,023; Mar. 25; Serial No. 436,216; published Jan. 14, 1941.

Honey. L. M. White. 386,186; Mar. 25.

Ice-cream. H. P. Hood & Sons, Inc. 144,230; renewed June 28, 1941.

Ice cream and other frozen confections. Borden Company. 385,998; Mar. 25; Serial No. 435,236; published Jan. 14, 1941.

Olive-oil. P. Monteverde & Co. 140,496; renewed Mar. 15, 1941.

Pears. Holmes Bros. Bear Creek Orchards. 386,193; Mar. 25.

Soybean meal. Funk Bros. Seed Co. 386,203; Mar. 25.

Tea, coffee, food flavoring extracts, etc. Kelly, Douglas & Co. 385,981; Mar. 25; Serial No. 436,771; published Jan. 14, 1941.

Vegetables, cocoanut, rice, etc., Dried. Safeway Stores, Inc. 385,919; Mar. 25; Serial No. 418,063; published Jan. 7, 1941.

Vinegar. House of Herbs, Inc. 386,087; Mar. 25; Serial No. 437,443; published Jan. 14, 1941.

CLASS 48

Beer and ale. Cumberland Brewing Company. 386,005; Mar. 25; Serial No. 435,610; published Jan. 14, 1941.
Beer, ale, porter, etc. Barbey's Inc. 386,148; Mar. 25; Serial No. 437,932; published Jan. 14, 1941.
Hop concentrate. Bing Brothers, Inc. 386,036; Mar. 25; Serial No. 436,876; published Jan. 14, 1941.

CLASS 49

Brandies, cognac, anise, etc. Sanchez Romate Hermanos, S. A. 386,010; Mar. 25; Serial No. 435,743; published Jan. 14, 1941.
Brandy. Italian Vineyard Company. 386,126; Mar. 25; Serial No. 437,773; published Jan. 14, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Kelley, Raymond E., Snyder, N. Y. Portable apparatus for supplying heavy mastics to mastic applying guns. Re. 21,755; Mar. 25.

LIST OF DESIGN PATENTEES

Alemany, Bernardo, New York, N. Y. Mute for stringed musical instruments or the like. 126,040; Mar. 25.
Alsfelder, Perry F., assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Cabinet. 126,065; Mar. 25.
American Fabrics Company, The. (See Flatz, E., and Senn, assignors.)
American Supercraft Corporation. (See Schoenbrod, Robert D., assignor.)
Amity Leather Products Co. (See Wege, John P., assignor.)
Anemostat Corporation of America. (See Kurth, Franz J., assignor.)
Baker, Marlin S. (See Hoople, W., Baker, and Tefft.)
Bauernfeind, Albert, New York, N. Y. Ring. 126,085; Mar. 25.
Bayan, Lawrence M., Cranston, R. I., assignor to Louis Stern Company. Watch bracelet. 126,086; Mar. 25.
Berin, Augusta, New York, N. Y. Dress. 126,152; Mar. 25.
Birrell, Don A., Salt Lake City, Utah. Razor. 126,066; Mar. 25.
Bisby, Harold B. (See Nichols, J. W., and Bisby.)
Boushey, Homer A., Jr., Belleville, Ill. Airplane. 126,067; Mar. 25.
Braun, Jerome. (See Corwin, S., and Braun.)
Breer, Edna, New York, N. Y. Redingote. 126,103; Mar. 25.
Brunhoff Manufacturing Company, The. (See Alsfelder, Perry F., assignor.)
Brunswick Balke Collender Company, The. (See Welcker, Carl H., assignor.)
Burns, Frederick M., New York, N. Y. Dress. 126,163; Mar. 25.
Capehart, Homer E. (See Collison, Edward E., assignor.)
Cashin, Bonnie, New York, N. Y. Suit. 126,104; Mar. 25.
Cashin, Bonnie, New York, N. Y. Coat. 126,105; Mar. 25.
Cashin, Bonnie, New York, N. Y. Dress ensemble. 126,118; Mar. 25.
Cashin, Bonnie, New York, N. Y. Dress. 126,119; Mar. 25.
Cashin, Bonnie, New York, N. Y. Dress. 126,120; Mar. 25.
Cashin, Bonnie, New York, N. Y. Dress ensemble. 126,121; Mar. 25.
Cashin, Bonnie, New York, N. Y. Dress. 126,139; Mar. 25.
Cashin, Bonnie, New York, N. Y. Dress. 126,164; Mar. 25.
Cashin, Bonnie, New York, N. Y. Dress ensemble. 126,165; Mar. 25.
Chilo, Paul, Chicago, Ill. Combined lamp bulb socket and support therefor. 126,122; Mar. 25.
Clemens, John A., Providence, R. I., assignor to Davol Rubber Company. Display box or similar article. 126,123; Mar. 25.
Clemens, John A., Providence, R. I., assignor to Davol Rubber Company. Combined shipping and display box. 126,124; Mar. 25.
Clouse, Earl L., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Combined cabinet and gun display. 126,088; Mar. 25.
Cohen, George W., New York, N. Y. Dress ensemble. 126,153; Mar. 25.
Cole of California, Inc. (See Fellegi, Margit, assignor.)
Collison, Edward E., Indianapolis, assignor to H. E. Capehart, Washington, Ind. Cabinet for phonograph remote control unit. 126,087; Mar. 25.
Corwin, Sydney, and J. Braun, New York, N. Y. Holder for perfume bottles or the like. 126,068; Mar. 25.
Cosby, Eric L. H., London, England. Toilet brush. 126,041; Mar. 25.
Cullen, Harry E. (See Rolstad, M., and Cullen.)
Cutler, Elizabeth, New York, N. Y. Dress. 126,154; Mar. 25.
Cutler, Elizabeth, New York, N. Y. Dress ensemble. 126,155; Mar. 25.
Cutler, Elizabeth, New York, N. Y. Dress ensemble. 126,166; Mar. 25.
Davidson, Louise, assignor to Tabby, Ltd., New York, N. Y. Jewelry finding for clips or other similar articles of jewelry. 126,069; Mar. 25.
Davis, Philip A., New York, N. Y. Display figure or similar article. 126,089; Mar. 25.
Davol Rubber Company. (See Clemens, John A., assignor.)
Devitz, William, New York, N. Y. Coat. 126,106; Mar. 25.
Ducket, Abraham, New York, N. Y. Coat. 126,107; Mar. 25.
Dunlop Tire and Rubber Corporation. (See Hardeman, William E., assignor.)
Eickemeyer, Louis, Union, N. J., assignor to Joseph Gottlieb, Jersey City, N. J. Electric clock. 126,042; Mar. 25.
Electric Service Supplies Company. (See Hallman, Eric B., assignor.)
Elmo, Sadie, New York, N. Y. Dress. 126,108; Mar. 25.
Engel, Alice, New York, N. Y. Dress. 126,109; Mar. 25.
Esterbrook Steel Pen Manufacturing Co., The. (See Hoople, W., Baker, and Tefft, assignors.)
Evans, Addison W., assignor to The Torrington Manufacturing Co., Torrington, Conn. Centrifugal blower wheel. 216,043; Mar. 25.
Faden, Sylvia, New York, N. Y. Dress ensemble. 126,156; Mar. 25.
Faden, Sylvia, New York, N. Y. Dress. 126,157; Mar. 25.
Faden, Sylvia, New York, N. Y. Dress. 126,167; Mar. 25.
Fellegi, Margit, assignor to Cole of California, Inc., Los Angeles, Calif. Swimming suit. 126,090; Mar. 25.
Flatz, Emil, and J. Senn, St. Gall, Switzerland, assignors to The American Fabrics Company, Bridgeport, Conn. Lace. 126,044; Mar. 25.
Flatz, Emil, and J. Senn, St. Gall, Switzerland, assignors to The American Fabrics Company, Bridgeport, Conn. Lace. 126,045; Mar. 25.
Fracchia, Pauline, New York, N. Y. Dress. 126,140; Mar. 25.
Fracchia, Pauline, New York, N. Y. Dress. 126,141; Mar. 25.
Fracchia, Pauline, New York, N. Y. Dress. 126,168; Mar. 25.
Fracchia, Pauline, New York, N. Y. Dress. 126,169; Mar. 25.
Fracchia, Pauline, New York, N. Y. Dress. 126,170; Mar. 25.
Freeman, Edna, New York, N. Y. Dress ensemble. 126,171; Mar. 25.
Freeman, Edna, New York, N. Y. Dress ensemble. 126,172; Mar. 25.
Gaughran, Pauline and N. Levine, New York, N. Y. Hat ornament or similar article. 126,091; Mar. 25.
General Electric Company. (See Petzold, William B., assignor.)
Genghof, Ella E., New York, N. Y. Dress. 126,142; Mar. 25.
Gornstein, Morris J., New York, N. Y. Braid. 126,111; Mar. 25.
Gottlieb, Joseph. (See Eickemeyer, Louis, assignor.)
Gottlieb, Joseph. (See Lipsky, Norman, assignor.)
Granby, Benjamin S., assignor to The Schwarzenbach Huber Co., New York, N. Y. Textile fabric. 126,110; Mar. 25.
Granby, Benjamin S., assignor to The Schwarzenbach Huber Co., New York, N. Y. Textile fabric. 126,112; Mar. 25.
Grand Rapids Store Equipment Company. (See Clouse, Earl L., assignor.)
Greenberg, Fred, New York, N. Y. Dress ensemble. 126,125; Mar. 25.
Greenberg, Fred, New York, N. Y. Dress ensemble. 126,126; Mar. 25.
Greenberg, Fred, New York, N. Y. Dress. 126,127; Mar. 25.

Haggstrom, Arthur C., Rockford, assignor to E. H. Scott, Highland Park, Ill. Loud-speaker console. 126,070; Mar. 25.
Haggstrom, Arthur C., Rockford, assignor to E. H. Scott, Highland Park, Ill. Amplifier console. 126,071; Mar. 25.
Hallbauer, Otto, West Englewood, N. J. Embroidered fabric. 126,143; Mar. 25.
Hallman, Eric B., assignor to Electric Service Supplies Company, Philadelphia, Pa. Vehicle lighting unit. 126,113; Mar. 25.
Hallman, Eric B., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lighting fixture dome. 126,128; Mar. 25.
Hallman, Eric B., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lighting fixture dome. 126,129; Mar. 25.
Hallman, Eric B., assignor to Electric Service Supplies Company, Philadelphia, Pa. Vehicle lighting unit. 126,130; Mar. 25.
Hallman, Eric B., assignor to Electric Service Supplies Company, Philadelphia, Pa. Vehicle lighting unit. 126,131; Mar. 25.
Hardeman, William E., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 126,072; Mar. 25.
Harris, Russell S., Piedmont, Calif. Pipe or similar article. 126,132; Mar. 25.
Heit, Philip, New York, N. Y. Dress ensemble. 126,133; Mar. 25.
Heit, Philip, New York, N. Y. Dress. 126,158; Mar. 25.
Heit, Philip, New York, N. Y. Dress ensemble. 126,173; Mar. 25.
Hewitt, Batson L., Charleston, S. C. Gasoline filling station. 126,073; Mar. 25.
Hoople, Warner, Chicago, Ill., M. S. Baker, and I. D. Tefft, Janesville, Wis., assignors to The Estabrook Steel Pen Manufacturing Co., Camden, N. J. Combination desk unit. 126,092; Mar. 25.
Hudson, H. D., Manufacturing Company. (See Weeks, Horace L., assignor.)
Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Multiple bake pan unit or similar article. 126,046; Mar. 25.
Judell, Julius S., Shorewood, and C. B. Stevens, Fox Point, assignors to Milwaukee Flush Valve Company, Milwaukee, Wis. Escutcheon, or similar article for plumbing fixtures. 126,074; Mar. 25.
Karoff, Robert B., New York, N. Y. Atomizer. 126,075; Mar. 25.
Katz, Louis, New York, N. Y. Dress. 126,144; Mar. 25.
Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)
Katzinger, Edward, Company, The. (See Paysee, Robert B., assignor.)
Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)
Klam, Omar, New York, N. Y. Fur cape. 126,114; Mar. 25.
Kimes, George B., Kansas City, Kans. Barometer. 126,076; Mar. 25.
King, Samuel, Boston, Mass. Dress. 126,174; Mar. 25.
Kirschman, Lewis, Forest Hills, N. Y. Finger ring. 126,077; Mar. 25.
Kurth, Franz J., New York, N. Y., assignor to Anemostat Corporation of America. Air distributor for ventilators. 126,047; Mar. 25.
Lang, William A., Springfield, assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Typewriter brush or the like. 126,048; Mar. 25.
Levine, Nathan. (See Gaughran, P., and Levine.)
Lipsky, Norman, New York, N. Y., assignor to J. Gottlieb, Jersey City, N. J. Electric clock. 126,049; Mar. 25.
Lipsky, Norman, New York, N. Y., assignor to J. Gottlieb, Jersey City, N. J. Electric clock. 126,050; Mar. 25.
Lockwood, Charles N., Chicago, Ill. Heat retaining nursing bottle holder. 126,093; Mar. 25.
Los Angeles Spring Bed Company. (See Moeller, William A., assignor.)
Lytell, Madge E., assignor to Tabby, Ltd., New York, N. Y. Jewelry finding for clips or other similar articles of jewelry. 126,078; Mar. 25.
Marcus, Chapin, assignor to Tabby, Ltd., New York, N. Y. Jewelry finding for clips or other similar articles of jewelry. 126,094; Mar. 25.
Marshall, John S., Ipava, Ill. Illuminated key holder or similar article. 126,095; Mar. 25.
Mautner, Jesse, New York, N. Y. Jewelry box or similar article. 126,096; Mar. 25.
Mautner, Jesse, New York, N. Y. Jewelry box or similar article. 126,097; Mar. 25.
McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Gas outlet box cover. 126,098; Mar. 25.
Milwaukee Flush Valve Company. (See Judell, J. S., and Stevens, assignors.)
Moeller, William A., assignor to Los Angeles Spring Bed Company, Los Angeles, Calif. Hanger link for movable seats. 126,051; Mar. 25.
Montanus, Richard C., assignor to The Springfield Machine Tool Co., Springfield, Ohio. Casing for an internal grinder or similar article. 126,079; Mar. 25.
Naftal, Adrian, New York, N. Y. Dress ensemble. 126,134; Mar. 25.
Neuwirth, Herman, Brooklyn, assignor to Testrite Instrument Company, Inc., New York, N. Y. Barometer tube. 126,080; Mar. 25.
Nichols, John W., Dallas, and H. R. Bisby, Garland, Tex. Combined ash tray and advertising holder. 126,135; Mar. 25.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,175; Mar. 25.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,176; Mar. 25.
Paysee, Robert B., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Knife. 126,081; Mar. 25.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Cosmetician's tray. 126,052; Mar. 25.
Pler, Esther, New York, N. Y. Dress. 126,145; Mar. 25.
Pler, Esther, New York, N. Y. Dress ensemble. 126,177; Mar. 25.
Pneumatic Scale Corporation. (See Rosengren, Herbert, assignor.)
Price, David W., New York, N. Y. Dress. 126,146; Mar. 25.
Price, David W., New York, N. Y. Dress. 126,147; Mar. 25.
Price, David W., New York, N. Y. Dress. 126,159; Mar. 25.
Price, David W., New York, N. Y. Dress. 126,178; Mar. 25.
Pro-phy-lac-tic Brush Company. (See Lang, William A., assignor.)
Randel, Herman, New York, N. Y. Dress. 126,115; Mar. 25.
Rauch, Nathan A., New York, N. Y. Coat. 126,148; Mar. 25.
Rauch, Nathan A., New York, N. Y. Coat. 126,149; Mar. 25.
Rauch, Nathan A., New York, N. Y. Coat. 126,150; Mar. 25.
Reich, Samuel, Chicago, Ill. Dress. 126,136; Mar. 25.
Richards, Julia, Brooklyn, N. Y. Dress ensemble. 126,151; Mar. 25.
Richards, Julia, Brooklyn, N. Y. Dress ensemble. 126,179; Mar. 25.
Riesenberg, Samuel, Winfield, Pa. Dress ensemble. 126,180; Mar. 25.
Robinson, Joseph, New York, N. Y. Electric vaporizer. 126,082; Mar. 25.
Rolstad Manufacturing Company. (See Rolstad, M., and Cullen, assignors.)
Rolstad, Melvin, and H. E. Cullen, assignors to Rolstad Manufacturing Company, Minneapolis, Minn. Lather mixer. 126,099; Mar. 25.
Rosengren, Herbert, Woodcliffe Lake, N. J., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package sealing machine. 126,083; Mar. 25.
Ross, Sidney, New York, N. Y. Textile fabric. 126,053; Mar. 25.
Rutenberg, Morris, New York, N. Y. Dress. 126,160; Mar. 25.
Schoenbrod, Robert D., assignor to American Supercraft Corporation, Chicago, Ill. Ship clock. 126,054; Mar. 25.
Schwartz, Peter S., New York, N. Y. Textile fabric. 126,116; Mar. 25.
Schwarzenbach Huber Co., The. (See Granby, Benjamin S., assignor.)
Scott, E. H. (See Haggstrom, Arthur C., assignor.)
Seator, Robert J., assignor to United States Register Co., Battle Creek, Mich. Furnace damper regulator. 126,055; Mar. 25.
Senn, Josef. (See Flatz, E., and Senn.)
Sheer, Idn, New York, N. Y. Dress ensemble. 126,181; Mar. 25.
Siegenfeld, Herman, Larchmont, N. Y. Dress. 126,161; Mar. 25.
Siegenfeld, Herman, Larchmont, N. Y. Dress. 126,162; Mar. 25.
Slawson, Marion G., Girard, Kans. Railway-highway grade-crossing warning signal. 126,137; Mar. 25.
Sobelman, Morris, St. Louis, Mo. Skirt. 126,100; Mar. 25.
Springfield Machine Tool Co., The. (See Montanus, Richard C., assignor.)
Stern, Louis, Company. (See Bayan, Lawrence M., assignor.)
Stevens, Clifford B. (See Judell, J. S., and Stevens.)
Summers, Leslie T., Dallas, Tex. Merchandise display container. 126,056; Mar. 25.
Tabby, Ltd. (See Davidson, Louise, assignor.)
Tabby, Ltd. (See Lytell, Madge E., assignor.)
Tabby, Ltd. (See Marcus, Chapin, assignor.)
Tefft, Ivan D. (See Hoople, W., Baker, and Tefft.)
Testrite Instrument Company. (See Neuwirth, Herman, assignor.)
Tigerman, Alexander R. (See Tigerman, Milton N. and A. R.)
Tigerman, Milton N. and A. R., Chicago, Ill. Combined bed lamp, clock, and support therefor. 126,138; Mar. 25.
Tillman, Abe, New York, N. Y. Woven textile fabric. 126,057; Mar. 25.

Torrington Manufacturing Co., The. (See Evans, Addison W., assignor.)
United States Register Co. (See Seator, Robert J., assignor.)
Vollmer, Wallace P., Wilton, Conn. Statuette. 126,101; Mar. 25.
Weeks, Horace L., Lowell, Mich., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Sprayer. 126,058; Mar. 25.
Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 126,117; Mar. 25.
Wege, John P., assignor to Amity Leather Products Co., West Bend, Wis. Billfold. 126,102; Mar. 25.
Welcker, Carl H., Toronto, Ontario, Canada, assignor to The Brunswick Balke Collender Company, Chicago, Ill. Bowling alley pin spot. 126,084; Mar. 25.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 126,059; Mar. 25.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 126,060; Mar. 25.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 126,061.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 126,062; Mar. 25.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 126,063; Mar. 25.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 126,064; Mar. 25.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. D. S. Corp. (See Bierbach, Carl F., assignor.)
Acco Products, Inc. (See Zwickel, Elmer L., assignor.)
Adney, Adrian P., assignor to American-Marsh Pumps, Inc., Battle Creek, Mich. Primer for centrifugal pumps. 2,235,973; Mar. 25.
Ahlin, Philip O., Medford, assignor to Trimatik Company, Newton, Mass. Gardening tool. 2,236,305; Mar. 25.
Aktiengesellschaft Brown, Boveri & Cie. (See Faber, Paul, assignor.)
Albers, Gerhard H., assignor to Wincharger Corporation, Sioux City, Iowa. Wind driven impeller. 2,236,494; Mar. 25.
Alexander, John R., Paris, Tex. Bicycle fork. 2,236,127; Mar. 25.
Allardice, Thomas B., Mountain Lakes, N. J. Combined cinder collector and fluid heater. 2,236,358; Mar. 25.
Allard, Arthur R., Drexel Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Apparatus for finishing gear teeth. 2,236,256; Mar. 25.
Allen Robert M. (See Cregor, N. M., Timer, and Allen.)
Aller, Edmund R., Gary, Ind., assignor to General American Transportation Corporation, Chicago, Ill. Inertia-powered air circulator. 2,235,863; Mar. 25.
Allmana Svenska Elektriska Aktiebolaget. (See Rönnberg, Daniel, assignor.)
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbon oils. 2,236,083; Mar. 25.
Aluminum Company of America. (See Freeman, Malcolm H., assignor.)
Ambrose, Henry A. (See Toussaint, N. F., Gaspari, and Ambrose.)
American Agricultural Chemical Company. (See Klosky, Simon, assignor.)
American Cyanamid Co. (See Hechenbleikner, I., and Best, assignors.)
American Cyanamid Company. (See Pineo, Orrin W., assignor.)
American Ecla Corporation. (See Schwartz, Fernand F., assignor.)
American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)
American Electric Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Glass Sterilizer Corporation. (See Johnson, Carl W., assignor.)
American Machine & Foundry Company. (See Smith, Elberon D., assignor.)
American-Marsh Pumps, Inc. (See Adney, Adrian P., assignor.)
American-Marsh Pumps, Inc. (See Smith, Karl D., assignor.)
American Optical Company. (See Snavely, Thomas J., assignor.)
American Pulley Company, The. (See Bowen, R. H., and Williams, assignors.)
American Steel and Wire Company of New Jersey, The. (See Brickman, A. E., and Gleason, assignors.)
Anderson, Earl R., Campbell, Calif. Frozen product and apparatus and producing same. 2,236,050; Mar. 25.
Anderson, Maurice K., Seattle, Wash. Sole conformer for shoes. 2,235,821; Mar. 25.
Anderson, Robert G., Erie, Pa., assignor to General Electric Company. Anchor mechanism. 2,236,281; Mar. 25.
Applitube Company, The. (See Hall, Victor, assignor.)
Armstrong, Asher D., New Richmond, Wis. Automatic humidifier. 2,236,359; Mar. 25.
Aro Equipment Corporation, The. (See Ginter, Charles W., assignor.)
Associated Electric Laboratories, Inc. (See Wood, Fredric E., assignor.)
Associated Spring Corporation, The. (See Becker, Sylvan J., assignor.)
Atchison, Byron L., Abilene, Kans. Scissors. 2,236,418; Mar. 25.
Automatic Devices Corporation. (See Bahr, Gustave F., assignor.)
Automotive Products Company Limited. (See Clench, Edward C. S., assignor.)
Automotive Products Company Limited. (See Gates, Geoffrey R. G., assignor.)
Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Controller. 2,236,282; Mar. 25.
Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Time delay device. 2,236,283; Mar. 25.
Baash-Ross Tool Company. (See Johnson, Glenn D., assignor.)

Backhouse, Headley T., London, England. Sheet feeding machine. 2,236,363; Mar. 25.
Bahr, Gustave F., Fairfield, assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,236,483; Mar. 25.
Bailey Meter Company. (See Luhrs, John F., assignor.)
Baker, Augustus J. (See Fuchs, Julius, assignor.)
Baker, Floyd J., Bethesda, Md., assignor of one-third to G. M. Prevost, Washington, D. C. Dispensing rake. 2,236,129; Mar. 25.
Baker, Olaf D. (See Croninger, A. G., and Baker.)
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web supply mechanism for printing presses. 2,236,163; Mar. 25.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web supply mechanism for printing presses. 2,236,164; Mar. 25.
Barry, Joseph F., Brooklyn, N. Y., and J. J. Harley, Tenafly, and W. S. Hayford, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Concrete compacting tool. 2,236,392; Mar. 25.
Barton, Louis E., Windsor, Conn. Pigment and paint and making same. 2,236,051; Mar. 25.
Bastian-Blessing Co., The. (See Evleth, Earl M., assignor.)
Bates, Alfred O., Cleveland Heights, assignor to A. L. Parker, Cleveland, Ohio. Metal working tool forming attachment for lathes. 2,236,327; Mar. 25.
Baxter Laboratories, Inc. (See Campbell, Argyle, assignor.)
Beam, Vilynn O., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Water level control for boilers. 2,236,360; Mar. 25.
Beane, Walter H., Klamath Falls, Oreg. Log roller. 2,235,913; Mar. 25.
Beck, Alfred C., Red Bank, and H. T. Friis, Rumson, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional antenna. 2,236,393; Mar. 25.
Beck, John W., Madill, Okla. Holder for fishing flies and the like. 2,235,914; Mar. 25.
Becker, Gottfried. (See Daeves, K., and Becker.)
Becker, Sylvan J., Lake Bluff, Ill., assignor to The Associated Spring Corporation, Bristol, Conn. Spring manufacture. 2,236,206; Mar. 25.
Belderman, Edward G., assignor to General Motors Corporation, Detroit, Mich. Welder. 2,235,956; Mar. 25.
Belaieff, James F., C. T. Delaney, and W. L. George, Cricklewood, London, England. Protective arrangement for radiators. 2,236,461; Mar. 25.
Bell & Howell Company. (See Stechbart, Bruno, assignor.)
Bell, John H. (See Chapman, P. W., Bell, and Jouret.)
Bell Telephone Laboratories, Incorporated. (See Barry, J. F., Harley and Hayford assignors.)
Bell Telephone Laboratories, Incorporated. (See Beck, A. C., and Friis, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See King, G. V., McKim, and Myers, assignors.)
Bell Telephone Laboratories, Incorporated. (See King, R. E., and Miller, assignors.)
Bell Telephone Laboratories, Incorporated. (See Marrison, Warren A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Matthews, Edgar M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rea, Wilton T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Shockley, William, assignor.)
Bell Telephone Laboratories, Incorporated. (See Teal, Gordon K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Welch, Paul V., assignor.)
Bendix Aviation Corporation. (See Sekella, Youston, assignor.)
Bendix Aviation Corporation. (See Whitney, K. E., and Chappell, assignors.)
Benning, Henry A., Ogden, Utah. Apparatus for treating sugar juices. 2,236,419; Mar. 25.
Berger, Herbert L., St. Louis, Mo. Corpse preserver. 2,236,052; Mar. 25.
Bergmans, Jan, C. A. Lamberts, and P. M. Van Alphen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Illuminating device. 2,236,420; Mar. 25.

Bergstrom, Carl N., Portland, Oreg. Clutch combination. 2,236,484; Mar. 25.
Berkley Machine Works and Foundry Company, Inc. (See Jones, Samuel G., assignor.)
Berrier, Roscoe, Toledo, Ohio. Weather strip. 2,235,974; Mar. 25.
Besler, William J., Plainfield, N. J., and S. J. Whitlock, Oakland, Calif. Geared two crank locomotive unit. 2,235,957; Mar. 25.
Best, Chris. (See Hechenbleikner, I., and Best.)
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Transmission control. 2,235,975; Mar. 25.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Mechanical connection. 2,235,976; Mar. 25.
Betebenner, Harry E., Boise, Idaho. Locking key for outlet boxes. 2,236,130; Mar. 25.
Biebel, Herman M., assignor to McGraw Electric Company, Elgin, Ill. Timer control means. 2,236,394; Mar. 25.
Biebel, Herman M., assignor to McGraw Electric Company, Elgin, Ill. Timer control. 2,236,395; Mar. 25.
Bierbach, Carl F., assignor to A. D. S. Corp., Newark, N. J. Direction indicating device for motor vehicles. 2,236,490; Mar. 25.
Binkley, Thomas A., Wilson, N. C. Denture brushing device. 2,236,462; Mar. 25.
Birkigt, Marc, Versoix, near Geneva, Switzerland. Percussion fuse. 2,236,495; Mar. 25.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Display rack. 2,235,977; Mar. 25.
Blackley, James L., assignor to The Duplex Printing Press Company, Battle Creek, Mich. Crosshead drive. 2,236,131; Mar. 25.
Bliss, E. W., Company. (See Patrick, L., and Klocke, assignor.)
Boardman, Albert D., Jacksonville, Fla., assignor to Celcure Corporation, New York, N. Y. Impregnating wood. 2,235,822; Mar. 25.
Boccafogli, Giovanni, New York, N. Y. Curler. 2,236,242; Mar. 25.
Bodendieck, Henry W., Taylorville, Ill., assignor to A. B. Chance Co., Centralia, Mo. Fuse cartridge. 2,236,284; Mar. 25.
Boettcher, Gustav A., Jamaica, N. Y. Automatic fabric stitcher. 2,236,421; Mar. 25.
Bohnn, Edward R., Sanborn, Iowa. Fire extinguisher. 2,235,915; Mar. 25.
Boicey, James H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Pressing laminated glass. 2,235,958; Mar. 25.
Bole, George A. (See France, Wesley G., assignor.)
Boley, Orick B., Beaumont, Tex. Cylinder pressure indicating means. 2,236,422; Mar. 25.
Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car. 2,236,361; Mar. 25.
Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car. 2,236,362; Mar. 25.
Borchers, Alvin C., Elyria, Ohio, assignor to General Industries Company. Commutator. 2,236,257; Mar. 25.
Borel, Edouard V., Romont, Switzerland, assignor to Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint Gobain, Chauny & Cirey, Paris, France. Device for electrically heating drawing kilns for sheet glass. 2,236,231; Mar. 25.
Bowder, David H., Attleboro, Mass., assignor to Swank, Inc. Clasp. 2,236,207; Mar. 25.
Bowen, Russell H., and W. A. Williams, assignors to The American Pulley Company, Philadelphia, Pa. Pulley. 2,236,027; Mar. 25.
Boyd, William V., Cornwall, Ontario, assignor to Canadian Cottons Limited, Montreal, Quebec, Canada. Warp beaming machine. 2,236,485; Mar. 25.
Boyd, William V., Cornwall, Ontario, assignor to Canadian Cottons Limited, Montreal, Quebec, Canada. Warp beaming machine. 2,236,486; Mar. 25.
Braidwood, Chester A., Perth Amboy, N. J. System of manually operated indicators. 2,236,132; Mar. 25.
Brandt, Francis L., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Skiving machine. 2,235,916; Mar. 25.
Bratring, Kurt, Berlin, Germany, assignor to Neocell Products Corporation. Production of hollow articles. 2,236,306; Mar. 25.
Braucher, Harvey M., Baltimore, Md. Continuous strip coating machine. 2,235,978; Mar. 25.
Brennan, Frederick R., Oswego, and J. R. Jenkins, Portland, Oreg. Umbrella. 2,235,864; Mar. 25.
Brennan, Joseph B., Euclid, Ohio. Electrolytic condenser and making same. 2,235,823; Mar. 25.
Bresecka, Rudolph S., and E. C. Scott, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Exhausting apparatus. 2,236,232; Mar. 25.
Brickman, Alan E., Rostravor Township, Westmoreland County, Pa., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Supporting frame for load transfer devices. 2,236,463; Mar. 25.
Bridges, Arthur. (See Bridges, Sharon D., A., and H. D.)
Bridges, Hayes D. (See Bridges, Sharon D., A., and H. D.)
Bridges, Sharon D., A., and H. D., New York, N. Y. Farming implement. 2,236,328; Mar. 25.
Brierly, Ralph C. (See Gillette, C. S., and Brierly.)
Brown, Albert L., San Francisco, Calif. Surgical and diagnostic instrument. 2,235,979; Mar. 25.
Brown, William J., assignor to Taylor Instrument Companies, Rochester, N. Y. Adjustable flow restrictor. 2,236,084; Mar. 25.
Brown, William J. (See Hubbard, K. H., and Brown.)
Brownell, Earl C. (See Moore, Ray C., assignor.)
Bryan, Walter, and G. R. North, assignors to Simms Motor Units Limited, London, England. Magneto for internal combustion engines. 2,236,396. Mar. 25.
Bryan, William J., Jr., Brackenridge, Pa. Multiple electric arc furnace. 2,236,329; Mar. 25.
Bryant Heater Company, The. (See Beam, Vilynn O., assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Bueltmann, Alfons J., assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype casting box. 2,235,980; Mar. 25.
Buffalo Bolt Company. (See Cary, Sidney P., assignor.)
Burgess, Edward W., assignor to Worden-Allen Company, Milwaukee, Wis. Structural unit. 2,235,865; Mar. 25.
Burns, Bernard L., assignor to Morgan Construction Company, Worcester, Mass. Roll adjusting mechanism. 2,236,464; Mar. 25.
Burson, Harry H., assignor to N. C. Spong, Chicago, Ill. Clip for wall construction. 2,236,258; Mar. 25.
Bush, A. G. (See Criner, Harry J., assignor.)
Bush, Stanley, Worcester, Mass. Safety device. 2,236,307; Mar. 25.
Buskirk, Lee S., and P. R. Reid, Portland, Oreg. Method and apparatus for separating minerals. 2,236,165; Mar. 25.
Cable, C. M. (See Jones, James R., assignor.)
Cain, Walter B., Whitinsville, Mass. Spindle for spinning or twisting frames. 2,235,866; Mar. 25.
Call, La Mone R. (See Wipper, Frank F., assignor.)
Cameron, Mortimer B., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,236,259; Mar. 25.
Campbell, Argyle, Glenview, Ill., assignor to Baxter Laboratories, Inc., Container. 2,236,491; Mar. 25.
Campbell, Charles. (See Killmer, Ogden, assignor.)
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,235,917; Mar. 25.
Canadian Cottons Limited. (See Boyd, William V., assignor.)
Candler, John L., London, England. Holder for rolls or sheets of paper. 2,236,487; Mar. 25.
Canfield, Charles H., Syracuse, N. Y. Display fixture. 2,236,330; Mar. 25.
Carboloy Company. (See Engle, E. W., and Duncan, assignors.)
Carborundum Company, The. (See Hutchins, Otis, assignor.)
Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ruffling and stitching machine. 2,236,308; Mar. 25.
Carlson, Arnold E., Aurora, Ill. Preformed composite step tread. 2,236,465; Mar. 25.
Carlson, Hjalmar E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Paste applying head for cigar rolling machines. 2,236,028; Mar. 25.
Carlson, Warner W. (See Stahly, G. L., and Carlson.)
Caron, Sam U., Chicago, Ill. Golf bag cart. 2,236,053; Mar. 25.
Carpenter, Albert J., Jr. (See Lacure, E. P., and Carpenter.)
Cary, Sidney P., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Apparatus for pickling and liming ferrous articles. 2,235,824; Mar. 25.
Cary, Sidney P., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Pickling and liming ferrous articles. 2,235,825; Mar. 25.
Case, Nelson P., Great Neck, N. Y., assignor to Hazeltine Corporation. Tone-control system. 2,236,364; Mar. 25.
Cashwell, George W., Elizabethtown, N. C. Toilet seat closer. 2,236,466; Mar. 25.
Castricum, Martin, Grosse Pointe, and F. C. Kennedy, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,235,867; Mar. 25.
Celanese Corporation of America. See Croft, Cyril M., assignor.)
Celanese Corporation of America. (See Keight, Albert W., assignor.)
Celcure Corporation. (See Boardman, Albert D., assignor.)
Chafee, Earl W., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Antiaircraft fire control system. 2,235,826; Mar. 25.
Chance, A.B., Co. (See Bodendieck, Henry W., assignor.)
Chance, A.B., Company. (See Craven, Claud C., assignor.)
Chapman, Percival W., and J. H. Bell, Norwich, and O. A. Jouret, Moosup, assignors to The Lester & Wasley Co., Inc., Norwich, Conn. Machine for treating paper. 2,236,366; Mar. 25.

Chappell, Ralph R. (See Whitney, K. E., and Chappell.)
Charroin, Frank B., San Diego, Calif. Anti-back-siphoning flushing apparatus. 2,235,810; Mar. 25.
Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)
Chicago Railway Equipment Company. (See Wasberg, Axel, assignor.)
Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)
Chicago Transformer Corporation. (See Helgason, Arni, assignor.)
Cincinnati Shaper Company, The. (See Hazelton, Merrill W., assignor.)
Claesson, Per H. E. (See Thunell, K. H., Vigren, and Claesson.)
Clark, Breckinridge T., assignor to E. H. Jacobs Manufacturing Company, Inc., Danielson, Conn. Check strap. 2,236,488; Mar. 25.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electrical capacitance device. 2,236,260; Mar. 25.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric and cooling composition. 2,236,261; Mar. 25.
Clark, Gilbert, National City, Calif. Bullnose corner gauge. 2,236,365; Mar. 25.
Clark, J. R., Company. (See John, Edward T., assignor.)
Classroom Laboratories, Inc. (See Rausch, Joseph, assignor.)
Clench, Edward C. S., assignor to Automotive Products Company Limited, London, England. Liquid pressure remote control system. 2,236,467; Mar. 25.
Cleveland Automatic Machine Company, The. (See Wattleworth, John C., assignor.)
Clouse, Earl L. (See Vanderveld, A., and Clouse.)
Coburn, Joseph H. (See Lamel, A. E., and Coburn.)
Coe, Edwin M., Passaic, and N. H. Curtiss, Clifton, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Making rubber laundry bags. 2,235,981; Mar. 25.
Coesterier, Frederik, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Image converter tube. 2,235,831; Mar. 25.
Cofsky, Eugene L., Brooklyn, N. Y. Roller attachment for sleds. 2,236,331; Mar. 25.
Cold Spring Granite Company. (See Elckhoff, John G., assignor.)
Collins, Walter F., Scarsdale, N. Y. Apparatus for testing locomotives. 2,236,423; Mar. 25.
Coltman, Bertram W. (See Gertz, Samuel M., assignor.)
Combs, Chester A., assignor of fifty per cent to J. C. Foretich, Conroe, Tex., and fifty per cent to Mrs. J. C. Shelton. Well control equipment. 2,236,332; Mar. 25.
Commercial Secretaries Limited. (See Dunsheath, Percy, assignor.)
Commonwealth Engineering Corporation. (See Stahley, G. L., and Carlson, assignors.)
Compagnone, Anthony. (See Duffek, J., and Compagnone.)
Cone Automatic Machine Company Inc. (See Miller, Carroll E., assignor.)
Conover, Richard E., Dayton, Ohio. Electrical circuit for direct current motors. 2,236,086; Mar. 25.
Cook, John V., assignor to Petersen Oven Company, Chicago, Ill. Baking oven. 2,236,085; Mar. 25.
Coolidge, Lloyd E. and F. L., Knife River, Minn. Trolling plane. 2,235,868; Mar. 25.
Coolidge, Francis I. (See Coolidge, Lloyd E. and F. I.)
Cooper-Bessemer Corporation. (See Gehres, Hewitt A., assignor.)
Copeman, Lloyd G., Flint, Mich. Suet cake container. 2,235,939; Mar. 25.
Corn Products Refining Company. (See Moore, George A., assignor.)
Cornelius, Richard T., Minneapolis, Minn. Thermometer for beer barrels. 2,236,243; Mar. 25.
Cornelius, Richard T., Minneapolis, Minn. Motor pump unit. 2,236,244; Mar. 25.
Cosmocolor Corporation. (See Gilmore, Otto C., assignor.)
Costello, Robert P., Calgary, Alberta, Canada. Ball bearing screw and nut portion. 2,236,492; Mar. 25.
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Cowles, Oliver J., Turlock, Calif. Wrench holder. 2,236,333; Mar. 25.
Cox, Paul L. (See Meyer, G. C., and Cox.)
Craig, James R., and C. W. Swartout, Kenmore, N. Y., assignors to The Linde Air Products Company. Mold coating. 2,236,119; Mar. 25.
Crane, Hubert R., Los Angeles, Calif. Bore borer. 2,236,468; Mar. 25.
Craven, Claud C., assignor to A. B. Chance Company, Centralia, Mo. Piston expander. 2,236,285; Mar. 25.
Creel, Thomas B., Chapel Hill, N. C. Protector. 2,236,208; Mar. 25.
Cregor, Nathan M., New York, N. Y., F. E. Timmer, Hasbrouck Heights, N. J., and R. M. Allen, assignors to Vegex, Incorporated, New York, N. Y. 2,235,827; Mar. 25.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,236,245; Mar. 25.
Croft, Cyril M., Cumberland, Md., assignor to Celanese Corporation of America. Treatment of fabrics. 2,235,869; Mar. 25.
Croninger, Arthur G., and O. D. Baker, Miami, Okla.; said Baker assignor to F. G. Dickinson, Champaign, Ill. Copyholder. 2,236,133; Mar. 25.
Cross, Willie B., Racine, Ohio. Corn shock cart. 2,236,469; Mar. 25.
Crown Stove Works. (See Rogers, John C., assignor.)
Crum, Roland R., Whittier, Calif. Core bit. 2,235,982; Mar. 25.
Curtis, David, New York, N. Y. Aldoynl anesthetic compounds and their salts. 2,236,166; Mar. 25.
Curtis, Gordon W., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Apparatus for stamping flexible materials. 2,235,960; Mar. 25.
Curtiss, Nathaniel H. (See Coe, E. M., and Curtiss.)
Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
Daeves, Karl, and G. Becker, Dusseldorf, Germany. Manufacture of articles which are made of iron or steel and are threaded or possess surfaces which make tight joints. 2,236,209; Mar. 25.
Dahlstrom, Arvid, assignor, by mesne assignments, to Oak Mfg. Co., Chicago, Ill. Preselecting mechanism. 2,236,309; Mar. 25.
Daimer, Otto. (See John, W., and Dalmer.)
Darby, Robert F. (See Nelson, Alexander W., assignor.)
Daugherty, Clyde J., assignor to The Sanymetal Products Co., Inc., Cleveland, Ohio. Door operating mechanism. 2,235,829; Mar. 25.
David, Andrew, assignor to E. W. Fritz, Washington, D. C. Electrical connector. 2,236,167; Mar. 25.
Davison, Robert L., assignor to John B. Pierce Foundation, New York, N. Y. Panel wall structural unit and building construction. 2,235,811; Mar. 25.
Dawson, Horace. (See Wood, F. E., and Dawson.)
Deal, Caleb P., assignor to The Terrell Machine Company, Charlotte, N. C. Bobbin hoist for bobbin-handling machines. 2,236,310; Mar. 25.
Decatur Iron and Steel Company. (See Tracy, Michael J., assignor.)
Dedmon, Hanson H., Oakland, Calif. Certificate holder. 2,235,870; Mar. 25.
De Jonge, Leonardus, assignor to the Syndicate "Jozijdhoff," Rotterdam, Netherlands. Device for sterilizing and cooling liquids. 2,236,470; Mar. 25.
Delaney, Cyril T. (See Belaieff, J. F., Delaney, and George.)
De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)
De Muth, Eugene. (See Siemann, Henry M., assignor.)
Demuth, Galan W., Westville, N. J., assignor to Radio Corporation of America. Magnetic pickup construction for electrical musical instruments. 2,235,983; Mar. 25.
Detroit Brass & Malleable Works. (See Rutherford, Francis H., assignor.)
Detroit Harvester Company. (See Kost, Harold W., assignor.)
Detroit Power Screwdriver Company. (See Kirkland, Arthur I., assignor.)
Detwiler, Joseph S., assignor to Taylor Instrument Companies, Rochester, N. Y. Pasteurizing system. 2,236,087; Mar. 25.
Devereaux, William C., Detroit, Mich. Hinge construction. 2,235,984; Mar. 25.
Diamond Match Company, The. (See Nolan, John R., assignor.)
Dibble, Marion A., Toledo, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ball mill. 2,235,985; Mar. 25.
Dickinson, Frank G. (See Croninger, A. G., and (Baker, assignor).)
Di Curzio, Bernardino, Detroit, Mich. Wheel. 2,236,054; Mar. 25.
Diehl, Charles P. (See Knauer, F. C., and Diehl.)
Dietrich, Melvin A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricant. 2,236,168; Mar. 25.
Dion, Amedee, Ste.-Therese de Blainville, Quebec, Canada. Feed mechanism for an ensilage cutting machine. 2,235,918; Mar. 25.
Dion, Amedee, Ste.-Therese de Blainville, Quebec, Canada. Cutter for ensilage and the like. 2,235,919; Mar. 25.
Dodge, William W., Jr., Asheville, N. C. Latch control mechanism for motor vehicles. 2,235,830; Mar. 25.
Dodge, Parker, Chevy Chase, Md., assignor to The New York Air Brake Company. Air brake. 2,236,424; Mar. 25.
Doeg, Ralph W., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,236,088; Mar. 25.
Dole Valve Company, The. (See Lund, James K., assignor.)
Donnelley, R. R., & Sons Company. (See Easton, Robert D., assignor.)
Drummond, Folsom E., Dayton, Ohio, assignor, by mesne assignments, to New Wrinkle, Inc., Wilmington, Del. Drying finishes. 2,236,397; Mar. 25.
Drummond, Folsom E., assignor to New Wrinkle, Inc., Dayton, Ohio. Apparatus for drying finishes. 2,236,398; Mar. 25.
Ducavich, Samuel, Chicago, Ill. Wheel chair. 2,236,089; Mar. 25.
Duffek, Joseph, and A. Compagnone, Gloversville, N. Y. Shade roller and curtain pole bracket. 2,236,334; Mar. 25.

Dugied, Eugène A., Courbevoie, assignor to Societe Anonyme des Anciens Etublissements Hotchkiss & Cie, Paris, France. Firing mechanism for multiple guns. 2,236,335; Mar. 25.
Duncan, Hershel B. (See Engle, E. W., and Duncan.)
Dunsheath, Percy, Sidcup, Kent, assignor to Commercial Secretaries Limited, London, England. Electric cable. 2,236,286; Mar. 25.
Dunwoodie, David M., Sr., Dayton, Ohio. Fastening device. 2,236,169; Mar. 25.
Duplex Printing Press Company, The. (See Blackley, James L., assignor.)
Duplex Printing Press Company. (See Lacure, E. P., and Carpenter, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dibble, Marion A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dietrich, Melvin A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hitch, E. F., Rossander, and Sparks, assignors.)
Du Pont, E. I., de Nemours & Company. (See Izard, E. F., and Kohn, assignors.)
Du Pont, E. I., de Nemours & Company. (See Meuler, Walter C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Vincent-Daviss, C. A., and Maxwell, assignors.)
Du Pont, E. I., de Nemours & Company. (See Williams, Ira, assignor.)
Eastman, G. O. (See Friesenhahn, Edwin P., assignor.)
Easton, Robert D., assignor to R. R. Donnelly & Sons Company, Chicago, Ill. Method of, and machine for, feeding articles. 2,236,336; Mar. 25.
Easy Washing Machine Corporation. (See Litle, Thomas J., Jr., assignor.)
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Eaton Manufacturing Company. (See Russell, Robert C., assignor.)
Ecclier, Charles, Brooklyn, N. Y. Music rack. 2,236,337; Mar. 25.
Edgar, Robert F., Pattersonville, N. Y., assignor to General Electric Company. Method of and apparatus for measuring surges. 2,236,287; Mar. 25;
Eggerss, Hans A. (See Scott, Harry A., assignor.)
Eggleston, Smith, St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Roller conveyer. 2,236,029; Mar. 25.
Ehret, Clement, White Plains, N. Y. Dishwashing apparatus. 2,236,262; Mar. 25.
Elckhoff, John G., assignor to Cold Spring Granite Company, Cold Spring, Minn. Drill guide. 2,236,399; Mar. 25.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake shoe. 2,236,311; Mar. 25.
Electric Hose and Rubber Company. (See Garretson, Cornelius D., assignor.)
Electrolux Corporation. (See Hansson, E. O. H., and Forsberg, assignors.)
Ellingson, Bertha L., Chicago, Ill. Basin holder. 2,235,986; Mar. 25.
Emanuel, Benjamin D., Anderson, Ind. Lighting assembly. 2,236,338; Mar. 25.
Engel, John H., Escondido, Calif. Adjustable gill for aircraft engine cowl. 2,236,090; Mar. 25.
Engle, Edgar W., Grosse Pointe Park, and H. B. Duncan, assignors to Carboloy Company, Inc., Detroit, Mich. Making wire drawing dies. 2,236,288; Mar. 25.
Eppensteiner, William F., Woodbridge, N. J., assignor to M. H. Treadwell Company, Inc., New York, N. Y. Casting apparatus. 2,236,471; Mar. 25.
Erikson, Fred, Brooklyn, assignor of one-half to Albert Lakofsky, New York, N. Y. Mimeograph. 2,236,233; Mar. 25.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Evans Case Company. (See Reilly, Alfred F., assignor.)
Evleth, Earl M., assignor to The Bastian-Blessing Co., Chicago, Ill. Apparatus for heat treatment of metal. 2,236,425; Mar. 25.
Ezell, John Kimsey. (See Handley, John W. H., assignor.)
Fabbrica Italiana Magneti Marelli Societa Anonima. (See Marzetti, Manlio, assignor.)
Faber, Paul, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Turbine blade. 2,236,426; Mar. 25.
Fafnir Bearing Company, The. (See Potter, Howell L., assignor.)
Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Internal combustion engine. 2,235,871; Mar. 25.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjusting apparatus. 2,236,263; Mar. 25.
Fides Gesellschaft für die Verweltung und Verwetung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Steenbeck, Max, assignor.)
Findley, Howard J., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Under-seat automobile heater. 2,236,475; Mar. 25.
Findley, Howard J., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Automobile heating system. 2,236,476; Mar. 25.
Fjellman, Ralph H., Niles Center, Ill. Flue-heat-utilizing water heater. 2,236,170; Mar. 25.
Fletcher, George W., San Francisco, Calif. Combined trailer and tent construction. 2,236,091; Mar. 25.
Foggan, George N., Pleasantville, Pa. Oil well pump and sand trap. 2,236,210; Mar. 25.
Follmer, Joseph, Denver, Colo. Folding table and hinge therefor. 2,236,400; Mar. 25.
Folmer Graflex Corporation, The. (See Skinner, C. R., and Willcox, assignors.)
Ford, Jay T., Grand Blanc, and W. S. Kirk, Flint, assignors to General Motors Corporation, Detroit, Mich. Fabric coating. 2,235,872; Mar. 25.
Ford Motor Company. (See Farkas, Eugene J., assignor.)
Ford Motor Company. (See Galamb, Joseph, assignor.)
Ford Motor Company. (See Kramer, Clarence F., assignor.)
Foretich, Julius C., et al. (See Combs, Chester A., assignor.)
Forsberg, Axel A. (See Hansson, E. O. H., and Forsberg.)
Forsberg, Erik A., Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal bowl. 2,235,873; Mar. 25.
Forsyth, William T., Whitecraigs, Scotland. Mill for grinding paints, enamels, inks, and other viscous substances. 2,235,920; Mar. 25.
France, Wesley G., assignor of one-half to G. A. Bole, Columbus, Ohio. Cellulated clay product and producing the same. 2,235,881; Mar. 25.
Frank, Emil, Cincinnati, Ohio. Dispensing container closure. 2,235,987; Mar. 25.
Franklin, Leslie U., Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Chemical treatment of petroleum distillates. 2,235,921; Mar. 25.
Freeman, Benjamin A., Montclair, N. J., assignor, by mesne assignments, to Wilputte Coke Oven Corporation, New York, N. Y. Coke oven door. 2,236,092; Mar. 25.
Freeman, Lowell C., assignor to The Murray Corporation of America, Detroit, Mich. Spring frame. 2,235,874; Mar. 25.
Freeman, Malcolm H., Maryville, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa. Work manipulator. 2,235,832; Mar. 25.
Freeman, Robert L., Flushing, N. Y., assignor to Hazeltine Corporation. Vacuum tube with substantially constant interelectrode capacitance. 2,235,816; Mar. 25.
Freeman, Robert L., Flushing, N. Y., assignor to Hazeltine Corporation. Multiple transconductance vacuum-tube amplifier. 2,235,817; Mar. 25.
Freydberg, Aaron, Mount Vernon, and W. H. Hawkins, Brooklyn, N. Y., assignors to Freydberg Bros., Inc., Stamford, Conn. Method and apparatus for making shoulder pads. 2,236,472; Mar. 25.
Freydberg Bros., Inc. (See Freydberg, A., and Hawkins, assignors.)
Friend, Richard N., Sioux City, Iowa. Surface scraper. 2,236,093; Mar. 25.
Friesenhahn, Edwin P., assignor of one-half to G. O. Eastman, San Antonio, Tex. Planting mechanism. 2,235,922; Mar. 25.
Friis, Harald T. (See Beck, A. C., and Friis.)
Fritz, E. W. (See David, Andrew, assignor.)
Frohwitter, William G., assignor to St. Joe Machines, Inc., St. Joseph, Mich. Centrifugal drier or extractor. 2,235,988; Mar. 25.
Fuchs, Julius, assignor of one-half to A. J. Baker, Cleveland, Ohio. Check valve. 2,236,477; Mar. 25.
Funk, Alfred, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Gun mount, more especially for use in aircraft. 2,236,312; Mar. 25.
G. & A. Laboratories, Inc. (See Hasselstrom, Torsten, assignor.)
Galamb, Joseph, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Door support. 2,235,875; Mar. 25.
Garand, John C., Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office. Cartridge clip. 2,235,833; Mar. 25.
Gardener, Bennett B., Lake Creek, Oreg. Castrator. 2,235,923; Mar. 25.
Gardner, Percy, East Orange, N. J., assignor to Lever Bias Machine Corporation, New York, N. Y. Apparatus for producing tubular fabric. 2,235,818; Mar. 25.
Garretson, Cornelius D., assignor to Electric Hose and Rubber Company, Wilmington, Del. Making rubber hose. 2,236,171; Mar. 25.
Garrison, Wellington E., Millville, N. J. Fishing tackle. 2,236,427; Mar. 25.
Gaspari, Hannibal J. R. (See Toussaint, N. F., Gaspari, and Ambrose.)
Gatchell, Eugene J. (See Lerch, W. B., Mathis, and Gatchell.)
Gates, Geoffrey R. G., assignor to Automotive Products Company Limited, London, England. Drum brake. 2,236,473; Mar. 25.
Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Piston oil cooling system. 2,236,401; Mar. 25.
Geiger, Harvey. (See Rogers, Clayton T., assignor.)
Gemex Company. (See Pfeiffer, William H., assignor.)

General American Transportation Corporation. (See Aller, Edmund R., assignor.)
General Electric Company. (See Anderson, Robert G., assignor.)
General Electric Company. (See Ayers, Edgar H., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Edgar, Robert F., assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Kilbourne, Charles E., assignor.)
General Electric Company. (See Reid, Ralph A., assignor.)
General Electric Company. (See Rice, C. W., and Snell, assignors.)
General Electric Company. (See Stewart, Clyde E., assignor.)
General Electric Company. (See Sturtevant, George R., assignor.)
General Electric Company. (See von Hoorn, Fred G., assignor.)
General Electric Company. (See Willis, Cloilus H., assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Industries Company. (See Borchers, Alvin C., assignor.)
General Industries Company, The. (See Rich, Russell H., assignor.)
General Motors Corporation. (See Relderman, Edward G., assignor.)
General Motors Corporation. (See Young, Frank A., assignor.)
General Motors Corporation. (See Ford, J. T., and Kirk, assignors.)
General Motors Corporation. (See Henney, Charles F., assignor.)
General Motors Corporation. (See Hornaday, James R., assignor.)
General Motors Corporation. (See Summers, Otto M., assignor.)
General Printing Ink Corporation. (See Irion, Clarence E., assignor.)
General Printing Ink Corporation. (See Lipton, Morris, assignor.)
General Research, Inc. (See Kamberian, Jacob S., assignor.)
George, Wanchope L. (See Belaieff, J. F., Delaney, and George.)
Gertz, Samuel M., Chicago, assignor to R. W. Coltman, Kenilworth, Ill. Stereopticon slide. 2,235,876; Mar. 25.
Gibson, Bert H., and L. C. Lunsford, assignors to The Hoosier Manufacturing Company, New Castle, Ind. Adjustable table top. 2,236,094; Mar. 25.
Gignoux, Ralph E., assignor to Hopper Machine Works, Inc., Bakersfield, Calif. Portable angular boring bar with grinder. 2,235,924; Mar. 25.
Gillette, Claude S., U. S. Navy, and R. C. Brierly, Narberth, Pa. Fuel oil burner nozzle. 2,235,834; Mar. 25.
Gillis, George H., Fitchburg, Mass. Armored shoe sole. 2,235,819; Mar. 25.
Gilmore, Otto C., Van Nuys, Calif., assignor to Cosmocolor Corporation, New York, N. Y. Apparatus for photographic printing by projection. 2,235,925; Mar. 25.
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Cabinet for lubricant dispensing apparatus. 2,236,095; Mar. 25.
Glish, Daniel B., West Springfield, Mass. Gripping work. 2,236,349; Mar. 25.
Glsske, Walter P., Chicago, Ill., assignor to Wrought Washer Mfg. Co., Milwaukee, Wis. Spring mattress corner bracket or corner block. 2,236,055; Mar. 25.
Gleason, George A. (See Brickman, A. E., and Gleason.)
Globe Hoist Company. (See Thompson, Elmer B., assignor.)
Globe-Union Inc. (See Rubinstein, H. W., and Zimmerman, assignors.)
Gloess, Paul F. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. System of transmission of electric signals. 2,236,131; Mar. 25.
Goetzel, Claus G., assignor to Hardy Metallurgical Company, New York, N. Y. Powder metallurgy. 2,235,835; Mar. 25.
Gomersall, John R., assignor to McGraw Electric Company, Elgin, Ill. Thermal timer for automatic toasters. 2,236,402; Mar. 25.
Good, Joseph S., New Canaan, assignor, by mesne assignments, to Newman M. Marsilius, Bridgeport, Conn. Vise. 2,236,135; Mar. 25.
Goodenough, Wells P., and H. E. Jensen, Palo Alto, Calif. Clutch. 2,236,313; Mar. 25.
Goodenough, Wells P., and H. E. Jensen, Palo Alto, Calif. Clutch. 2,236,314; Mar. 25.
Goodrich, B. F., Company, The. (See Tousley, Nelson E., assignor.)
Gorman, Vincent J., assignor to The International Elevator Company, Brooklyn, N. Y. Automatic elevator control. 2,236,136; Mar. 25.
Goss Printing Press Company, The. (See Bueltmann, Alfons J., assignor.)
Goss Printing Press Company, The. (See Worthington, Emory W., assignor.)
Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Thermostatically controlled appliance. 2,236,478; Mar. 25.
Government of the United States of America. (See Garand, John C., assignor.)
Grand Rapids Store Equipment Company. (See Vanderveld, Anthony, assignor.)
Grand Rapids Store Equipment Company. (See Vanderveld, A., and Clouse, assignors.)
Gray, Emanuel, New York, assignor of one-half to R. B. Shoemaker, Flushing, N. Y. Metal window, door, and the like. 2,236,315; Mar. 25.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 2,236,172; Mar. 25.
Gray, William. (See Hall, F. N., and Gray.)
Green, William H., Louisville, Ky. Valve applying and removing apparatus. 2,236,211; Mar. 25.
Greenberg, Harry H., assignor to Royal Robes, Inc., New York, N. Y. Garment of the robe type. 2,235,812; Mar. 25.
Grimm, Carl W., Oak Park, assignor to Henry Pratt Company, Chicago, Ill. Apparatus and method of making corrugated board. 2,236,056; Mar. 25.
Grisham, William F., Royalty, Tex. Flow valve. 2,236,137; Mar. 25.
Greene, William F., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Power center drive chuck. 2,236,057; Mar. 25.
Gruber, John, New York, N. Y. Shoe. 2,236,367; Mar. 25.
Gruetzmacher, Herald A., and E. E. Menter, Carroll, Iowa. Music stand. 2,235,989; Mar. 11.
Guggenheim, Paul, assignor to Philadelphia Metal Works, Incorporated, Philadelphia, Pa. Egg grader apparatus. 2,235,877; Mar. 25.
Gulf Oil Corporation. (See Franklin, Leslie U., assignor.)
Gulf Research & Development Company. (See Toussaint, N. F., Caspari, and Ambrose, assignors.)
Günther, Norbert, assignor to the firm of Carl Zeiss, Jena, Germany. Reflecting system for deviating a convergent pencil of imaging rays. 2,236,403; Mar. 25.
Guttery, Charles L., Bakersfield, Calif. Valve mechanism. 2,235,990; Mar. 25.
Haaker, Harlan W., Omaha, Nebr. Portable bar. 2,236,368; Mar. 25.
Haas, Verne P., Silverpeak, Nev. Vehicle luggage case. 2,236,428; Mar. 25.
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Cushion construction. 2,235,878; Mar. 25.
Haddad, Labeeb R., New Haven, Conn., assignor, by mesne assignments, to The Safety Car Heating and Lighting Company, Inc., New York, N. Y. Voltage control. 2,236,173; Mar. 25.
Hagstrom, Gotthard, Westville, assignor to The H. B. Ives Company, New Haven, Conn. Window or door catch. 2,236,174; Mar. 25.
Hall, Floyd N., and W. Gray, St. Louis, Mo. Shoe stretcher. 2,236,264; Mar. 25.
Hall, Victor, Pelham, N. Y., assignor to The Applitube Company, Inc., Stamford, Conn. Collapsible tube. 2,236,030; Mar. 25.
Hall, Victor, Pelham, N. Y., assignor to The Applitube Company, Inc., Stamford, Conn. Collapsible tube. 2,236,031; Mar. 25.
Hanak, Albert, Philadelphia, Pa. Process and apparatus for the separation and recovery of metals. 2,236,234; Mar. 25.
Handley, John W. H., assignor of one-half to J. K. Ezell, Atlanta, Ga. Revolving canopy or roof. 2,235,927; Mar. 25.
Hand, Wilfred C. (See Wallace, J. H., Jr., and Hand.)
Hanks, Marshall W., Madison, Wis., and G. H. Nelson, Chicago, Ill., assignors to Hankscraft Company, Madison, Wis. Vaporizer. 2,235,879; Mar. 25.
Hankscraft Company. (See Hanks, M. W., and Nelson, assignors.)
Hanson, Fred C. (See Lee, Oscar, assignor.)
Hansson, Erik O. H., and A. A. Forsberg, Stockholm, Sweden, assignors to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,236,265; Mar. 25.
Hapman, Henry W., Detroit, Mich. Sprocket wheel for chain conveyers and the like. 2,235,991; Mar. 25.
Hapman, Henry W., Detroit, Mich. Flight conveyer and elevator. 2,235,992; Mar. 25.
Harder, Oscar E., Columbus, Ohio, assignor to Inland Steel Company, Indiana Harbor, Ind. Nonaustenitic stainless steel. 2,236,479; Mar. 25.
Hardinge Company, Inc. (See Hardinge, Harlowe, assignor.)
Hardinge, Harlowe, assignor to Hardinge Company, Inc., York, Pa. Apparatus and method for controlling grinding devices. 2,235,928; Mar. 25.
Hardy, Charles, Pelham Manor, assignor to Hardy Metallurgical Company, New York, N. Y. Metallurgical apparatus. 2,236,441; Mar. 25.

Hardy, Charles, Pelham Manor, assignor to Hardy Metallurgical Company, New York, N. Y. Reduction of metal compounds without fusion. 2,236,474; Mar. 25.
Hardy Metallurgical Company. (See Goetzel, Claus G., assignor.)
Hardy Metallurgical Company. (See Hardy, Charles, assignor.)
Harley, Joseph J. (See Barry, J. F., Harley, and Hayford.)
Harris, Clinton P., Alpena, assignor to Huron Portland Cement Company, Detroit, Mich. Supplementing waste heat from kilns or the like. 2,235,993; Mar. 25.
Hartanov, Andrew S. (See Lohner, C. L., and Hartanov.)
Hartford National Bank and Trust Company. (See Bergmans, J., Lamberts, and Van Alphen, assignors.)
Hartford National Bank and Trust Company, as trustee. (See Hendrich, Jacob, assignor.)
Hasselstrom, Torsten, assignor to G & A Laboratories, Inc., Savannah, Ga. Grease. 2,235,926; Mar. 25.
Hauck, Ernest, Hillside, N. J. Guard for a stack of objects. 2,236,175; Mar. 25.
Hawkins, William H. (See Freydberg, A., and Hawkins.)
Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Scotch blocks. 2,235,994; Mar. 25.
Hayes Track Appliance Company. (See Hayes, Stanley W., assignor.)
Hayford, Walter S. (See Barry, J. F., Harley, and Hayford.)
Hazeltine Corporation. (See Case, Nelson P., assignor.)
Hazeltine Corporation. (See Freeman, Robert L., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Hazelton, George. (See Lane, H., and Hazelton.)
Hazelton, Merrill W., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Shearing machine. 2,236,192; Mar. 25.
Hazelton, Merrill W., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Shearing machine. 2,236,193; Mar. 25.
Head, Drew, assignor to Illinois Tool Works, Chicago, Ill. Fastener means and making same. 2,236,235; Mar. 25.
Hechenbleikner, Ingenuin, Greenwich, and C. Best, Stamford, Conn., assignors to American Cyanamid Co., New York, N. Y. B B′ dihydroxydiethyl cyanamide. 2,235,813; Mar. 25.
Helgason, Arni, Chicago, Ill., assignor to Chicago Transformer Corporation. Induction coil. 2,236,316; Mar. 25.
Helgeson, Oscar C., assignor of one-half to L. P. Sandbakken, Dawson, Minn. Automatic fuel control for internal combustion engines. 2,236,032; Mar. 25.
Hendrich, Jacob, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Noiseless sound recording. 2,235,929; Mar. 25.
Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,236,058; Mar. 25.
Henry, Stephen C., Germantown, Ohio. Manicuring implement. 2,236,096; Mar. 25.
Hercules Powder Company. (See Kaicel, Charles S., assignor.)
Hercules Powder Company. (See Lorand, Eugene J., assignor.)
Herglotz, Franz, Karlsbad, Czechoslovakia. Working up pit coal. 2,236,404; Mar. 25.
Herrmann, Walter A., assignor to E. L. Mansure Company, Chicago, Ill. Machine for stitching a sheathing about a ring. 2,236,369; Mar. 25.
Heuser, Herman, Evanston, Ill. Making commercial coffee extract. 2,236,059; Mar. 25.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder. 2,236,266; Mar. 25.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Directional control of sanding. 2,236,267; Mar. 25.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake means. 2,236,268; Mar. 25.
Higham, William W., assignor to Universal Cooler Corporation, Detroit, Mich. Refrigerating apparatus. 2,235,995; Mar. 25.
Hipsley, George W., assignor of ten one-hundredths to J. G. Mathé, San Salvador, El Salvador. Electrical indicator circuits. 2,236,429; Mar. 25.
Hitch, Emmet F., S. S. Rossander, and C. E. Sparks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Direct brown azo dyes and manufacturing the same. 2,236,236; Mar. 25.
Hoe, R., & Co., Inc. (See Huck, William F., assignor.)
Hogan, William E., assignor to Wellman Company, Medford, Mass. Blank cutting machine. 2,235,996; Mar. 25.
Holden, Bertha R., executrix. (See Holden, Richard R.)
Holden, Richard R., Highland Park, deceased; B. B. Holden, executrix, assignor, by mesne assignments, to R. Roy Holden, Inc., Chicago, Ill. Overhead trolley system. 2,235,961; Mar. 25.
Holden, R. Roy, Inc. (See Holden, Richard R., assignor.)
Holeproof Hosiery Co. (See Moyer, John D., assignor.)
Hollingsworth, Elizabeth. (See Hollingsworth, "R" Lee, and Elizabeth.)
Hollingsworth, "R" Lee and E., Riverhead, N. Y. Toy, advertising and display device. 2,236,431; Mar. 25.
Hoosier Manufacturing Company, The. (See Gibson, B. H., and Lunsford, assignors.)
Hopper Machine Works, Inc. (See Gignoux, Ralph E., assignor.)
Horblit, Etta M., Roxbury, Mass. Skirt. 2,236,269; Mar. 25.
Hornaday, James R., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,235,962; Mar. 25.
Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic apparatus. 2,236,138; Mar. 25.
Howland, Anna C. (See Howland, Forster T., assignor.)
Howland, Forster T., Los Angeles, Calif., assignor, by decree of court, to A. C. Howland. Screw-propelled tail gate elevator. 2,236,317; Mar. 25.
Hoyt, Leroy W., Stamford, Conn. Oil and dirt accumulator for low pressure heating systems. 2,236,350; Mar. 25.
Hubbard, Karl H., Rochester, and W. J. Brown, Spencerport, assignors to Taylor Instrument Companies, Rochester, N. Y. Regulator. 2,236,097; Mar. 25.
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Stereotype plate casting device. 2,236,212; Mar. 25.
Huggins, James D., Jr., Boiling Springs, N. C. Pneumatic tire air pressure indicating means. 2,235,930; Mar. 25.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Thermionic device. 2,236,289; Mar. 25.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Thermionic cathode. 2,236,290; Mar. 25.
Hulsebos, Wichert, Laren, assignor to Naamlooze Vennootschap, Hulsemo Utrecht, Netherlands. Piston for wobbler engines. 2,236,237; Mar. 25.
Humphries, William A., Covington, Ky. Stamping device. 2,235,820; Mar. 25.
Huron Portland Cement Company. (See Harris, Clinton P., assignor.)
Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Rug drier. 2,236,430; Mar. 25.
Hutchins, Otis, assignor to The Carborundum Company, Niagara Falls, N. Y. Polishing material and method of manufacturing the same. 2,235,880; Mar. 25.
Hutchison, Miller R., Jr., Rochester, assignor to Paul Kollsman, New York, N. Y. Power transmission device. 2,236,139; Mar. 25.
Hygrade Sylvania Corporation. (See O'Neill, George D., assignor.)
Hyndman, Meade, St. Louis, Mo. Drinking cup. 2,236,060; Mar. 25.
Iannotti, Paul, Chicago, Ill. Time controlled switch. 2,236,098; Mar. 25.
Illinois Tool Works. (See Head, Drew, assignor.)
Ilmer, Louis. (See Stuart, Harve R., assignor.)
Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)
Industrial Patents Corporation. (See Lohner, C. L., and Hartanov, assignors.)
Industrial Patents, Corporation. (See Walter, Charles T., assignor.)
Inland Steel Company. (See Harder, Oscar E., assignor.)
Ingersoll-Rand Company. (See Tuttle, Grover G., assignor.)
International Cigar Machinery Company. (See Carlson, Hjalmar E., assignor.)
International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)
International Elevator Company. (See Gorman, Vincent J., assignor.)
International Standard Electric Corporation. (See Gloess, Paul F. M., assignor.)
International Standard Electric Corporation. (See McLarn, Ernest S., assignor.)
International Standard Electric Corporation. (See Perroux, Georges E. M., assignor.)
International Standard Electric Corporation. (See Smith, Clyde, assignor.)
International Standard Electric Corporation. (See Smyth, Charles N., assignor.)
International Telephone Development Co. Inc. (See Kolster, Frederick A., assignor.)
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of paraffin hydrocarbons. 2,236,099; Mar. 25.
Ireland, Murray, near Elgin, assignor to McGraw Electric Company, Elgin, Ill. Adjustable timer. 2,236,405; Mar. 25.
Ireland, Murray, near Elgin, assignor to McGraw Electric Company, Elgin, Ill. Timer control means. 2,236,406; Mar. 25.
Irion, Clarence E., Montclair, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Printing ink. 2,235,997; Mar. 25.
Ives, H. B., Company, The. (See Hagstrom, Gotthard, assignor.)
Izard, Emmette F., Kenmore, and E. J. Kohn, East Aurora, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making films, threads, and the like. 2,236,061; Mar. 25.

Jackman, Elmer F., Lakewood, Ohio, assignor to G. V. Woodling and E. F. Jackman, co-trustees. Radially yieldable device. 2,236,370; Mar. 25.

Jackman, Elmer F., et al., co-trustees. (See Jackman, Elmer F., assignor.)

Jacobs, E. H., Manufacturing Company, Inc. (See Breckinridge, T. Clark, assignor.)

Jacobson, Walter V., Apponaug, assignor to Universal Winding Company, Cranston, R. I. Winding machine. 2,236,432; Mar. 25.

Jaeger Machine Company, The. (See Mosel, Joseph H., assignor.)

Jagenburg, Eugene R., Douglaston, Long Island, N. Y. Fruit and vegetable cutting machine. 2,236,176; Mar. 25.

Jenkins, James R. (See Brennan, F. R., and Jenkins.)

Jenkins, Nelson M., C. D. Michaels, F. Robson, and H. C. Rodgers, Birmingham, Ala. Backup rolls for tinning machines. 2,236,213; Mar. 25.

Jensen, Henry E. (See Goodenough, W. P., and Jensen.)

Jewett, Nelson J. (See Spalnhour, Joseph F., Jr., assignor.)

John, Edward T., assignor to J. R. Clark Company, Minneapolis, Minn. Metallic table top with open chambers. 2,235,882; Mar. 25.

John, Edward T., assignor to J. R. Clark Company, Minneapolis, Minn. Metallic table top with closed chambers. 2,235,883; Mar. 25.

John, Walter, Gottingen, and O. Dalmer, Darmstadt, Germany, assignors to Merck & Co., Inc., Rahway, N. J. Ethers of trimethyl-hydroquinone and preparing the same. 2,235,884; Mar. 25.

Johnson, Carl W., assignor to American Glass Sterilizer Corporation, Minneapolis, Minn. Glassware washer and sterilizer. 2,235,885; Mar. 25.

Johnson, Glenn D., assignor to Marsh-Ross Tool Company, Los Angeles, Calif. Control valve for wells. 2,236,177; Mar. 25.

Johnson Laboratories, Inc. (See Kirk, Martin J., assignor.)

Jones, James R., assignor of one-fifth to C. M. Cable, Lima, Ohio. Method of uniting rubber sheets. 2,236,214; Mar. 25.

Jones, Samuel G., Princess Anne County, assignor to Berkley Machine Works and Foundry Company, Inc., Norfolk, Va. Stoker. 2,236,407; Mar. 25.

Jouret, Oscar A. (See Chapman, P. W., Bell, and Jouret.)

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Funk, Alfred, assignor.)

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Zindel, Ernst, assignor.)

Jurkas, John. (See Martinich, A., and Jurkas.)

Kahliach, Gustav. (See Reiners, Wilhelm and W., and Kahlisch.)

Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,235,886; Mar. 25.

Kaleel, Charles S., assignor to Hercules Powder Company, Wilmington, Del. Crimping tool for dynamite cartridges. 2,236,140; Mar. 25.

Kalva Venders, Inc., The. (See Karnopp, Karl W., assignor.)

Kamborian, Jacob S., West Newton, assignor, by mesne assignments, to General Research, Inc., Boston, Mass. Manufacture of footwear. 2,235,887; Mar. 25.

Kamborian, Jacob S., West Newton, assignor to General Research, Inc., Boston, Mass. Lasting machine. 2,235,888; Mar. 25.

Karellus, Carl A., Pasadena, Calif. Lathing. 2,236,141; Mar. 25.

Karnopp, Karl W., Waukegan, Ill., assignor, by mesne assignments, to The Kalva Venders, Inc. Conveyer for vending machines. 2,236,100; Mar. 25.

Katcher, Morris, New York, N. Y. Knuckle joint. 2,236,062; Mar. 25.

Katzman, Jacob, Brooklyn, assignor to Nova Electric Corporation, New York, N. Y. Electrolytic condenser. 2,236,270; Mar. 25.

Kaupp, Donald H., New York, N. Y. Brassière. 2,236,142; Mar. 25.

Kay Manufacturing Corporation. (See Krakauer, Abraham, assignor.)

Kay Manufacturing Corporation. (See Krakauer, Daniel, assignor.)

Keight, Albert W., Cumberland, Md., assignor to Celanese Corporation of America. Production of artificial filaments, yarns, or threads. 2,235,889; Mar. 25.

Keith, Elden L., Hollywood, Calif. Glass bumper mat. 2,236,339; Mar. 25.

Kellermann, Willy, Nuremberg, Germany. Toy vehicle. 2,236,143; Mar. 25.

Kennedy, Francis C. (See Castricum, M., and Kennedy.)

Kennedy, John A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Bobbin and spindle for spinning, twisting, and similar machines. 2,236,178; Mar. 25.

Kennedy, John A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Bobbin. 2,236,179; Mar. 25.

Kennedy, Melvin S., Arlington, Va., dedicated to the free use of the People in the territory of the United States. Film adapter. 2,236,371; Mar. 25.

Kilbourne, Charles E., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,236,291; Mar. 25.

Killmer, Ogden, Hasbrouck Heights, N. J., assignor to C. Campbell, New York, N. Y. Ornamental stringer for slide operated fasteners. 2,236,033; Mar. 25.

King, Gerald V., Chatham, N. J., and J. B. McKim, New York, and O. Myers, Mount Vernon, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,236,246; Mar. 25.

King, Denver R., U. S. Navy. Device for arresting the motion of vehicles. 2,235,836; Mar. 25.

King, Ralph E., Short Hills, and O. R. Miller, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,235,890; Mar. 25.

Kingsbury, Albert, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Bearing. 2,235,931; Mar. 25.

Kingsbury Machine Works, Inc. (See Kingsbury, Albert, assignor.)

Kirk, Martin J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Permeability-tuned wave trap and core construction therefor. 2,236,292; Mar. 25.

Kirk, William S. (See Ford, J. T., and Kirk.)

Kirkland, Arthur L., Detroit, Mich., assignor to Detroit Power Screwdriver Company. Torque limiting chuck. 2,236,101; Mar. 25.

Kirsch Company. (See Stratton, Philip B., assignor.)

Klavik, Miloš, Prague, Czechoslovakia. Resilient mounting for the driving unit in automobiles. 2,236,408; Mar. 25.

Klein, William C., Allentown, Pa. Lawn mower. 2,236,433; Mar. 25.

Kleinschmidt, Robert V., Stoneham, assignor to Pease-Anthony Equipment Company, Cambridge, Mass. Apparatus for producing an intimate contact between a liquid and a gas. 2,235,998; Mar. 25.

Klinitski, Anthony, Nanticoke, Pa. Fishing float. 2,236,215; Mar. 25.

Klocke, William. (See Patrick, L. and Klocke.)

Klosky, Simon, New Brunswick, assignor to The American Agricultural Chemical Company, Newark, N. J. Carbon pigment and making the same. 2,235,999; Mar. 25.

Knauer, Frederick C., Berwyn, Md., and C. P. Diehl, Washington, D. C. Rear end gear shift. 2,236,144; Mar. 25.

Knowles, John H., Larchmont, N. Y. Sedimentation apparatus. 2,236,434; Mar. 25.

Koessler, John A., J. W., and K. L., Buffalo, N. Y. Method for registering printing plates. 2,236,000; Mar. 25.

Koessler, John W. (See Koessler, John A., J. W., and K. L.)

Koessler, Kenneth L. (See Koessler, John A., J. W., and K. L.)

Kohn, Earl J. (See Izard, E. F., and Kohn.)

Kolb, Hans F., Chicago, Ill. Brake mechanism. 2,236,247; Mar. 25.

Kolb, Paul H., Williamsport, Pa. Magnetic throttle control. 2,236,145; Mar. 25.

Kollsman, Paul (See Hutchison, Miller R., Jr., assignor.)

Kolster, Frederick A., Garden City, assignor to International Telephone Development Co. Inc., New York, N. Y. High frequency wave transmission system. 2,236,102; Mar. 25.

Kost, Harold W., Ferndale, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Securing nuts in plates. 2,236,180; Mar. 25.

Kotchi, Charles J., and J. Pondelick, Chicago, Ill. Holder for electric welding electrodes. 2,236,372; Mar. 25.

Kowalski, Anthony C., Worcester, Mass. Permanently recording defects in metals. 2,236,373; Mar. 25.

Krakauer, Abraham, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Bedspring. 2,235,814; Mar. 25.

Krakauer, Daniel, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Locking sofa bed hinge. 2,236,351; Mar. 25.

Kramer, Clarence F., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Rear deck door lock for automobiles. 2,236,001; Mar. 25.

Kratz, Edouard M., Ogden Dunes, Ind., assignor to Marbon Corporation. Preparing sheet or film material. 2,236,271; Mar. 25.

Kucher, Andrew A., Dayton, Ohio. Fuel burning apparatus. 2,236,181; Mar. 25.

Kueffer, E. H. (See Metcalf, Herbert E., assignor.)

Kuhn, Frank, Grosse Pointe Farms, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Electric iron. 2,235,891; Mar. 25.

Kuhn, Frank, Grosse Pointe Farms, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Thermostat. 2,235,893; Mar. 25.

Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Separator. 2,235,892; Mar. 25.

Kutil Engineering Company. (See Kutil, Michael, assignor.)

Kutil, Michael, Sheboygan, Wis., assignor to Kutil Engineering Company. Coal bagging machine. 2,235,932; Mar. 25.

Lacure, Earl P., and A. J. Carpenter, Jr., assignors to Duplex Printing Press Company, Battle Creek, Mich. Plate clamp. 2,236,146; Mar. 25.

Lacy, Herman E., Chicago, Ill. Hot cup. 2,236,238; Mar. 25.

Laine, Aarne, New York, N. Y. Skill game. 2,235,933; Mar. 25.

Lakofsky, Albert. (See Erikson, Fred, assignor.)

Lamberts, Clamor A. (See Bergmans, J., Lamberts, and Van Alphen.)

Lamel, Arthur E., and J. H. Coburn, assignors to The Trumbull Electric Manufacturing Co., Pacific Division, Los Angeles, Calif. Remote control electromagnetic interlock switch. 2,236,318; Mar. 25.

Lane, Harold, and G. Hazelton, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Assembling machine. 2,235,934; Mar. 25.

Lanman, Guy R., El Reno, Okla. Teeter board. 2,236,409; Mar. 25.

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Siekmann, assignors.)

Lederer, Lester C., Willows, Calif. Harvester. 2,236,002; Mar. 25.

Lee, Clarence D., Berkeley, Calif. Device for recording pulse waves, respiration, and blood pressure changes. 2,235,894; Mar. 25.

Lee, Oscar, Fairfield, assignor of one-half to F. C. Hanson, Great Falls, Mont. Battery terminal clamp. 2,235,935; Mar. 25.

Leighton, John W., Port Huron, Mich. Rear end suspension. 2,236,410; Mar. 25.

Leland Electric Company, The. (See Lyden, Frank J., assignor.)

Leland Stanford Junior University, The Board of Trustees of the. (See Poth, Edgar J., assignor.)

Lerch, Brooke W., Dundalk, and C. N. Stover, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for knitting. 2,236,183; Mar. 25.

Lerch, William B., C. H. Mathis, and E. J. Gatchell, Bartlesville, Okla., assignors to Phillips Petroleum Company. Plugging formations. 2,236,147; Mar. 25.

Lerch, William B., C. H. Mathis, and E. J. Gatchell, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treating hydrocarbons. 2,235,936; Mar. 25.

Le Roy-Meersmans, L., Berchem, Belgium. Forming mixtures of fluids and delivering measured quantities of these mixtures. 2,236,182; Mar. 25.

Loster & Wasley Co. (See Chapman, P. W., Bell, and Jouret, assignors.)

Lever Bias Machine Corporation. (See Gardner, Percy, assignor.)

Levinson, Herman. (See Minich, A., and Levinson.)

Libbey-Owens-Ford Glass Company. (See Boicey, James H., assignor.)

Libbey-Owens-Ford Glass Company. (See Lowry, Clyde D., assignor.)

Libbey-Owens-Ford Glass Company. (See Shock, Harry C., assignor.)

Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)

Libbel-Owens-Ford Glass Company. (See White, Gerald, assignor.)

Linberg, Andrew C., Newton Center, assignor to National Gunite Contracting Co., Boston, Mass. Tank lining and method. 2,235,937; Mar. 25.

Linde Air Products Company, The. (See Craig, J. R., and Swartout, assignors.)

Linde Air Products Company, The. (See Swartout, Charles W., assignor.)

Link-Belt Company. (See Sayers, William W., assignor.)

Link-Belt Company. (See Wnechter, Ferdinand F., assignor.)

Lipton, Morris, Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Coating machine. 2,236,239; Mar. 25.

Litle, Thomas J. Jr., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Clothes wringer. 2,236,319; Mar. 25.

Lockshin, Samuel D., Mansfield, Ohio. Automobile accessory. 2,236,435; Mar. 25.

Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Evaporative cooling system for a humidified inclosure. 2,236,480; Mar. 25.

Logan, John O., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Bleaching cellulose. 2,235,837; Mar. 25.

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,236,272; Mar. 25.

Lohner, Carl L., and A. S. Hartanov, assignors to Industrial Patents Corporation, Chicago, Ill. Article handling means. 2,236,103; Mar. 25.

Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Producing reaction products of ammonia and aldose sugars. 2,235,938; Mar. 25.

Lorber, Charles, Louisville, Ky. Finger cushion pencil holder. 2,236,194; Mar. 25.

Losee, Joseph S., Hebron, Ill. Sampling device. 2,236,063; Mar. 25.

Lowen, Stanley, New York, N. Y. Combination container and applicator. 2,236,240; Mar. 25.

Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sash and store front construction. 2,236,003; Mar. 25.

Luce, George E., and W. M. Sheets, assignors, by mesne assignments, to W. M. Sheets, Portland, Oreg. Brush for dentures. 2,236,034; Mar. 25.

Luhrs, John F., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Fractionating tower control. 2,236,035; Mar. 25.

Lund, James K., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Controlling device for the ends of discharge pipes. 2,236,293; Mar. 25.

Lundell, Victor S., Jamestown, N. Y. Ventilator. 2,236,294; Mar. 25.

Lunsford, Leroy C. (See Gibson, B. H., and Lunsford.)

Lyden, Frank J., assignor to The Leland Electric Company, Dayton, Ohio. Condenser induction motor. 2,236,436; Mar. 25.

Lyman, Arthur L., and R. C. Mithoff, Berkeley, Calif. and H. B. Nichols, Larchmont, N. Y., assignors to Standard Oil Company of California, San Francisco, Calif. Catalytic desulphurization of olefin hydrocarbons. 2,236,216; Mar. 25.

Lytle, Arthur R., Niagara Falls, N. Y., assignor to The Oxweld Railroad Service Company. Welding rod. 2,236,148; Mar. 25.

Lytle, Arthur R., Niagara Falls, N. Y., assignor to The Oxweld Railroad Service Company. Welding rod. 2,236,149; Mar. 25.

Maag, Albert, Chicago, Ill. Cupola. 2,235,939; Mar. 25.)

MacKenzie, Joseph B. (See Mickle, R. A., and MacKenzie.)

Mackowiak, Albert, Crookston, Minn. Wheel handling carriage. 2,236,437; Mar. 25.

MacLean, Kenneth G., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra high frequency signaling system. 2,236,004; Mar. 25.

Mahlstedt, John F., Los Angeles, Calif. Pipe locating and protecting means. 2,236,295; Mar. 25.

Maize, James A., assignor to H. B. Stowe, Salt Lake City, Utah, trustee. Method and apparatus for permanent hair waving. 2,235,895; Mar. 25.

Maltby, Sidney T., assignor to Stone Paper Tube Company, Washington, D. C. Tube cutting machine. 2,236,150; Mar. 25.

Mansure, E. L., Company. (See Herrmann, Walter A., assignor.)

Manuel, Forrest M., Washington, D. C. Educational device. 2,236,217; Mar. 25.

Marbon Corporation. (See Kratz, Edouard M., assignor.)

Marggraf, Kurt, Berlin-Pankow, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Damping means for gyroscopic instruments. 2,236,340; Mar. 25.

Markley, George E., Cleveland Heights, Ohio. Vibrator material handling screen mechanism. 2,236,341; Mar. 25.

Marks, Joseph, New Orleans, La. Fly structure for trousers. 2,236,218; Mar. 25.

Marrison, Warren A., Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote indication and control. 2,236,374; Mar. 25.

Marsella, Ferdinando. (See Marsella, Philip F. and F.)

Marsella, Philip F. and F., Seneca Falls, N. Y. Jar wrench. 2,236,342; Mar. 25.

Marsilius, Newman M. (See Good, Joseph S., assignor.)

Martin, Charles A., Berwyn, Ill. Speed regulator. 2,235,838; Mar. 25.

Martin Iron Works. (See McCarty, Raymond O., assignor.)

Martinich, Anthony, and J. Jurkas, Stamford, Conn. Truck. 2,235,940; Mar. 25.

Marvel Equipment Corporation. (See Roethel, John H., assignor.)

Marzetti, Manlio, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy. Radio antenna. 2,236,151; Mar. 25.

Massey, Peter J., River Forest, Ill. Apparatus for coating both sides of a web of paper. 2,236,005; Mar. 25.

Master Builders Company, The. (See Scripture, Edward W., Jr., assignor.)

Mathieson Alkali Works, Inc., The. (See Logan, John O., assignor.)

Mathé, Juan G. (See Hipsley, George W., assignor.)

Mathis, Clyde H. (See Lerch, W. B., Mathis, and Gatchell.)

Matthews, Edgar M., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication cable apparatus mounting. 2,235,896; Mar. 25.

Maxson, William L., South Orange, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Navigator's reference machine. 2,236,375; Mar. 25.

Maxwell, Harold L. (See Vincent-Daviss, C. A., and Maxwell.)

McCarthy, Charles M., Minneapolis, Minn. Fur and fabric whipping machine. 2,236,064; Mar. 25.

McCarty, Raymond O., Los Angeles, Calif., assignor to Martin Iron Works. Canal and ditch gate. 2,236,352; Mar. 25.

McClendon, Harry F., Denver, Colo. Portable shower bath. 2,236,376; Mar. 25.

McEnery, Joseph P., New York, N. Y. Package holder. 2,235,839; Mar. 25.

McGill Manufacturing Company. (See Storz, Otto, assignor.)

McGirr, Theodore B. (See McGirr, Theodore G. and T. B.)

McGirr, Theodore G., Brooklyn, and T. B., New York, N. Y. Transparent container. 2,235,963; Mar. 25.
McGowan, Roger G., Youngstown, Ohio. Locomotive and car wheel grinding machine. 2,236,438; Mar. 25.
McGraw Electric Company. (See Biebel, Herman M., assignor.)
McGraw Electric Company. (See Gomersall, John R., assignor.)
McGraw Electric Company. (See Ireland, Murray, assignor.)
McGraw Electric Company. (See Olson, Henry L., assignor.)
McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Gas outlet box. 2,236,104; Mar. 25.
McKenna, Frank L., Detroit, Mich. Clamp. 2,236,439; Mar. 25.
McKesson, Lewis J., Port Jefferson, N. Y., assignor to Radio Corporation of America. Automatic cathode voltage adjusting device. 2,236,195; Mar. 25.
McKim, James B. (See King, G. V., McKim, and Myers.)
McKissick, John W., Fort Lupton, Colo. Seat. 2,236,152; Mar. 25.
McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Telephone subset arrangement. 2,236,105; Mar. 25.
Meier, Walter R., Lincoln, Nebr. Binding clip. 2,236,106; Mar. 25.
Merck & Co. (See Zima, Otto, assignor.)
Menger, Adolf, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to Plaskon Company, Incorporated, Toledo, Ohio. Preparation of potentially reactive solutions of urea-formaldehyde reaction products. 2,236,184; Mar. 25.
Menter, Ernest E. (See Gruetzmacher, H. A., and Menter.)
Merck & Co., Inc. (See John, W., and Dalmer, assignors.)
Metcalf, Herbert E., Walnut Creek, assignor to E. H. Kneller, Oakland, Calif. Viscosity coupled switch. 2,236,411; Mar. 25.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 2,236,344; Mar. 25.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,236,343; Mar. 25.
Meuly, Walter C., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hydroxy citronellal. 2,235,840; Mar. 25.
Meyer, Gus C., and Paul L. Cox, Denver, Colo. Mold for ice cream or the like. 2,235,964; Mar. 25.
Michaels, Clyde D. (See Jenkins, N. M., Michaels, Robson, and Rodgers.)
Mickl, Josef, Stuttgart, assignor to Dr. Ing. h.c. F. Porsche K.-G., Stuttgart Zuffenhausen, Germany. Internal combustion engine. 2,236,223; Mar. 25.
Mickle, Russell A., and J. B. MacKenzie, Erie, Pa., assignors to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,236,065; Mar. 25.
Middler, Alexander J., Detroit, Mich. Toy vehicle. 2,236,190; Mar. 25.
Miller, Carroll E., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Automatic multiple spindle machine. 2,236,440; Mar. 25.
Miller, Joseph E., and P. L. Osweiler, Oak Park, Ill. Concrete pipe. 2,236,107; Mar. 25.
Miller, Joseph E., Oak Park, and P. L. Osweiler, La Grange, Ill. Concrete pipe. 2,236,108; Mar. 25.
Miller, Ohmer R. (See King, R. E., and Miller.)
Milwaukee Gas Specialty Company. (See Wantz, Clarence, assignor.)
Minich, Arthur, Irvington, and H. Levinson, Elizabeth, N. J., assignors to Nuodex Products Co., Inc. Wetting and dispersing agent. 2,236,296; Mar. 25.
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minser, William D., Seattle, Wash. Fish lure. 2,236,353; Mar. 25.
Mithoff, Robert C. (See Lyman, A. L., Mithoff, and Nichols.)
Monnet, Georges, New York, N. Y. Elastic handle for safety razors. 2,235,841; Mar. 25.
Montgomery, Jesse H., St. Petersburg, Fla. Store service equipment. 2,235,941; Mar. 25.
Moon, Clifford G., Hopedale, Mass., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Fabric. 2,235,842; Mar. 25.
Moore, George A., Oak Park, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Refining corn oil. 2,236,493; Mar. 25.
Moore, George L., Chicago, Ill. Lubricator. 2,235,897; Mar. 25.
Moore, Ray C., Connell, Wash., assignor of one-half to E. C. Brownell, Portland, Oreg. Sacking machine. 2,235,942; Mar. 25.
Moore, Walter B., Coshocton, Ohio. Photographic printing easel. 2,236,197; Mar. 25.
Morgan Construction Company. (See Burns, Bernard L., assignor.)
Morrison, Willard L., Lake Forest, Ill. Automobile ventilating device. 2,236,412; Mar. 25.
Mosel, Joseph H., assignor to The Jaeger Machine Company, Columbus, Ohio. Control valve for water bells. 2,236,320; Mar. 25.
Mossinghoff, Bernard H., Chicago, Ill. Brake device. 2,236,345; Mar. 25.
Mossinghoff, Bernard H., Chicago, Ill. Brake device. 2,236,346; Mar. 25.
Moyer, John D., assignor to Holeproof Hosiery Co., Milwaukee, Wis. Knitted fabric structure. 2,236,248; Mar. 25.
Mueller, Ervin H., Grosse Pointe, Mich. Valve and stem. 2,236,109; Mar. 25.
Müller, Richard, Berlin, Germany. Destroying bacteria. 2,233,843; Mar. 25.
Mulvany, Harry A., Berkeley, Calif. Drying materials. 2,236,606; Mar. 25.
Murray Corporation of America, The. (See Freeman, Lowell C., assignor.)
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Murray Corporation of America, The. (See Schulz, Lorenz C., assignor.)
Murray, Thomas E., Jr., Brooklyn, N. Y. Production of tubular units for broilers and the like. 2,236,185; Mar. 25.
Murray, Thomas E., Jr., Brooklyn, N. Y. Heat exchange. 2,236,186; Mar. 25.
Myers, Oscar. (See King, G. V., McKim, and Myers.)
Mylius, Otto, Berlin, Germany. Change gearing. 2,235,943; Mar. 25.
N. V. Philips' Gloeilampenfabrieken. (See Coeterier, Frederik, assignor.)
Naamlooze Vennootschap. (See Hulsebos, Wichert, assignor.)
Nadal, Albert. (See Serenyi, R., and Nadal.)
Nash-Kelvinator Corporation. (See Doeg, Ralph W., assignor.)
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Nash, Richard L., Franklin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air strainer. 2,236,273; Mar. 25.
National Gunite Contracting Co. (See Linberg, Andrew C., assignor.)
Neldich, George G., New York, N. Y. Duplicating machine. 2,236,442; Mar. 25.
Nelson, Alexander W., Belleville, assignor to Robert F. Darby, Newark, N. J. Sheet feeding machine. 2,235,844; Mar 25
Nelson, George H. (See Hanks, M. W., and Nelson.)
Neocell Products Corporation. (See Brutring, Kurt, assignor.)
Ness, Harold J., Bloomfield, N. J. Welding and brazing. 2,235,965; Mar. 25.
New Wrinkle, Inc. (See Drummond, Folsom E., assignor.)
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Damper operating system. 2,236,249; Mar. 25.
New York Air Brake Company. (See Campbell, Charles A., assignor.)
New York Air Brake Company, The. (See Dodge, Parker, assignor.)
Nichols, Howard B. (See Lyman, A. L., Mithoff and Nichols.)
Niemeyer, James C., St. Paul, Minn. Surveying instrument. 2,235,898; Mar. 25.
Nolan, John R., Larchmont, assignor to The Diamond Match Company, New York, N. Y. Machine for booking matches. 2,235,899; Mar. 25.
Nolan, John R., Larchmont, assignor to The Diamond Match Company, New York, N. Y. Machine for booking matches. 2,235,900; Mar. 25.
North, Geoffrey R. (See Bryan, W., and North.)
North, Thomas H., St. Paul, Minn., assignor to Trans-Lux Movie Ticker Corporation, New York, N. Y. Tape feeding mechanism. 2,235,845; Mar. 25.
North, Thomas H., Bald Eagle, Minn., assignor to Trans-Lux Movie Ticker Corporation, New York, N. Y. Projector. 2,235,846; Mar. 25.
Nova Electric Corporation. (See Katzman, Jacob, assignor.)
Nuodex Products Co. (See Minich, A., and Levinson, assignors.)
Oak Mfg Co. (See Dahlstrom, Arvid, assignor.)
Oboler, Louis, Chicago, Ill. Gauge. 2,236,443; Mar. 25.
Oldham, John M., Pleasant Ridge, assignor to L. A. Young, Detroit, Mich. Cushion structure. 2,236,007; Mar. 25.
Olson, Henry L., assignor to McGraw Electric Company, Elgin, Ill. Voltage controlled toaster timer. 2,236,377; Mar. 25.
O'Neill, George D., Beverly, Mass., assignor to Hygrade Sylvania Corporation, Emporium, Pa. Electron tube and the like. 2,236,036; Mar. 25.
Osborne, Fred H., Snyder, assignor to The Rudolf Wurlitzer Company, North Tonawanda, N. Y. Coin-controlled apparatus. 2,236,198; Mar. 25.
Ostrander, Joel W., Chicago, Ill. Loose-leaf binder. 2,236,321; Mar. 25.
Osweiler, Paul L. (See Miller, J. E., and Osweiler.)
Overstrom, Conrad. (See Overstrom, Gustave A., G., and C.)
Overstrom, George. (See Overstrom, Gustave A., G., and C.)

Overstrom, Gustave A., and G., Eagle Rock, and C. Overstrom, Altadena, Calif. Vibrating screen. 2,236,378; Mar. 25.
Owens, Charles H., Edgewater, N. J. Vinegar generator. 2,236,153; Mar. 25.
Oxweld Railroad Service Company, The. (See Lytle, Arthur R., assignor.)
Oxweld Railroad Service Company, The. (See Lytle, Athur R., assignor.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Parker, Arthur L. (See Bates, Alfred O., assignor.)
Patrick, Isaac, Brooklyn, and W. Klocke, Woodhaven, said Patrick assignor to E. W. Bliss Company, Brooklyn, N. Y. Press combination having means for avoiding jamming. 2,236,154; Mar. 25.
Pavey, Clarence A., Seattle, Wash. Smoking pipe. 2,235,847; Mar. 25.
Pense, Anthony Equipment Company. (See Kleinschmidt, Robert V., assignor.)
Penn, Frederic H., Dallas, Tex. Method and composition for improving milling products. 2,236,322; Mar. 25.
Penney, Walter, Colonie, N. Y. Paint pail and brush holder. 2,236,187; Mar. 25.
Penniman, Nicholas G., III, executor. (See Penniman, William B. D.)
Penniman, William B. D., Baltimore, Md., deceased, Nicholas G. Penniman, III, executor. Rust prevention and removal. 2,235,944; Mar. 25.
People in the territory of the United States. (See Kennedy, Melvin S.)
Perelson, Harold N., Ozone Park, and S. Smigel, New York, N. Y. Attachment to hypodermic syringe for injecting drugs from ampoules. 2,236,110; Mar. 25.
Perroux, Georges E. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Radio guiding system. 2,235,815; Mar. 25.
Petersen Oven Company. (See Cook, John Y., assignor.)
Petersen, Thomas P., Lake Wales, Fla. Fruit picker's bag. 2,236,199; Mar. 25.
Peterson, Arthur H. (See Peterson, Clarence J., and A. H.)
Peterson, Clarence J., and A. H., Meriden, Conn. Self-cooling buffing wheel. 2,236,444; Mar. 25.
Petit, Laurence A., Chicago, Ill. Carbon pack for manifolding typewriters. 2,236,155; Mar. 25.
Pfeiffer, William H., Woodside, N. Y., assignor to Gemex Company, Newark, N. J. Drying process. 2,236,445; Mar. 25.
Philadelphia Metal Works, Incorporated. (See Guggenheim, Paul, assignor.)
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,236,111; Mar. 25.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,236,112; Mar. 25.
Phillips, Petroleum Company. (See Lerch, W. B., Mathis and Gatchell, assignors.)
Pierce, John B., Foundation. (See Davison, Robert L., assignor.)
Pineo, Orrin W., Milo, Maine, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Monochromator. 2,236,879; Mar. 25.
Pines, Herman. (See Ipatieff, V. N., and Pines.)
Pirnat, Fred, and Philip Pirnat, Colorado Springs, Colo. Typewriter key guide. 2,236,413; Mar. 25.
Pirnat, Philip. (See Pirnat, Fred, and P.)
Plaskon Company, Inc. (See Menger, Adolf, assignor.)
Poch, Waldemar J., Collingswood, N. J., assignor to Radio Corporation of America. Television apparatus. 2,236,066; Mar. 25.
Pondelick, Joseph. (See Kotchi, C. J., and Pondelick.)
Poole, Sydney H., Radcliffe, near Manchester, England. Apparatus for removing sludge from sewage tanks and the like. 2,236,128; Mar. 25.
Porsche, F., Dr. Ing. h. c. f., K.-G. (See Mickl, Josef, assignor.)
Poth, Edgar J., San Francisco, Calif., assignor to The Board of Trustees of the Leland Stanford Junior University. Apparatus for the cutting of skin grafts. 2,236,067; Mar. 25.
Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Seal bearing. 2,236,200; Mar. 25.
Prater, Ralph, Hinsdale, Ill. Mixer. 2,236,219; Mar. 25.
Pratt, Henry, Company. (See Grimm, Carl W., assignor.)
Prevost, G. Mallet. (See Baker, Floyd J., assignor.)
Proctor & Schwartz, Incorporated. (See Hurzthal, Alphens O., assignor.)
Purcl, John G., Westerly, R. I. Comb. 2,236,446; Mar. 25.
Pure Oil Company, The. (See Williams, Norman D., assignor.)
Quamma, Martin, San Diego, assignor to Van Camp Sea Food Co., Inc., Terminal Island, Calif. Preparing food products. 2,236,113; Mar. 25.
Radio Corporation of America. (See Demuth, Galan W., assignor.)
Radio Corporation of America. (See MacLean, Kenneth G., assignor.)
Radio Corporation of America. (See McKesson, Lewis J., assignor.)
Radio Corporation of America. (See Poch, Waldemar J., assignor.)
Radio Corporation of America. (See Zimmerman, Arthur G., assignor.)
Raisler, John, Beach, N. Dak. Ash tray. 2,236,156; Mar. 25.
Randl, George, Idaho Springs, Colo. Wind recording device. 2,236,114; Mar. 25.
Rapp, William H., New Rochelle, N. Y. Reflector sign. 2,236,068; Mar. 25.
Raschkind, Joshua, New York, N. Y. Tablet container and dispenser. 2,236,224; Mar. 25.
Rausch, Joseph, Oak Park, assignor to Classroom Laboratories, Inc., Chicago, Ill. Motion picture projector apparatus. 2,236,380; Mar. 25.
Raybestos-Manhattan, Inc. (See Moon, Clifford G., assignor.)
Ren, Wilton T., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact chatter measuring device. 2,236,157; Mar. 25.
Reach, Milton B., Springfield, Mass. Athletic implement. 2,236,414; Mar. 25.
Reconstruction Finance Corporation. (See Maxson, William L., assignor.)
Reid, Aaron C., Benson, Ariz. Holder for toilet articles. 2,235,945; Mar. 25.
Reid, Paul R. (See Buskirk, Lee S., and Reid.)
Reid, Ralph A., Nahant, Mass., assignor to General Electric Company. Traffic signal timer. 2,236,297; Mar. 25.
Reid, Ralph A., Nahant, Mass., assignor to General Electric Company. Traffic signal controller. 2,236,298; Mar. 25.
Reid, Ralph A., Nahant, Mass., assignor to General Electric Company. Traffic signal controller. 2,236,299; Mar. 25.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Company. Atomizer. 2,235,946; Mar. 25.
Reiners, Walter. (See Reiners, Wilhelm and W., and Kahlisch.)
Reiners, Wilhelm, and W. Reiners, Gladbach-Rheydt, and G. Kahlisch, Rheydt, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cop winding machine with independent winding points. 2,236,300; Mar. 25.
Reis, Arthur M., assignor to Robert Reis & Co., New York, N. Y. Man's undergarment. 2,235,848; Mar. 25.
Reis, Arthur M., assignor to Robert Reis & Co., New York, N. Y. Man's undergarment. 2,235,849; Mar. 25.
Reis, Robert, & Co. (See Reis, Arthur M., assignor.)
Renault, Louis. (See Salves, Leon, assignor.)
Rice, Chester W., and De W. S. Snell, Schenectady, N. Y., assignors to General Electric Company. Liquid film seal. 2,236,274; Mar. 25.
Rich, Henry S., Jr. (See Weien, Paul, assignor.)
Rich Manufacturing Company. (See Rich, Maurice, Jr., assignor.)
Rich, Maurice, Jr., assignor to Rich Manufacturing Company, Clinton, Iowa. Musical toy. 2,236,381; Mar. 25.
Rich, Russell H., assignor to The General Industries Company, Elyria, Ohio. Phonograph mechanism. 2,236,275; Mar. 25.
Richter, Herman W., Bridgewater, Mass. Molded shoe heel and making same. 2,236,354; Mar. 25.
Riley Stoker Corporation. (See Kuhner, Max H., assignor.)
Roberge, Philip L., South St. Paul, Minn. Scabbard. 2,236,382; Mar. 25.
Robinson, Frederick J., Detroit, Mich. Window frame construction. 2,236,250; Mar. 25.
Robinton, Frank A., Hartford, Conn., assignor to Universal Camera Corporation, New York, N. Y. Camera. 2,236,069; Mar. 25.
Robson, Frederick. (See Jenkins, N. M., Michaels, Robson, and Rodgers.)
Rockefeller, John W., Jr., Short Hills, N. J. Spring. 2,236,158; Mar. 25.
Rodgers, Clarence A., Indianapolis, Ind. Process and machine for preparing battery plate binders. 2,236,220; Mar. 25.
Rodgers, Howard C. (See Jenkins, N. M., Michaels, Robson, and Rodgers.)
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,236,447; Mar. 25.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,236,448; Mar. 25.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Ventilating window guide. 2,236,449; Mar. 25.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,236,450; Mar. 25.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,236,451; Mar. 25.
Rogers, Clayton T., Chevy Chase, Md., assignor to H. Geiger, Philadelphia, Pa. Alloy. 2,236,452; Mar. 25.
Rogers, John C., Oak Park, assignor to Crown Stove Works, Cicero, Ill. Stove top cover. 2,236,008; Mar. 25.
Rohrdanz, John D., Harvey, Ill. Fishing rod holder. 2,236,070; Mar. 25.
Romao, August, San Francisco, Calif. Electric dry shaver. 2,236,159; Mar. 25.

Rönnberg, Daniel, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric circuit breaker. 2,235,901; Mar. 25.

Rose, Edwin L., assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,236,489; Mar. 25.

Roskam, Albert J., Culver City, and W. R. Spiess, Venice, Calif. Jack-o'-lantern battery and lamp bulb holder. 2,236,071; Mar. 25.

Rossander, Swanie S. (See Hitch, E. F., Rossander, and Sparks.)

Royal Robes, Inc. (See Greenberg, Harry H., assignor.)

Rubinstein, Harry W., and H. L. Zimmerman, assignors to Globe-Union Inc., Milwaukee, Wis. Electrical control device. 2,236,072; Mar. 25.

Rubissow, George A., New York, N. Y. Throttle actuating device. 2,235,850; Mar. 25.

Rubissow, George A., New York, N. Y. Throttle actuating device. 2,235,851; Mar. 25.

Rubissow, George A., New York, N. Y. Accelerator pedal actuating device. 2,235,852; Mar. 25.

Rupp, Albert, Berlin-Sudende, Germany. Screw propeller. 2,236,201; Mar. 25.

Russell, Robert C., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. No-neutral shift device. 2,236,355; Mar. 25.

Russell, Robert C., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Servo brake mechanism. 2,236,415; Mar. 25.

Russell, Theodore, Naugatuck, Conn. Package of sash chains. 2,236,383; Mar. 25.

Rutherford, Francis H., assignor to Detroit Brass & Malleable Works, Detroit, Mich. Valve structure. 2,236,009; Mar. 25.

Saco-Lowell Shops. (See Kennedy, John A., assignor.)

Safety Car Heating and Lighting Company, Inc. (See Haddad, Labeeb B., assignor.)

St. Joe Machines, Inc. (See Frohwitter, William G., assignor.)

St. John, Howard K., Oklahoma City, Okla. Treatment of plant roots. 2,235,950; Mar. 25.

Salves, Leon, assignor to L. Rennault, Billancourt, France. Gaseous cementation of steel pieces. 2,235,947; Mar. 25.

Samer, Henry A., Ludlow, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Panelboard construction. 2,236,301; Mar. 25.

Samuels, Arthur, New York, N. Y. Flashlight. 2,236,384; Mar. 25.

Sandbakken, Louis P. (See Helgeson, Oscar C., assignor.)

Sanymetal Products Co. Inc., The. (See Daugherty, Clyde J., assignor.)

Savage, Jack X., York, Nebr. Protective corner pull for window shades. 2,236,453; Mar. 25.

Sayers, William W., Chicago, Ill., assignor to Link-Belt Company. Conveyer. 2,235,854; Mar. 25.

Schack, Helene A., St. Paul, Minn. Support for electrically heated sadiron. 2,236,073; Mar. 25.

Schellenger, Newton C., El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Switch. 2,235,902; Mar. 25.

Schlafhorst, W., & Co. (See Reiners, Wilhelm, and W., and Kahlsche, assignors.)

Schneider, Martin, New York, N. Y. Plug connector. 2,236,385; Mar. 25.

Schönfelder, Kurt, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Core structure for dynamoelectric machines. 2,235,903; Mar. 25.

Schulz, Lorenz C., assignor to The Murray Corporation of America, Detroit, Mich. Seat track. 2,235,904; Mar. 25.

Schwartz, Fernand F., Paris, France, assignor to American Ecla Corporation, Dover, Del. Waterproofing of textile materials. 2,236,074; Mar. 25.

Schwartzman, Daniel B., Jersey City, N. J. Garment bag. 2,236,115; Mar. 25.

Schwisow, Arnold J., Hopkins, Minn. Perforating, scoring, and punching attachment for printing presses. 2,235,948; Mar. 25.

Scott, Edward C. (See Brescka, R. S., and Scott.)

Scott, Harry A., assignor to H. A. Eggerss, Van Wert, Ohio. Container. 2,236,302; Mar. 25.

Scovill Manufacturing Company. (See Williams, Selden T., assignor.)

Scripture, Edward W., Jr., Cleveland Heights, assignor to The Master Builders Company, Cleveland, Ohio. Cement mix. 2,236,251; Mar. 25.

Seaman, Leo V., Phoenix, Ariz. Tube punching machine. 2,236,160; Mar. 25.

Sekella, Yonston, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Mechanical time fuse. 2,236,037; Mar. 25.

Selvig, John N., Westfield, N. J., and J. E. Wiltrakis, assignors to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,236,010; Mar. 25.

Serenyi, Richard, and Albert Nadal, Zurich, Switzerland. Manufacture of seamless hollow bodies of plastic masses. 2,236,416; Mar. 26.

Shanley, William B. (See Wirth, C., III, and Shanley.)

Shaw, Edward L., Brookline, assignor to Shawlock, Inc., Boston, Mass. Lock, coupling, and the like. 2,235,949; Mar. 25.

Shawlock, Inc. (See Shaw, Edward L., assignor.)

Sheets, William M. (See Luce, G. E., and Sheets, assignors.)

Shelton, Mrs. J. C. et al. (See Combs, Chester A., assignor.)

Sherwood, Eben E., Evanston, Ill. Fish bait. 2,235,905; Mar. 25.

Shock, Harry C., Charleston, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for cracking and handling glass sheets. 2,236,011; Mar. 25.

Shockley, William, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,236,012; Mar. 25.

Shoemaker, Raymond B. (See Gray, Emanuel, assignor.)

Shwayder, Ben, Ecorse, Mich. Machine for making rivets. 2,236,221; Mar. 25.

Siekmann, Harold J. (See Groene, W. F., and Siekmann.)

Siemann, Henry M., assignor of forty-nine per cent to E. De Muth, Fort Lupton, Colo. Harvester for plants of the beet type. 2,236,075; Mar. 25.

Siemens Apparate und Maschinen Gesellschaft mit beschränkter. (See Marggraf, Kurt, assignor.)

Silber, Louis, Cleveland, Ohio. No-shank pipe. 2,236,076; Mar. 25.

Silberstang, Jacob, New York, N. Y. Honing or sharpening device for cloth cutting machines. 2,236,038; Mar. 25.

Simms Motor Units Limited. (See Bryan, W., and North, assignors.)

Singer Manufacturing Company, The. (See Card, Frederic M., assignor.)

Sisson, Vinton E., Winnetka, Ill., assignor, by mesne assignments to Standard Railway Equipment Manufacturing Company. Walk for railway car roofs. 2,236,356; Mar. 25.

Skinner, Clifton R., and F. P. Willcox, San Francisco, Calif., assignors to The Folmer Graflex Corporation, Rochester, N. Y. Photographic printer for restitutional enlarging, and other purposes. 2,236,303; Mar. 25.

Skoning Corporation. (See Skoning, John H. S., assignor.)

Skoning, John H. S., East Providence, assignor to Skoning Corporation, Providence, R. I. Apparatus for molding. 2,235,906; Mar. 25.

Smigel, Sebastian. (See Perelson, H. N., and Smigel.)

Smith, Clyde, Hopkinsville, Ky., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Automatic stock quotation board. 2,236,077; Mar. 25.

Smith, Elberon D., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Rod former tongue for cigarette machines. 2,235,853; Mar. 25.

Smith, Karl D., assignor to American-Marsh Pumps, Inc., Battle Creek, Mich. Homogenizer. 2,236,013; Mar. 25.

Smith, Karl D., assignor to American-Marsh Pumps, Inc., Battle Creek, Mich. Packing for pumps. 2,236,014; Mar. 25.

Smyth, Charles N., Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y. Television receiver. 2,236,222; Mar. 25.

Snavely, Thomas J., Peabody, assignor to American Optical Company of Southbridge, Mass. Ophthalmic mounting. 2,236,304; Mar. 25.

Snell, De Witt S. (See Rice, C. W., and Snell.)

Societe Anonyme des Anciens Etablissements Hotchkiss & Cie. (See Dugied, Eugène A., assignor.)

Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint Gobain, Chauny & Cirey. (See Borel, Edouard V., assignor.)

Societe Anonyme die: Societe Francaise de Munitions, de Chasse de Tir et de Guerre (Anciens Etablissements Gevelot et Gaupillat. (See Veber, Leon, assignor.)

Sola, Joseph G., Oak Park, Ill. Starting and operating means for gaseous discharge devices. 2,236,039; Mar. 25.

Solberg, Thor, Brooklyn, N. Y. Construction and building of houses, garages, ships, and the like. 2,236,116; Mar. 25.

Sonnentag, Theodor, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Homing impulse direction finder. 2,236,015; Mar. 25.

Spainhour, Joseph F., Jr., Morganton, N. C., assignor of one-fourth to Nelson J. Jewett, Arlington County, Va. Process of producing colored prints. 2,236,417; Mar. 25.

Spangler, John A., Benton Harbor, Mich. Folding machine for basket fringe or trim strips and the like. 2,236,252; Mar. 25.

Sparks, Chiles E. (See Hitch, E. F., Rossander, and Sparks.)

Sperry Gyroscope Company, Inc. (See Chafee, Earl W., assignor.)

Spiess, Willard R. (See Roskam, A. J., and Spiess.)

Spong, Norman. (See Burson, Harry H., assignor.)

Stachowiak, William J., Huntington Park, Calif. Scraper. 2,236,323; Mar. 25.

Stahly, Grant L., and W. W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del. Organic solvent soluble benzyl ether of dextran. 2,236,386; Mar. 25.

Stambaugh, Kenneth O., Zanesville, Ohio. Lifter for pans. 2,236,454; Mar. 25.

Stancliffe, Cecil W., assignor of one-half to Winget Limited, Rochester, England. Tank for containing liquids. 2,236,347; Mar. 25.

Standard Conveyor Company. (See Eggleston, Smith, assignor.)

Standard Oil Company of California. (See Lyman, A. L., Mithoff, and Nichols, assignors.)

Standard Oil Development Company. (See Howard, Frank A., assignor.)

Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)

Standard Oil Development Company. (See Williams, Milton, assignor.)

Standard Railway Equipment Manufacturing Company. (See Sisson, Vinton E., assignor.)

Standard Railway Equipment Manufacturing Company. (See West, Victor E., assignor.)

Standard Railway Refrigerator Company. (See Bonsall, Charles D., assignor.)

Standard Stoker Company, The. (See Mickle, R. A., and MacKenzie, assignors.)

Stanzel, Victor, Schulenburg, Tex. Control for miniature airplanes. 2,236,348; Mar. 25.

Stechhart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Incandescent electric lamp socket. 2,236,357; Mar. 25.

Steenbeck, Max, Berlin-Siemensstadt, assignor to Fides Gesellschaft für die Verweltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Oscillation generator. 2,236,016; Mar. 25.

Stetz, Wilbur A., Fullerton, Pa. Signal for bicycles. 2,236,455; Mar. 25.

Stewart, Clyde E., Upper Darby, Pa., assignor to General Electric Company. Sequence control system. 2,236,276; Mar. 25.

Stockham, William R., Jr., Burbank, Calif. Airplane construction set. 2,236,456; Mar. 25.

Stone Paper Tube Company. (See Maltby, Sidney T., assignor.)

Storz, Otto, assignor to McGill Manufacturing Company, Valparaiso, Ind. Self-contained roller bearing. 2,236,481; Mar. 25.

Stover, Clyde N. (See Lerch, B. W., and Stover.)

Stowe, Harry B., as trustee. (See Maize, James A., assignor.)

Stratton, Philip B., assignor to Kirsch Company, Sturgis, Mich. Drapery hardware. 2,236,017; Mar. 25.

Strauss, Albert A., Pittsburgh, Pa. Bookbinding. 2,236,117; Mar. 25.

Strickland, Alton, Middlesex, N. C. Whippletree. 2,236,457; Mar. 25.

Stryker, Emma G., et al. (See Stryker, William H., assignor.)

Stryker, William H., assignor, by mesne assignments, to W. H. and E. G. Stryker, Elmhurst, Ill. Brace means for pivoted closure. 2,236,040; Mar. 25.

Stuart, Harve R., Springfield, Ohio, assignor of one-half to L. Illmer, Cortland, N. Y. Automatic signal controller. 2,236,161; Mar. 25.

Sturtevant, George R., Lynn, Mass., assignor to General Electric Company. Protection of permanent magnets in meters. 2,236,277; Mar. 25.

Summers, Otto M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,235,966; Mar. 25.

Sunday, James J., Detroit, Mich. Heating system. 2,235,967; Mar. 25.

Swank, Inc. (See Bowder, David H., assignor.)

Swanson, Carl O., Minneapolis, Minn. Pitcher. 2,236,018; Mar. 25.

Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,236,459; Mar. 25.

Swartout, Charles W. (See Craig, J. R., and Swartout.)

Swartout, Charles W., Kenmore, N. Y., assignor to The Linde Air Products Company. Coating molds and products thereof. 2,236,118; Mar. 25.

Syndicate "Jozijdhoff." See de Jonge, Leonardus, assignor.)

Taylor Instrument Companies. (See Brown, William J., assignor.)

Taylor Instrument Companies. (See Detwiler, Joseph S., assignor.)

Taylor Instruments Companies. (See Hubbard, K. H., and Brown, assignors.)

Teal, Gordon K., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,236,041; Mar. 25.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Sonnentag, Theodor, assignor.)

Terrell Machine Company, The. (See Deal, Caleb P., assignor.)

Terwilliger, Glendon H., Oakland, Calif. Orthodontic bracket. 2,236,042; Mar. 25.

Testori, John B., Detroit, Mich. Leakproof valve. 2,236,253; Mar. 25.

Thomas, Edward, Cleveland, Ohio. Wiping device. 2,236,460; Mar. 25.

Thomas, Laurence H. (See Kuhn, F., and Thomas.)

Thomas, Luther B., Memphis, Tenn. Interchangeable neon sign letter. 2,236,324; Mar. 25.

Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Hoist. 2,236,019; Mar. 25.

Thompson, Harold O., Doland, S. Dak. Fire extinguisher. 2,235,951; Mar. 25.

Thornton, Ray U., New Bedford, Mass. Drive for warper beams. 2,236,188; Mar. 25.

Thorpe, Frank C., Lamar, Mo. Twine cone display support. 2,236,020; Mar. 25.

Thorpe, Frank C., Lamar, Mo. Twine cone support. 2,236,021; Mar. 25.

Thunell, Karl H., S. D. Vigren, and P. H. E. Claesson, Stockholm, Sweden. Signaling system for communication channels with pulsating currents over tube repeating amplifiers. 2,236,225; Mar. 25.

Thurman, Joseph C., St. Louis, Mo. Ore pulverizer. 2,235,968; Mar. 25.

Timmer, Frederick E. (See Cregor, N. M., Timmer, and Allen.)

Toms, Cleveland B., Fredericktown, Ohio. Replaceable wear shoe for mowers. 2,235,952; Mar. 25.

Tondreau, Albert W., Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Contact printer. 2,235,907; Mar. 25.

Tousley, Nelson E., Waban, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Antiskid footwear tread. 2,236,278; Mar. 25.

Toussaint, Norbert F., Philadelphia, H. J. R. Gaspari, Blawnox, and H. A. Ambrose, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Lubricant for internal combustion engines. 2,236,120; Mar. 25.

Tracy, Michael J., Robertson, Mo., assignor to Decatur Iron and Steel Company, Decatur, Ala. Locking mechanism for cell doors. 2,236,043; Mar. 25.

Trans-Lux Movie Ticker Corporation. (See North, Thomas H., assignor.)

Treadwell, M. H., Company. (See Eppensteiner, William F., assignor.)

Trevor, Godfrey H., Vancouver, British Columbia, Canada. Rope socket. 2,236,022; Mar. 25.

Trimstik Company. (See Ahlin, Philip O., assignor.)

Trumbull Electric Manufacturing Co., The, Pacific Division. (See Lamel, A. E., and Coburn, assignors.)

Trumbull Electric Manufacturing Company, The. (See Samer, Henry A., assignor.)

Turnbull, Francis W., Chattanooga, Tenn. Ice cream cone dispenser. 2,235,855; Mar. 25.

Turner, Edwin B., Wellington, Ohio. Fish lure. 2,236,023; Mar. 25.

Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 2,236,121; Mar. 25.

Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 2,236,122; Mar. 25.

Tyler, Tracy B., Chicago, Ill. Tobacco pouch. 2,236,024; Mar. 25.

Tyne Co. (See Tyne, John J., assignor.)

Tyne, John J., Oak Park, assignor to Tyne Co., Chicago, Ill. Threading machine. 2,235,908; Mar. 25.

Union Steel Products Company. (See Bitney, Dewey H., assignor.)

United Elastics Limited. (See Vorck, Theodor, assignor.)

United Shoe Machinery Corporation. (See Brandt, Francis L., assignor.)

United Shoe Machinery Corporation. (See Lane, H., and Hazelton, assignors.)

United Shoe Machinery Corporation. (See Winslow, Bulkeley F., assignor.)

United States Rubber Company. (See Castricum, M., and Kennedy, assignors.)

United States Rubber Company. (See Coe, E. M., and Curtiss, assignors.)

United States Rubber Company. (See Curtis, Gordon W., assignor.)

United States Rubber Company. (See Wilson, Thomas L., assignor.)

Universal Camera Corporation. (See Robinton, Frank A., assignor.)

Universal Cooler Corporation. (See Higham, William W., assignor.)

Universal Oil Products Company. (See Alther, Joseph G., assignor.)

Universal Oil Products Company. (See Ipatieff, V. N., and Pines, assignors.)

Universal Oil Products Company. (See Wirth, C., III, and Shanley, assignors.)

Universal Winding Company. (See Jacobson, Walter V., assignor.)

Universal Winding Company. (See Swanson, Ernest R., assignor.)

Urschel, Gerald W. (See Urschel, William E. and G. W.)

Urschel, William E., and G. W., Valparaiso, Ind. Projectometer. 2,236,226; Mar. 25.

Van Alphen, Pieter M. (See Bergmans, J., Lamberts, and Van Alphen.)

Van Camp Sea Food Co. (See Quamma, Martin, assignor.)

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Support. 2,236,045; Mar. 25.

Vanderveld, Anthony, Grand Rapids, and E. L. Clouse, Comstock Park, assignors to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Shelf support. 2,236,044; Mar. 25.

Veber, Léon, assignor to Societe Anonyme dite: Societe Francaise de Munitions, de Chasse de Tir et de Guerre (Anciens Etablissements Gevelot et Gaupillat), Paris, France. Torpedo for signaling on railroads or for other uses. 2,236,189; Mar. 25.
Vegex, Incorporated. (See Cregor, N. M., Timmer and Allen, assignors.)
Verriour, Stanley J., Watford, England. Preparing composite negatives for use in the production of photogravure and rotogravure printing forms. 2,236,458; Mar. 25.
Vigren, Sten D. (See Thunell, K. H., Vigren, and Claesson.)
Villasuso, Armando S., Ingenio Concepcion, Tucuman, Argentina. Clarifying apparatus for sugar cane juice and other sugary products. 2,236,202; Mar. 25.
Vincent-Davies, Cedric A., and H. L. Maxwell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Prevention of season cracking of brass. 2,235,828; Mar. 25.
Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Hand-welding tool. 2,236,162; Mar. 25.
Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Electric terminal device. 2,236,279; Mar. 25.
Von Pierce, John, Knoxville, Tenn. Warm air furnace cleaner. 2,236,123; Mar. 25.
Vorck, Theodor, assignor to United Elastics Limited, London, England. Knitting needle. 2,236,325; Mar. 25.
Waechter, Ferdinand F., Philadelphia, Pa., assignor to Link-Belt Company. Casing head section for conveyer-elevators. 2,235,856; Mar. 25.
Wald, Julius H., Chicago, Ill. Shielding holder for fruit. 2,235,909; Mar. 25.
Wallace, John H., Jr., Princeton, N. J., and W. C. Hand, New York, N. Y., said Hand assignor to said Wallace. Perspiration inhibiting composition. 2,236,387; Mar. 25.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Fleshing machine. 2,236,078; Mar. 25.
Wantz, Clarence, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Valve. 2,236,227; Mar. 25.
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Wasberg, Axel, assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway car door structure. 2,236,228; Mar. 25.
Waterbury Tool Company, The. (See Rose, Edwin L., assignor.)
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,236,046; Mar. 25.
Wattleworth, John C., assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Apparatus for machining opposed ends of a workpiece. 2,236,047; Mar. 25.
Watts, George W., Indianapolis, Ind. Deep fat cooker. 2,236,048; Mar. 25.
Wayman, Albert J., Youngstown, Ohio. Combined service cap and lightning arrester. 2,236,326; Mar. 25.
Weiea, Paul, assignor of one-half to Henry S. Rich, Jr., Marietta, Pa. Drive for signal switches. 2,236,280; Mar. 25.
Welch, Paul V., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,235,910; Mar. 25.
Wellman Company. (See Hogan, William E., assignor.)
Wells, Walter A., Washington, D. C. Atomizer. 2,236,124; Mar. 25.
West, Victor E., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa. Refrigerator car structure. 2,236,388; Mar. 25.
Westad, George E., Scotia, N. Y. Carrier for skis and similar articles. 2,236,025; Mar. 25.
Westcamp, Leslie L., Elk Creek, Calif. Door closure control assembly. 2,236,026; Mar. 25.
Western Electric Company, Incorporated. (See Breseka, R. S., and Scott, assignors.)
Western Electric Company. (See Lerch, B. W., and Stover, assignors.)
Western Electric Company. (See Selvig, J. N., and Wiltrakis, assignors.)
Westinghouse Air Brake Company, The. (See Cameron, Mortimer B., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See Nash, Richard L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allard, Arthur R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schönfelder, Kurt, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Wrapper carrier operating mechanism. 2,235,857; Mar. 25.
White, Gerald, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for the manufacture of bent tempered sheets of glass. 2,235,969; Mar. 25.
Whitfield, William B., Huntsville, Ala. Apparatus for applying road rollers to convertible vehicles. 2,235,953; Mar. 25.
Whitlock, Stanley J. (See Besler, W. J., and Whitlock.)
Whitney, Kenneth E., Baltimore, Md., and R. R. Chappell, Richmond, Va., assignors to Bendix Aviation Corporation, South Bend, Ind. Effective temperature indicator. 2,235,954; Mar. 25.
Wiezevich, Peter J., Elizabeth, N. J., now, by judicial change of name, P. J. Gaylor, assignor to Standard Oil Development Company. Preparing mixed ester anhydrides. 2,236,125; Mar. 25.
Wilcox, Albert C., Minerva, Ohio. Electric casserole. 2,235,911; Mar. 25.
Willcox, Frederick P. (See Skinner, C. R., and Willcox.)
Williams, Ira, Borger, Tex., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vucanization of rubber. 2,236,389; Mar. 25.
Williams, Milton, Houston, Tex., assignor to Standard Oil Development Company. Addition agent for enhancement of the properties of drilling muds. 2,235,955; Mar. 25.
Williams, Norman D., assignor to The Pure Oil Company, Chicago, Ill. Halogenated extreme pressure lubricant. 2,235,860; Mar. 25.
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Three-way distributing valve. 2,235,858; Mar. 25.
Williams, William A. (See Bowen, R. H., and Williams.)
Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electric valve converting apparatus. 2,236,254; Mar. 25.
Willman, Charles A., Ontonagon, Mich. Measuring and dispensing device. 2,236,203; Mar. 25.
Wilputte Coke Oven Corporation. (See Freeman, Benjamin A., assignor.)
Wilputte Coke Oven Corporation. (See Wilputte, Louis, assignor.)
Wilputte, Louis, New Rochelle, assignor to Wilputte Coke Oven Corporation, New York, N. Y. Underfired coke oven. 2,235,970; Mar. 25.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Single-sideband modulated-carrier receiver. 2,235,859; Mar. 25.
Wilson, Thomas L., Cedar Grove, N. J., assignor to United States Rubber Company, New York, N. Y. Organolite. 2,235,971; Mar. 25.
Wilson, Walter J., Petersburg, Ind. Articulator. 2,236,204; Mar. 25.
Wiltrakis, Joseph E. (See Selvig, J. N., and Wiltrakis.)
Wincharger Corporation. (See Albers, Gerhard H., assignor.)
Winget Limited. (See Stancliffe, Cecil W., assignor.)
Winslow, Hulkeley F., Brookline, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sheet of abrasive material. 2,235,912; Mar. 25.
Wipper, Frank F., assignor of ten percent to L. B. Call, Fresno, Calif. Wall bolt. 2,236,079; Mar. 25.
Wirth, Charles, III, and W. B. Shanley, assignors to Universal Oil Products Company, Chicago, Ill. Sweetening gasoline. 2,236,080; Mar. 25.
Wolfe, Arthur L., Racine, Wis. Fish lure and the manufacture thereof. 2,236,241; Mar. 25.
Wolfert, Edward R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,236,190; Mar. 25.
Wolfert, Edward R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,236,191; Mar. 25.
Wood, Fred E., River Forest, and H. Dawson, Evanston, Ill. Light recording apparatus. 2,236,390; Mar. 25.
Wood, Fredric E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,235,861; Mar. 25.
Wood, John L., Sacramento, Calif. Annunciator means. 2,236,081; Mar. 25.
Woodling, George V., et al. (See Jackman, Elmer F., assignor.)
Worden-Allen Company. (See Burgess, Edward W., assignor.)
Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Rotary folding mechanism. 2,236,229; Mar. 25.
Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate holding and tensioning mechanism. 2,236,230; Mar. 25.
Wright, Carl G., Cambridge, Ohio. Belt conveyer. 2,236,205; Mar. 25.
Wright, James H., Chicago, Ill. Building construction. 2,236,082; Mar. 25.
Wrought Washer Mfg. Co. (See Gisske, Walter P., assignor.)
Wuotila, Frank A., Floodwood, Minn. Advertising device. 2,236,049; Mar. 25.
Wurlitzer, Rudolf, Company, The. (See Osborne, Fred H., assignor.)

Young, Frank A., Meriden, Conn., assignor to General Motors Corporation, Detroit, Mich. Control unit. 2,236,255; Mar. 25.
Young, L. A. (See Oldham, John M., assignor.)
Zabel, Frederick R., New York, N. Y. Locking device. 2,236,391; Mar. 25.
Zeiss, Jena. (See Gunther, Norbert, assignor.)
Zima, Otto, Darmstadt, Germany, assignor to Merck & Co., Inc., Rahway, N. J. Preparation of pyrimidine-thiazole compounds. 2,235,862; Mar. 25.
Zimmerman, Arthur G., Indianapolis, Ind., assignor to Radio Corporation of America. Sound motion picture apparatus. 2,235,972; Mar. 25.
Zimmerman, Herbert L. (See Rubinstein, H. W., and Zimmerman.)
Zindel, Ernst, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Airplane cabin. 2,236,482; Mar. 25.
Zwickel, Elmer L., Chicago, Ill., assignor to Acco Products, Inc., Long Island City, N. Y. Fastener. 2,236,126; Mar. 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Mastics to mastic applying guns, Portable apparatus for supplying heavy. R. E. Kelley. Re. 21,755; Mar. 25

LIST OF DESIGN INVENTIONS

Air distributor for ventilators. F. J. Kurth. 126,047; Mar. 25.
Airplane. H. A. Boushey. 126,067; Mar. 25.
Atomizer. R. B. Karoff. 126,075; Mar. 25.
Barometer. G. B. Kimes. 126,076; Mar. 25.
Billfold. J. P. Wege. 126,102; Mar. 25.
Bowling alley pin spot. C. H. Weicker. 126,084; Mar. 25.
Box, Combined shipping and display. J. A. Clemens. 126,124; Mar. 25.
Box or similar article, Display. J. A. Clemens. 126,123; Mar. 25.
Box or similar article, Jewelry. J. Mautner. 126,096–7; Mar. 25.
Bracelet watch. L. M. Bayan. 126,086; Mar. 25.
Braid. M. J. Gornstein. 126,111; Mar. 25.
Brush or the like, Typewriter. W. A. Lang. 126,048; Mar. 25.
Brush, Toilet. E. L. H. Cosby. 126,041; Mar. 25.
Cabinet. P. F. Alafelder. 126,065; Mar. 25.
Cabinet and gun display, Combined. E. L. Clouse. 126,088; Mar. 25.
Cabinet for phonograph remote control unit. E. E. Collison. 126,087; Mar. 25.
Cape, Fur. O. Klam. 126,114; Mar. 25.
Casing for an internal grinder or similar article. R. C. Montanus. 126,079; Mar. 25.
Clock, Electric. L. Elekemeyer. 126,042; Mar. 25.
Clock, Electric. N. Lipsky. 126,049–50; Mar. 25.
Clock, Ship. R. D. Schoenbrod. 126,054; Mar. 25.
Coat. B. Cashin. 126,105; Mar. 25.
Coat. W. Devitz. 126,106; Mar. 25.
Coat. A. Ducket. 126,107; Mar. 25.
Coat. N. A. Rauch. 126,148–50; Mar. 25.
Console, Amplifier. A. C. Haagstrom. 126,071; Mar. 25.
Console, Loud-speaker. A. C. Haagstrom. 126,070; Mar. 25.
Container, Merchandise display. L. T. Summers. 126,056; Mar. 25.
Cover, Gas outlet box. R. D. McIntosh. 126,098; Mar. 25.
Desk unit, Combination. W. Hoople, M. S. Baker, and I. D. Tefft. 126,092; Mar. 25.
Dress. A. Berin. 126,152; Mar. 25.
Dress. F. M. Burns. 126,163; Mar. 25.
Dress. B. Cashin. 126,119–20; Mar. 25.
Dress. B. Cashin. 126,139; Mar. 25.
Dress. B. Cashin. 126,164; Mar. 25.
Dress. E. Cutler. 126,154; Mar. 25.
Dress. S. Elmo. 126,108; Mar. 25.
Dress. A. Engel. 126,109; Mar. 25.
Dress. S. Faden. 126,157; Mar. 25.
Dress. S. Faden. 126,167; Mar. 25.
Dress. P. Fracchia. 126,140–1; Mar. 25.
Dress. P. Fracchia. 126,168–70; Mar. 25.
Dress. E. E. Genghof. 126,142; Mar. 25.
Dress. F. Greenberg. 126,127; Mar. 25.
Dress. P. Helt. 126,158; Mar. 25.
Dress. L. Katz. 126,144; Mar. 25.
Dress. S. King. 126,174; Mar. 25.
Dress. E. Pier. 126,145; Mar. 25.
Dress. D. W. Price. 126,146–7; Mar. 25.
Dress. D. W. Price. 126,159; Mar. 25.
Dress. D. W. Price. 126,178; Mar. 25.
Dress. H. Randel. 126,115; Mar. 25.
Dress. S. Reich. 126,136; Mar. 25.
Dress. M. Rutenberg. 126,160; Mar. 25.
Dress. H. Siegenfeld. 126,161–2; Mar. 25.
Dress ensemble. B. Cashin. 126,118; Mar. 25.
Dress ensemble. B. Cashin. 126,121; Mar. 25.
Dress ensemble. B. Cashin. 126,165; Mar. 25.
Dress ensemble. G. W. Cohen. 126,153; Mar. 25.
Dress ensemble. E. Cutler. 126,155; Mar. 25.
Dress ensemble. E. Cutler. 126,166; Mar. 25.
Display figure or similar article. P. A. Davis. 126,089; Mar. 25.
Dome, Lighting fixture. E. B. Hallman. 126,128–9; Mar. 25.
Dress ensemble. S. Faden. 126,156; Mar. 25.
Dress ensemble. E. Freeman. 126,171–2; Mar. 25.
Dress ensemble. P. Greenberg. 125,125–6; Mar. 25.
Dress ensemble. P. Helt. 126,133; Mar. 25.
Dress ensemble. P. Helt. 126,173; Mar. 25.
Dress ensemble. A. Naftal. 126,134; Mar. 25.
Dress ensemble. S. Novak. 126,175–6; Mar. 25.
Dress ensemble. E. Pier. 126,177; Mar. 25.
Dress ensemble. J. Richards. 126,151; Mar. 25.
Dress ensemble. J. Richards. 126,179; Mar. 25.
Dress ensemble. S. Riesenberg. 126,180; Mar. 25.
Dress ensemble. I. Sheer. 126,181; Mar. 25.
Escutcheon, or similar article for plumbing fixtures. J. S. Judell. 126,074; Mar. 25.
Fabric, Embroidered. O. Hallbauer. 126,143; Mar. 25.
Fabric, Textile. B. S. Granby. 126,110; Mar. 25.
Fabric, Textile. B. S. Granby. 126,112; Mar. 25.
Fabric, Textile. S. Ross. 126,053; Mar. 25.
Fabric, Textile. P. S. Schwartz. 126,116; Mar. 25.
Fabric, Woven textile. A. Tillman. 126,057; Mar. 25.
Gasoline filling station. B. L. Hewitt. 126,073; Mar. 25.
Handle for kitchen utensils or similar articles. M. J. Zimmer. 126,064; Mar. 25.
Holder for perfume bottles or the like. S. Corwin and J. Brann. 126,068; Mar. 25.
Holder, Heat retaining nursing bottle. C. N. Lockwood. 126,093; Mar. 25.
Holder or similar article, Illuminated key. J. S. Marshall. 126,095; Mar. 25.
Jewelry finding for clips or other similar articles of jewelry. L. Davidson. 126,069; Mar. 25.
Jewelry finding for clips or other similar articles of jewelry. M. E. Lytell. 126,078; Mar. 25.
Jewelry finding for clips or other similar articles of jewelry. C. Marcus. 126,094; Mar. 25.
Knife. R. B. Paysee. 126,081; Mar. 25.
Lace. E. Platz and J. Senn. 126,044–5; Mar. 25.
Lamp, clock and support therefor, Combined bed. M. N. Tigerman. 126,138; Mar. 25.
Lighting unit, Vehicle. E. B. Hallman. 126,113; Mar. 25.
Lighting unit, Vehicle. E. B. Hallman. 126,130–1; Mar. 25.
Link for movable seats, Hanger. W. A. Moeller. 126,051; Mar. 25.
Mixer, Lather. M. Rolstad and H. E. Cullen. 126,099; Mar. 25.
Mute for stringed musical instruments or the like. B. Alemany. 126,046; Mar. 25.
Ornament or similar article, Hat. P. Gaughran and N. Levine. 126,091; Mar. 25.
Pan unit or similar article, Multiple bake. J. G. Jackson. 126,046; Mar. 25.
Pipe or similar article. R. S. Harris. 126,132; Mar. 25.
Razor. D. A. Birrell. 126,066; Mar. 25.
Redingote. E. Breer. 126,103; Mar. 25.
Regulator, Furnace damper. R. J. Seator. 126,055; Mar. 25.
Ring. A. Bauernfeind. 126,085; Mar. 25.
Ring, Finger. L. Kirschman. 126,077; Mar. 25.
Sealing machine, Package. H. Rosengren. 126,083; Mar. 25.
Shoe or similar article. S. A. Wood. 126,059–63; Mar. 25.
Signal, Railway-highway grade-crossing warning. M. G. Shawson. 126,137; Mar. 25.
Skirt. M. Sobelman. 126,100; Mar. 25.
Socket and support therefor, Combined lamp bulb. P. Chilo. 126,132; Mar. 25.
Spoon or other article of flatware. W. S. Warren. 126,117; Mar. 25.
Sprayer. H. L. Weeks. 126,058; Mar. 25.
Statuette. W. P. Vollmer. 126,101; Mar. 25.
Suit. B. Cashin. 126,104; Mar. 25.
Suit, Swimming. M. Felleg. 126,090; Mar. 25.
Tire. W. E. Hardeman. 126,072; Mar. 25.
Tray and advertising holder, Combined ash. J. W. Nichols and H. R. Bixby. 126,135; Mar. 25.
Tray, Cosmetician's. W. B. Petzold. 126,052; Mar. 25.
Tube, Barometer. H. Neuwirth. 126,080; Mar. 25.
Vaporizer, Electric. J. Robinson. 126,082; Mar. 25.
Wheel, Centrifugal blower. A. W. Evans. 126,943; Mar. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator for low pressure heating systems, Oil and dirt. L. W. Hoyt. 2,236,350; Mar. 25.
Advertising device. F. A. Wuotila. 2,236,049; Mar. 25.
Agent for the enhancement of drilling muds, Addition. M. Williams. 2,235,955; Mar. 25.
Air brake. C. A. Campbell. 2,235,917; Mar. 25.
Air brake. P. Dodge. 2,236,424; Mar. 25.
Air circulator, Inertia-powdered. E. R. Aller. 2,235,863; Mar. 25.
Air conditioning apparatus. E. R. Wolfert. 2,236,190–1; Mar. 25.
Air pressure indicating means, Pneumatic tire. J. D. Huggins, Jr. 2,235,930; Mar. 25.
Airplane construction set. W. R. Stockham, Jr. 2,236,456; Mar. 25.
Aldonyl anesthetic compounds and their salts. D. Curtis. 2,236,166; Mar. 25.
Alloy. C. T. Rogers. 2,236,452; Mar. 25.
Ammonia and aldose sugars, Producing reaction products of. E. J. Lorand. 2,235,938; Mar. 25.
Amplifier, Multiple transconductance vacuum-tube. R. L. Freeman. 2,235,817; Mar. 25.
Anchor mechanism. R. G. Anderson. 2,236,281; Mar. 25.
Annunciator means. J. L. Wood. 2,236,081; Mar 25.
Antenna, Directional. A. C. Beck and H. T. Friis. 2,236,393; Mar. 25.
Antenna, Radio. M. Marzetti. 2,236,151; Mar. 25.
Antiaircraft fire control system. E. W. Chafee. 2,235,826; Mar. 25.
Apparatus and method of making corrugated board. C. W. Grimm. 2,236,056; Mar. 25.
Apparatus and method for controlling grinding devices. H. Hardinge. 2,235,928; Mar. 25.
Apparatus for applying road rollers to convertible vehicles. W. B. Whitfield. 2,235,953; Mar. 25.
Apparatus for coating both sides of a web of paper. P. J. Massey. 2,236,005; Mar. 25.
Apparatus for cracking and handling glass sheets. H. C. Shock. 2,236,011; Mar. 25.
Apparatus for finishing gear teeth. A. R. Allard. 2,236,250; Mar. 25.
Apparatus for heat treatment of metal. E. M. Evleth. 2,236,425; Mar. 25.
Apparatus for knitting. B. W. Lerch and C. N. Stover. 2,236,183; Mar. 25.
Apparatus for machining opposed ends of a work-piece. J. C. Wattleworth. 2,236,047; Mar. 25.
Apparatus for molding. J. H. S. Skoning. 2,235,906; Mar. 25.
Apparatus for photographic printing by projection. O. C. Gilmore. 2,235,925; Mar. 25.
Apparatus for pickling and liming ferrous articles. S. P. Cary. 2,235,824–5; Mar. 25.
Apparatus for producing an intimate contact between a liquid and a gas. R. V. Kleinschmidt. 2,235,998; Mar. 25.
Apparatus for producing tubular fabric. P. Gardner. 2,235,818; Mar. 25.
Apparatus for removing sludge from sewage tanks and the like. S. B. Poole. 2,236,128; Mar. 25.
Apparatus for stamping flexible materials. G. W. Curtis. 2,235,960; Mar. 25.
Apparatus for testing locomotives. W. F. Collins. 2,236,423; Mar. 25.
Apparatus for the cutting of skin grafts. E. J. Poth. 2,236,067; Mar. 25.
Apparatus for the manufacture of bent tempered sheets of glass. G. White. 2,235,969; Mar. 25.
Apparatus for treating sugar juices. H. A. Benning. 2,236,419; Mar. 25.
Article handling apparatus. J. N. Selvig and J. E. Willrakis. 2,236,010; Mar. 25.
Article handling means. C. L. Lohner and A. S. Hartanov. 2,236,103; Mar. 25.
Article, Pickling and liming ferrous. S. P. Cary. 2,235,825; Mar. 25.
Articles, Method of, and machine for feeding. R. D. Easton. 2,236,336; Mar. 25.
Articles, Production of hollow. K. Bratring. 2,236,306; Mar. 25.
Articles which are made of iron or steel and are threaded or possess surfaces which make tight joints, Manufacture of. K. Daeves and G. Becker. 2,236,209; Mar. 25.
Articulator. W. J. Wilson. 2,236,204; Mar. 25.
Assembling machine. H. Lane and G. Hazelton. 2,235,934; Mar. 25.
Athletic implement. M. B. Reach. 2,236,414; Mar. 25.
Atomizer. A. F. Reilly. 2,235,946; Mar. 25.
Atomizer. W. A. Wells. 2,236,124; Mar. 25.
Attachment to hypodermic springs for injecting drugs from ampoules. H. N. Perelson and S. Smigel. 2,236,110; Mar. 25.
Automobile accessory. S. D. Lockshin. 2,236,435; Mar. 25.
Automobile heater, Under-seat. H. J. Findley. 2,236,475; Mar. 25.
B B′ dihydroxydiethyl cyanamide. I. Hechenbleikner and C. Best. 2,235,813; Mar. 25.
Bacteria, Destroying. R. Müller. 2,235,843; Mar. 25.
Bag: *See*—
  Fruit-picker's bag.
  Garment bag.
Bags, Making rubber laundry. E. M. Coe and N. H. Curtiss. 2,235,981; Mar. 25.
Ball mill. M. A. Dibble. 2,235,985; Mar. 25.
Bar: *See*—
  Portable bar.
Bar with grinder, Portable angular boring. R. E. Gignoux. 2,235,924; Mar. 25.
Basin holder. B. L. Ellingson. 2,235,986; Mar. 25.
Bath, Portable shower. H. F. McClendon. 2,236,376; Mar. 25.
Battery and lamp bulb holder, Jack-o'-lantern. A. J. Roskam and W. R. Speiss. 2,236,071; Mar. 25.
Battery plate binders, Process and machine for preparing. C. A. Rodgers. 2,236,220; Mar. 25.
Battery terminal clamp. O. Lee. 2,235,935; Mar. 25.
Bearing: *See*—
  Roller bearing.
  Seal bearing.
Bedspring. A. Krakauer. 2,235,814; Mar. 25.
Bearing. A. Kingsbury. 2,235,931; Mar. 25.
Belt conveyer. C. G. Wright. 2,236,205; Mar. 25.
Benzyl ether of dextran, Organic solvent soluble. G. L. Stahly and W. W. Carlson. 2,236,386; Mar. 25.
Bicycle fork. J. R. Alexander. 2,236,127; Mar. 25.
Binder, Loose-leaf. J. W. Ostrander. 2,236,321; Mar. 25.
Binding clip. W. R. Meier. 2,236,106; Mar. 25.
Bit: *See*—
  Core bit.
Blank cutting machine. W. E. Hogan. 2,235,996; Mar. 25.
Blocks, Scotch. S. W. Hayes. 2,235,994; Mar. 25.
Board: *See*—
  Stock quotation board.
  Teeter board.
Bobbin. J. A. Kennedy. 2,236,179; Mar. 25.
Bobbin and spindle for spinning, twisting, and similar machines. J. A. Kennedy. 2,236,178; Mar. 25.
Bobbin hoist for bobbin-handling machine. C. P. Deal. 2,236,310; Mar. 25.
Bodies of plastic masses, Manufacture of seamless hollow. R. Serenyi and A. Nadai. 2,236,416; Mar. 25.
Bolt, Wall. F. F. Wipper. 2,236,079; Mar. 25.
Bookbinding. A. A. Strauss. 2,236,117; Mar. 25.
Bore borer. H. R. Crane. 2,236,468; Mar. 25.
Bowl, Centrifugal. E. A. Forsberg. 2,235,873; Mar. 25.
Box: *See*—
  Gas outlet box.
  Stereotype casting box.
Brace means for pivoted closure. W. H. Stryker. 2,236,040; Mar. 25.
Bracket: *See*—
  Orthodontic bracket.
  Roller and curtain pole bracket.
Bracket or corner block, Spring mattress corner. W. P. Gisske. 2,236,055; Mar. 25.
Brake: *See*—
  Air brake.
  Drum brake.
Brake device. B. H. Mossinghoff. 2,236,345–6; Mar. 25.
Brake mechanism. M. B. Cameron. 2,236,259; Mar. 25.
Brake mechanism. H. F. Kolb. 2,236,247; Mar. 25.
Brake mechanism. J. W. Logan, Jr. 2,236,272; Mar. 25.
Brake mechanism, Servo. R. C. Russell. 2,236,415; Mar. 25.
Brake shoe. C. L. Eksergian. 2,236,311; Mar. 25.
Brassière. D. H. Kaupp. 2,236,142; Mar. 25.
Brass, Prevention of season cracking of. C. A. Vincent-Daviss and H. L. Maxwell. 2,235,828; Mar. 25.
Bread slicing machine. H. J. Criner. 2,236,245; Mar. 25.
Brush for dentures. G. E. Luce and W. M. Sheets. 2,236,034; Mar. 25.
Butting wheel, Self-cooling. C. J. and A. H. Peterson. 2,236,444; Mar. 25.
Building construction. J. H. Wright. 2,236,082; Mar. 25.
Bullnose corner gauge. G. Clark. 2,236,365; Mar. 25.
Cabin, Airplane. E. Zindel. 2,236,482; Mar. 25.
Cabinet for lubricant dispensing apparatus. C. W. Ginter. 2,236,095; Mar. 25.
Cable: *See*—
  Electric cable.
Cable apparatus mounting, Communication. E. M. Matthews. 2,235,896; Mar. 25.
Camera. F. A. Robinton. 2,236,069; Mar. 25.
Canal and ditch gate. R. O. McCarty. 2,236,352; Mar. 25.
Canopy or roof, Revolving. J. W. H. Handley. 2,235,927; Mar. 25.

Cap and lightning arrester, Combined service. A. J. Wayman. 2,236,326; Mar. 25.
Car: *See*—
Refrigerator car.
Car structure, Refrigerator. V. E. West. 2,236,368; Mar. 25.
Carbon pack for manifolding typewriters. L. A. Petit. 2,236,155; Mar. 25.
Carriage, Wheel handling. A. Mackowiak. 2,236,437; Mar. 25.
Carrier for skis and similar articles. G. E. Westad. 2,236,025; Mar. 25.
Cart, Corn shock. W. B. Cross. 2,236,469; Mar. 25.
Cart, Golf bag. S. U. Caron. 2,236,053; Mar. 25.
Cartridge clip. J. C. Garand. 2,235,833; Mar. 25.
Case: *See*—
Vehicle luggage case.
Casing head section for conveyer-elevators. F. F. Waechter. 2,235,856; Mar. 25.
Casserole, Electric. A. C. Wilcox. 2,235,911; Mar. 25
Casting apparatus. W. F. Eppensteiner. 2,236,471; Mar. 25.
Castrator. B. B. Gardener. 2,235,923; Mar. 25.
Catalytic apparatus. F. A. Howard. 2,236,138; Mar. 25.
Catch, Window or door. G. Hagstrom. 2,236,174; Mar. 25.
Cathode, Thermionic. A. W. Hull. 2,236,290; Mar. 25.
Cathode voltage adjusting device, Automatic. L. J. McKesson. 2,236,195; Mar. 25.
Cellulose, Bleaching. J. O. Logan. 2,235,837; Mar. 25.
Cement mix. E. W. Scripture, Jr. 2,236,251; Mar. 25.
Certificate holder. H. H. Dedmon. 2,235,870; Mar. 25.
Chair: *See*—
Wheel chair.
Check valve. J. Fuchs. 2,236,477; Mar. 25.
Chuck, Power center drive. W. F. Groene and H. J. Siekmann. 2,236,057; Mar. 25.
Chuck, Torque limiting. A. I. Kirkland. 2,236,101; Mar. 25.
Cinder collector and fluid heater, Combined. T. B. Allardice. 2,236,358; Mar. 25.
Circuit breaker, Electric. D. Rönnberg. 2,235,901; Mar. 25.
Circuit for direct current motors, Electrical. R. E. Conover. 2,236,086; Mar. 25.
Circuits, Electrical indicator. G. W. Hipsley. 2,236,429; Mar. 25.
Citronellal, Producing hydroxy. W. C. Meuly. 2,235,840; Mar. 25.
Clamp: *See*—
Battery terminal clamp.
Plate clamp.
Clamp. F. L. McKenna. 2,236,439; Mar. 25.
Clarifying apparatus for sugar cane juice and other sugary products. A. S. Villasuso. 2,236,202; Mar. 25.
Clasp. D. H. Bowder. 2,236,207; Mar. 25.
Clay product and producing the same, Cellulated. W. G. France. 2,235,881; Mar. 25.
Cleaner: *See*—
Furnace cleaner.
Vacuum cleaner.
Clip: *See*—
Binding clip.
Cartridge clip.
Clip for wall construction. H. H. Burson. 2,236,258; Mar. 25.
Closure control assembly, Door. L. L. Westcamp. 2,236,026; Mar. 26.
Closure, Dispensing container. E. Frank. 2,235,987; Mar. 25.
Clutch. W. P. Goodenough and H. E. Jensen. 2,236,313–4; Mar. 25.
Clutch combination. C. N. Bergstrom. 2,236,484; Mar. 25.
Coal bagging machine. M. Kutil. 2,235,932; Mar. 25.
Coal, Working up pit. F. Herglotz. 2,236,404; Mar. 25.
Coating machine. M. Lipton. 2,236,239; Mar. 25.
Coating machine, Continuous strip. H. M. Braucher. 2,235,978; Mar. 25.
Coffee extract, Making commercial. H. Heuser. 2,236,059; Mar. 25.
Coin-controlled apparatus. F. H. Osborne. 2,236,198; Mar. 25.
Cake oven door. B. A. Freeman. 2,236,092; Mar. 25.
Collapsible tube. V. Hall. 2,236,030–1; Mar. 25.
Comb. J. G. Pucci. 2,236,446; Mar. 25.
Commutator. A. C. Borchers. 2,236,257; Mar. 25.
Concrete compacting tool. J. F. Barry, J. J. Harley, and W. S. Hayford. 2,236,392; Mar. 25.
Concrete pipe. J. E. Miller and P. L. Osweiler. 2,236,107–8; Mar. 25.
Condenser: *See*—
Electrolytic condenser.
Condenser induction motor. F. J. Lyden. 2,236,436; Mar. 25.
Connector: *See*—
Electrical connector.
Plug connector.
Contact chatter measuring device. W. T. Rea. 2,236,157; Mar. 25.
Container: *See*—
Suet cake container.
Transparent container.
Container. A. Campbell. 2,236,491; Mar. 25.
Container. H. A. Scott. 2,236,302; Mar. 25.
Container and applicator, Combination. S. Lowen. 2,236,240; Mar. 25.
Container and dispenser, Tablet. J. Raschkind. 2,236,224; Mar. 25.
Control for miniature airplanes. V. Stanzel. 2,236,348; Mar. 25.
Control unit. F. A. Young. 2,236,255; Mar. 25.
Controller. E. H. Ayers. 2,236,282; Mar. 25.
Controlling device for the ends of discharge pipes. J. K. Lund. 2,236,293; Mar. 25.
Conveyer and elevator, Flight. H. W. Hapman. 2,235,992; Mar. 25.
Condenser and making same, Electrolytic. J. B. Brennan. 2,235,823; Mar. 25.
Connection, Mechanical. F. C. Best. 2,235,976; Mar. 25.
Conveyer. W. W. Sayers. 2,235,854; Mar. 25.
Conveyer for vending machines. K. W. Karnopp. 2,236,100; Mar. 25.
Conveyer, Roller. S. Eggleston. 2,236,029; Mar. 25.
Cooker, Deep fat. G. W. Watts. 2,236,048; Mar. 25.
Cooling system for a humidified inclosure, Evaporative. A. J. Loepsinger. 2,236,480; Mar. 25.
Cop winding machine with independent winding points. W. and W. Reiners, and G. Kahlisch. 2,236,300; Mar. 25.
Copyholder. A. G. Croninger and O. D. Baker. 2,236,133; Mar. 25.
Core bit. R. R. Crum. 2,235,982; Mar. 25.
Core structure for dynamoelectric machines. K. Schaffelder. 2,235,903; Mar. 25.
Corn gill, Refining. G. A. Moore. 2,236,493; Mar. 25.
Corpse preserver. H. I. Berger. 2,236,052; Mar. 25.
Cover: *See*—
Stove top cover.
Crosshead drive. J. L. Blackley. 2,236,131; Mar. 25.
Cup, Drinking. M. Hyndmann. 2,236,060; Mar. 25.
Cup, Hot. H. E. Lacy. 2,236,238; Mar. 25.
Cupola. A. Maag. 2,235,939; Mar. 25.
Curler. G. Boccafogli. 2,236,242; Mar. 25.
Cushion construction. A. H. Haberstump. 2,235,878; Mar. 25.
Cushion structure. J. M. Oldham. 2,236,007; Mar.
Cutter for ensilage and the like. A. Dion. 2,235,919; Mar. 25.
Cylinder, Brake. E. E. Hewitt. 2,236,266; Mar. 25.
Cylinder pressure indicating means. O. B. Boley. 2,236,422; Mar. 25.
Damper operating system. A. B. Newton. 2,236,240; Mar. 25.
Damping means for gyroscopic instruments. K. Marggraf. 2,236,340; Mar. 25.
Denture brushing device. T. A. Binkley. 2,236,462; Mar. 25.
Device for arresting the motion of vehicles. D. R. King. 2,235,836; Mar. 25.
Device for electrically heating drawing kilns for sheet glass. E. V. Borel. 2,236,231; Mar. 25.
Device for recording pulse waves, respiration, and blood pressure changes. C. D. Lee. 2,235,894; Mar. 25.
Device for sterilizing and cooling liquids. L. de Jonge. 2,236,470; Mar. 25.
Dielectric and cooling composition. F. M. Clark. 2,236,261; Mar. 25.
Dies, Making wire drawing. E. W. Engle and H. B. Duncan. 2,236,288; Mar. 25.
Direction indicating device for motor vehicles. C. F. Bierbach. 2,236,490; Mar. 25.
Dishwashing apparatus. C. Ehret. 2,236,262; Mar. 25.
Dispenser: *See*—
Ice cream dispenser.
Display rack. D. H. Bitney. 2,235,977; Mar. 25.
Door: *See*—
Coke oven door.
Door operating mechanism. C. J. Daugherty. 2,235,829; Mar. 25.
Door structure, Railway car. A. Wasberg. 2,236,228; Mar. 25.
Door support. J. Galamb. 2,235,875; Mar. 25.
Drier: *See*—
Rug drier.
Drier or extractor, Centrifugal. W. G. Frohwitter. 2,235,988; Mar. 25.
Drill guide. J. G. Elckhoff. 2,236,399; Mar. 25.
Drive for signal switches. P. Weien. 2,236,280; Mar. 25.
Drive for warper beams. R. U. Thornton. 2,236,188; Mar. 25.
Drum brake. G. R. G. Gates. 2,236,473; Mar. 25.
Drying process. W. H. Pfeiffer. 2,236,445; Mar. 25.
Duplicating machine. G. G. Neidich. 2,236,442; Mar. 25.
Dyes and processes of manufacturing the same, Direct brown azo. E. F. Hitch, S. S. Rossander, and C. E. Sparks. 2,236,236; Mar. 25.
Dynamoelectric machine. C. E. Kilbourne. 2,236,291; Mar. 25.
Easel, Photographic printing. W. B. Moore. 2,236,197; Mar. 25.
Educational device. F. M. Manuel. 2,236,217; Mar. 25.
Electric arc furnace, Multiple. W. J. Bryan, Jr. 2,236,329; Mar. 25.
Electric cable. P. Dunsheath. 2,236,286; Mar. 25.
Electric snap switch. G. J. Meuer. 2,236,344; Mar. 25.
Electric switch. G. J. Meuer. 2,236,343; Mar. 25.
Electric terminal device. F. G. von Hoorn. 2,236,279; Mar. 25.

Electrical capacitance device. F. M. Clark. 2,236,260; Mar. 25.
Electrical connector. A. David. 2,236,167; Mar. 25.
Electrical control device. H. W. Rubinstein and H. L. Zimmerman. 2,236,072; Mar. 25.
Electric iron. F. Kuhn and L. H. Thomas. 2,235,891; Mar. 25.
Electrolytic condenser. J. Katzman. 2,236,270; Mar. 25.
Electron discharge device. W. Shockley. 2,236,012; Mar. 25.
Electron discharge device. G. K. Teal. 2,236,041; Mar. 25.
Electro-optical system. F. Gray. 2,236,172; Mar. 25.
Elevator control, Automatic. V. J. Gorman. 2,236,136; Mar. 25.
Elevator, Screw-propelled gate. F. T. Howland. 2,236,317; Mar. 25.
Engine: *See*—
Internal combustion engine
Ester anhydrides, Preparing mixed. P. J. Wiezevich. 2,236,125; Mar. 25.
Ethers of trimethyl-hydroquinone and preparing the same. W. John and O. Dalmer. 2,235,884; Mar. 25.
Exhausting apparatus. R. S. Bresckа and E. C. Scott. 2,236,232; Mar. 25.
Fabric. C. G. Moon. 2,235,842; Mar. 25.
Fabric coating. J. T. Ford and W. S. Kirk. 2,235,872; Mar. 25.
Fabric structure, Knitted. J. D. Moyer. 2,236,248; Mar. 25.
Fabrics, Treatment of. C. M. Croft. 2,235,869; Mar. 25.
Farming implement. S. D., A., and H. D. Bridges. 2,236,328; Mar. 25.
Fastener. E. L. Zwickel. 2,236,126; Mar. 25.
Fastener means and making same. D. Head. 2,236,235; Mar. 25.
Fastening device. D. M. Dunwoodie, Sr. 2,236,169; Mar. 25.
Feed mechanism for an ensilage cutting machine. A. Dion. 2,235,918; Mar. 25.
Filaments, yarns, or threads, Production of artificial. A. W. Keight. 2,235,889; Mar. 25.
Film adapter. M. S. Kennedy. 2,236,371; Mar. 25.
Films, threads, and the like, Making. E. F. Izard and E. J. Kohn. 2,236,061; Mar. 25.
Finishes, Drying. F. E. Drummond. 2,236,397–8; Mar. 25.
Fire extinguisher. E. R. Bohan. 2,235,915; Mar. 25.
Fire extinguisher. H. O. Thompson. 2,235,951; Mar. 25.
Firing mechanism for multiple guns. E. A. Dugied. 2,236,335; Mar. 25.
Fish bait. E. E. Sherwood. 2,235,905; Mar. 25.
Fish lure. W. D. Minser. 2,236,353; Mar. 25.
Fish lure. E. B. Turner. 2,236,023; Mar. 25.
Fish lure and the manufacture thereof. A. L. Wolfe. 2,236,241; Mar. 25.
Fishing rod holder. J. D. Rohrdanz. 2,236,070; Mar. 25.
Fishing tackle. W. E. Garrison. 2,236,427; Mar. 25.
Fixture, Display. C. H. Canfield. 2,236,330; Mar. 25.
Flashlight. A. Samuels. 2,236,384; Mar. 25.
Fleshing machine. C. T. Walter. 2,236,078; Mar. 25.
Float, Fishing. A. Klinitski. 2,236,215; Mar. 25.
Flow restrictor, Adjustable. W. J. Brown. 2,236,084; Mar. 25.
Flow valve. W. F. Grisham. 2,236,137; Mar. 25.
Fluid pressure brake means. E. E. Hewitt. 2,236,268; Mar. 25.
Flushing apparatus, Anti-back-siphoning. F. B. Charroin. 2,235,810; Mar. 25.
Fly structure for trousers. J. Marks. 2,236,218; Mar. 25.
Folding machine for basket fringe or trim strips and the like. J. A. Spangler. 2,236,252; Mar. 25.
Folding mechanism, Rotary. E. W. Worthington. 2,236,229; Mar. 25.
Food products, Preparing. M. Quamma. 2,236,113; Mar. 25.
Footwear, Manufacture of. J. S. Kamborian. 2,235,887; Mar. 25.
Footwear tread, Antiskid. N. E. Tousley. 2,236,278; Mar. 25.
Frame: *See*—
Spring frame.
Frame for load transfer devices, Supporting. A. E. Brickman and G. A. Gleason. 2,236,463; Mar. 25.
Frozen product and apparatus and method for producing same. E. R. Anderson. 2,236,050; Mar. 25.
Fruit and vegetable cutting machine. E. R. Jagenburg. 2,236,176; Mar. 25.
Fruit picker's bag. T. P. Petersen. 2,236,199; Mar. 25.
Fuel burning apparatus. A. A. Kucher. 2,236,181; Mar. 25.
Fuel control for internal combustion engines, Automatic. O. C. Helgeson. 2,236,032; Mar. 25.
Fur and fabric whipping machine. C. M. McCarthy. 2,236,064; Mar. 25.
Furnace: *See*—
Electric arc furnace.
Furnace cleaner, Warm air. J. Von Pierce. 2,236,123; Mar. 25.
Fuse cartridge. H. W. Bodendieck. 2,236,284; Mar. 25.
Fuse, Mechanical time. Y. Sekella. 2,236,037; Mar. 25.
Fuse, Percussion. M. Birkigt. 2,236,495; Mar. 25.
Game, Skill. A. Laine. 2,235,933; Mar. 25.
Gardening tool. P. O. Ahlin. 2,236,305; Mar. 25.
Garment bag. D. B. Schwartzman. 2,236,115; Mar. 25.
Garment of the robe type. H. H. Greenberg. 2,235,812; Mar. 25.
Gas outlet box. R. D. McIntosh. 2,236,104; Mar. 25.
Gasoline, Sweetening. C. Wirth, III, and W. B. Shanley. 2,236,080; Mar. 25.
Gate: *See*—
Canal and ditch gate.
Gauge: *See*—
Bullnose corner gauge.
Gauge. L. Oboler. 2,236,443; Mar. 25.
Gear shift, Rear end. F. C. Knauer and C. P. Diehl. 2,236,144; Mar. 25.
Gearing, Change. O. Mylius. 2,235,943; Mar. 25.
Generator: *See*—
Oscillation generator.
Vinegar generator.
Gill for aircraft engine cowl, Adjustable. J. H. Engel. 2,236,090; Mar. 25.
Glass, Laminated safety. G. B. Watkins. 2,236,046; Mar. 25.
Glass, Pressing laminated. J. H. Boicey. 2,235,958; Mar. 25.
Grader apparatus, Egg. P. Guggenheim. 2,235,877; Mar. 25.
Grease. T. Hasselstrom. 2,235,926; Mar. 25.
Grinding machine, Locomotive and car wheel. R. G. McGowan. 2,236,438; Mar. 25.
Guard for a stack of objects. E. Hauck. 2,236,175; Mar. 25.
Gun mount, more especially for use in aircraft. A. Funk. 2,236,312; Mar. 25.
Hair waving, Method and apparatus for permanent. J. A. Malze. 2,235,895; Mar. 25.
Handle for safety razors, Elastic. G. Monnet. 2,235,841; Mar. 25.
Hardware, Drapery. P. B. Stratton. 2,236,017; Mar. 25.
Harvester. L. C. Lederer. 2,236,002; Mar. 26.
Harvester for plants of the beet type. H. M. Siemann. 2,236,075; Mar. 25.
Heat exchange. T. E. Murray, Jr. 2,236,186; Mar. 25.
Heat from kilns or the like, Supplementing waste. C. P. Harris. 2,235,993; Mar. 25.
Heater: *See*—
Automobile heater.
Water heater.
Cinder collector and fluid heater.
Heating system. J. J. Sunday. 2,235,967; Mar. 25.
Heating system, Automobile. H. J. Findley. 2,236,476; Mar. 25.
Hinge construction. W. C. Devereaux. 2,235,984; Mar. 25.
Hinge, Locking sofa bed. D. Krakauer. 2,236,351; Mar. 25.
Hoist. E. B. Thompson. 2,236,019; Mar. 25.
Holder: *See*—
Basin holder.
Package holder.
Battery and lamp bulb holder.
Pail and brush holder.
Pencil holder.
Certificate holder.
Wrench holder.
Fishing rod holder.
Holder for electric welding electrodes. C. J. Kotchi and J. Pondelick. 2,236,372; Mar. 25.
Holder for fishing flies and the like. J. W. Beck. 2,235,914; Mar. 25.
Holder for fruit, Shielding. J. H. Wald. 2,235,909; Mar. 25.
Holder for rolls or sheets of paper. J. L. Candler. 2,236,487; Mar. 25.
Holder for toilet articles. A. C. Reid. 2,235,945; Mar. 25.
Homing impulse direction finder. T. Sonnentag. 2,236,015; Mar. 25.
Homogenizer. K. D. Smith. 2,236,013; Mar. 25.
Honing or sharpening device for cloth cutting machines. J. Silberstang. 2,236,038; Mar. 25.
Hose, Making rubber. C. D. Garretson. 2,236,171; Mar. 25.
Houses, garages, ships and the like, Construction and building of. T. Solberg. 2,236,116; Mar. 25.
Humidifier, Automatic. A. D. Armstrong. 2,236,359; Mar. 25.
Hydrocarbons, Catalytic desulphurization of olefin. A. L. Lyman, R. C. Mithoff, and H. B. Nichols. 2,236,216; Mar. 25.
Hydrocarbons, Treating. W. B. Lerch, C. H. Mathis, and E. J. Gatchell. 2,235,936; Mar. 25.
Ice cream cone dispenser. F. W. Turnbull. 2,235,855; Mar. 25.
Illuminating device. J. Bergman, C. A. Lamberts, and P. M. Van Alphen. 2,236,420; Mar. 25.
Image converter tube. F. Coeterier. 2,235,831; Mar. 25.
Impeller, Wind driven. G. H. Albers. 2,236,494; Mar. 25.
Implement retainer. G. G. Tuttle. 2,236,121–2; Mar. 25.
Indicator: *See*—
Temperature indicator.
Indicators, System of manually operated. C. A. Braidwood. 2,236,132; Mar. 25.
Induction coil. A. Helgason. 2,236,316; Mar. 25.
Ink, Printing. C. E. Irion. 2,235,997; Mar. 25.
Internal combustion engine. E. J. Farkas. 2,235,871; Mar. 25.
Internal combustion engine. J. Mickl. 2,236,223; Mar. 25.

Iron: *See*—
Electric iron.
Jar wrench. P. F. and F. Marsella. 2,236,342; Mar. 25.
Joint: *See*—
Knuckle joint.
Key for outlet boxes, Locking. H. E. Betebenner. 2,236,130; Mar. 25.
Knuckle joint. M. Katcher. 2,236,062; Mar. 25.
Lasting machine. J. S. Kamborian. 2,235,888; Mar. 25.
Latch control mechanism for motor vehicles. W. W. Dodge, Jr. 2,235,830; Mar. 25.
Lathing. C. A. Karellas. 2,236,141; Mar. 25.
Leakproof valve. J. B. Testori. 2,236,253; Mar. 25.
Lifter for pans. K. O. Stambaugh. 2,236,454; Mar. 25.
Light recording apparatus. F. E. Wood and H. Dawson. 2,236,390; Mar. 25.
Lighter, Cigar. G. F. Bahr. 2,236,483; Mar. 25.
Lighting assembly. B. D. Emanuel 2,236,398; Mar. 25.
Lock, coupling, and the like. E. L. Shaw. 2,235,949; Mar. 25.
Lock for automobiles, Rear deck door. C. F. Kramer. 2,236,001; Mar. 25.
Locking device. F. R. Zabel. 2,236,391; Mar. 25.
Locking mechanism for cell doors. M. J. Tracy. 2,236,043; Mar. 25.
Locomotive unit, Geared two crank. W. J. Besler and S. J. Whitlock. 2,235,957; Mar. 25.
Lubricant. M. A. Dietrich. 2,236,168; Mar. 25.
Lubricant for internal combustion engines. N. F. Tousaint, H. J. R. Gaspari, and H. A. Ambrose. 2,236,120; Mar. 25.
Lubricant, Halogenated extreme pressure. N. D. Williams. 2,235,860; Mar. 25.
Lubricator. G. L. Moore. 2,235,897; Mar. 25.
Machine for bending matches. J. R. Nolan. 2,235,899–900; Mar. 25.
Machine for making rivets. B. Shwayder. 2,236,221; Mar. 25.
Machine for stitching sheathing about a ring. W. A. Herrmann. 2,236,369; Mar. 25.
Machine for treating paper. P. W. Chapman, J. H. Bell, and O. A. Jouret. 2,236,366; Mar. 25.
Magneto for internal combustion engines. W. Bryan and C. R. North. 2,236,396; Mar. 25.
Magnets in meters, Protection of permanent. G. R. Sturtevant. 2,236,277; Mar. 25.
Manicuring implement. S. C. Henry. 2,236,096; Mar. 25.
Mat, Glass bumper. E. L. Keith. 2,236,339; Mar. 25.
Metals, Permanently recording defects in. A. C. Kowalski 2,236,373; Mar. 25.
Materials, Drying. H. A. Mulvany. 2,236,006; Mar. 25.
Materials, Waterproofing of textile. F. F. Schwartz. 2,236,074; Mar. 25.
Measuring and dispensing device. C. A. Willman. 2,236,203; Mar. 25.
Metal compounds without fusion, Reduction of. C. Hardy. 2,236,474; Mar. 25.
Metals, Process and apparatus for the separation and recovery of. A. Hanak. 2,236,234; Mar. 25.
Metallurgical apparatus. C. Hardy. 2,236,441; Mar. 25.
Mill: *See*—
Ball mill.
Mill for grinding paints, enamels, inks and other viscous substances. W. T. Forsyth. 2,235,920; Mar. 25.
Milling products, Method and composition for improving F. H. Penn. 2,236,322; Mar. 25.
Mimeograph. F. Erikson. 2,236,233; Mar. 25.
Minerals, Method and apparatus for separating. L. S. Buskirk and P. R. Reid. 2,236,165; Mar. 25.
Mixer. R. Prater. 2,236,219; Mar. 25.
Mixtures of fluids and delivering measured quantities of these mixtures, Forming. L. Le Roy Meersmans. 2,236,182; Mar. 25.
Mold coating. J. R. Craig and C. W. Swartout. 2,236,119; Mar. 25.
Mold for ice cream or the like. G. C. Meyer and P. L. Cox. 2,235,964; Mar. 25.
Molds and products thereof, Coating. C. W. Swartout. 2,236,118; Mar. 25.
Monochromator. O. W. Pineo. 2,236,379; Mar. 25.
Motor: *See*—
Condenser induction motor
Mounting: *See*—
Cable apparatus mounting. Ophthalmic mounting.
Mounting for the driving unit in automobiles, Resilient. M. Klavik. 2,236,408; Mar. 25.
Mower, Lawn. W. C. Klein. 2,236,433; Mar. 25.
Music rack. C. Ecclier. 2,236,337; Mar. 25.
Music stand. H. A. Gruetzmacher and E. E. Menter. 2,235,989; Mar. 25.
Navigator's reference machine. W. L. Maxson. 2,236,375; Mar. 25.
Needle, Knitting. T. Vorck. 2,236,325; Mar. 25.
Negatives for use in the production of photogravure and rotogravure printing forms, Preparing composite. S. J. Verrlour. 2,236,458; Mar. 25.
No-shank pipe. L. Silber. 2,236,076; Mar. 25.
Nozzle, Fuel oil burner. C. S. Gillette and R. C. Brierly. 2,235,854; Mar. 25.
Nuts in plates, Securing. H. W. Kost. 2,236,180; Mar. 25.
Oil cooling system, Piston. H. A. Gehres. 2,236,401; Mar. 25.
Oils, Catalytic conversion of hydrocarbon. J. G. Alther. 2,236,083; Mar. 25.
Ophthalmic mounting. T. J. Snavely. 2,236,304; Mar. 25.
Organolite. T. L. Wilson. 2,235,971; Mar. 25.
Orthodontic bracket. G. H. Terwilliger. 2,236,042; Mar. 25.
Oscillation generator. M. Steenbeck. 2,236,016; Mar. 25.
Oven, Baking. J. V. Cook. 2,236,085; Mar. 25.
Oven, Underfired coke. L. Wilputte. 2,235,970; Mar. 25.
Package holder. J. P. McEnery. 2,235,839; Mar. 25.
Package of sash chains. T. Russell. 2,236,383; Mar. 25.
Packing for pumps. K. D. Smith. 2,236,014; Mar. 25.
Pads, Method and apparatus for making shoulder. A. Freydberg and W. H. Hawkins. 2,236,472; Mar. 25.
Pail and brush holder, Paint. W. Penney. 2,236,187; Mar. 25.
Panel wall structural unit and building construction. R. L. Davison. 2,235,811; Mar. 25.
Panelboard construction. H. A. Samer. 2,236,301; Mar. 25.
Paraffin hydrocarbons, Treatment of. V. N. Ipatieff and H. Pines. 2,236,099; Mar. 25.
Paste applying head for cigar rolling machines. H. E. Carlson. 2,236,028; Mar. 25.
Pasteurizing system. J. S. Detwiler. 2,236,087; Mar. 25.
Pedal actuating device, Accelerator. G. A. Rubissow. 2,235,852; Mar. 25.
Pencil holder, Finger cushion. C. Lorber. 2,236,194; Mar. 25.
Perforating, scoring, and punching attachment for printing presses. A. J. Schwisow. 2,235,948; Mar. 25.
Perspiration inhibiting composition. J. H. Wallace, Jr., and W. C. Hand. 2,236,387; Mar. 25.
Petroleum distillates, Chemical treatment of. L. U. Franklin. 2,235,921; Mar. 25.
Phonograph mechanism. R. H. Rich. 2,236,275; Mar. 25.
Pickup construction for electrical musical instruments, Magnetic. G. W. Demuth. 2,235,983; Mar. 25.
Picture apparatus, Sound motion. A. G. Zimmerman. 2,235,972; Mar. 25.
Picture projector apparatus, Motion. J. Rausch. 2,236,380; Mar. 25.
Pigment and making the same, Carbon. S. Klosky. 2,235,999; Mar. 25.
Pigment and paint and making same. L. E. Barton. 2,236,051; Mar. 25.
Pipe: *See*—
Concrete pipe. Smoking pipe.
No-shank pipe.
Pipe locating and protecting means. J. F. Mahlstedt. 2,236,295; Mar. 25.
Piston expander. C. C. Craven. 2,236,285; Mar. 25.
Piston for wobbler engines. W. Hulsebos. 2,236,237; Mar. 25.
Pitcher. C. O. Swanson. 2,236,018; Mar. 25.
Plane, Trolling. L. E. and F. I. Coolidge 2,235,868; Mar 25.
Planting mechanism. E. P. Friesenhahn. 2,235,922; Mar. 25.
Plant roots, Treatment of. H. K. St. John. 2,235,950; Mar. 25.
Plate clamp. E. P. Lacure and A. J. Carpenter, Jr. 2,236,146; Mar. 25.
Plug connector. M. Schneider. 2,236,385; Mar. 25.
Plugging formations. W. B. Lerch, C. H. Mathis, and E. J. Gatchell. 2,236,147; Mar. 25.
Polishing material and manufacturing the same. O. Hutchins. 2,235,880; Mar. 25.
Portable bar. H. W. Hanker. 2,236,308; Mar. 25.
Pouch, Tobacco. T. R. Tyler. 2,236,024; Mar. 25.
Powder metallurgy. C. G. Goetzel. 2,235,835; Mar. 25.
Power transmission. E. L. Rose. 2,236,489; Mar. 25.
Power transmission device. M. R. Hutchinson, Jr. 2,236,139; Mar. 25.
Preselecting mechanism. A. Dahlstrom. 2,236,309; Mar. 25.
Press combination having means for avoiding jamming. I. Patrick and W. Klocke. 2,236,154; Mar. 25.
Primer for centrifugal pumps. A. P. Adney. 2,235,973; Mar. 25.
Printer, Contact. A. W. Tondreau. 2,235,907; Mar. 25.
Printer for restitutional enlarging, and other purposes, Photographic. C. R. Skinner and F. P. Willcox. 2,236,303; Mar. 25.
Printing plates, Registering. J. A., J. W., and K. L. Koessler. 2,236,000; Mar. 25.
Prints, Producing colored. J. F. Spainhour, Jr. 2,236,417; Mar. 25.
Projectometer. W. E. and G. W. Urschel. 2,236,226; Mar. 25.
Projector. T. H. North 2,235,846; Mar 25.
Protective arrangement for radiators. J. F. Belaieff, C. T. Delaney, and W. L. George. 2,236,461; Mar. 25.
Protector. T. R. Creel. 2,236,208; Mar. 25.
Pull for window shades, Protective corner. J. X. Savage. 2,236,453; Mar. 25.
Pulley. R. H. Bowen and W. A. Williams. 2,236,027; Mar. 25.

Pulverizer, Ore. J. C. Thurman. 2,235,968; Mar. 25.
Pump and sand trap, Oil well. G. N. Foggan. 2,236,210; Mar. 25.
Pump unit, Motor. R. T. Cornelius. 2,236,244; Mar. 25.
Pyrimidine-thiazole compounds, Preparation of. O. Zima. 2,235,862; Mar. 25.
Rack: *See*—
Display rack. Music rack.
Radially yieldable device. E. F. Jackman. 2,236,370; Mar. 25.
Radio guiding system. G. E. M. Perroux. 2,235,815; Mar. 25.
Rake, Dispensing. F. J. Baker. 2,236,129; Mar. 25.
Receiver, Single-sideband modulated-carrier. J. C. Wilson. 2,235,859; Mar. 25.
Reflecting system for deviating a convergent pencil of imaging rays. N. Günther. 2,236,403; Mar. 25.
Reflector sign. W. H. Rapp. 2,236,068; Mar. 25.
Refrigerating apparatus. R. W. Doeg. 2,236,088; Mar. 25.
Refrigerating apparatus. C. F. Henney. 2,236,058; Mar. 25.
Refrigerating apparatus. W. W. Higham. 2,235,995; Mar. 25.
Refrigerating apparatus. J. R. Hornaday. 2,235,962; Mar. 25.
Refrigerating apparatus. L. A. Philipp. 2,236,111–12; Mar. 25.
Refrigerating apparatus. O. M. Summers. 2,235,966; Mar. 25.
Refrigerator car. C. D. Bonsall. 2,236,361–2; Mar. 25.
Regulator: *See*—
Speed regulator.
Regulator. K. H. Hubbard and W. J. Brown. 2,236,097; Mar. 25.
Relay. Electromagnetic. F. E. Wood. 2,235,861; Mar. 25.
Remote control electromagnetic interlock switch. A. E. Lamel and J. H. Coburn. 2,236,318; Mar. 25.
Remote control system, Liquid pressure. E. C. S. Clench. 2,236,467; Mar. 25.
Remote indication and control. W. A. Marrison. 2,236,374; Mar. 25.
Rod: *See*—
Welding rod.
Roll adjusting mechanism. B. L. Burns. 2,236,464; Mar. 25.
Roller and curtain pole bracket, Shade. J. Duffek and A. Compagnone. 2,236,334; Mar. 25.
Roller attachment for sleds. E. L. Cofsky. 2,236,331; Mar. 25.
Roller bearing, Self-contained. O. Storz. 2,236,481; Mar. 25.
Roller, Log. W. H. Beane. 2,235,913; Mar. 25.
Rolls for tinning machines, Backup. N. M. Jenkins, C. D. Michaels, F. Robson, and H. C. Rodgers. 2,236,213; Mar. 25.
Rubber sheets, Uniting. J. R. Jones. 2,236,214; Mar. 25.
Rubber, Vulcanization of. I. Williams. 2,236,389; Mar. 25.
Ruffling and stitching machine. F. M. Card. 2,236,308; Mar. 25.
Rug drier. A. O. Hurxthal. 2,236,430; Mar. 25.
Rust prevention and removal. W. B. D. Penniman. 2,235,944; Mar. 25.
Safety device. S. Bush. 2,236,307; Mar. 25.
Sampling device. J. S. Losee. 2,236,063; Mar. 25.
Sanding, Directional control of. E. E. Hewitt. 2,236,267; Mar. 25.
Sash and store front construction. C. D. Lowry. 2,236,003; Mar. 25.
Sacking machine. R. C. Moore. 2,235,942; Mar. 25.
Scabbard. P. L. Roberge. 2,236,382; Mar. 25.
Scissors. B. L. Atchison. 2,236,418; Mar. 25.
Scraper. W. J. Stachowiak. 2,236,323; Mar. 25.
Scraper, Surface. R. N. Friend. 2,236,093; Mar. 25.
Screen: *See*—
Vibrating screen.
Screen mechanism, Vibrator material handling. G. E. Markley. 2,236,341; Mar. 25.
Screw and nut portion, Ball bearing. R. P. Costello. 2,236,492; Mar. 25.
Screw propeller. A. Rupp. 2,236,201; Mar. 25.
Seal bearing. H. L. Potter. 2,236,200; Mar. 25.
Seal, Liquid film. C. W. Rice and De W. S. Snell. 2,236,274; Mar. 25.
Seat. J. W. McKissick. 2,236,152; Mar. 25.
Seat closer, Toilet. G. W. Cashwell. 2,236,466; Mar. 25.
Sedimentation apparatus. J. H. Knowles. 2,236,434; Mar. 25.
Separator. M. H. Kuhner. 2,235,892; Mar. 25.
Sequence control system. C. E. Stewart. 2,236,276; Mar. 25.
Shaver, Electric dry. A. Romao. 2,236,159; Mar. 25.
Shearing machine. M. W. Hazelton. 2,236,192–3; Mar. 25.
Sheet feeding machine. H. T. Backhouse. 2,236,363; Mar. 25.
Sheet feeding machine. A. W. Nelson. 2,235,844; Mar. 25.
Sheet of abrasive material. B. F. Winslow. 2,235,912; Mar. 25.
Sheet or film material, Preparing. E. M. Kratz. 2,236,271; Mar. 25.
Shelf support. A. Vanderveld and E. L. Clouse. 2,236,044; Mar. 25.
Shift device, No-neutral. R. C. Russell. 2,236,355; Mar. 25.
Shoe. J. Gruber. 2,236,367; Mar 25.
Shoe heel and making same, Molded. H. M. Richter. 2,236,354; Mar. 25.
Shoe sole, Armored. G. H. Gillis. 2,235,819; Mar. 25.
Sign: *See*—
Reflector sign.
Sign letter, Interchangeable neon. L. B. Thomas. 2,236,324; Mar. 25.
Signal controller, Automatic. H. R. Stuart. 2,236,161; Mar. 25.
Signal controller, Traffic. R. A. Reid. 2,236,298–9; Mar. 25.
Signal for bicycles. W. A. Stetz. 2,236,455; Mar. 25.
Signals, System of transmission of electric. P. F. M. Gloess. 2,236,134; Mar. 25.
Signaling system for communication channels with pulsating currents over tube repeating amplifiers. K. H. Thunell, S. D. Vigren, and P. H. E. Chesson. 2,236,225; Mar. 25.
Signaling system, Ultra high frequency. K. G. MacLean. 2,236,004; Mar. 25.
Sirup extract from yeast, high in B vitamins, Producing. N. M. Cregor, F. E. Timmer, and R. M. Allen. 2,235,827; Mar. 25.
Skirt. E. M. Horblit. 2,236,269; Mar. 25.
Skiving machine. F. L. Brandt. 2,235,916; Mar. 25.
Slack adjusting apparatus. C. C. Farmer. 2,236,263; Mar. 25.
Smoking pipe. C. A. Pavey. 2,235,847; Mar. 25.
Socket, Incandescent electric lamp. B. Steehbart. 2,236,357; Mar. 25.
Socket, Rope. G. H. Trevor. 2,236,022; Mar. 25.
Sole conformer for shoes. M. K. Anderson. 2,235,821; Mar. 25.
Sound recording, Noiseless. J. Hendrich. 2,235,929; Mar. 25.
Speed regulator. C. A. Martin. 2,235,838; Mar. 25.
Spindle for spinning or twisting frames. W. B. Cain. 2,235,866; Mar. 25.
Spindle machine, Automatic multiple. C. E. Miller. 2,236,440; Mar. 25.
Spring. J. W. Rockefeller, Jr. 2,236,158; Mar. 25.
Spring frame. L. C. Freeman. 2,235,874; Mar. 25.
Spring manufacture. S. J. Becker. 2,236,206; Mar. 25.
Stamping device. W. A. Humphries. 2,235,820; Mar. 25.
Stand: *See*—
Music stand.
Starting and operating means for gaseous discharge devices. J. G. Sola. 2,236,039; Mar. 25.
Steel, Nonaustenitic stainless. O. E. Harder. 2,236,479; Mar. 25.
Steel pieces, Gaseous cementation of. L. Saives. 2,235,947; Mar. 25.
Stereoptlcon slide. S. M. Gertz. 2,235,876; Mar. 25.
Stereotype plate casting device. W. F. Huck. 2,236,212; Mar. 25.
Stereotype plate holding and tensioning mechanism. E. W. Worthington. 2,236,230; Mar. 25.
Stereotype casting box. A. J. Bueltmann. 2,235,980; Mar. 25.
Stitcher, Automatic fabric. G. A. Boettcher. 2,236,421; Mar. 25.
Stock quotation board, Automatic. C Smith. 2,236,077; Mar. 25.
Stoker. S. G. Jones. 2,236,407; Mar. 25.
Stoker, Locomotive. R. A. Mickle and J. B. MacKenzie. 2,236,065; Mar. 25.
Store service equipment. J. H. Montgomery. 2,235,941; Mar. 25.
Stove. B. B. Kahn. 2,235,886; Mar. 25.
Stove top cover. J. C. Rogers. 2,236,008; Mar. 25.
Strainer, Air. R. L. Nash. 2,236,273; Mar. 25.
Strap, Check. B. T. Clark. 2,236,488; Mar. 25.
Stretcher, Shoe. F. N. Hall and W. Gray. 2,236,264; Mar. 25.
Stringer for slide operated fasteners, Ornamental. O. Killmer. 2,236,033; Mar. 25.
Structural unit. E. W. Burgess. 2,235,865; Mar. 25.
Suet cake container. L. G. Copeman. 2,235,959; Mar. 25.
Support: *See*—
Door support. Twine cone display support.
Shelf support. Twine cone support.
Support. A. Vanderveld. 2,236,045; Mar. 25.
Support for electrically heated sadiron. H. A. Schack. 2,236,073; Mar. 25.
Surges, Method of and apparatus for measuring. R. F. Edgar. 2,236,287; Mar. 25
Surgical and diagnostic instrument. A. L. Brown. 2,235,979; Mar. 25.
Surveying instrument. J. C. Niemeyer. 2,235,898; Mar. 25.
Suspension, Rear end. J. W. Leighton 2,236,410; Mar. 25.

Switch: *See*—
Electric snap switch. Time controlled switch.
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Remote control electromagnetic interlock switch.
Switch. N. C. Schellenger. 2,235,902; Mar. 25.
Table and hinge therefor, Folding. J. Follmer. 2,236,400; Mar. 25.
Table top, Adjustable. B. H. Gibson and L. C. Lunsford. 2,236,094; Mar. 25.
Table top with closed chambers, Metallic. E. T. John. 2,235,883; Mar. 25.
Table top with open chambers, Metallic. E. T. John. 2,235,882; Mar. 25.
Tank for containing liquids. C. W. Stancliffe. 2,236,347; Mar. 25.
Tank lining and method. A. C. Linberg. 2,235,937; Mar. 25.
Tape feeding mechanism. T. H. North. 2,235,845; Mar. 25.
Teeter board. G. R. Lunman. 2,236,409; Mar. 25.
Telephone subset arrangement. E. S. McLarn. 2,236,105; Mar. 25.
Telephone system. G. V. King, J. B. McKim, and O. Myers. 2,236,246; Mar. 25.
Telephone system. R. E. King and O. R. Miller. 2,235,890; Mar. 25.
Telephone system. P. V. Welch. 2,235,910; Mar. 25.
Television apparatus. W. J. Poch. 2,236,066; Mar. 25.
Television receiver. C. N. Smyth. 2,236,222; Mar. 25.
Temperature indicator, Effective. K. E. Whitney and R. R. Chappell. 2,235,954; Mar. 25.
Thermionic device. A. W. Hull. 2,236,289; Mar. 25.
Thermometer for beer barrels. R. T. Cornelius. 2,236,243; Mar. 25.
Thermostat. F. Kuhn and L. H. Thomas. 2,235,893; Mar. 25.
Thermostatically controlled appliance. J. J. Gough. 2,236,478; Mar. 25.
Threading machine. J. J. Tyne. 2,235,908; Mar. 25.
Three-way distributing valve. S. T. Williams. 2,235,858; Mar. 25.
Throttle actuating device. G. A. Rubissow. 2,235,850; Mar. 25.
Throttle control, Magnetic. P. H. Kolb. 2,236,145; Mar. 25.
Time controlled switch. P. Iannotti. 2,236,098; Mar. 25.
Time delay device. E. H. Ayers. 2,236,283; Mar. 25.
Timer, Adjustable. M. Ireland. 2,236,405; Mar. 25.
Timer control. H. M. Biebel. 2,236,395; Mar. 25.
Timer control means. H. M. Biebel. 2,236,394; Mar. 25.
Timer control means. M. Ireland. 2,236,406; Mar. 25.
Timer for automatic toasters, Thermal. J. R. Gomersall. 2,236,402; Mar. 25.
Timer, Traffic signal. R. A. Reid. 2,236,297; Mar. 25.
Tire, Pneumatic. M. Castricum and F. C. Kennedy. 2,235,867; Mar. 25.
Toaster timer, Voltage controlled. H. L. Olson. 2,236,377; Mar. 25.
Tone-control system. N. P. Case. 2,236,364; Mar. 25.
Tongue for cigarette machines, Rod former. E. D. Smith 2,235,853; Mar. 25.
Tool: *See*—
Concrete compacting tool. Hand welding tool.
Gardening tool.
Tool for dynamite cartridges, Crimping. C. S. Kaleel 2,236,140; Mar. 25.
Tool forming attachment for lathes, Metal working. A. O. Bates. 2,236,327; Mar. 25.
Torpedo for signaling on railroads or for other uses. L. Veber. 2,236,189; Mar. 11.
Tower control, Fractionating. J. F. Luhrs. 2,236,035; Mar. 25.
Toy, advertising, and display device. "R" L. and E. Hollingsworth. 2,236,431; Mar. 25.
Toy, Musical. M. Rich, Jr. 2,236,381; Mar. 25.
Toy vehicle. W. Kellermann. 2,236,143; Mar. 25.
Toy vehicle. A. J. Middler. 2,236,196; Mar. 25.
Track, Sent. L. C. Schulz. 2,235,904; Mar. 25.
Trailer and tent construction, Combined. G. W. Fletcher. 2,236,091; Mar. 25.
Transmission control. F. C. Best. 2,235,975; Mar. 25.
Transparent container. T. G. and T. B. McGirr. 2,235,963; Mar. 25.
Trap: *See*—
Pump and sand trap.
Tray, Ash. J. Raisler. 2,236,156; Mar. 25.
Tread, Preformed composite step. A. B. Carlson. 2,236,465; Mar. 25.
Trolley system, Overhead. R. R. Holden. 2,235,961; Mar. 25.
Truck. A. Martinich and J. Jurkas. 2,235,940; Mar. 25.
Tube: *See*—
Collapsible tube. Image converter tube.
Tube and the like, Electron. G. D. O'Neill. 2,236,036; Mar. 25.
Tube cutting machine. S. T. Maltby. 2,236,150; Mar. 25.
Tube punching machine. L. V. Seaman. 2,236,160; Mar. 25.
Tubular units for boilers and the like, Production of. T. E. Murray, Jr. 2,236,185; Mar. 25.
Turbine blade. P. Faber. 2,236,426; Mar. 25.
Twine cone support. F. C. Thorpe. 2,236,021; Mar. 25.
Twine cone display support. F. C. Thorpe. 2,236,020; Mar. 25.
Typewriter key guide. F. and P. Pirnat. 2,236,413; Mar. 25.
Umbrella. F. R. Brennan and J. R. Jenkins. 2,235,864; Mar. 25.
Undergarment, Man's. A. M. Reis. 2,235,848–9; Mar. 25.
Urea-formaldehyde reaction products, Preparation of potentially reactive solutions of. A. Menger. 2,236,184; Mar. 25.
Vacuum cleaner. E. O. H. Hansson and A. A. Forsberg. 2,236,265; Mar. 25.
Vacuum tube with substantially constant inter-electrode capacitance. R. L. Freeman. 2,235,816; Mar. 25.
Valve: *See*—
Check valve. Three-way distributing valve.
Flow valve.
Leakproof valve.
Valve. C. Wantz. 2,236,227; Mar. 25.
Valve and stem. E. H. Mueller. 2,236,109; Mar. 25.
Valve applying and removing apparatus. W. H. Green. 2,236,211; Mar. 25.
Valve converting apparatus, Electric. C. H. Willis. 2,236,254; Mar. 25.
Valve for water bells, Control. J. H. Mosel. 2,236,320; Mar. 25.
Valve for wells, Control. G. D. Johnson. 2,236,177; Mar. 25.
Valve mechanism. C. L. Guttery. 2,235,990; Mar. 25.
Valve structure. F. H. Rutherford. 2,236,009; Mar. 25.
Vaporizer. M. W. Hanks and G. H. Nelson. 2,235,879; Mar. 25.
Vehicle: *See*—
Toy vehicle.
Vehicle luggage case. V. P. Haas. 2,236,128; Mar. 25.
Ventilating device, Automobile. W. L. Morrison. 2,236,412; Mar. 25.
Ventilator. V. S. Lundell. 2,236,294; Mar. 25.
Vibrating screen. G. A., G., and C. Overstrom. 2,236,378; Mar. 25.
Vinegar generator. C. H. Owens. 2,236,153; Mar. 25.
Viscosity coupled switch. H. E. Metcalf. 2,236,411; Mar. 25.
Vise. J. S. Good. 2,236,135; Mar. 25.
Voltage control. L. B. Haddad. 2,236,173; Mar. 25.
Walk for railway car roofs. V. E. Sisson. 2,236,356; Mar. 25.
Warp beaming machine. W. V. Boyd. 2,236,485–6; Mar 25.
Washer and sterilizer, Glassware. C. W. Johnson. 2,235,885; Mar. 25.
Water heater, Flue-heat-utilizing. R. H. Fjellman. 2,236,170; Mar. 25.
Water level control for boilers. V. O. Beam. 2,236,360; Mar. 25.
Wave transmission system, High frequency. F. A. Kolster. 2,236,102; Mar. 25.
Wave trap and core construction therefor, Permeability-tuned. M. J. Kirk. 2,236,292; Mar. 25.
Wear shoe for mowers, Replaceable. C. B. Toms. 2,235,952; Mar. 25.
Weather strip. R. Berrier. 2,235,974; Mar. 25.
Web supply mechanism for printing presses. H. M. Barber. 2,236,163–4; Mar. 25.
Welder. E. G. Belderman. 2,235,956; Mar. 25.
Welding and brazing. H. J. Ness. 2,235,965; Mar. 25.
Welding rod. A. R. Lytle. 2,236,148–9; Mar. 25.
Hand welding tool. E. J. von Henke. 2,236,162; Mar. 25.
Well control equipment. C. A. Combs. 2,236,332; Mar. 25.
Wetting and dispersing agent. A. Minich and H. Levinson. 2,236,290; Mar. 25.
Wheel: *See*—
Rolling wheel.
Wheel. B. Di Curzio. 2,236,054; Mar. 25.
Wheel for chain conveyers and the like, Sprocket. H. W. Hapman. 2,235,991; Mar. 25.
Wheel chair. S. Ducavich. 2,236,089; Mar. 25.
Whippletree. A. Strickland. 2,236,457; Mar. 25.
Wind recording device. G. Randl. 2,236,114; Mar. 25.
Winding machine. W. V. Jacobson. 2,236,432; Mar. 25.
Winding machine. E. R. Swanson. 2,236,459; Mar. 25.
Window, door, and the like, Metal. E. Gray. 2,236,315; Mar. 25.
Window frame construction. F. J. Robinson. 2,236,250; Mar. 25.
Window guide. J. H. Roethel. 2,236,447–8; Mar. 25.
Window guide. J. H. Roethel. 2,236,450–1; Mar. 25.
Window guide, Ventilating. J. H. Roethel. 2,236,449; Mar. 25.
Wiping device. E. Thomas. 2,236,460; Mar. 25.
Wood, Impregnating. A. D. Boardman. 2,235,822; Mar. 25.
Work manipulator. M. H. Freeman. 2,235,832; Mar. 25.
Work, Means for gripping. D. B. Gish. 2,236,349; Mar. 25.
Wrapper carrier operating mechanism. H. H. Wheeler. 2,235,857; Mar. 25.
Wrench: *See*—
Jar wrench.
Wrench holder. O. J. Cowles. 2,236,333; Mar. 25.
Wringer, Clothes. T. J. Litle, Jr. 2,236,319; Mar. 25.

CLASSIFICATION OF PATENTS

ISSUED MARCH 25, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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THE
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Plant Patents	3—No.	458 to No.	460, inclusive.
Patents	771—No.	2,233,391 to No.	2,234,161, inclusive.
Designs	192—No.	125,556 to No.	125,747, inclusive.
Total	1,151		

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Feb. 11, 1941.*

The Wigwam Retail Stores Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Mid-West Tobacco Co., 335 West Fifth Street, Cincinnati, Ohio, for registration of a trade-mark, and trade-mark registered August 8, 1922, No. 157,609, to The Wigwam Retail Stores Company, 1519 Main Street, Columbia, S. C. A notice of such proceeding sent by registered mail to said The Wigwam Retail Stores Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said The Wigwam Retail Stores Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., February 3, 1941.*

Wexler Brothers, their assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Untermeyer, Robbins & Co., 136 W. 52nd St., New York, N. Y., to effect the cancellation of trade-mark registration of Wexler Brothers, 5 N. Wabash Ave., Chicago, Ill., No. 205,875, dated November 17, 1925, and the notice of such proceeding sent by registered mail to the said Wexler Brothers at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Wexler Brothers, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Transfer of Class

ORDER NO. 3,538

U. S. PATENT OFFICE, *Washington, D. C., Feb. 12, 1941.*

The following transfer, effective Wednesday, February 19, 1941, is hereby ordered:

Class 311, Supports, Tables, from Division 29 to Division 62.

CONWAY P. COE,
Commissioner.

ORDER 3,539

U. S. PATENT OFFICE, *Washington, D. C., Feb. 15, 1941.*

The following transfer, effective February 15, 1941, is hereby ordered:

Class 154, Laminated Fabric and Analogous Manufactures, subclass 2.6, from Division 61 to Division 56.

CONWAY P. COE,
Commissioner.

Trade-Mark Registrations Canceled

58,174. Pickles. Passano & Company, Baltimore, Md. Registered December 11, 1906. Canceled January 31, 1941.

236,368. Blankets. Beacon Manufacturing Company, New Bedford, Mass. Registered December 13, 1927. Canceled January 31, 1941.

263,958. Ladies' hosiery. Lucy Lou Shops, Incorporated, New York, N. Y. Registered November 12, 1929. Canceled January 31, 1941.

380,621. Door locks. Roland E. Ott, Portland, Oreg. Registered August 27, 1940. Canceled February 14, 1941.

Adverse Decisions in Interference

Where the claims of a patent are affected by adverse decision or concession of priority as the result of an interference, a notice as to the patented claims thus affected will be published in the OFFICIAL GAZETTE after final decision in the proceedings.

Condition of Applications Under Examination at Close of Business February 15, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,292; Trade-Mark Division, 1,348. Oldest new case, May 6, 1940; oldest amended, May 6, 1940.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

(The dates given are for 1940 except where † indicates 1941)

Room No.		Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tilings.	Sept. 12	Sept. 9	471
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 22	July 22	631
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Dec. 16	Dec. 18	311
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Oct. 3	Sept. 26	461
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	Oct. 17	Oct. 19	384
4998 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 9	July 17	978
5725	7. JARBOE, C. O., Optics; Photography	Aug. 14	Aug. 21	1,037
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Aug. 2	July 24	923
4824	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 2	Oct. 2	568
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 2	Jan. 2	170
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 17	Oct. 18	464
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 28	Aug. 6	487
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 1	Aug. 2	635
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 17	Oct. 16	677
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 1	Aug. 8	1,140
5716	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 19	Oct. 16	591
5704	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 24	Oct. 14	535
4812	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 20	Aug. 19	449
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 4	Oct. 3	488
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 2	Aug. 24	252
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 28	Oct. 21	383
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 6	May 6	1,515
7824	23. BUTTNER, W. J., Registers (part)	June 26	June 21	260
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 2	June 29	957
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 9	Sept. 14	527
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 18	Sept. 16	524
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 19	Aug. 21	713
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Sept. 9	Aug. 12	316
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Aug. 20	Aug. 22	768
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 16	Oct. 15	611
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 5	Sept. 5	1,383
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Oct. 15	Nov. 19	722
6098	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Oct. 16	Oct. 12	730
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 24	July 20	353
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Dispensing; Portable Receptacles	Aug. 4	Sept. 25	802
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 1	June 28	620
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 14	Aug. 3	605
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 2	July 7	775
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 5	Oct. 3	456
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	July 15	July 15	1,605
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 29	Sept. 7	515
5882	42. CUTTINO, H. O., Electric Signaling	Aug. 26	Sept. 10	473
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 21	Sept. 19	531
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 3	Aug. 3	604
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 11	Sept. 10	391
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 17	Sept. 28	634
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	Oct. 7	Sept. 3	415
5731	48. ROEFKE, O. B., Electricity, General Applications; Igniters	Sept. 17	Sept. 18	577
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 16	Aug. 15	816
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 15	Aug. 15	1,238
5628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 10	Dec. 10	288
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 16	Sept. 6	580
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 10	July 25	812
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 2	Oct. 31	362
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 13	Sept. 10	393
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 15	July 17	1,256
6613	57. NICOLSON, O. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	May 25	Sept. 18	202
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 3	Aug. 28	521
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 3	Aug. 16	979
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 12	Nov. 12	305
5724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Sept. 9	Sept. 9	472
5621	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 19	Oct. 31	168
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 2	June 25	1,180
4708	64. NASH, F. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Oct. 23	Oct. 23	709
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 17	Nov. 6	320
999 B	TRADE-MARKS: F. A. RICHMOND	Dec. 21	†Jan. 16	1,348
2005	DESIGNS: H. H. KALUPY	Dec. 15	†Jan. 6	1,254

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

FORWARD PROCESS COMPANY *v.* COE, COMMISSIONER OF PATENTS

Nos. 7,358 and 7,359. Decided December 9, 1940

PATENTABILITY—METHOD OF CRACKING OIL.

A certain process claim of an application relating to cracking oil, which claim was copied from a patent granted to another, and recited that the oil is "raised rapidly" in temperature in a first heating zone and then "heated mildly" in a second heating zone, *Held* not supported by the disclosure made in the application; and as to certain other process claims of a divisional application which had been held unpatentable over the prior art "We think the conclusion of the Patent Office, that his departures from the prior art are not inventive, is consistent with the evidence. Whether we should have drawn that conclusion is not the question. Since it has substantial support in the record, we must affirm. *Abbott v. Coe*, 71 App. D. C. 195, 109 F.(2d) 449."

APPEAL from the District Court of the United States for the District of Columbia—on rehearing. Affirmed.

Mr. Clarence M. Fisher and *Mr. Raymond F. Adams* for appellant.

Mr. William Wallace Cochran for appellee.

Before STEPHENS, EDGERTON, and RUTLEDGE, Associate Justices.

EDGERTON, *J.*:

These are appeals from decrees of the district court dismissing bills to obtain patents.[1] The claims relate to the cracking of oil, to produce gasoline, by passing preheated oil through a series of pipes or "steam heat exchangers." As the district court states,

"The oil enters the first of the steam heat exchangers at a temperature of from 400° F. to 450° F., leaving the fourth heat exchanger at a temperature of 850° F., and leaves the tenth heat exchanger at a temperature of from 975° F. to 980° F., the cracking of the oil taking place in heat exchangers 5 to 10, inclusive."

Exchangers 1 to 4 comprise the first heating zone, and exchangers 5 to 10 the second.

In claim 18, it is stated that the oil is "raised rapidly" in temperature in the first heating zone and then "heated mildly" in the second. The terms "rapidly" and "mildly" refer to the relative rates of temperature increase, per unit of time, in the two zones. The specification, unlike claim 18, does not say that the oil is raised rapidly in the first zone and heated mildly in the second. The district court found, further, that this is not inherent in the specification, and therefore sustained the Patent Office in rejecting claim 18. The specification shows that the total rise in temperature in the second zone is much less than that in the first. But whether the rise is slower in the second zone depends not only on the total rise but also on the lapse of time, as to which the specification is silent. Oil enters the first zone in liquid form and the second zone in vapor form, and the Patent Office points out that

"the great expansion of the oil incident to its vaporization necessarily results in a greatly increased speed of its travel"

through the second zone. For this reason, the Office contends, no inference can be drawn from the specification as to the relative rates of rise in the two zones.

The specification discloses a pressure of "approximately 200 lbs. to 500 lbs. or higher according to the oil being run." It does not disclose the feed rate, although the evidence shows that that is important. Appellant's witness Kaplan found by experiment that, at certain feed rates, the rise in temperature per unit of time was greater in the second zone than in the first when a pressure of only 200 lbs. was maintained, but was somewhat less in the second zone than in the first when pressures of 250 lbs. or of 300 lbs. were maintained. At 250 lbs. pressure, the rate of rise in the second zone was 91 per cent of that in the first zone when a feed rate of 120 was used, 89 per cent when a feed rate of 140 was used, and 71 per cent when a feed rate of 163 was used. The record discloses no ratio more favorable to appellant's contention than 71 to 100. We cannot say that such a ratio must be regarded as supporting the claim of heating "rapidly" in the first zone and "mildly" in the second. On the contrary, the terms "rapidly" and "mildly," in their context, seem to us to imply some such ratio as two, or more, to one. Specifically, using Kaplan's figures, we cannot say that if a rise of 47.2° F. per minute is considered "rapid" a rise of 33.7° F. per minute must be considered "mild." Moreover, Kaplan's experiments show that there is less difference between the rates of rise in the two zones when a pressure of 300 lbs. is used than when a pressure of 250 lbs. is used. No experiment with pressures between 200 and 250 lbs., or above 300 lbs. is reported. For all that we can see it is quite possible that, at some pressures within each of those ranges, the rise in temperature in the second zone might be as fast as, or faster than, that in the first zone. Appellant contends that

"a person following the process described in the Forward patent will usually obtain the conditions called for by the claim."

We think it is not clear that such a person will ever obtain those conditions. The case is therefore far from meeting the requirements of the doctrine of inherency.[2]

"Inherency . . . may not be established by probabilities or possibilities. The mere fact that a certain thing may result from a given set of circumstances is not sufficient."[3]

The other claims in suit, like the specification, do not refer in terms to heating "rapidly" or "mildly." They describe the process in terms of temperature, pressure, carbon formation, the avoidance of substantial cracking in the first zone, and the achievement of substantial cracking in the second zone. The Patent Office and the district court have rejected

[1] R. S. § 4915, 35 U. S. C. § 63.

[2] *Cf. Eames v. Andrews*, 122 U. S. 40; *Rogers v. Aikman*, 51 App. D. C. 218, 219, 277 Fed. 617; *Ellis v. Shaw*, 54 App. D. C. 185, 186, 295 Fed. 1006; *Prescott v. Swain*, 57 App. D. C. 306, 307, 22 F.(2d) 1004.

[3] *Hansgirg v. Kemmer*, 102 F.(2d) 212, 214, Court of Customs and Patent Appeals.

these claims for lack of invention over certain prior patents and publications. The references relied upon by the district court include the Rittman publication, Bureau of Mines, Bulletin 114 of 1916, pages 46–49, 59 and 66; de Florez patent, No. 1,715,643; and Wellman patents, Nos. 1,390,002 and 1,335,767. The Rittman publication suggests the temperature and pressure for securing a maximum yield of gasoline. De Florez discloses a process for cracking oil in the vapor phase by passing it through a heating coil. The oil is first vaporized in the cooler part of the coil and then cracked at a higher temperature. Carbon deposit is prevented by increasing the velocity of the flow. In Wellman Patent 1,390,002 oil is cracked in the liquid phase in cracking coils after preheating in a tank. In Wellman Patent 1,335,767 oil is cracked by preheating it to a point just below vaporization and drawing it into a superheater where it is subjected to cracking temperature and pressure. Forward claims a patentable advance over the prior art in that the oil is brought (rapidly, he contends) to a temperature of 850° F. without cracking, and then heated from 850° F. to 975° F., in a pipe-like heater, for a period of time long enough to effect substantial formation of gasoline. We think the conclusion of the Patent Office, that his departures from the prior art are not inventive, is consistent with the evidence. Whether we should have drawn that conclusion is not the question. Since it has substantial support in the record, we must affirm. *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449, 68 W. L. A. 272.

Affirmed.

STEPHENS, *Associate Justice*, dissents

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

2,051,115, V. B. Wallace, Drafting machine, filed Nov. 8, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 1249–H. *Yard Mechanical Laboratory* v. *V. & E. Engineering Co.*

2,069,873, E. A. Chenault, Process for the preservation of organic material, D. C., N. D. Ohio, W. Div., Doc. E 1612, *E. A. Chenault et al.* v. *Pecos Valley Alfalfa Mill Co.* Dismissed without prejudice Jan. 10, 1941.

2,083,871, A. E. Serewicz, Toilet article and method of making same, D. C., N. D. Ill., E. Div., Doc. 1651, *A. E. Serewicz et al.* v. *Carson Pirie Scott & Co. et al.* Consent decree holding patent valid; that Bath Toys, Inc. has infringed claims 1, 2, 3, and 5, injunction Dec. 19, 1940.

2,123,638, E. Steccone, Squeegee, D. C., N. D. Ill., E. Div., Doc. 740, *Morse-Starrett Products Co. et al.* v. *Standard American Window Safety Device Co. et al.* Patent held invalid Dec. 22, 1939. Decree affirmed Nov. 28, 1940.

2,128,678, W. R. Kell, Water eliminator for cooling towers, filed Dec. 27, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 1324–BH, *The Marley Co.* v. *City of Glendale, Calif. et al.*

2,129,381, Oftedal & Dykeman, Threshold construction, D. C., N. D. Ill., E. Div., Doc. 684, *Master Metal Strip Service Co.* v. *Chicago Metal Strip Corp.* Consent decree holding claims 1 and 2 valid and infringed Nov. 18, 1940.

2,134,048, J. B. Kessel, Washing machine, D. C., N. D. Ill., E. Div., Doc. 571, *J. B. Kessel et al.* v. *Vidrio Products Corp. et al.* Dismissed for want of equity Dec. 3, 1940.

2,145,137, R. L. Sayers, Diaper, D. C., Mass., Doc. 311, *The Kendall Co.* v. *Earnshaw Knitting Co.* Consent decree for plaintiff Nov. 29, 1940.

2,156,704, H. J. Seman, Collar construction, D. C., E. D. Pa., Doc. 612, *H. J. Seman* v. *Supreme Shirt Co.* Dismissed by stipulation, without prejudice Jan. 11, 1941.

2,176,831, C. E. Zimmerman, Application of cosmetics, D. C., N. D. Ill., E. Div. Doc. 1077, *C. E. Zimmerman* v. *Neisner Bros., Inc.* Dismissed without prejudice Nov. 26, 1940.

2,205,846, J. F. Courtney, Radio antenna, D. C., N. D. Ill., E. Div., Doc. 2123, *J. F. Courtney et al.* v. *Ford Motor Co. et al.* Dismissed without prejudice Oct. 18, 1940.

2,207,078, J. Stuer, Transfer mechanism for looms, filed Dec. 12, 1940, D. C. Mass., Doc. 1055, *J. Stuer* v. *G. E. Kilburn Mfg. Co. et al.*

2,215,446, W. H. Wilson, Method of treating the butt end of vegetables, D. C. Oreg. (Portland), Doc. 499, *Fruit & Vegetable Processing Co.* v. *P. W. Williams et al.* Decree for plaintiff Jan. 2, 1941. Same, filed Jan. 8, 1941, D. C., S. D. Calif., C. Div., Doc. 1344 RJ, *Fruit & Vegetable Processing Co.* v. *M. C. Wahl Co., Ltd., et al.*

2,219,240, D. Siegel, Method of knitting, filed Jan. 8, 1941, D. C., S. D. N. Y., Doc. 12/265, *Beaunit Mills, Inc.*, v. *Eday Fabric Sales Corp. et al.*

Re. 17,885, J. H. Janowitch, Shirt collar stiffener, D. C., S. D. N. Y., Doc. 11/330, *Lakewood's Patents Corp.* v. *C. F. Hathaway Co.* Consent order of discontinuance Jan. 10, 1941.

Re. 18,755 (of 1,842,660), F. J. Day, Air conditioning means, filed Oct. 23, 1940, D. C., S. D. Calif., C. Div., Doc. 1222 B, *W. C. Phillips et al.* v. *Standard Precooling Co.*

Des. 21,545, A. J. Marshaus, Tubular lamp base and socket, suit for declaratory judgment Jan. 6, 1941, D. C., N. D. N. Y., Doc. 626, *Higrade Sylvania Corp.* v. *General Electric Co.*

Des. 108,822, W. W. Reid, Jr., Label, filed (notice Jan. 8, 1941), D. C., S. D. Fla., Doc. 313, *Charms Co.* v. *Elmer Candy Co., Inc., et al.*

Des. 110,515, I. Elster, Slip, filed Dec. 27, 1940, D. C., S. D. N. Y., Doc. 12/188, *I. Elster* v. *Harwood Mfg. Co.*

Des. 113,797, H. A. Trafton, Printing type font, D. C., N. D. Ill., E. Div., Doc. 2082, *Bauer Type Foundry, Inc.*, v. *M. & L. Typesetting & Electrotyping Co. et al.* Consent decree as to all defendants, except T. Monsen; patent held valid and infringed, injunction Oct. 25, 1940. By stipulation, cause dismissed as to T. Monsen Dec. 27, 1940.

Des. 114,356, A. von Eisenbarth, Textile fabric, D. C., S. D. N. Y., Doc. 7/132, *Crown Fabrics Corp.* v. *Pacific Mills, Inc.* Consent order of discontinuance Jan. 11, 1941.

Des. 115,413, K. Lerman, Radio, D. C., N. D. Ill., E. Div., Doc. 1854, *Mastercrafters Mfg. Co.* v. *Royalwood Specialties.* Consent decree, holding patent valid and infringed, injunction Nov. 12, 1940.

Des. 118,917, M. Stone, Dress, filed Jan. 8, 1941, D. C., S. D. N. Y., Doc. 12/264, *Will Steinman, Inc.*, v. *Harlene Frocks, Inc.*

Des. 119,579, A. Ituchman, Dress, D. C., S. D. N. Y., Doc. 8/100, *Apex Dress Co., Inc.*, v. *Central Dress, Inc.* Judgment Jan. 11, 1941.

Des. 120,888, M. F. Hauck, House coat, D. C., N. D. Ill., E. Div., Doc. 2184, *W. M. Gotsch Co.* v. *Mandel Bros., Inc., et al.* Consent decree dismissing bill as to Mandel Stores Corp.; that patent is valid, and infringed by Mandel Bros., Inc., injunction Nov. 22, 1940.

Des. 121,087, A. N. Andrews, Fountain pen, filed Dec. 30, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 1327–Y. *A. N. Andrews* v. *Eversharp, Inc.*

Des. 122,368, S. Barbilk, Dress, filed Jan. 10, 1941, D. C., S. D. N. Y., Doc. 12/287, *Cameo Evening Fashions, Inc.*, v. *H. A. Conder, Inc.*

Des. 122,985, S. Novak, Dress ensemble, filed Dec. 26, 1940, D. C., S. D. N. Y., Doc. 12/177, *Flora Dress Co.* v. *Ramo Frocks, Inc.*

Des. 123,253, J. Siegel, Dress, filed Dec. 20, 1940, D. C., S. D. N. Y., Doc. 12/157, *Pomette Dress Corp.* v. *Ballad Dress Co., Inc.* Stipulation of discontinuance (notice Jan. 3, 1941).

Des. 123,611, H. Bayor, Dress, D. C., S. D. N. Y., Doc. 12/7, *Malbec Frocks, Inc.*, v. *Pearl Dress Co., Inc.* Consent judgment (notice Dec. 27, 1940).

Des. 123,802, D. Faust, Dress, filed Dec. 23, 1940, D. C., S. D. N. Y., Doc. 12/165, *Eagle Dress Co., Inc.*, v. *Geneva Dresses, Inc.* Same, filed Jan. 3, 1941, D. C., S. D. N. Y., Doc. 12/247, *Eagle Dress Co., Inc.*, v. *Maternity Dress Co.*

Des. 123,973, M. Galowitz, Dress, filed Dec. 17, 1940, D. C., S. D. N. Y., Doc. 12/103, *Modern Juniors-Lou Galowitz & Co., Inc.*, v. *H. H. Greenberg, Inc.* Same, filed Jan. 3, 1941, D. C., S. D. N. Y., Doc. 12/245, *Modern Juniors-Lou Galowitz & Co., Inc.*, v. *Venue Dress Co.*

Des. 123,975, D. High, Dress, filed Dec. 30, 1940, D. C., S. D. N. Y., Doc. 12/227, *Parisian Mfg. Co., Inc.*, v. *Rudolph-Marged, Inc.*

Des. 124,485, F. M. Burns, Dress, filed Jan. 8, 1941, D. C., S. D. N. Y., Doc. 12/268, *Weinberg, Weinberg & Alpern* v. *S. Schwartz & Bro.* Same, filed Jan. 10, 1941, D. C., S. D. N. Y., Doc. 12/286, *Weinberg, Weinberg & Alpern* v. *Hi-Style Dresses, Inc.*

T. M. 330,556, J. R. Stimps, Radio antennas, D. C., N. D. Ill., E. Div., Doc. 15/730, *Northwest Radio Laboratories* v. *Montgomery Ward & Co.* Dismissed for want of prosecution on motion of defendant Nov. 12, 1940.

T. M. 358,242, Rio Grande Valley Citrus Exchange, Canned citrus fruit and fruit juices, filed Jan. 6, 1941, D. C., S. D. Tex. (Brownsville), Doc. 111, *Rio Grande Valley Citrus Exchange* v. *Quality Products, Inc.*

T. M. 362,095, Modern Necessities, Adhesive gauze, filed Dec. 30, 1940, D. C., N. D. Ill., E. Div. Doc. 2474, *Modern Necessities Co.* v. *National Bandages.*

Disclaimers

2,059,151.—*Ed S. Smith, Jr.*, Providence, R. I. TELEMETRIC PROPORTIONING SYSTEM. Patent dated October 27, 1936. Disclaimer filed January 30, 1941, by the assignee, *Builders Iron Foundry.*

Hereby disclaims from the scope of claim 1 of said Letters Patent any system or combination except one wherein the quantity controlled is a variable physical condition inherently subject to change with time, the value of which condition is regulated through signals corresponding with values of an independent master variable, and wherein a departure of said condition from a given value of said master variable is opposed by means controlled by said signals for maintaining said condition substantially at said given value.

2,059,152.—*Ed S. Smith, Jr.*, Providence, R. I. TELEMETRIC CONTROLLER. Patent dated October 27, 1936. Disclaimer filed January 30, 1941, by the assignee, *Builders Iron Foundry.*

Hereby disclaims from the scope of claims 4, 5, 6, 7, 8, 9, 11, 12, 13, 23, 26, 27, 30, 31, 32, 34, 35, and 37 of said Letters Patent any method, combination, or system except one wherein the quantity controlled is a variable physical condition inherently subject to change with time, the value of which condition is regulated through signals corresponding with values of an independent master variable, and wherein a departure of said condition from a given value of said master variable is opposed by means controlled by said signals for maintaining said condition substantially at said given value.

And further disclaims from the scope of claims 38 and 39 of said patent any system or combination except one wherein a continuously flowing substance is controlled in predetermined proportion to another substance.

2,059,774.—*Walter Caccia*, White Plains, N. Y. METHOD OF CONSTRUCTING SUBWAYS. Patent dated November 3, 1936. Disclaimer filed February 5, 1941, by the assignee, *John H. Unlandherm.*

Hereby enters this disclaimer to claims 5, 7, 11, 16, 17, and 20 in said Letters Patent.

2,077,353.—*Walter Caccia*, White Plains, N. Y. METHOD OF CONSTRUCTING A SUBWAY. Patent dated April 13, 1937. Disclaimer filed February 5, 1941, by the assignee, *John H. Unlandherm.*

Hereby enters this disclaimer to claim 1 in said patent.

2,142,606.—*Andre Leon Victor Clement Debrie*, Paris, France. CINEMATOGRAPHIC APPARATUS. Patent dated January 3, 1939. Disclaimer filed February 7, 1941, by the inventor.

Hereby disclaims claim 2 of said patent.

Changes in Classification

Order No. 3,539, February 15, 1941, directs:

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), abolish the following subclasses with their definitions:

1 **Miscellaneous.**
Methods
Wood treatment
Impregnation
14 Living tree.

The patents formerly contained in these subclasses have been placed in class 47, Plant Husbandry, subclass 57.5, established in this order.

In *class 23, Chemistry* (Division 59), abolish the following subclass with its definition:

Apparatus
Fertilizers
259.4 Tanks.

The patents formerly contained in this subclass have been placed for the most part in class 23, subclasses 285 and 290.5.

In *class 47, Plant Husbandry* (Division 1), abolish the following subclass with its definition:

57 **Miscellaneous machines and tools.**

The patents formerly contained in this subclass have been placed in class 47, subclass 57.5, established in this order, and in subclasses 1 and 58.

In *class 47, Plant Husbandry* (Division 1), establish the following subclass and definition:

57.5 Injection.

57.5. Devices for injecting materials into living plants, e. g., trees, and injection processes which are peculiar to the treatment of living plants.
(1) Note.—Many of the patents in this subclass are for the injection of coloring or preserving material into trees to produce colored or preserved timber.
(2) Note.—See this class, subclasses 48 and 49, for similar devices designed to be buried or inserted into the soil for applying weed-killing solutions, water or liquid manure.
(3) Note.—See class 21, PRESERVING, DISINFECTING AND STERILIZING, subclasses 15 and 16, for processes of injecting wood with coloring or preservative material when there is claimed limitation to cut timber or, if the claims are broad, disclose its application to cut timber.
(4) Note.—See class 21, PRESERVING, DISINFECTING AND STERILIZING, subclass 73, for similar devices which are designed for use with cut wood. Class 21 also takes injection devices disclosed as being usable with both cut or uncut wood, where the claims are not limited to use only with living plants.

The patents contained in this subclass have been taken from class 21, Preserving, Disinfecting and Sterilizing, subclass 14, abolished in this order, and from class 47, subclass 57, abolished in this order, and subclasses 1 and 58.

In *class 252, Compositions* (Division 64), change the title of subclass 37 by cancelling therein the words "or resins."

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), subclass 3, cancel note (2) and substitute:

(2) Note.—For coloring of growing timber by injection of coloring agents into living plants, see class 47, PLANT HUSBANDRY, subclass 57.5.

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), subclass 16, in note (1) cancel "this class, subclass 14" and substitute: *class 47, Plant Husbandry, subclass 57.5.*

In *class 23, Chemistry* (Division 39), in subclasses 280 and 285, cancel note (1).

In *class 47, Plant Husbandry* (Division 1), subclass 1, change the note to read:

Note.—See this class, subclass 58, for miscellaneous processes.

In *class 110, Furnaces* (Division 19), subclass 18, add the following note:

(3) Note.—For metallic receptacles capable of general application, even though disclosed for use as refuse burners, search class 220, METALLIC RECEPTACLES, appropriate subclasses, particularly subclass 19.

In *class 132, Toilet* (Division 53), subclass 27, in note (1) cancel "for comb cleaners of the brushing type" and substitute *for brushing type machines for cleaning combs*; and in subclass 79 add the following note:

(3) Note.—See class 206, SPECIAL RECEPTACLES AND PACKAGES, appropriate subclasses, for other special receptacles.

In *class 252, Compositions* (Division 64), in the main class definition, add the following note:

(5a) Note.—This class includes processes which involve no more than the mere use of well-drilling muds or liquid, plastic or fluent compositions specialized for use in earth boring. See class 255, EARTH BORING, for boring apparatus and significantly claimed processes including the use of the earth boring compositions.

In *class 260, Chemistry, Carbon Compounds* (Division 6), subclass 449, in the first sentence change "alcohols," second occurrence, to *aldehydes.*

In *class 294, Handling, Hand and Hoist-Line Implements* (Division 4), in the main class definition, note (4), in the reference to class 47, Plant Husbandry, change "57" to *1*; and in subclass 86, note (2) in the reference to class 47, change "57" to *1.*

Adjudicated Patents

(C. C. A. Ill.) Morris patent, No. 1,376,154, for electrical lighting device for cigars and the like, claims 1 and 2 *Held* invalid. *Casco Products Corporation* v. *Sinko Tool & Mfg. Co.*, 116 F.(2d) 119.

(C. C. A. Ill.) Zecchini patent, No. 1,437,701, for electric lighter, claims 1, 2, 3, and 4 *Held* not infringed, but invalid. *Id.*

(C. C. A. Ill.) Baldner patent, No. 1,570,032, for grease-dispensing apparatus, claims 2, 3, 4, and 13 *Held* not infringed. *Clapp* v. *Stewart Warner Corporation*, 116 F.(2d) 68.

(C. C. A. Ill.) Hammond patent, No. 1,620,548, for lighter for cigars and the like, claims 2 and 9 *Held* invalid. *Casco Products Corporation* v. *Sinko Tool & Mfg. Co.*, 116 F.(2d) 119.

(C. C. A. N. J.) Hayden patent, No. 1,684,671, for method of preventing evaporation from concrete during curing, claim 4 *Held* invalid. *Barber Asphalt Corporation* v. *La Fera Greceo Contracting Co.*, 116 F.(2d) 211.

(C. C. A. Ill.) Cohen patent, No. 1,710,348, for cigar lighter, *Held* not infringed. *Casco Products Corporation* v. *Sinko Tool & Mfg. Co.*, 116 F.(2d) 119.

(C. C. A. Ill.) Cohen patent, No. 1,710,531, for electrical device, claims 8, 12, and 17 *Held* not infringed. *Id.*

(C. C. A. Pa.) Lang patent, No. 1,803,262, for self-igniting oil motor, claims 1 and 2 *Held* not infringed. *Lanova Corporation* v. *National Supply Co.*, 116 F.(2d) 235.

(C. C. A. Ind.) Smith patent, No. 1,898,318, for comb attachment for carpet sweepers, claims 1, 2, and 4 *Held* valid. *E. R. Wagner Mfg. Co.* v. *Porter Steel Specialties*, 116 F.(2d) 63.

(C. C. A. Ill.) Copeland patent, No. 1,919,159, for cigar and cigarette lighter, claims 19 and 20 *Held* not infringed. *Casco Products Corporation* v. *Sinko Tool & Mfg. Co.*, 116 F.(2d) 119.

(C. C. A. Ill.) Cohen patent, No. 1,944,922, for igniting device for cigar-lighters, claim 6 *Held* not infringed. *Id.*

(C. C. A. Ill.) Cohen patent, No. 1,944,923, for cigar-lighter, claims 2 and 4 *Held* not infringed. *Id.*

(C. C. A. Ill.) Cohen patent, No. 1,944,924, for cigar-lighter, *Held* not infringed. *Id.*

(C. C. A. Ill.) Cohen patent, No. 1,944,925, for cigar-lighter, *Held* invalid. *Id.*

(C. C. A. N. Y.) Goldring patent, No. 2,070,390, for container and carrier for bottled goods, claims 3 and 4 *Held* not infringed. *Keith* v. *Charles E. Hires Co.*, 116 F.(2d) 46.

(C. C. A. N. Y.) Keith patent, No. 2,094,744, for bottle carrier, claims 1 and 2 *Held* not infringed. *Id.*

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 4, 1941

[VOL. 524. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 435,658. MAGNET COVE BARIUM CORPORATION, Jamestown, Tenn., and Malvern, Ark. Filed Sept. 4, 1940.

MAGCOBAR

FOR GROUND BARYTES.
Claims use since May 15, 1940.

Ser. No. 437,135. IROQUOIS COAL COMPANY, Chicago, Ill. Filed Oct. 21, 1940.



The word "Coal" is disclaimed apart from the mark.
FOR COAL.
Claims use since Sept. 10, 1940.

Ser. No. 438,299. THE CALCIBRITE CORPORATION, Pawtucket, R. I. Filed Nov. 28, 1940.

CALCIBRITE

FOR CALCIUM SULPHATE IN BULK FOR USE IN THE INDUSTRIAL ARTS.
Claims use since July, 1938.

CLASS 2

RECEPTACLES

Ser. No. 432,819. GRAVER TANK & MFG. CO. INC., East Chicago, Ind. Filed June 8, 1940.

VAPOR-MIZER

The word "Vapor" is disclaimed apart from the mark.
FOR VAPOR RESERVOIR TANKS FOR CONTROLLING THE VAPOR PRESSURE IN GASOLINE STORAGE TANKS.
Claims use since Jan. 16, 1940.

Ser. No. 439,753. INDEPENDENT SILO CO., St. Paul, Minn. Filed Jan. 17, 1941.

KOROK

FOR SILOS AND BLOCKS AND STAVES USED IN THE MANUFACTURE OF SILOS.
Claims use since May 13, 1936.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 438,774. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn. Filed Dec. 12, 1940.

ANCHORLOID

FOR ACCESSORIES FOR HARNESS AND SADDLERY—NAMELY, RINGS, BUCKLES, LOOPS, ORNAMENTS, AND TRIMMINGS.
Claims use since Feb. 7, 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 426,088. THE EMBALMER'S SUPPLY COMPANY, Westport, Conn. Filed Nov. 30, 1939.

ESCO

FOR SOAPS, ESPECIALLY ADAPTED FOR THE EMBALMING TRADE.
Claims use since Jan. 31, 1910.

Ser. No. 438,871. ELMER M. DE PENCIER, doing business as Permorite Products Co., Los Angeles, Calif. Filed Dec. 16, 1940.

PERMOSOL

FOR UPHOLSTERY CLEANER.
Claims use since October, 1936.

Ser. No. 439,164. MANHATTAN SOAP COMPANY, INC., New York, N. Y. Filed Dec. 24, 1940.

MY-DOG

The word "Dog" is disclaimed.
FOR SOAP.
Claims use since Dec. 15, 1940.

CLASS 5

ADHESIVES

Ser. No. 439,822. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Jan. 21, 1941.

LIFELINE

FOR GUMMED CLOTH AND SISAL TAPE.
Claims use since Oct. 1, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 428,277. ARTIESELSKABET GRINDSTEDVAERKET, Grindsted, Denmark. Filed Feb. 6, 1940.

Homodan

FOR EMULSIFYING, DISPERSING, WETTING, PENETRATING, AND WATER-BINDING AGENTS FOR GENERAL USE IN THE INDUSTRIAL ARTS OF MAKING CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.
Claims use since Sept. 21, 1936.

Ser. No. 435,133. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed Aug. 19, 1940.

AMIGEN

FOR DRUG PRODUCT CONSISTING OF A DRIED ENZYMIC HYDROLYSATE OF PURIFED CASEIN ADMINISTERED INTRAVENOUSLY.
Claims use since May 2, 1940.

Ser. No. 435,676. BRIDAL-PAC, INC., Manitou Springs, Colo. Filed Sept. 5, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

Bridal-Pac

FOR COLOGNE, POWDER BASE, LIQUID CLEANSER AND FRESHENER, CLEANSING CREAM, SPECIAL DRY SKIN MIXTURE, EYE CREME, MASCARA, LIPSTICK, ROUGE, EYE SHADOW, BUBBLE BATH, FACIAL PAC, EYEBROW-PENCIL, SHAMPOO, PERMANENT WAVE OIL, AND ASTRINGENTS.
Claims use since Jan. 2, 1940.

Ser. No. 436,319. PARFUMS CORDAY, INC., New York, N. Y. Filed Sept. 24, 1940.

Jet

FOR PERFUMES, TOILET WATERS.
Claims use since Sept. 17, 1940.

Ser. No. 438,104. AMERICAN SAND-BANUM COMPANY, INC., New York, N. Y. Filed Nov. 22, 1940.

SALUBAN

FOR LUBRICATING OIL CLEANERS, BEING CHEMICAL PREPARATIONS.
Claims use since Nov. 1, 1940.

Ser. No. 438,448. THE PHOSPHATE MINING COMPANY, New York, N. Y. Filed Dec. 2, 1940.

PM

FOR PHOSPHORIC ACID, PHOSPHATE ROCK, SUPERPHOSPHATE, TRIPLE SUPERPHOSPHATE, AMMONIUM PHOSPHATES, CALCIUM PHOSPHATES, SODIUM PHOSPHATES, PHOSPHORUS, PHOSPHORUS OXYCHLORIDE, PHOSPHORUS PENTOXIDE, FERRO-PHOSPHORUS, PHOSPHORUS CHLORIDES, POTASSIUM PHOSPHATES, AND PHOSPHORUS SULPHIDES FOR GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Nov. 27, 1940.

Ser. No. 438,519. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Dec. 4, 1940.

ANTILUSTROLE

FOR CHEMICAL PRODUCTS USED FOR THE DYEING AND FINISHING OF ALL FIBRES, YARNS, AND FABRICS AS WELL AS LEATHER AND PAPER.
Claims use since Jan. 1, 1935.

Ser. No. 438,717. ABBOTT LABORATORIES, North Chicago, Ill. Filed Dec. 11, 1940.

LUBRITINE

FOR LUBRICATING JELLY PARTICULARLY FOR APPLICATION TO CATHETERS AND OTHER INSTRUMENTS, THE OPERATOR'S HANDS AND GLOVES, AS WELL AS THE MUCOUS MEMBRANES IN RECTAL AND GYNECOLOGICAL EXAMINATIONS.
Claims use since June 3, 1916.

Ser. No. 438,996. ROUX DISTRIBUTING CO., New York, N. Y. Filed Dec. 18, 1940.

LAC-O-WAVE

The word "Wave" is disclaimed apart from the mark.
FOR WAVE SETTING LOTION FOR THE HAIR.
Claims use since Dec. 12, 1940.

Ser. No. 439,026. C. E. ROBINSON, Cleveland, Ohio, assignor to Plough, Inc., Memphis, Tenn., a corporation of Delaware. Filed Dec. 19, 1940.

DR. ROBINSON'S 3 WAY COMPLETE TOOTHACHE KIT

The words "Dr. Robinson's Complete Toothache Kit" are disclaimed apart from the mark.
FOR TOOTHACHE KIT.
Claims use since July 26, 1934.

Ser. No. 439,176. GLORIA ROPER, doing business as Vernille Studios, Oakland, Calif. Filed Dec. 24, 1940.

Vernille

FOR COSMETICS—NAMELY, CLEANSING CREAM, FOUNDATION FILM, CREME ROUGE, EYESHADOW, LIQUID FACIAL MASK, LUBRICATING CREAM, LIQUID CLEANSER, FACE POWDER, TALCUM POWDER, MEN'S AFTER-SHAVE POWDER, BATH POWDER, MASCARA, SKIN FRESHENER, CREAM AND LOTION FOR THE TREATMENT OF ACNE, HAND CREAM, POLISH REMOVER, SHAMPOO, OIL HAIR CONDITIONER, SUN OIL, PERFUME, COLOGNE, LIPSTICK, EYEBROW PENCIL, EYELASH CONDITIONER, AND WAX PREPARATION HAIR REMOVER.
Claims use since October, 1938.

Ser. No. 439,196. DURATEX CHEMICAL CORPORATION, New York, N. Y., assignor to Duratex Chemical Corporation, Englewood, N. J., a corporation of New Jersey. Filed Dec. 26, 1940.

MOTH FOE

FOR INSECTICIDE.
Claims use since Sept. 1, 1939.

Ser. No. 439,271. EVER-DRY CORPORATION, doing business as Tipstik Cosmetics, Los Angeles, Calif. Filed Dec. 30, 1940.

RALLY RED

The word "Red" is disclaimed apart from the name as shown.
FOR LIPSTICKS AND LIP ROUGE.
Claims use since Aug. 7, 1940.

Ser. No. 439,412. SIMON KLEINKRAMER, New York, N. Y. Filed Jan. 4, 1941.

ELISE

FOR HAND CREAM, PERFUME, COLD CREAM, SKIN CREAM, POMADE, ROUGE, FACE POWDER, BATH SALTS, BRILLIANTINE, NAIL POLISH, DEODORANT, NAIL POLISH REMOVER, LIPSTICKS, TOOTHPASTE, MOUTH WASH, AND SHAMPOO.
Claims use since Dec. 14, 1940.

Ser. No. 439,413. SIMON KLEINKRAMER, New York, N. Y. Filed Jan. 4, 1941.

Turelle

FOR HAND CREAM, PERFUME, COLD CREAM, SKIN CREAM, POMADE, ROUGE, FACE POWDER, BATH SALTS, BRILLIANTINE, NAIL POLISH, DEODORANT, NAIL POLISH REMOVER, LIPSTICKS, TOOTHPASTE, MOUTH WASH AND SHAMPOO.
Claims use since Dec. 14, 1940.

Ser. No. 439,661. W. B. McDOWELL, Shelton, S. C. Filed Jan. 14, 1941.

FOR COMPOUND FOR FORTIFYING SOFT DRINKS WITH VITAMIN B-1.
Claims use since Dec. 30, 1940.

Ser. No. 439,750. CHARLES OF THE RITZ, INC., New York, N. Y. Filed Jan. 17, 1941.

Fandango

FOR LIPSTICKS.
Claims use since Jan. 9, 1941.

Ser. No. 439,772. DERMETICS, INC., Seattle, Wash. Filed Jan. 18, 1941.

Hemo Glo

FOR LIPSTICK, LIP ROUGE, ROUGE FOR THE FACE, FACE POWDER, BODY POWDER, EYE SHADOW, EYE LASH DARKENER, NAIL POLISHES OR ENAMELS.
Claims use since Dec. 1, 1940.

Ser. No. 439,816. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Jan. 21, 1941.

HOMICEBRIN

FOR MEDICINAL PREPARATION OF HOMOGENIZED VITAMINS A, B_1, B_2, C, AND D, WHICH IS USEFUL IN THE TREATMENT OF DEFICIENCIES OF THE VITAMINS REPRESENTED IN THE FORMULA.
Claims use since Jan. 2, 1941.

Ser. No. 439,817. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Jan. 21, 1941.

MULTICEBRIN

FOR MEDICINAL PREPARATION OF PAN-VITAMINS CONTAINING VITAMINS A, B_1, B_2 (G), B_6, C, D, NICOTINAMIDE, AND PANTOTHENIC ACID, USEFUL AS A PROPHYLACTIC AGAINST VITAMIN DEFICIENCIES.
Claims use since Jan. 2, 1941.

Ser. No. 439,846. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Jan. 21, 1941.

Epinephricaine

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF HEMORRHOIDS.
Claims use since Dec. 14, 1940.

Ser. No. 439,847. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Jan. 21, 1941.

Racephricol

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF COUGHS.
Claims use since Dec. 10, 1940.

Ser. No. 439,848. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Jan. 21, 1941.

Zylate

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF SCABIES.
Claims use since Dec. 10, 1940.

Ser. No. 439,885. X. B. A. CHEMICAL COMPANY, Lexington, N. C. Filed Jan. 22, 1941.

X·B·A·

FOR X. B. A. FOOT AND BODY POWDER.
Claims use since 1920.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 437,374. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940.

ALL-IN-ONE

FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since May 31, 1928.

Ser. No. 437,375. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940.

BALANCED

FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since July 24, 1934.

Ser. No. 437,378. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940.

BULLET

FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since Apr. 11, 1928.

Ser. No. 437,379. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940.

Indestructo

FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since Nov. 13, 1924.

Ser. No. 437,382. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940.

PAR 100% VALUE ALWAYS

The notation "100% Value Always" is not claimed as part of the mark.
FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since Feb. 12, 1935.

Ser. No. 437,383. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940.

PLACID

FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since Jan. 1, 1929.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 432,152. PHENIX MANUFACTURING COMPANY, INC., Milwaukee, Wis. Filed May 20, 1940.

PHENIX

FOR SCREEN WINDOW SASH, STORM WINDOW SASH, COMBINATION DOORS, AND SCREEN DOORS.
Claims use since 1900.

Ser. No. 434,713. THE DENVER FIRE CLAY COMPANY, Denver, Colo. Filed Aug. 6, 1940.

DFC Zephyr

FOR INSULATING BRICK.
Claims use since July 11, 1940.

Ser. No. 435,650. THE FREIBERG MAHOGANY COMPANY, Cincinnati, Ohio. Filed Sept. 4, 1940.

GENUINE FREIMACO MAHOGANY

Petitioner disclaims the words "Genuine Mahogany."
FOR MAHOGANY WOODS AND VENEERS.
Claims use since May 20, 1940.

Ser. No. 439,037. BEAVER PORTLAND CEMENT COMPANY, Portland and Gold Hill, Oreg. Filed Dec. 20, 1940.

BEAVER

FOR PORTLAND CEMENT.
Claims use since 1914.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 427,081. MAJESTIC HANDLE COMPANY, Chicago, Ill. Filed Jan. 2, 1940.

Zip Permatone VAC-U-HOOK

No claim is made to the word "Hook" apart from the mark.
FOR VACUUM HOOKS.
Claims use since July 15, 1939.

Ser. No. 437,116. SALMAN BERMANN, doing business as Snap Towel Holder Manufacturing Company, Los Angeles, Calif. Filed Oct. 21, 1940.

SNAP

FOR WALL SUPPORTED, PERFORATED, RUBBER DISC EQUIPPED TOWEL HOLDERS.
Claims use since Sept. 15, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 438,070. THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio. Filed Nov. 20, 1940.



Applicant disclaims "28" apart from the mark. The drawing is lined for shading.

FOR LUBRICATING OILS AND GREASES.
Claims use since January, 1937.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 437,342. ANNE LUCAS, doing business as Robert M. Lucas Co., Chicago, Ill. Filed Oct. 28, 1940.

WEATHERMASTER

FOR PAINTS.
Claims use since Jan. 3, 1940.

Ser. No. 438,482. INERTOL COMPANY, INC., New York, N. Y. Filed Dec. 3, 1940.

RAMUC

FOR WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Nov. 16, 1934.

Ser. No. 438,483. INERTOL COMPANY, INC., New York, N. Y. Filed Dec. 3, 1940.

TOREX

FOR WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Sept. 10, 1938.

Ser. No. 438,704. RED-BAR BATTERY COMPANY, Dayton, Ohio. Filed Dec. 10, 1940.

A-D-A

FOR GENERAL LINE OF PAINTS AND PAINT PRODUCTS—NAMELY, READY-MIXED PAINTS, PAINT ENAMELS, LACQUERS, PRIMERS, SURFACERS, PAINT THINNERS, VARNISHES, AND SYNTHETIC PAINT ENAMELS.
Claims use since Apr. 12, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 415,311. THE RADIART CORPORATION, East Cleveland, Ohio. Filed Apr. 15, 1939.



FOR PARTS AND EQUIPMENT USED FOR AND IN CONNECTION WITH RADIO RECEIVING APPARATUS.
Claims use since Jan. 1, 1939.

Ser. No. 427,606. FRANK T. WINSTON, doing business as Winston Steel & Tube Company, Warren, Ohio. Filed Jan. 18, 1940.

FRANKMASTER

FOR ELECTRICAL APPLIANCES USED IN THE GRILLING AND ROASTING OF FRANKFURTERS BY ELECTRICITY.
Claims use since Dec. 15, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 399,747. RICHARD F. CONWAY, Chicago, Ill. Filed Nov. 15, 1937.

COMPRIZE

FOR PUNCH BOARDS.
Claims use since Nov. 12, 1937.

Ser. No. 399,748. RICHARD F. CONWAY, Chicago, Ill. Filed Nov. 15, 1937.

ENTERPRIZE

FOR PUNCH BOARDS.
Claims use since Nov. 12, 1937.

Ser. No. 399,749. RICHARD F. CONWAY, Chicago, Ill. Filed Nov. 15, 1937.

SURPRIZE

FOR PUNCH BOARDS.
Claims use since Nov. 12, 1937.

Ser. No. 439,931. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Jan. 24, 1941.

SKILKAST

FOR FISHING REELS.
Claims use since Jan. 9, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 438,972. BENRUS WATCH CO., INC., New York, N. Y. Filed Dec. 18, 1940.

DEFENDER

FOR WATCHES AND WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT.
Claims use since Feb. 20, 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 438,355. RICH & FRANCE, INC., Chicago, Ill. Filed Nov. 29, 1940.

Pastel

FOR BROOMS, CLOTHES BRUSHES, AND WHISKBROOMS.
Claims use since January, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 439,867. GRAND RAPIDS FURNITURE MAKERS GUILD, Grand Rapids, Mich. Filed Jan. 22, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Guild-Hall

FOR WOODEN AND UPHOLSTERED FURNITURE, INCLUDING BEDS, DRESSERS, TABLES, MIRRORS, STOOLS, CHAIRS, HIGHBOYS, LOWBOYS, SIDEBOARDS, CHINA CABINETS, DAVENPORTS, LOVE SEATS, SOFAS, CHAISE LOUNGES, DESKS, CABINETS, CHESTS, CONSOLES, WINDOW SEATS, HASSOCKS, LAMP STANDS, TEA CARTS, BOOK CABINETS, DAYBEDS, AND HOPE CHESTS.
Claims use since Dec. 31, 1940.

Ser. No. 439,990. BARCALO MANUFACTURING COMPANY, Buffalo, N. Y. Filed Jan. 27, 1941.

LOUNGET

FOR COUCHES, LOUNGES, COTS, SOFAS, AND SETTEES.
Claims use since Dec. 24, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 438,733. GUIBERSON OIL HEATER CO., Dallas, Tex. Filed Dec. 11, 1940.



FOR OIL SPACE HEATERS.
Claims use since Sept. 4, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 428,693. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Feb. 19, 1940.

PHOTOSIDING

FOR BACKGROUND PAPER SHEETS FOR DISPLAY PURPOSES IN VIEWING CUT-OUT PHOTOGRAPHS OF HOUSES, HOMES, DWELLINGS, HOTELS, ETC.
Claims use since Jan. 1, 1940.

Ser. No. 438,573. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Dec. 6, 1940.

KIMFECT

FOR BOOK PAPER.
Claims use since Nov. 26, 1940.

Ser. No. 438,944. HAWLEY PULP AND PAPER COMPANY, Oregon City, Oreg. Filed Dec. 17, 1940.

Cheviot

FOR "MIMEOGRAPH", BRISTOL, AND WRAPPING PAPER.
Claims use since Dec. 13, 1933.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 429,841. COLUMBIA RECORDING CORPORATION, New York, N. Y. Filed Mar. 22, 1940.

ADD-A-PART

FOR SHEET MUSIC.
Claims use since Jan. 11, 1940.

Ser. No. 432,026. ROBERT CRAWFORD, San Francisco, Calif. Filed May 17, 1940.



FOR PHOTOGRAPHIC PRINTS.
Claims use since Apr. 1, 1938.

Ser. No. 435,224. THE TALKING BOOK CORPORATION OF AMERICA, INC., New York, N. Y. Filed Aug. 21, 1940.

TALKING BOOK

No claim is made to the word "Book" apart from the mark.
FOR BOOKS ADAPTED FOR USE WITH PHONOGRAPH RECORDS.
Claims use since Nov. 1, 1939.

Ser. No. 436,294. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed Sept. 23, 1940.

Willard SALESMAKER

The word "Willard" is disclaimed apart from the mark.
FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since Mar. 29, 1937.

Ser. No. 436,327. TRIBUNE COMPANY, Chicago, Ill. Filed Sept. 24, 1940.

STREAMER KELLY

The name "Streamer Kelly" is the name of a fictitious character appearing from day to day in applicant's comic strip.
FOR SERIES OF CARTOONS.
Claims use since Sept. 15, 1940.

Ser. No. 436,653. KURYER PUBLISHING COMPANY, Cleveland, Ohio. Filed Oct. 4, 1940.

KURYER
ZJEDNOCZENIA

FOR NEWSPAPER.
Claims use since July 1, 1939.

Ser. No. 437,022. DONALD C. ALFORD, New York, N. Y. Filed Oct. 17, 1940.

The MODERN Baby

FOR MAGAZINE OR PERIODICAL ISSUED MONTHLY.
Claims use since Sept. 15, 1940.

Ser. No. 437,293. TRIBUNE COMPANY, Chicago, Ill. Filed Oct. 25, 1940.

LEW LOYAL

The name Lew Loyal is the name of a fictitious character appearing from day to day in applicant's comic strip.
FOR SERIES OF CARTOONS.
Claims use since Oct. 13, 1940.

Ser. No. 438,237. THE EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Nov. 26, 1940.

KODAK

FOR MONTHLY MAGAZINES, PERIODICALS CONTAINING NEWS OF PHOTOGRAPHIC GOODS AND PRODUCTS, MONTHLY HOUSE ORGAN, DATA BOOKS FOR PHOTOGRAPHIC GOODS AND MATERIALS, AND PHOTOGRAPHIC REFERENCE HANDBOOK.
Claims use since December, 1899, on monthly magazines; since January, 1915, on periodicals containing news of photographic goods and products; since June, 1920, on a monthly house organ; since July 5, 1939, on data books for photographic goods and materials; and since November 15, 1940, on a photographic reference handbook.

Ser. No. 438,827. THE ASSOCIATED PRESS, New York, N. Y. Filed Dec. 14, 1940.

"STRICTLY PRIVATE"

FOR SERIES OF CARTOONS.
Claims use since Nov. 1, 1940.

Ser. No. 439,033. VOLITANT PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 19, 1940.

LAFF

FOR MAGAZINE PUBLICATION.
Claims use since Nov. 1, 1939.

Ser. No. 439,060. TRIBUNE COMPANY, Chicago, Ill. Filed Dec. 20, 1940.

FIGHTING WITH DANIEL BOONE

FOR SERIES OF CARTOONS.
Claims use since Dec. 1, 1940.

Ser. No. 439,124. PATTERSON PUBLISHING COMPANY, Chicago, Ill. Filed Dec. 23, 1940.

The American Restaurant Institute

The term "American" is disclaimed apart from the mark.
FOR SECTION OF A PERIODICAL.
Claims use since November, 1940.

CLASS 39

CLOTHING

Ser. No. 426,541. RAYON CORPORATION OF AMERICA, Allentown, Pa. Filed Dec. 13, 1939.

"KEEP YOUR SHIRT ON"

No claim is made to the word "Shirt" apart from the mark.
FOR MEN'S, BOYS', AND CHILDREN'S POLO SHIRTS, UNDER-SHIRTS, GLOVES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF, UNDER SHORTS, COATS, HATS, NECKTIES, SUITS, STOCKINGS, PAJAMAS, UNDERWEAR, COLLARS, SCARFS, AND DRESS, NEGLIGEE, AND WORK SHIRTS; LADIES' UNDERGARMENTS—NAMELY, SHIRTS, BLOOMERS, PANTIES, BRASSIÈRES, SLIPS; LADIES' NIGHTGOWNS AND PAJAMAS; LADIES' OUTERGARMENTS, NAMELY, BLOUSES, SHORTS, STOCKINGS, DRESSES, SUITS, SCARFS, COLLARS, COATS, SKIRTS, SHIRTS, TIES, HATS, AND GLOVES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF; BABYS' SHIRTS, PANTIES, HATS, STOCKINGS, BOOTIES, COATS, SUITS, BIBS, AND GLOVES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF; BOYS' AND CHILDREN'S BLOUSES; GIRLS' OUTER SKIRTS, BLOOMERS, NIGHTGOWNS AND DRESSES.
Claims use since Oct. 10, 1939.

Ser. No. 435,941. KRUMHOLZ & LICHTBLAU, doing business as Kel-Ray Knitting Mills, New York, N. Y. Filed Sept. 13, 1940.

KELSTRIPE

FOR LADIES', MISSES', AND CHILDREN'S PANTIES, STEP-INS, I. E., UNDERDRAWERS, BANDEAUS, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS.
Claims use since June 1, 1940.

Ser. No. 436,559. H. J. AXLER & SONS, Denver, Colo. Filed Oct. 2, 1940.



No claim is made to the words "Air Hostess" except as shown.
FOR MISSES' OR CHILDREN'S BLOUSES, DRESSES, SLACK SUITS OR SPORTS PLAYSUITS.
Claims use since June 20, 1940.

Ser. No. 436,623. SAMUEL F. NEWMARK, doing business as Reingold Hosiery Co., New York, N. Y. Filed Oct. 3, 1940.

GOLDMARK WEARLON

FOR HOSIERY.
Claims use since Aug. 1, 1940.

Ser. No. 437,236. ABE BIRENBAUM, doing business as A. H. Pearl and Pearl Shoe Company, Philadelphia, Pa. Filed Oct. 24, 1940.

De-Novia Beautiful A. H. Pearl

The word "Beautiful" is disclaimed apart from the mark.
FOR SHOES OF LEATHER, CLOTH, AND RUBBER, AND COMBINATIONS THEREOF.
Claims use since Oct. 17, 1940.

Ser. No. 437,839. STENCHEVER'S, INC., Paterson, N. J. Filed Nov. 13, 1940.



FOR SHOES MADE OF LEATHER, FABRIC OR RUBBER, OR COMBINATIONS OF SAID MATERIALS.
Claims use since Jan. 1, 1939.

Ser. No. 437,981. WASHINGTON MANUFACTURING COMPANY, Nashville, Tenn. Filed Nov. 16, 1940.

All-Over-Alls

No claim is made to the words "Over-Alls" apart from the mark.
FOR OVERALL SUITS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Oct. 16, 1940.

Ser. No. 438,154. MORRIS REISMAN, New York, N. Y. Filed Nov. 22, 1940.

Dunnhill

FOR GARTERS, SUSPENDERS, AND BELTS IN THE NATURE OF GARMENT SUPPORTERS.
Claims use since Nov. 1, 1940.

Ser. No. 438,235. CAPSON HAT COMPANY, INC., Fall River, Mass. Filed Nov. 26, 1940.

Stratton

FOR MEN'S HATS.
Claims use since Apr. 10, 1940.

Ser. No. 438,312. MOE LEVY & SON, INC., New York, N. Y. Filed Nov. 28, 1940.

STUARTS CLOTHES

The word "Clothes" is disclaimed apart from the mark.
FOR MEN'S SUITS, OVERCOATS, TOPCOATS, TUXEDOS, FULL DRESS SUITS, SPORT SLACKS, SLACK SUITS, SPORT COATS, UNDERSHIRTS, OUTER SHIRTS, NECKTIES, UNDERWEAR, AND SOCKS.
Claims use since Aug. 1, 1940.

Ser. No. 438,334. DANIEL GREEN COMPANY, Dolgeville, N. Y. Filed Nov. 29, 1940.

DEEGEE

FOR SHOES AND SLIPPERS MADE OF LEATHER OR FABRIC, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Nov. 18, 1940.

Ser. No. 438,408. STERN, MERRITT CO., INC., New York, N. Y. Filed Nov. 30, 1940.

CEZANNE

FOR NECKTIES.
Claims use since Sept. 1, 1940.

Ser. No. 438,413. STERN, MERRITT CO., INC., New York, N. Y. Filed Nov. 30, 1940.

TAREYTON

FOR NECKTIES.
Claims use since Sept. 1, 1940.

Ser. No. 438,576. MEADOWBROOK SPORTSWEAR, INC., New York, N. Y. Filed Dec. 6, 1940.

DUNNER "Active Swing"

The name "Dunner" is disclaimed apart from the mark.
FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES OF WOVEN AND KNITTED FABRICS.
Claims use since July 11, 1940.

Ser. No. 438,603. BERK COMPANY, INC., New York, N. Y. Filed Dec. 7, 1940.

Young Deb

The picture of a girl is fanciful.
FOR GIRLS' AND MISSES' DRESSES, COATS, SUITS, SWEATERS, BLOUSES, OUTER SKIRTS, BATHING SUITS, PLAYSUITS, DRESSING ROBES, NEGLIGEES, UNDERWEAR, PAJAMAS, GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THE TWO MATERIALS, HOSIERY, AND SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THE TWO MATERIALS.
Claims use since Aug. 1, 1940.

Ser. No. 438,623. MAYFLOWER DRESS CO., INC., New York, N. Y. Filed Dec. 7, 1940.

ON THE RECORD FASHIONS

The word "Fashions" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' DRESSES, BLOUSES, SKIRTS, AND JACKETS.
Claims use since Jan. 3, 1939.

Ser. No. 438,718. BANCROFT WALKER COMPANY, Waltham, Mass. Filed Dec. 11, 1940.

Ped-Ami Shoes

Applicant disclaims the word "Shoes" apart from the mark.
FOR LEATHER SHOES, FABRIC SHOES, AND SHOES OF LEATHER AND FABRIC.
Claims use since Dec. 4, 1940.

Ser. No. 438,761. VERA F. FULTON, Gallipolis, Ohio. Filed Dec. 12, 1940.

PEACE

FOR APRONS FOR WOMEN AND CHILDREN, DRESSES, AND UNIFORMS FOR SERVICE.
Claims use since No. 4, 1940.

Ser. No. 438,813. DAN PALTER, New York, N. Y. Filed Dec. 13, 1940.

DeLiso Debs
DESIGNED BY PALTER/DeLISO

The words "Designed by Palter" are disclaimed apart from the mark.
FOR BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Oct. 21, 1938.

Ser. No. 438,899. PENALJO, INC., St. Louis, Mo. Filed Dec. 16, 1940.

PENALJO PROCESS

The word "Process" is disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Nov. 30, 1940.

Ser. No. 438,961. WILLIAM SKINNER & SONS, Holyoke, Mass. Filed Dec. 17, 1940.

JackleTwill

The word "Twill" is disclaimed apart from the mark.
FOR SPORT JACKETS, JOCKEY CAPS, AVIATORS' JUMPERS, BASKETBALL TRUNKS, MAJORETTES' UNIFORMS, SOFT BALL UNIFORMS, ATHLETIC SHOES, HATS, SHOES, FOOTBALL PANTS, BAND UNIFORMS, DRIVE-IN UNIFORMS, SLIPPERS, INDUSTRIAL UNIFORMS, CAPS, SHOE LININGS, SKI ENSEMBLES, SPORT JACKETS, FIGHTERS' TRUNKS, AND BAND SHAKOWS.
Claims use since May 26, 1936.

Ser. No. 439,047. IMPEX, INC., New York, N. Y. Filed Dec. 20, 1940.

vanress

FOR STOCKINGS AND BATHING SUITS.
Claims use since Nov. 10, 1940.

Ser. No. 439,058. TAILORED SILK UNDERGARMENT CO. INC., New York, N. Y. Filed Dec. 20, 1940.

SHAR-LOO

FOR WOMEN'S AND MISSES' SLIPS AND NIGHTGOWNS.
Claims use since Dec. 9, 1940.

Ser. No. 439,085. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill. Filed Dec. 21, 1940.

FARMER'S FRIEND

FOR WORK GLOVES OF FABRIC.
Claims use since July 31, 1940.

Ser. No. 439,160. FRIEDMAN HOSIERY CORP., New York, N. Y. Filed Dec. 24, 1940.



FOR HOSIERY.
Claims use since Dec. 1, 1940

Ser. No. 439,420. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Jan. 4, 1941.



FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES AND CHILDREN'S CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.
Claims use since Nov. 15, 1940.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 438,499. BEAM MANUFACTURING COMPANY, Muncie, Ind. Filed Dec. 4, 1940.

KRYST KLEAR

Applicant disclaims the word "Klear."
FOR BEAD CORDS.
Claims use since Apr. 1, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 407,131. COPEMAN LABORATORIES COMPANY, Flint, Mich. Filed June 6, 1938.

FIBER BONDED

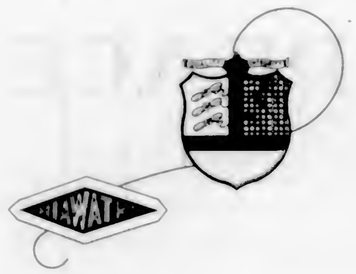
FOR TREATED TEXTILE FABRICS.
Claims use since Feb. 8, 1935

Ser. No. 436,874. THE ASPINOOK CORPORATION, Jewett City, Conn. Filed Oct. 12, 1940.

PERMASET

FOR ALL COTTON, ALL RAYON, AND COMBINATIONS OF COTTON AND RAYON, COTTON AND ACETATE, RAYON AND ACETATE, AND RAYON AND WOOL FABRICS IN THE PIECE.
Claims use since Sept. 18, 1940.

Ser. No. 437,338. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y. Filed Oct. 28, 1940.



The word "Quality" is disclaimed apart from the mark.
FOR OPEN MESH PIECE GOODS USED FOR EMBROIDERY AND NEEDLE POINT WORK.
Claims use since Apr. 1, 1937.

Ser. No. 438,384. THE ERWIN COTTON MILLS COMPANY, Durham, N. C. Filed Nov. 30, 1940.



The word "White" is disclaimed apart from the mark.
FOR SHEETS AND PILLOW CASES.
Claims use since June 15, 1939.

Ser. No. 438,773. NEW YORK MERCHANDISE CO. INC., New York, N. Y. Filed Dec. 12, 1940.



The word "Loom" is disclaimed apart from the mark.
FOR TABLECLOTHS AND NAPKINS MADE OF COTTON AND RAYON FABRICS BOTH IN THE PLAIN AND DAMASK WEAVES.
Claims use since March, 1940.

Ser. No. 439,096. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Dec. 23, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

Cord-O-Teca

The syllable "Cord" is disclaimed apart from the mark.
FOR PIECE GOODS CONTAINING CELLULOSE ACETATE RAYON.
Claims use since Nov. 15, 1940.

Ser. No. 439,125. PEDIGREE FABRICS INC., New York, N. Y. Filed Dec. 23, 1940.



Applicant disclaims the word "Crepe" apart from the mark.
FOR RAYON AND ACETATE FABRICS IN THE PIECE.
Claims use since Mar. 18, 1940.

Ser. No. 439,216. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Dec. 27, 1940.



The words "Rayon" and "Man-Made Yarns" are disclaimed apart from the mark.
FOR PIECE GOODS COMPOSED WHOLLY OR IN PART OF YARN OF ARTIFICIAL ORIGIN.
Claims use since Nov. 13, 1940.

Ser. No. 439,291. MARVLO MILLS, INC., New York, N. Y. Filed Dec. 30, 1940.

MARVLPERM
DURABLE FINISH

The words "Durable Finish" are disclaimed apart from the mark.
FOR PIECE GOODS OF COTTON, LINEN, ARTIFICIAL AND NATURAL SILK GOODS AND SYNTHETIC (RAYON AND ACETATE) TEXTILE FABRICS, PLAIN, COLORED AND PRINTED.
Claims use since Sept. 15, 1940.

Ser. No. 439,298. PHILIP SHLANSKY & BRO., INC., New York, N. Y. Filed Dec. 30, 1940.

SILVA FLEECE

The word "Fleece" is disclaimed apart from the mark.
FOR PILE FABRICS IN THE PIECE OF COTTON BASE, COMBINATION WOOL AND MOHAIR USED IN THE MANUFACTURE OF LADIES' COATS AND MUFFS.
Claims use since Dec. 18, 1939.

Ser. No. 439,402. L. BACHMANN & CO., INC., New York, N. Y. Filed Jan. 4, 1941.

WORSTETONE

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since Nov. 1, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 434,728. SCHUMER-FRIEDMAN CORPORATION, New York, N. Y. Filed Aug. 6, 1940.



The word "Yarn" and the representation of the cop of yarn are disclaimed apart from the mark.
FOR RAYON, COTTON, WOOL, ZEPHYR, CHENILLE, AND NOVELTY YARN.
Claims use since July 1, 1939.

Ser. No. 438,987. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Dec. 17, 1940.

BABYFAIR

FOR YARNS.
Claims use since Dec. 3, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 436,105. VITA ZAHNFABRIK H. RAUTER O. H. G., Essen, Germany. Filed Sept. 18, 1940.

Vita Lumin

FOR ARTIFICIAL TEETH.
Claims use since Mar. 31, 1939.

Ser. No. 437,621. MORTON HAGUE, doing business as Dentalator Products, Chicago, Ill. Filed Nov. 6, 1940.

DENTALATOR

FOR SANITARY CONTAINER FOR FALSE TEETH AND REMOVABLE DENTAL BRIDGES.
Claims use since Aug. 16, 1940.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 437,216. GEORGE M. PARIS & COMPANY, INC., Lexington and Cambridge, Mass. Filed Oct. 23, 1940.

Superrex

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS, ESPECIALLY GINGER ALE AND GINGER ALE EXTRACTS.
Claims use since Aug. 1, 1940.

Ser. No. 437,217. GEORGE M. PARIS & COMPANY, INC., Lexington and Cambridge, Mass. Filed Oct. 23, 1940.



FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS, ESPECIALLY GINGER ALE AND GINGER ALE EXTRACTS.
Claims use since Aug. 1, 1940.

Ser. No. 437,643. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed Nov. 7, 1940.



No claim is made to the representation of a bottle.
FOR NON-ALCOHOLIC MALTLESS BEVERAGE.
Claims use since Mar. 15, 1940.

Ser. No. 439,014. CONSOLIDATED BEVERAGES, INC., Louisville, Ky. Filed Dec. 19, 1940.



The portrait is fanciful.
FOR NON-ALCOHOLIC MALTLESS BEVERAGES.
Claims use since November, 1940.

Ser. No. 439,407. H. A. CASTLEMAN, Las Vegas, Nev. Filed Jan. 4, 1941.

A pal for the palate

DIVORCEE

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Aug. 18, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 418,363. JOHN G. RAUSER, doing business as Rauser Sausage Co., Grand Rapids, Mich. Filed Apr. 17, 1939.



FOR SAUSAGE.
Claims use since Mar. 1, 1934.

Ser. No. 427,097. JOSEPH L. CLARK, doing business as J. L. Chicle Co., Pittsburgh, Pa. Filed Jan. 3, 1940.

CHUMS

FOR CHEWING GUM.
Claims use since Oct. 1, 1939.

Ser. No. 428,299. M. M. BOYD, doing business as Boyd Coffee Company, Fort Worth, Tex. Filed Feb. 7, 1940.



The drawing is lined for red, blue, brown, yellow, and green.
FOR COFFEE.
Claims use since Aug. 1, 1934.

Ser. No. 430,932. ANDREW SOMMA, Miami Beach, Fla. Filed Apr. 18, 1940.

THUMBITS

FOR STEAK SAUCE.
Claims use since Nov. 15, 1939.

Ser. No. 431,851. DIXIE MILLS COMPANY, East St. Louis, Ill. Filed May 13, 1940.



Trade-Marks No. 86,437, No. 296,976, No. 296,977 and No. 340,818 are owned by this applicant. The drawing is lined for blue and red.
FOR LIVESTOCK AND DAIRY FEEDS AND INGREDIENTS ENTERING INTO THE COMPOSITION OF THE SAME--NAMELY, HEIFER GROWING FEED, CALF MEAL, MILKING GOAT FEED, DRY AND FRESHENING FEED, WHEAT BRAN, STEER FEED, LAMB AND SHEEP FEED, RABBIT FEED, AND WHEAT MIDDLINGS.
Claims use since Feb. 1, 1940.

Ser. No. 431,853. DIXIE MILLS COMPANY, East St. Louis, Ill. Filed May 13, 1940.



Trade-Marks No. 86,437, No. 296,976, No. 296,977 and No. 340,818 are owned by this applicant. The drawing is lined for blue and red.

FOR POULTRY FEEDS AND INGREDIENTS ENTERING INTO THE COMPOSITION OF THE SAME—NAMELY, HEN FEED, CORN AND WHEAT SCRATCH, DEVELOPING FEED, CHICK FEED, CHICK MASH, STARTER AND GROWER MASH, BROILER MASH, GROWING MASH, TURKEY STARTER AND DEVELOPING MASH, TURKEY GROWING MASH, TURKEY BREEDER MASH, LAYING MASH, EGG MASH, ALL PURPOSE MASH, MIXER MASH, DUCK DEVELOPING AND FATTENING MASH, FATTENING MASH, CONTROL MASH, MEAT AND BONE SCRAPS, AND SPECIAL CORN CHOPS.

Claims use since Feb. 1, 1940.

Ser. No. 432,341. FARMER BROS. CO., Los Angeles, Calif. Filed May 25, 1940.

Sierra BRAND

Applicant owns trade-mark registration No. 131,457.

No claim is made to the word "Brand" apart from the mark.

FOR COFFEE, TEA, SPICES, EXTRACTS USED FOR FLAVORING FOODS—NAMELY, PURE VANILLA, PURE ORANGE, PURE LEMON, PURE ALMOND, IMITATION NECTAR, IMITATION STRAWBERRY, IMITATION BANANA, AND GELATIN BASE DESSERTS.

Claims use since July 10, 1918.

Ser. No. 434,848. J. HOWARD SMITH, New York, N. Y. Filed Aug. 9, 1940.

HI-VIT-OL

FOR FISH MEAL USED AS AN INGREDIENT IN FEED FOR POULTRY AND OTHER DOMESTIC ANIMALS.

Claims use since Apr. 30, 1940.

Ser. No. 435,931. COFFEE PRODUCTS OF AMERICA, INC. LTD., Los Angeles, Calif., now, by change of name, Ben Hur Products, Inc., a corporation of Delaware. Filed Sept. 13, 1940.

BEN HUR

SEASON-ALL

Applicant is the owner of trade-mark registration No. 216,986, dated Aug. 24, 1926, and No. 267,044, dated Feb. 11, 1930. The word "Season-All" is disclaimed apart from the mark.

FOR COMPOUND PREPARATION FOR USE AS AN INGREDIENT TO ADD ZEST AND FLAVOR TO FOODS.

Claims use since June 1, 1938.

Ser. No. 436,713. W. N. CLARK COMPANY, Rochester, N. Y. Filed Oct. 8, 1940.

GOOD NATURE

FOR CANNED FRUITS, VEGETABLES, AND APPLESAUCE.

Claims use since Aug. 27, 1940.

Ser. No. 436,972. ROSE KALICH, doing business as M. L. Kalich & Co., Watsonville, Calif. Filed Oct. 15, 1940.

TWINS

FOR FRESH DECIDUOUS FRUITS — NAMELY FRESH APPLES AND FRESH VEGETABLES—NAMELY, FRESH LETTUCE.

Claims use since 1913.

Ser. No. 437,099. NORDIC BAKING AND IMPORTING COMPANY, Seattle, Wash. Filed Oct. 19, 1940.



FOR PREPARED FOOD PRODUCTS — NAMELY, CANNED CHICKEN LIVER PATE, CANNED CHICKEN SANDWICH SPREAD, CANNED DICED CHICKEN FOR CREAMING AND SALAD, CANNED BONED CHICKEN, CANNED CHICKEN BROTH, CANNED CHICKEN TAMALE, CANNED CHICKEN AND EGG NOODLES AND RYE WAFERS.

Claims use since Nov. 1, 1937.

Ser. No. 437,404. CHICAGO FOOD PRODUCTS CO., Chicago, Ill. Filed Oct. 30, 1940.

SILVER SKILLET

Applicant is the owner of T. M. registration No. 333,973, registered Apr. 14, 1936.

FOR CHILI CON CARNE AND BEEF BROTH.

Claims use since Sept. 15, 1938, on chili con carne; and since Oct. 1, 1940, on beef broth.

Ser. No. 438,437. ALLEN W. HASKELL, doing business as Shredlets Company, New York, N. Y. Filed Dec. 2, 1940.

SHREDLETS

FOR CANDY.

Claims use since Oct. 6, 1940.

Ser. No. 438,445. THE OMAHA COLD STORAGE COMPANY, Omaha, Nebr. Filed Dec. 2, 1940.

MOUNTCREST

FOR DRESSED TURKEYS.

Claims use since Oct. 15, 1940.

Ser. No. 438,587. WILLIAM A. SCHAUTZ, INC., New York, N. Y. Filed Dec. 6, 1940.



The portrait is fanciful.

FOR BREAD.

Claims use since Nov. 28, 1940.

Ser. No. 438,624. MID CITY WHOLESALE GROCERS, INC., Cicero, Ill. Filed Dec. 7, 1940.

Luv-ly

FOR CANNED VEGETABLES, CANNED FRUITS, CANNED PUMPKIN, AND CANNED SAUER KRAUT.

Claims use since Aug. 6, 1934.

Ser. No. 438,647. GEO. EHLENBERGER & CO., INC., New York, N. Y., and Miami, Fla. Filed Dec. 9, 1940.

EHLENBROOK

FOR BUTTER.

Claims use since December, 1939.

Moines, Iowa. Filed Dec. 9, 1940.

Ser. No. 438,650. GENERAL LABORATORIES, INC., Des.

all 7

FOR CANNED AND PACKAGED DOG FOOD.

Claims use since Nov. 21, 1940.

Ser. No. 438,662. JIM. NAKAMURA, doing business as Crown Marketing Co., Los Angeles, Calif. Filed Dec. 9, 1940.

LITAGOLD

FOR FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH GRAPES, AND FRESH MELONS.

Claims use since Sept. 5, 1940.

Ser. No. 438,676. WINSTON AND NEWELL COMPANY, Minneapolis, Minn. Filed Dec. 9, 1940.

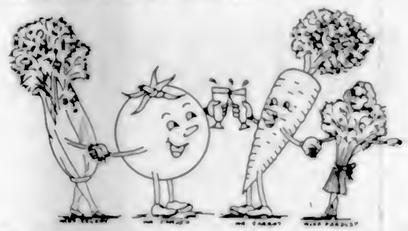


The portrait is fanciful and known to applicant's trade as a portrait of Mary Stevens.

FOR SALAD DRESSING, SANDWICH SPREAD AND EGG NOODLES.

Claims use since July 1, 1940.

Ser. No. 438,679. BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed Dec. 10, 1940.



The applicant is the owner of trade-mark registration No. 377,599, dated May 7, 1940. No claim is made to the words Celery, Carrot, Tomato, and Parsley apart from the mark.

FOR CANNED VEGETABLE JUICES FOR FOOD PURPOSES.

Claims use since Nov. 22, 1940.

Ser. No. 438,741. PFEFFER RICE MILLING COMPANY, INC., Houston, Tex. Filed Dec. 11, 1940.



FOR RICE.

Claims use since Nov. 21, 1936.

Ser. No. 438,742. PFEFFER RICE MILLING COMPANY, INC., Houston, Tex. Filed Dec. 11, 1940.



FOR RICE.

Claims use since Nov. 10, 1936.

Ser. No. 438,757. WALLACE C. BOHANNON, McAllen, Tex. Filed Dec. 12, 1940.

VITA VALLEY

FOR CANNED GRAPEFRUIT JUICE.

Claims use since Feb. 20, 1939.

Ser. No. 438,764. GENERAL MILLS, INC., Minneapolis, Minn. Filed Dec. 12, 1940.

VIMIN

FOR FLOUR, PARTICULARLY BLEACHED WHEAT FLOUR WITH ADDED VITAMINS AND MINERALS.

Claims use since Nov. 26, 1940.

Ser. No. 438,816. SHIELD FOODS, INC., Buffalo, N. Y. Filed Dec. 13, 1940.



FOR CANNED SALMON.

Claims use since Aug. 12, 1940

Ser. No. 439,126. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Dec. 23, 1940.

PEACOCK

Applicant is the owner of trade-mark registration No. 100,172.

FOR TABLE SYRUP.

Claims use since Oct. 11, 1905.

Ser. No. 439,146. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo. Filed Dec. 23, 1940.



FOR PANCAKE FLOUR.

Claims use since November, 1936.

Ser. No. 439,156. FAMOUS FOODS, INC., Detroit, Mich. Filed Dec. 24, 1940.

VITA BOY

FOR POTATO CHIPS.

Claims use since Nov. 20, 1940.

Ser. No. 439,220. THE BORDEN COMPANY, New York, N. Y. Filed Dec. 27, 1940.

OLD GLORY

FOR ICE CREAM.

Claims use since Nov. 26, 1940.

Ser. No. 439,239. RIVERA CITRUS ASSOCIATION, Rivera, Calif. Filed Dec. 27, 1940.

RANCHITO

FOR FRESH CITRUS FRUITS.

Claims use since Jan. 29, 1910.

CLASS 47

WINES

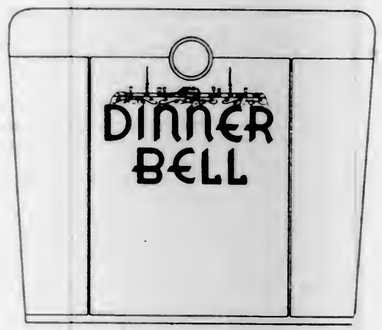
Ser. No. 438,024. SUNNY VALLEY WINERY, INC., Long Island City, N. Y. Filed Nov. 18, 1940.

Sunny Valley

FOR WINES.

Claims use since Sept. 7, 1938

Ser. No. 438,692. E. & J. GALLO WINERY, Modesto, Calif. Filed Dec. 10, 1940.



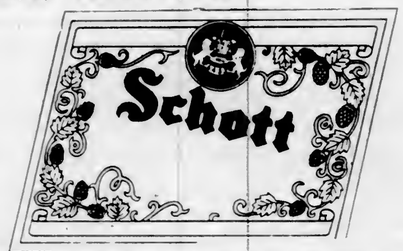
FOR WINES.

Claims use since Sept. 28, 1940.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 438,859. BAVARIAN BREWING CO., INC., Covington, Ky. Filed Dec. 16, 1940.



FOR ALE OF LEGAL ALCOHOLIC CONTENT.

Claims use since May 30, 1940.

Ser. No. 439,039. BOSCOBEL BREWING CO., Boscobel, Wis. Filed Dec. 20, 1940.

AMBER BREW

BOSCOBEL BEER

No claim is made to the words "Amber Brew" and "Beer" apart from the mark.

FOR BEER.

Claims use since Oct. 1, 1910.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 437,799. THE OILCRAFT COMPANY, San Francisco, Calif. Filed Nov. 12, 1940.



The words "Beautify Your Kitchen With" "Daffodil", "Cat-Tail", "Buttercup", and "Tulip" are disclaimed apart from the mark.

FOR DECORATIVE CUT-OUTS.

Claims use since Oct. 2, 1940.

Ser. No. 438,753. BABY AIDS, INC., New York, N. Y. Filed Dec. 12, 1940.

nursette

FOR HOLDERS FOR NURSING BOTTLES INTENDED TO BE ATTACHED TO BABY CRIBS AND THE LIKE.

Claims use since Dec. 4, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 4, 1941

385,433. AIR PURIFYING AND OZONIZING UNITS. Edward H. Bloeser, Chicago, Ill.
Filed August 31, 1938. Serial No. 410,131. PUBLISHED DECEMBER 24, 1940. Class 34.

385,434. COAL. Roebling Coal Co. Inc., Newark, N. J.
Filed September 10, 1938. Serial No. 410,438. PUBLISHED DECEMBER 24, 1940. Class 1.

385,435. WATER SOLUBLE CLEANSING POWDER. Jacob Finkel, doing business as Cleanser Products Co., Philadelphia, Pa.
Filed May 25, 1939. Serial No. 419,799. PUBLISHED SEPTEMBER 19, 1939. Class 4.

385,436. OIL BURNERS, GAS BURNERS, OIL AND GAS FIRED BOILERS, FURNACES, AIR CONDITIONERS, WATER HEATERS, BLOWERS, AIR HUMIDIFIERS, AND AIR FILTERS. Petroleum Heat and Power Company, New York, N. Y.
Filed August 4, 1939. Serial No. 422,295. PUBLISHED DECEMBER 24, 1940. Class 34.

385,437. CANNED FISH, FRESH, FROZEN, AND SALTED FISH, AND FISH MEAL, FOR POULTRY AND STOCK FOOD MIXTURES. Pacific Marine Products, Astoria, Oreg.
Filed August 22, 1939. Serial No. 422,861. PUBLISHED DECEMBER 24, 1940. Class 46.

385,438. HOSIERY. S. H. Kress and Company, New York, N. Y.
Filed September 29, 1939. Serial No. 424,047. PUBLISHED DECEMBER 17, 1940. Class 39.

385,439. GARMENT BAGS MADE OF CLOTH, SHOE BAGS MADE OF CLOTH, PAPER PLATES, PAPER CUPS, AND REFRIGERATOR BAGS MADE OF OILED SILK. S. H. Kress and Company, New York, N. Y.
Filed October 25, 1939. Serial No. 424,881. PUBLISHED DECEMBER 24, 1940. Class 2.

385,440. OIL BURNERS, GAS BURNERS, OIL AND GAS FIRED BOILERS, FURNACES, WATER HEATERS, AND AIR CONDITIONERS, OIL BURNER FUEL STRAINERS, DRAFT ADJUSTERS, BLOWERS, AIR HUMIDIFIERS, AND AIR FILTERS. Petroleum Heat and Power Company, New York, N. Y.
Filed October 28, 1939. Serial No. 425,010. PUBLISHED DECEMBER 24, 1940. Class 34.

385,441. CIGARS. La Yebana Company, Inc., Manila, P. I.
Filed November 16, 1939. Serial No. 425,701. PUBLISHED DECEMBER 24, 1940. Class 17.

385,442. AUXILIARY SAIL BOATS. Donald B. Abbott, New York, N. Y.
Filed January 4, 1940. Serial No. 427,125. PUBLISHED DECEMBER 24, 1940. Class 19.

385,443. HUMIDIFIERS, AIR CONDITIONERS, AND CIRCULATING FANS. William B. Hodge Company, Charlotte, N. C.
Filed January 22, 1940. Serial No. 427,709. PUBLISHED DECEMBER 24, 1940. Class 34.

385,444. CONTAINERS FOR FEEDING POISONS TO PARASITES, SOLD EMPTY, TO THE TRADE. Robert B. Lodge, Jr., Los Angeles, Calif.
Filed February 19, 1940. Serial No. 428,690. PUBLISHED DECEMBER 24, 1940. Class 2.

385,445. MOTOR VEHICLE BODIES, AND PARTICULARLY BUS BODIES. Bender Sales, Incorporated, Albany, N. Y.
Filed February 21, 1940. Serial No. 428,746. PUBLISHED DECEMBER 24, 1940. Class 19.

385,446. HEAT CORROSION RESISTANT METAL CARBURIZING BOXES AND POTS, GRATE BARS, MELTING POTS, TUYÈRES, ETC. Metallizing Engineering Co., Inc., Long Island City, New York.
Filed February 27, 1940. Serial No. 428,964. PUBLISHED DECEMBER 24, 1940. Class 34.

385,447. CHILDREN'S GARMENTS—NAMELY, PLAY SUITS. Snuggle Products, Inc., Goshen, Ind.
Filed March 8, 1940. Serial No. 429,376. PUBLISHED DECEMBER 10, 1940. Class 39.

385,448. FABRIC CLEANER, GLASS CLEANER AND AUTOMOBILE TOP DRESSING. Chrysler Corporation, Highland Park, Mich.
Filed April 8, 1940. Serial No. 430,486. PUBLISHED DECEMBER 24, 1940. Class 4.

385,449. MILK BOTTLE COLLARS. William C. Cartelman, Chicago, Ill.
Filed April 18, 1940. Serial No. 430,906. PUBLISHED DECEMBER 24, 1940. Class 50.

385,450. LINGERIE NAMELY, NIGHTGOWNS, SLIPS, CHEMISES, PANTIES, PAJAMAS, NEGLIGEES, AND BED JACKETS, AND BLOUSES FOR LADIES' AND CHILDREN'S WEAR. Lido Lingerie Company, New York, N. Y.
Filed April 22, 1940. Serial No. 431,064. PUBLISHED DECEMBER 17, 1940. Class 39.

385,451. GLASS ARTICLES; TUMBLERS, JAM AND SAUCE SERVERS, PITCHERS, NAPPIES, PLATES, DISHES, COMPOTES, BOWLS, CONSOLE SETS, REFRIGERATOR SETS, COVERED DISHES, AND CONDIMENT SHAKERS. The Jeannette Glass Company, Jeannette, Pa.
Filed April 25, 1940. Serial No. 431,208. PUBLISHED DECEMBER 24, 1940. Class 33.

385,452. MEN'S AND BOYS' OVERCOATS, TOPCOATS, AND SUITS, CONSISTING OF COATS, VESTS, AND TROUSERS, ALSO WOMEN'S COATS AND JACKETS. Cohen, Goldman & Co., Inc., New York, N. Y.
Filed May 1, 1940. Serial No. 431,441. PUBLISHED DECEMBER 17, 1940. Class 39.

385,453. CONFECTION IN THE FORM OF BALLS OF DOUGH BOILED IN HONEY. Aperion Products Co., Boston, Mass.
Filed May 23, 1940. Serial No. 432,233. PUBLISHED DECEMBER 24, 1940. Class 46.

385,454. SWING SPOUTS, FAUCETS, SHOWER HEADS, BATH COCKS, AND TOILET SEATS. L. E. Dimit, Plumbing & Heating, Pasadena, Calif.
Filed June 10, 1940. Serial No. 432,879. PUBLISHED DECEMBER 24, 1940. Class 13.

385,455. BOYS' OR GIRLS' CLOTHING, SPECIFICALLY NECKTIES, SWEATERS, SWEAT SHIRTS, RAINCOATS AND CAPS. Herman Cohn Leather Goods Company, Baltimore, Md.
Filed June 18, 1940. Serial No. 433,296. PUBLISHED DECEMBER 10, 1940. Class 39.

385,456. LADIES', MISSES', AND CHILDREN'S FUR AND FUR-TRIMMED COATS, HATS, JACKETS, MUFFS, NECKPIECES, AND SCARVES. Burt's, Inc., Cleveland, Ohio.
Filed June 29, 1940. Serial No. 433,518. PUBLISHED DECEMBER 17, 1940. Class 39.

385,457. PAPER AND CARDBOARD SHIPPING CONTAINERS FOR TALKING MACHINE RECORD BLANKS AND RECORDS SOLD EMPTY TO THE TRADE. Zenith Radio Corporation, Chicago, Ill.
Filed July 10, 1940. Serial No. 433,845. PUBLISHED DECEMBER 24, 1940. Class 2.

385,458. INGOTS, CASTINGS, AND THE LIKE OF ALUMINUM ALLOY. The National Bronze & Aluminum Foundry Company, Cleveland, Ohio.
Filed July 15, 1940. Serial No. 433,980. PUBLISHED DECEMBER 24, 1940. Class 14.

385,459. GAS PRESSURE REGULATORS. Air Reduction Sales Company, New York, N. Y.
Filed July 16, 1940. Serial No. 434,006. PUBLISHED DECEMBER 24, 1940. Class 13.

385,460. JACKETS, TROUSERS, SKI SLACKS, RAINCOATS, BUSH COATS, PARKAS, AND BREECHES FOR MEN, WOMEN, AND CHILDREN. Harry Kaye, doing business as H. Kaye & Compy, Toronto, Ontario, Canada.
Filed July 19, 1940. Serial No. 434,150. PUBLISHED DECEMBER 10, 1940. Class 39.

385,461. VEHICLE PILLION SEATS, MOTOR-CYCLE LUGGAGE CARRIERS, AND PROPSTANDS. Sammett & Blair, Montreal, Quebec, Canada.
Filed July 24, 1940. Serial No. 434,296. PUBLISHED DECEMBER 24, 1940. Class 19.

385,462. RAINCOATS. Fashioncraft, Inc., Cambridge, Mass.
Filed July 30, 1940. Serial No. 434,489. PUBLISHED DECEMBER 17, 1940. Class 39.

385,463. CIGARS. Por Larrañaga, Fabrica De Tabacos, S. A. Habana, Cuba.
Filed August 13, 1940. Serial No. 434,946. PUBLISHED DECEMBER 24, 1940. Class 17.

385,464. CIGARS AND CIGARETTES. Consolidated Cigar Corporation, New York, N. Y.
Filed August 16, 1940. Serial No. 435,048. PUBLISHED DECEMBER 24, 1940. Class 17.

385,465. CIGARS AND CIGARETTES. Consolidated Cigar Corporation, New York, N. Y.
Filed August 19, 1940. Serial No. 435,119. PUBLISHED DECEMBER 24, 1940. Class 17.

385,466. LAMELLAR MATERIAL TO BE ADDED TO FLUID AGENTS EMPLOYED IN TREATING WELL BORES, WHICH ACTS AS A SEAL TO PREVENT LOSS OF THE FLUID INTO POROUS EARTH FORMATIONS. Dowell Incorporated, Midland, Mich.
Filed August 19, 1940. Serial No. 435,123. PUBLISHED DECEMBER 24, 1940. Class 50.

385,467. GARMENT BAGS SOLD EMPTY, POWDER PUFF BAGS SOLD EMPTY, BOUDOIR ENVELOPES, HAT BOXES, SHOE BAGS, LAUNDRY BAGS. Transparent Cover Co., Chicago, Ill.
Filed August 19, 1940. Serial No. 435,150. PUBLISHED DECEMBER 24, 1940. Class 2.

385,468. MEN'S, WOMEN'S, BOYS' AND GIRLS' KNIT UNDERWEAR AND FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' OUTERWEAR OFTEN CALLED SPORTSWEAR—NAMELY, POLO, TENNIS, AND SWEAT SHIRTS, SWEATERS AND BATHING SUITS. Raymond R. Rohrer, doing business as Chess Tex Knitting Mill, Orwigsburg, Pa.
Filed August 27, 1940. Serial No. 435,439. PUBLISHED DECEMBER 17, 1940. Class 39.

385,469. FLOOR WAX, SCRATCH REMOVER PREPARATION FOR FURNITURE, FURNITURE CREAM POLISH, CAR POLISH, AND A WAX POLISHING AND CLEANING PREPARATION FOR AUTOMOBILES AND THE LIKE. Midwest Manufacturing Company, Detroit, Mich.
Filed September 5, 1940. Serial No. 435,686. PUBLISHED DECEMBER 24, 1940. Class 16.

385,470. PAJAMAS FOR MEN, WOMEN, AND CHILDREN. Amoskeag Pajama Company, Inc., Manchester, N. H.
Filed September 6, 1940. Serial No. 435,701. PUBLISHED DECEMBER 17, 1940. Class 39.

385,471. HOSIERY OF VARIOUS SHADES AND COLORS, EXCLUDING ALL BLUE SHADES AND COLORS. Sapphire Hosiery Corporation, Philadelphia, Pa.
Filed September 7, 1940. Serial No. 435,769. PUBLISHED DECEMBER 17, 1940. Class 39.

385,472. CHILDREN'S PLAY CLOTHES—NAMELY, OVERALLS, SHIRTS, ROMPERS, AND SUN SUITS. The Grace Company, Belton, Mo.
Filed September 9, 1940. Serial No. 435,791. PUBLISHED DECEMBER 17, 1940. Class 39.

385,473. CLEANSING POWDER HAVING WATER SOFTENING PROPERTIES FOR USE IN LAUNDRY, KITCHEN, BATHROOM, AND FOR GENERAL HOUSEHOLD AND OTHER CLEANSING PURPOSES. A. A. Quality Products, Inc., New York, N. Y.
Filed September 16, 1940. Serial No. 435,995. PUBLISHED DECEMBER 24, 1940. Class 4.

385,474. PULLEY COATING AND COVERING IN LIQUID AND PASTE FORM TO PREVENT SLIPPING OF BELTS. René Wassermann, doing business as Adherex Pulley Coating Company, New York, N. Y.
Filed September 17, 1940. Serial No. 436,069. PUBLISHED DECEMBER 24, 1940. Class 4.

385,475. PROTECTIVE GARMENTS IN THE NATURE OF BIBS OR CAPES FOR USE BY PERSONS ATTENDING INFANTS. Earnshaw Knitting Company, Newton, Mass.
Filed September 19, 1940. Serial No. 436,118. PUBLISHED DECEMBER 17, 1940. Class 39.

385,476. PROTECTIVE GARMENTS IN THE NATURE OF BIBS OR CAPES FOR USE BY PERSONS ATTENDING INFANTS. Earnshaw Knitting Company, Newton, Mass.
Filed September 19, 1940. Serial No. 436,119. PUBLISHED DECEMBER 17, 1940. Class 39.

385,477. LADIES' AND CHILDREN'S UNDERWEAR HAVING A SUBSTANTIAL AMOUNT OF WOOL. Blue Swan Mills, Inc., New York, N. Y.
Filed September 20, 1940. Serial No. 436,163. PUBLISHED DECEMBER 17, 1940. Class 39.

385,478. COMPOSITION OF MATERIAL COMPOSED WHOLLY OR IN PART OF NATURAL AND SYNTHETIC RUBBER-LIKE MATERIALS. Hydrocarbon Chemical and Rubber Company, Akron, Ohio.
Filed October 18, 1940. Serial No. 437,066. PUBLISHED DECEMBER 24, 1940. Class 1.

385,479. VACUUM BOTTLES AND WOOD, PAPER, METAL, AND COMPOSITION LUNCH BOXES. J. C. Penney Company, Wilmington, Del., and New York, N. Y.
Filed October 18, 1940. Serial No. 437,075. PUBLISHED DECEMBER 24, 1940. Class 2.

385,480. FRESH CITRUS FRUITS. Mission Citrus Growers Union, Mission, Tex.
Filed October 19, 1940. Serial No. 437,097. PUBLISHED DECEMBER 24, 1940. Class 46.

385,481. FRESH CITRUS FRUITS. Mission Citrus Growers Union, Mission, Tex.
Filed October 19, 1940. Serial No. 437,098. PUBLISHED DECEMBER 24, 1940. Class 46.

385,482. CANDY. D. Goldenberg, Inc., Philadelphia, Pa.
Filed October 21, 1940. Serial No. 437,132. PUBLISHED DECEMBER 24, 1940. Class 46.

385,483. SMOKING TOBACCO. Stephano Brothers, Philadelphia, Pa.
Filed October 22, 1940. Serial No. 437,184. PUBLISHED DECEMBER 24, 1940. Class 17.

385,484. BAKING POWDER. Church & Dwight Co. Inc., New York, N. Y.
Filed October 23, 1940. Serial No. 437,193. PUBLISHED DECEMBER 24, 1940. Class 46.

385,485. WINES. MIGLIORETTI BROTHERS, Baltimore, Md.
Filed October 23, 1940. Serial No. 437,210. PUBLISHED DECEMBER 24, 1940. Class 47.

385,486. SHREDDED BARK FIBER. THE PACIFIC LUMBER COMPANY, San Francisco, Calif.
Filed October 23, 1940. Serial No. 437,214. PUBLISHED DECEMBER 24, 1940. Class 1.

385,487. DRIED SHRIMP. BLUM & BERGERON, also doing business as Outside Shrimp Co., Houma, La.
Filed October 25, 1940. Serial No. 437,264. PUBLISHED DECEMBER 24, 1940. Class 46.

385,488. DECORATED TUMBLERS OF GLASS AND STEMWARE OF GLASS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed October 26, 1940. Serial No. 437,302. PUBLISHED DECEMBER 24, 1940. Class 33.

385,489. BREAKFAST, LUNCHEON, AND DINNER DISHES OF CHINA AND PORCELAIN. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed October 26, 1940. Serial No. 437,303. PUBLISHED DECEMBER 24, 1940. Class 30.

385,490. KEY LOCKS. THE ILLINOIS LOCK COMPANY, Chicago, Ill.
Filed October 29, 1940. Serial No. 437,372. PUBLISHED DECEMBER 24, 1940. Class 25.

385,491. CELLULOSE SAUSAGE CASINGS. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed October 26, 1940. Serial No. 437,397. PUBLISHED DECEMBER 24, 1940. Class 2.

385,492. LADIES' HANDBAGS OF LEATHER, CLOTH, AND/OR COMBINATIONS THEREOF. SCHOENFELD & WOLF, INC., New York, N. Y.
Filed October 29, 1940. Serial No. 437,391. PUBLISHED DECEMBER 24, 1940. Class 3.

385,493. WOMEN'S AND MISSES' COATS, SUITS, AND COAT AND SUIT COMBINATIONS. LIEBERMAN-SANDHAUS CORP., New York, N. Y.
Filed September 20, 1940. Serial No. 436,182. PUBLISHED DECEMBER 10, 1940. Class 39.

385,494. WOMEN'S AND MISSES' HOUSECOATS. JULIUS DRITTEL, INC., Elizabeth, N. J.
Filed September 23, 1940. Serial No. 436,255. PUBLISHED DECEMBER 17, 1940. Class 39.

385,495. CAKE MIX AND ICING. RED-EE FOODS, INC., Los Angeles, Calif.
Filed September 23, 1940. Serial No. 436,286. PUBLISHED DECEMBER 24, 1940. Class 46.

385,496. WHISKEY. JAMES B. BEAM DISTILLING CO., INCORPORATED, Clermont, Ky.
Filed September 28, 1940. Serial No. 436,460. PUBLISHED DECEMBER 24, 1940. Class 49.

385,497. CHILDREN'S PLAY SUITS. HORTEX MFG. CO., El Paso, Tex.
Filed September 28, 1940. Serial No. 436,472. PUBLISHED DECEMBER 10, 1940. Class 39.

385,498. MEN'S CLOTHING — NAMELY, SUITS, OVERCOATS, TOP COATS, AND TROUSERS. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio.
Filed September 28, 1940. Serial No. 436,485. PUBLISHED DECEMBER 17, 1940. Class 39.

385,499. SUITCASES, TRUNKS, LUGGAGE CARRIERS, HAT BOXES FOR LUGGAGE PURPOSES, AND WARDROBE HAND LUGGAGE. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed October 2, 1940. Serial No. 436,569. PUBLISHED DECEMBER 24, 1940. Class 3.

385,500. BATHING SUITS. W. T. GRANT COMPANY, New York, N. Y.
Filed October 4, 1940. Serial No. 436,648. PUBLISHED DECEMBER 10, 1940. Class 39.

385,501. COTTON SEED. ED DOSKOCIL, Temple, Tex.
Filed October 5, 1940. Serial No. 436,668. PUBLISHED DECEMBER 24, 1940. Class 1.

385,502. CLOCKS. MANNING, MAXWELL & MOORE, INCORPORATED, New York, N. Y.
Filed October 5, 1940. Serial No. 436,673. PUBLISHED DECEMBER 24, 1940. Class 27.

385,503. MEN'S TOPCOATS, OVERCOATS, AND RAINCOATS. JOSEPH D. SHAKOW, INC., New York, N. Y.
Filed October 8, 1940. Serial No. 436,734. PUBLISHED DECEMBER 10, 1940. Class 39.

385,504. CARBON PAPER AND TYPEWRITER RIBBONS. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio, and New York, N. Y.
Filed October 10, 1940. Serial No. 436,788. PUBLISHED DECEMBER 24, 1940. Class 11.

385,505. CARBON PAPER AND TYPEWRITER RIBBONS. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio, and New York, N. Y.
Filed October 10, 1940. Serial No. 436,789. PUBLISHED DECEMBER 24, 1940. Class 11.

385,506. CARBON PAPER AND TYPEWRITER RIBBONS. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio, and New York, N. Y.
Filed October 10, 1940. Serial No. 436,790. PUBLISHED DECEMBER 24, 1940. Class 11.

385,507. CARBON PAPER AND TYPEWRITER RIBBONS. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio, and New York, N. Y.
Filed October 10, 1940. Serial No. 436,791. PUBLISHED DECEMBER 24, 1940. Class 11.

385,508. CARBON PAPER AND TYPEWRITER RIBBONS. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio, and New York, N. Y.
Filed October 10, 1940. Serial No. 436,792. PUBLISHED DECEMBER 24, 1940. Class 11.

385,509. CARBON PAPER AND TYPEWRITER RIBBONS. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio, and New York, N. Y.
Filed October 10, 1940. Serial No. 436,793. PUBLISHED DECEMBER 24, 1940. Class 11.

385,510. CARBON PAPER AND TYPEWRITER RIBBONS. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio, and New York, N. Y.
Filed October 10, 1940. Serial No. 436,794. PUBLISHED DECEMBER 24, 1940. Class 11.

385,511. CARBON PAPER AND TYPEWRITER RIBBONS. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio, and New York, N. Y.
Filed October 10, 1940. Serial No. 436,795. PUBLISHED DECEMBER 24, 1940. Class 11.

385,512. STICKY FLY RIBBONS. THE DIAMOND MATCH COMPANY, New York, N. Y.
Filed October 10, 1940. Serial No. 436,757. PUBLISHED DECEMBER 24, 1940. Class 50.

385,513. STICKY FLY RIBBONS. THE DIAMOND MATCH COMPANY, New York, N. Y.
Filed October 10, 1940. Serial No. 436,798. PUBLISHED DECEMBER 24, 1940. Class 50.

385,514. TYPEWRITER RIBBONS AND CARBON PAPER. QUEEN RIBBON & CARBON CO., INC., Brooklyn, N. Y.
Filed October 11, 1940. Serial No. 436,858. PUBLISHED DECEMBER 24, 1940. Class 11.

385,515. WALL PAPER CLEANER. UNITED WALL PAPER FACTORIES, INC., Chicago, Ill.
Filed October 11, 1940. Serial No. 436,864. PUBLISHED DECEMBER 24, 1940. Class 4.

385,516. LADIES' COATS, SUITS, AND DRESSES. BROWN, JACOBSON & LINDE, INC., New York, N. Y.
Filed October 12, 1940. Serial No. 436,879. PUBLISHED DECEMBER 17, 1940. Class 39.

385,517. WOMEN'S AND MISSES' SLACKS, OVERALLS, PLAYSUITS, SHORTS, JACKETS, VESTS, SKIRTS, BLOUSES, AND SHIRTS, AND BOYS' SHORTS, SLACKS, AND SHIRTS. STRAUS, ROYER & STRASS, INC., Baltimore, Md.
Filed October 14, 1940. Serial No. 436,946. PUBLISHED DECEMBER 17, 1940. Class 39.

385,518. CARAMEL CANDY. THE BORDEN COMPANY, New York, N. Y.
Filed October 15, 1940. Serial No. 436,958. PUBLISHED DECEMBER 24, 1940. Class 46.

385,519. CORN SYRUP. THE HUBINGER COMPANY, Keokuk, Iowa.
Filed October 15, 1940. Serial No. 436,970. PUBLISHED DECEMBER 24, 1940. Class 46.

385,520. FERTILIZERS AND FERTILIZER MATERIALS. INTERNATIONAL AGRICULTURAL CORPORATION, New York, N. Y.
Filed October 16, 1940. Serial No. 437,001. PUBLISHED DECEMBER 24, 1940. Class 10.

385,521. HAIR BRUSHES. OX FIBRE BRUSH COMPANY, INC., Frederick, Md., and New York, N. Y.
Filed October 16, 1940. Serial No. 437,013. PUBLISHED DECEMBER 24, 1940. Class 29.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

385,522. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNIVERSAL SLIDE FASTENER COMPANY, INC., New York, N. Y. Filed May 28, 1938. Serial No. 406,892.

"SERVAL"

FOR SLIDE FASTENERS.
Claims use since May 12, 1938.

385,523. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SCRANTON LACE COMPANY, Scranton, Pa. Filed Sept. 19, 1938. Serial No. 410,753.

TRIPLE TEST

FOR CURTAINS, CURTAIN FABRICS IN THE PIECE AND DRAPERY FABRICS IN THE PIECE MADE OF SILK, SATIN, RAYON, COTTON, AND MIXTURES THEREOF.
Claims use since Sept. 1, 1938.

385,524. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) GOTHARD NORDLUND, Jamestown, N. Y. Filed Nov. 15, 1938. Serial No. 412,779.

GOTHARD FUEL SAVER

FOR COMBINED FUEL VAPORIZING AND FLAME DEFLECTING BAFFLES FOR OIL BURNING FIRE CHAMBERS.
Claims use since May 15, 1938.

385,525. (CLASS 39. CLOTHING.) DOMINION CORSET COMPANY, LIMITED, Quebec, Quebec, Canada. Filed May 17, 1939. Serial No. 419,503.

Breathing Waist

FOR CORSETS, GIRDLES, BRASSIÈRES, AND FOUNDATION GARMENTS.
Claims use since Sept. 1, 1938.

385,526. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CURTISS-WRIGHT CORPORATION, New York, N. Y. Filed Oct. 26, 1939. Serial No. 424,908.

Curtiss
FEATHERING
CONSTANT SPEED
SELECTIVE PITCH
ELECTRIC PROPELLERS

FOR AIRCRAFT PROPELLERS AND STRUCTURAL PARTS THEREOF.
Claims use since Oct. 5, 1939.

385,527. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORMAN E. HEIL, doing business as My-T-Good Distributors, Ridgewood and Paterson, N. J. Filed Dec. 15, 1939. Serial No. 426,619.

MY-T-GOOD

FOR HAND CLEANER.
Claims use since Nov. 27, 1939.

385,528. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARTHUR W. PITTS, doing business as Nephron Company, Tacoma, Wash. Filed Dec. 26, 1939. Serial No. 426,893.

AZMA-MIST

FOR VAPORIZERS OR NEBULIZERS TO BE USED IN THE APPLICATION OF MEDICAMENTS FOR THE RELIEF OF THE PAROXYSMS INCIDENTAL TO ASTHMA AND HAY FEVER.
Claims use since Dec. 6, 1939.

385,529. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPERIOR BISCUIT COMPANY, Los Angeles, Calif. Filed Dec. 26, 1939. Serial No. 426,910.

HOLLYWOOD MAID

FOR SALTED WAFERS, GRAHAM CRACKERS, RYE CRACKERS, WHOLE WHEAT CRACKERS AND COOKIES.
Claims use since Dec. 12, 1939.

385,530. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GLAZO COMPANY, INC., East Rutherford, N. J. Filed Jan. 23, 1940. Serial No. 427,755.

HIALEAH

FOR NAIL POLISH.
Claims use since Jan. 19, 1940.

385,531. (CLASS 39. CLOTHING.) FRANCES GEE GARMENT CO., Kansas City, Mo. Filed Jan. 24, 1940. Serial No. 427,795.

Linda Lane
UNION MADE
PRE-SHRUNK

FOR WOMEN'S, MISSES', AND CHILDREN'S COTTON AND RAYON DRESSES AND UNIFORMS, PLAY CLOTHES CONSISTING OF PLAY SUITS, OUTER SHORTS, BLOUSE, AND OUTER SKIRT, HOUSECOATS, AND SMOCKS.
Claims use since September, 1939.

385,532. (CLASS 21. FILTERS AND REFRIGERATORS.) DAVEGA CITY RADIO, INC., New York, N. Y. Filed Jan. 26, 1940. Serial No. 427,883.

FREEZALL

FOR REFRIGERATORS.
Claims use since Jan. 23, 1940.

385,533. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Jan. 29, 1940. Serial No. 428,014.

Barbara Lane

FOR COLD CREAM, ALL PURPOSE LOTION AND ALL PURPOSE CREAM.
Claims use since Dec. 29, 1939.

385,534. (CLASS 2. RECEPTACLES.) MASTER REFRIGERATED LOCKER SYSTEMS, INC., Sioux City, Iowa. Filed Feb. 12, 1940. Serial No. 428,491.

SAF-T-LOC

FOR METAL STORAGE LOCKERS.
Claims use since Jan. 15, 1940.

385,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNTER PACKING COMPANY, East St. Louis, Ill. Filed Feb. 24, 1940. Serial No. 428,875.

JUICY HOTS

FOR WIENER STYLE SAUSAGE.
Claims use since Dec. 26, 1939.

385,536. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WILLIAM E. WRIGHT & SONS COMPANY, West Warren, Mass. Filed Mar. 14, 1940. Serial No. 429,585.

Wright's

FOR BANK RIBBONS, SILKS, COTTONS, LINENS, WOOLENS, AND COMBINATIONS THEREOF IN THE PIECE.
Claims use since Aug. 3, 1938.

385,537. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BINKS MANUFACTURING COMPANY, Chicago, Ill. Filed June 4, 1940. Serial No. 432,702.

BINKS

FOR COATING MATERIAL DISTRIBUTING AND CIRCULATING UNITS COMPRISING INSTALLATIONS OF PIPING WITH CONNECTIONS FOR TAPPING, AUTOMATIC PRESSURE CONTROL VALVES, AUTOMATIC PRESSURE REDUCING TYPE VALVES, AUTOMATIC MODULATING TYPE VALVES, SINGLE AND TWIN TYPE NON-METALLIC MATERIAL AND AIR HOSES, PIPE FITTINGS AND CONNECTIONS, MANUAL VALVES AND COCKS, HOSE CONNECTIONS, MATERIAL TANKS AND CONTAINERS, AIR STORAGE TANKS, AIR PRESSURE REGULATING VALVES, AUTOMATIC AIR PRESSURE RELIEF VALVES, AND PUMPS; COATING MATERIAL SPRAYING AND FINISHING DEVICES AND UNITS COMPRISING SINGLE AND TWIN NON-METALLIC MATERIAL AND AIR HOSES, PIPE FITTINGS AND CONNECTIONS, MANUAL VALVES AND COCKS, ADAPTERS, HOSE CONNECTIONS, MATERIAL TANKS AND CONTAINERS, AIR STORAGE TANKS, AIR PRESSURE REGULATING VALVES, AUTOMATIC PRESSURE RELIEF VALVES, AND PUMPS; AND ALSO FOR COOLING PONDS, SPRAY NOZZLES FOR WATER COOLING, METAL LOUVRE FENCING FOR WATER COOLING UNITS, METAL SPACING STANDARDS FOR LOUVRE FENCING, SPRAY POND SPRAY CLUSTERS, WHIRL TYPE SPRAY JET NOZZLES, ROTARY JET TYPE NOZZLES, CONE TYPE SPRAY JET NOZZLES, ATOMIZING NOZZLES.
Claims use since January, 1920.

385,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JANE S. WEBSTER, New York, N. Y. Filed Aug. 16, 1940. Serial No. 435,072.

Jane Hammond

FOR TISSUE CREAM, CLEANSING CREAM, FINISHING CREAM, BLEACH CREAM, PORE CREAM, CLEANSING LOTION, BLEMISH LOTION, SKIN TONIC, ASTRINGENT, MUSCLE OIL, EYE CREAM, EYE LOTION, EYE SHADOW, EYEBROW PENCIL, MASCARA, ROUGE, LIPSTICK, DEPILATORY WAX, FACE POWDER, AND BATH POWDER.
Claims use since January, 1921.

385,539. (CLASS 47. WINES.) JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn. Filed Sept. 3, 1940. Serial No. 435,612.

DI SANTO

FOR CHAMPAGNES AND WINES.
Claims use since Jan. 19, 1940.

385,540. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC FRUIT & PRODUCE COMPANY, Seattle, Wash. Filed Sept. 3, 1940. Serial No. 435,627.

SHO-AM-SWEET

FOR FRESH VEGETABLES, FRESH DECIDUOUS FRUITS.
Claims use since Jan. 4, 1940.

385,541. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CABOT FARMERS' COOPERATIVE CREAMERY CO., INC., Cabot, Vt. Filed Sept. 18, 1940. Serial No. 436,078.



FOR BUTTER.
Claims use since 1921.

385,542. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) PFISTER & VOGEL TANNING CO., Milwaukee, Wis. Filed Nov. 20, 1940. Serial No. 438,083.

WALTON GRAIN

FOR LEATHER.
Claims use since Jan. 1, 1931.

385,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK M. WILSON COMPANY, San Francisco, Calif. Filed Nov. 30, 1940. Serial No. 438,424.

PICK OF THE ORCHARD

FOR CANNED FRUITS.
Claims use since 1920.

385,544. (CLASS 37. PAPER AND STATIONERY.) WALDES KOH-I-NOOR, INC., Long Island City, N. Y. Filed Dec. 10, 1940. Serial No. 438,714.

WALDES

FOR PAPER CLIPS.
Claims use since Apr. 11, 1939.

385,545. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RAND RUBBER COMPANY, Brooklyn, N. Y. Filed Dec. 31, 1940. Serial No. 439,315.

PINFAST

FOR DRESS SHIELDS.
Claims use since March, 1938.

TRADE-MARK REGISTRATIONS RENEWED

19,825. **SAFFOLINE.** COAL TAR COLORS. Registered June 30, 1891. H. KOHNSTAMM & Co. Re-renewed June 30, 1941, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York, assignee.

19,838. **BEECH-NUT.** HAMS AND BACON. Registered July 7, 1891. IMPERIAL PACKING COMPANY, Canajoharie and New York, N. Y. Re-renewed July 7, 1941, to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York, successor.

132,040. **INSULBRIX.** REFRACTORY BRICK. Registered June 8, 1920. QUIGLEY FURNACE SPECIALTIES CO., INCORPORATED. Renewed June 8, 1940, to Quigley Company, Inc., New York, N. Y., a corporation of New York, successor.

138,944. **ARTRO.** EMBALMING FLUID. Registered January 18, 1921. BEECHER-HOLLINS CO., Boston, Mass., a corporation of Massachusetts. Renewed January 18, 1941.

139,050. **WAYNE.** NOZZLES AND NOZZLE-CASINGS. Registered January 18, 1921. WAYNE OIL TANK & PUMP COMPANY. Renewed January 18, 1941, to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland, assignee.

139,134. **ART CORNERS.** PICTURE OR SHEET MOUNTING DEVICES. Registered January 25, 1921. ALBERT W. ENGEL, doing business as Engel Art Corners Mfg. Co., Chicago, Ill. Renewed January 25, 1941.

139,186. **REPRESENTATION OF A BLUE SEAL.** SODIUM SILICATE. Registered January 25, 1921. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 25, 1941.

139,241. **PARKER.** DENTAL PASTES, MOUTH-WASHES, AND PYORRHEA REMEDIES. Registered February 1, 1921. ASSOCIATED DENTAL SUPPLY COMPANY, San Francisco, Calif., a corporation of California. Renewed February 1, 1941.

139,270. **PANORAMA—PRINTS.** CERTAIN NAMED FABRICS. Registered February 1, 1921. CHENEY BROTHERS, South Manchester, Conn. Renewed February 1, 1941, to Cheney Brothers, Manchester, Conn., a corporation of Connecticut.

139,293. **GOLDEN SEAL.** MANUFACTURED BLANKETS OF ALL COTTON, COTTON AND WOOL, AND ALL WOOL. Registered February 1, 1921. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed February 1, 1941.

139,416. **UNION.** CERTAIN NAMED BELTING AND CHAINS AND LINKS THEREFOR FOR ELEVATING, CONVEYING, AND POWER TRANSMISSION. Registered February 1, 1921. THE UNION CHAIN & MANUFACTURING COMPANY, Seville, Ohio. Renewed February 1, 1941, to The Union Chain and Manufacturing Company, Sandusky, Ohio, a corporation of Ohio.

139,429. **CHOCOLATE CREAM.** COFFEE. Registered February 1, 1921. WESTERN GROCER COMPANY, Marshalltown, Iowa, a corporation of Iowa. Renewed February 1, 1941.

139,493. **REPRESENTATION OF A "BROWNIE".** A BREAKFAST CEREAL. Registered February 8, 1921. BREAKFAST BROWNIES COMPANY, Helena, Mont., and Minneapolis, Minn. Renewed February 8, 1941, to Breakfast Brownies Company, Minneapolis, Minn., a corporation of Minnesota, assignee by mesne assignments.

139,528. **O-SO-GOOD.** COFFEE. Registered February 8, 1921. EL RENO WHOLESALE GROCERY COMPANY, El Reno, Okla., a corporation of Oklahoma. Renewed February 8, 1941.

139,591. **W EGGS.** Registered February 8, 1921. NORTHERN WISCONSIN PRODUCE COMPANY, Manitowoc, Wis., a corporation of Wisconsin. Renewed February 8, 1941.

139,593. **OLDFIELD.** CERTAIN NAMED TIRES AND TIRE ACCESSORIES. Registered February 8, 1921. THE OLDFIELD TIRE COMPANY, Cleveland, Ohio. Renewed February 8, 1941, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio, assignee.

139,615. **RED WING.** APPLE CIDER, APPLE-JUICE, AND GRAPE-JUICE. Registered February 8, 1921. THE RED WING COMPANY, INC., Fredonia, N. Y. Renewed February 8, 1941, to The Red Wing Company, Inc., Chicago, Ill. and Fredonia, N. Y., a corporation of Maine, successor.

139,776. **BEAVER KRAFT.** WRAPPING-PAPER FOR GENERAL PURPOSES. Registered February 22, 1921. THE CHATFIELD & WOODS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed February 22, 1941.

139,786. **PAUL DITISHEIM.** TIMEPIECES. Registered February 22, 1921. PAUL DITISHEIM S. A., La Chaux-de-fonds, Switzerland. Renewed February 22, 1941, to Fabrique Solvil des Montres Paul Ditisheim, Société Anonyme, Geneva, Switzerland, a corporation of Switzerland, successor.

139,788. **SOLVIL.** TIMEPIECES. Registered February 22, 1921. PAUL DITISHEIM S. A., La Chaux-de-fonds, Switzerland. Renewed February 22, 1941, to Fabrique Solvil des Montres Paul Ditisheim Société Anonyme, Geneva, Switzerland, a corporation of Switzerland, successor.

139,910. **WESTERN ELECTRIC.** COMPOUNDS USED TO AID THE PROCESS OF SOLDERING. Registered February 22, 1921. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed February 22, 1941.

140,417. **MADRONA.** CANDIES. Registered March 15, 1921. LANGLEY & MICHAELS CO., San Francisco, Calif. Renewed March 15, 1941, to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y., successor.

140,588. **DOW.** CERTAIN NAMED CHEMICAL PREPARATIONS. Registered March 22, 1921. THE DOW CHEMICAL COMPANY, Midland, Mich., a corporation of Michigan. Renewed March 22, 1941.

141,017. **WASHINGTON.** WHEAT-FLOUR. Registered March 29, 1921. WILKINS-ROGERS MILLING COMPANY, INC., Washington, D. C., a corporation of Virginia. Renewed March 29, 1941.

141,250. **CRYSTALITE.** KEROSENE-OIL. Registered April 12, 1921. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Renewed April 12, 1941, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee.

141,256. **UNION.** CAST-TOOTH SPROCKETS, CUT-TOOTH SPROCKETS, FRICTION-CLUTCHES, AND SPEED-REDUCERS. Registered April 12, 1921. THE UNION CHAIN & MANUFACTURING COMPANY, Seville, Ohio. Renewed April 12, 1941, to The Union Chain and Manufacturing Company, Sandusky, Ohio, a corporation of Ohio.

141,506. **REPRESENTATION OF A FOUR-LEAF CLOVER.** CAKES, CRACKERS, AND BISCUITS. Registered April 26, 1921. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y., a corporation of New York. Renewed April 26, 1941.

141,600. **COUVERLAIN.** ALL-WOOL BLANKETS. Registered April 26, 1921. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed April 26, 1941.

141,826. **ADAPTI.** CERTAIN NAMED ELECTRICAL APPLIANCES. Registered May 3, 1921. THE ADAPTI COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 3, 1941.

142,153. **TIGER.** COMPOSITION FELT ROOFING. Registered May 3, 1921. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Renewed May 3, 1941, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee.

142,346. **WALWORTH.** STEAM, WATER, AND GAS PIPE FITTINGS AND STEAM, WATER, AND GAS VALVES. Registered May 10, 1921. WALWORTH MANUFACTURING COMPANY. Renewed May 10, 1941, to Walworth Company, Boston, Mass., a corporation of Massachusetts, by change of name.

142,353. **WINCHESTER.** CERTAIN NAMED FIREARMS AND AMMUNITION AND PYROTECHNIC SUPPLIES. Registered May 10, 1921. WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Renewed May 10, 1941, to Western Cartridge Company, East Alton, Ill., and New Haven, Conn., a corporation of Delaware, assignee by mesne assignments.

142,431. **AMERICAN A.** GRAIN-BAGS. Registered May 17, 1921. ANDROSCOGGIN MILLS, Lewiston, Maine. Renewed May 17, 1941, to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri, assignee.

142,631. **FIRST SETTLERS.** CERTAIN PAINTS AND PAINTERS' MATERIALS. Registered May 17, 1921. C. A. NASH & SON, INC., Norfolk, Va., a corporation of Virginia. Renewed May 17, 1941.

142,777. **STALEY'S.** CERTAIN NAMED SYRUPS FOR TABLE USE. Registered May 17, 1921. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill., a corporation of Delaware. Renewed May 17, 1941.

142,991. **DU PONT FABRIKOID.** IMITATION OR ARTIFICIAL LEATHER. Registered May 24, 1921, to E. I. DU PONT DE NEMOURS & COMPANY, as assignee of Du Pont Fabrikoid Company. Renewed May 24, 1941, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee.

143,009. **LANGUAGE PHONE.** PUBLICATIONS RELATING TO THE STUDY OF LANGUAGES. Registered May 24, 1921. FUNK & WAGNALLS COMPANY. Renewed May 24, 1941, to Funk & Wagnalls Company, New York, N. Y., a corporation of Delaware, assignee.

143,031. **NOCKABOUT.** KNITTED JACKETS. Registered May 24, 1921. GRUSHLAW & SICHEL, Philadelphia, Pa. Renewed May 24, 1941, to Suffolk Knitting Company, Lowell, Mass., a corporation of Massachusetts, assignee by mesne assignments.

143,049. **HOBBY.** CANDY. Registered May 24, 1921. HOLLINGSWORTH CANDY CO. Renewed May 24, 1941, to Fine Products Corporation, Augusta, Ga., a corporation of Georgia, assignee.

143,074. **SCOTTIE.** CAKES. Registered May 24, 1921. LOOSE-WILES BISCUIT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 24, 1941.

143,507. **WALWORTH.** PIPE-FITTING TOOLS—VIZ., WRENCHES, PIPE-STOCKS, PIPE-DIES, PIPE-TAPS, AND PIPE-CUTTERS. Registered May 31, 1921. WALWORTH MANUFACTURING COMPANY. Renewed May 31, 1941, to Walworth Company, Boston, Mass., a corporation of Massachusetts, by change of name.

143,593. **DU PONT.** DYESTUFFS. Registered June 7, 1921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 7, 1941.

143,613. **ALLSTEEL.** SAFES, KEYS, LOCKS, SAFE-FITTINGS, AND SAFE INTERIORS AND PARTS THEREOF. Registered June 7, 1921. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio, a corporation of Ohio. Renewed June 7, 1941.

143,681. **FIELD CLUB.** MEN'S HATS. Registered June 7, 1921. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed June 7, 1941.

143,927. **C.** CERTAIN PIPE FITTINGS AND VALVES. Registered June 21, 1921. CRANE COMPANY. Renewed June 21, 1941, to Crane Co., Chicago, Ill., a corporation of Illinois, by change of name.

143,983. **MARVLO KWALITY.** VEILS AND VEILINGS AND NETTINGS IN THE PIECE. Registered June 21, 1921. H. JACOB & SONS, INC. Renewed June 21, 1941, to Marvlo Mills, Inc., New York, N. Y., a corporation of New York, assignee.

144,197. **LAVISTA.** OPERA AND FIELD GLASSES. Registered June 28, 1921. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed June 28, 1941.

144,251. **SHAW'S.** RING-TRAVELERS. Registered June 28, 1921. NATIONAL RING TRAVELER CO., Providence, R. I., a corporation of Rhode Island. Renewed June 28, 1941.

144,397. **LANGUAGE PHONE.** PHONOGRAPH-RECORDS. Registered July 5, 1921. FUNK & WAGNALLS COMPANY. Renewed July 5, 1941, to Funk & Wagnalls Company, New York, N. Y., a corporation of Delaware, assignee.

144,443. **SPIREX.** AUTOMOBILE-RADIATORS. Registered July 5, 1921. MODINE MANUFACTURING COMPANY, Racine, Wis., a corporation of Wisconsin. Renewed July 5, 1941.

144,549. **BOG-SWEETS.** CRANBERRY JELLY. Registered July 12, 1921. ENOCH F. BILLS, Bordentown, N. J. Renewed July 12, 1941, to Cranberry Canners, Inc., South Hanson, Mass., and New Egypt, N. J., a corporation of Delaware, assignee by mesne assignments.

144,585. **HYCO.** CERTAIN KNIVES, EDGE-TOOLS, AND HANDLES. Registered July 12, 1921. HYDE MANUFACTURING COMPANY, Southbridge, Mass., a corporation of Massachusetts. Renewed July 12, 1941.

144,592. **CARINSUL.** CERTAIN NAMED INSULATING-SHEETING. Registered July 12, 1921. KEYSTONE HAIR INSULATOR COMPANY, Pittsburgh, Pa. Renewed July 12, 1941, to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

144,596. **NEW ATLAS STAY SOFT.** PASTE COLORS FOR FOODS AND INGREDIENTS. Registered July 12, 1921. H. KOHNSTAMM & Co. Renewed July 12, 1941, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York, assignee.

144,600. **SPEED.** PORTLAND CEMENT. Registered July 12, 1921. LOUISVILLE CEMENT COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed July 12, 1941.

144,607. **HAPPY HOME.** BREAD AND CAKE. Registered July 12, 1921. MEMPHIS BREAD COMPANY, Memphis, Tenn. Renewed July 12, 1941, to Hall Baking Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

144,612. **MIAT.** ASPIRIN. Registered July 12, 1921. EDWARD LEONARD MILLER, Buffalo, N. Y. Renewed July 12, 1941.

144,613. **HELTH-O-LAX.** MEDICINAL PREPARATIONS USED AS LAXATIVES. Registered July 12, 1921. JOSEPH H. MUELLER, doing business as Health-O-Lax Laboratories, Cleveland, Ohio. Renewed July 12, 1941.

144,614. **NASH NORFOLK.** CERTAIN NAMED PAINTS AND PIGMENTS, COLORS, CALCIMINES, PUTTY AND PAINT, AND VARNISH REMOVERS. Registered July 12, 1921. C. A. NASH & SON, INC., Norfolk, Va., a corporation of Virginia. Renewed July 12, 1941.

144,704. **R & CO.** BUTTONS. Registered July 19, 1921. C. LUDWIG HEIMBRUCH, doing business as Rolfes & Co., New York, N. Y. Renewed July 19, 1941.

144,899. **SPEED-MO.** MOISTENERS, MUCILAGE-APPLYING DEVICES, INK WELLS, STAMP-AFFIXERS, AND PAPER FASTENERS AND CLIPS. Registered July 19, 1921. RIVET-O MANUFACTURING COMPANY, Orange, Mass. Renewed July 19, 1941.

144,913. **ARCH GUIDE.** BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. Registered July 19, 1921. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed July 19, 1941, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee by mesne assignments.

REISSUES

MARCH 4, 1941

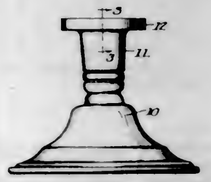
21,732

ADJUSTABLE CANDLESTICK

Emil Ager-Wick, Arendal, Norway

Original No. 2,163,137, dated June 20, 1939, Serial No. 129,998, March 10, 1937. Application for reissue November 24, 1939, Serial No. 306,717. In Norway November 18, 1936

6 Claims. (Cl. 67—23)



2. In a candlestick, the combination of a base; a smaller shell fastened to the top of said base, a flange surrounding the top of said shell; a circular washer having a plurality of radially extending, rectangular slots therein, on said flange, attached thereto, and concentric therewith; a plurality of thin segmentary washers, each provided with a tab extending from the plane thereof at either end, on top of said circular washer and with said tabs at one end of said segmentary washers engaged in said radially extending slots; a second circular washer, identical with the first, on top of said segmentary washers, and with the tabs of the other ends of said segmentary washers engaged upwardly through said radial slots of said second circular washer, and a cap, cupped and spun over said washers and attached to and turnable on said flange, said circular washer being attached to said cap.

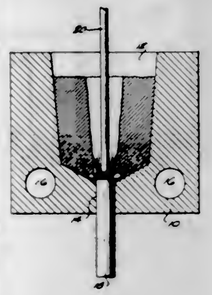
21,733

METHOD OF FORMING ALLOYS

Percy A. E. Armstrong, Westport, Conn.

Original No. 1,781,490, dated November 11, 1930, Serial No. 276,012, May 8, 1928. Application for reissue June 12, 1940, Serial No. 340,230

11 Claims. (Cl. 75—10)



1. The method of melting metals in a metallic crucible having a lower melting point than that to which the melted metal is raised, which comprises the steps of exposing metallic ingredients intermixed with slag forming ingredients to the heat of an electric arc initiated near the bottom of a metallic crucible, while permitting heat to dissipate from the walls of the crucible, whereby a protective slag lining for the crucible is formed progressively as the volume of molten metal increases.

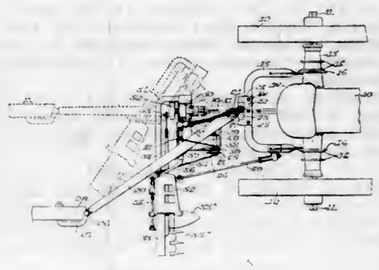
21,734

TRACTOR MOWER

Charles F. Crumb and Samuel E. Hillblom, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey

Original No. 2,166,942, dated July 25, 1939, Serial No. 149,170, June 19, 1937. Application for reissue October 30, 1940, Serial No. 363,583

12 Claims. (Cl. 56—25)



1. In a tractor mower in which the tractor includes a drawbar, the combination with the drawbar of a mower comprising a rearwardly and diagonally extending frame and cutting mechanism carried thereby, said frame comprising a single member, ground engaging means for supporting the rear end of the member, and pivotal means for supporting and connecting the forward end of the member on and to the drawbar, said pivotal means constituting the sole support for the forward end of the frame and comprising a transverse pivot pin and a vertical pivot pin pivotally interconnected and providing for both horizontal and vertical movement of the frame with respect to the drawbar.

21,735

AUDIOMETER

Walter H. Huth and Joseph R. Cubert, Chicago, Ill., assignors to Aurex Corporation, Chicago, Ill., a corporation of Illinois

Original No. 2,156,945, dated May 2, 1939, Serial No. 150,084, June 24, 1937. Application for reissue December 17, 1940, Serial No. 370,511

34 Claims. (Cl. 179—1)

1. In a device for testing the hearing, a manual frequency control dial, a volume control rheostat including a manual decibel volume control dial, an indicator for each dial, and devices in-

cluding an adjustable rheostat connected in shunt to said volume control rheostat, and a cam for operating said shunt rheostat and operated by the frequency control dial for also controlling the decibel volume without disturbing any desired adjustment of the decibel dial, in a manner



compensating for any change in the frequency, operative thereby to maintain the indicated volume fixed for any given adjustment of said volume control dial regardless of any change or different adjustment of the frequency control dial so that only a single scale is necessary for the decibel dial.

21,736

RESIN BONDED ABRASIVE ARTICLE

Samuel S. Kistler, West Boylston, and Carl E. Barnes, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Original No. 2,189,733, dated February 6, 1940, Serial No. 187,550, January 28, 1938. Application for reissue September 3, 1940, Serial No. 355,210

5 Claims. (Cl. 51—298)

1. As an article of manufacture, an abrasive body comprising abrasive grains bonded with copolymerized compounds comprising methyl methacrylate and ethylene glycol dimethacrylate.

21,737

RESIN BONDED ABRASIVE ARTICLE

Samuel S. Kistler, West Boylston, and Carl E. Barnes, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Original No. 2,189,734, dated February 6, 1940, Serial No. 187,551, January 28, 1938. Renewed October 31, 1939. Application for reissue September 3, 1940, Serial No. 355,211

2 Claims. (Cl. 51—298)

1. As an article of manufacture, abrasive grains bonded with a copolymer of compounds comprising methyl methacrylate and methacrylic acid.

21,738

RESIN BONDED ABRASIVE ARTICLE

Samuel S. Kistler, West Boylston, and Carl E. Barnes, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Original No. 2,189,735, dated February 6, 1940, Serial No. 187,552, January 28, 1938. Renewed October 31, 1939. Application for reissue September 3, 1940, Serial No. 355,220

2 Claims. (Cl. 51—298)

1. An abrasive body comprising abrasive grains bonded with a copolymer of compounds comprising methyl methacrylate and allyl methacrylate.

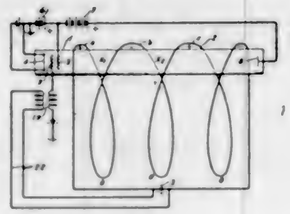
21,739

SPACE DISCHARGE APPARATUS

Frederick B. Llewellyn, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original No. 2,096,460, dated October 19, 1937, Serial No. 60,403, January 23, 1936. Application for reissue April 15, 1939, Serial No. 268,101

21 Claims. (Cl. 250—36)



17. The method of generating and amplifying a high frequency wave comprising subjecting a stream of electrons, initially continuous, to a high frequency alternating electric field, causing said field in a given region alternately to decelerate and accelerate electrons in said stream to produce a redistribution of the positional relations of the electrons lengthwise of the stream while allowing both the decelerated and accelerated electrons to traverse said region in the same direction and abstracting energy into said field from said stream at a point further along the stream where previously accelerated electrons tend to overtake decelerated electrons and both are in a retarding phase of said field and are traveling in said same direction.

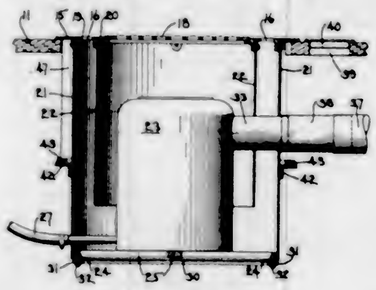
21,740

HEATER FOR HOUSE TRAILERS

Theodore M. Vullings, Muskegon, Mich.

Original No. 2,139,141, dated December 6, 1938, Serial No. 151,345, July 1, 1937. Application for reissue June 26, 1939, Serial No. 281,231

10 Claims. (Cl. 126—56)



1. In combination with a house trailer having an opening in the floor thereof, a heater, means for movably mounting the heater in said opening whereby it is movable therefrom to a position inwardly from its normal position so that it is more or less housed within the said trailer, spring means for moving the said heater to said position within the said trailer and means for holding it against movement by the said last mentioned means.

21,741

FLUID SEGREGATOR

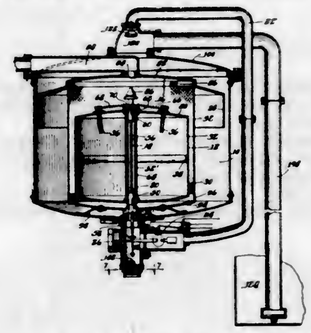
David Samiran, Dayton, Ohio, assignor, by direct and mesne assignments, to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana

Original No. 1,948,543, dated February 27, 1934, Serial No. 435,243, March 12, 1930. Application for reissue August 9, 1939, Serial No. 289,327

26 Claims. (Cl. 210—54)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a segregator mechanism comprising a chamber having inlet and outlet ports, a float operated valve mechanism disposed within said chamber to control one of said ports, and means completely enclosing said float operated valve mechanism and spaced substantially entirely from the walls of said chamber, said means comprising an upper deflector, a lower deflector, and



a sieve interposed between said upper and lower deflectors.

PLANT PATENTS

GRANTED MARCH 4, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

458

ROSE

Josephine D. Brownell, Little Compton, R. I.

Application July 18, 1940, Serial No. 346,162

1 Claim. (Cl. 47—61)

The hardy hybrid *Rosa wichuraiana* climbing rose variety, characterized by its vigorous branching growth, its glossy green foliage, its hybrid tea type of flower and cluster, the pleasing fragrance and double petalage of its flowers, with color and form substantially as described and shown, the color shades combining into a self color of nearly spectrum orange.

459

ROSE

Josephine D. Brownell, Little Compton, R. I.

Application July 18, 1940, Serial No. 346,163

1 Claim. (Cl. 47—61)

The rose variety substantially as shown and described, characterized by its new and distinctive constitution, including resistance to winter injury, its intensity and continuity of florescence, its pleasing fragrance, its long keeping character of the color of its petals and the form of its petals and the form of the flower, variable within certain definite limits, its character of long holding that form, its color varying from nearly Garnet to Lilac Pink, all in association with its habit of branching from bloom stems and from the base and blooming in the hybrid tea manner and its freedom from defoliation by black-spot during the growing season.

460

BARBERRY PLANT

Bonne Ruys, Dedemsvaart, Netherlands, assignor to E. D. Smith & Sons, Limited, Winona, Ontario, Canada

Application March 5, 1940, Serial No. 322,410

1 Claim. (Cl. 47—59)

A new and distinct variety of barberry characterized particularly by its coarse, free branching, spreading, and robust habit of growth, the shape and size of its leaves and their attractive color, and by its hardness, substantially as shown and described.

PATENTS

GRANTED MARCH 4, 1941

2,233,391

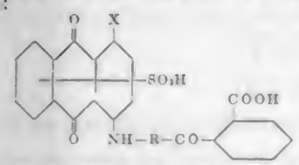
ACID WOOL DYESTUFFS OF THE ANTHRAQUINONE SERIES AND A PROCESS OF PREPARING THEM

Hans Becker, Hofheim in Taunus, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application January 17, 1939, Serial No. 251,317. In Germany February 11, 1938

10 Claims. (Cl. 260—344)

1. The process which comprises condensing a compound of the group consisting of aromatic hydrocarbons, their homologues and alkoxy substitution products at a temperature between zero and about 25° C. in the presence of concentrated sulfuric acid with a compound of the general formula:



wherein X represents a member of the group consisting of hydrogen and amino, and R represents an aryl radical of the benzene and diphenyl series.

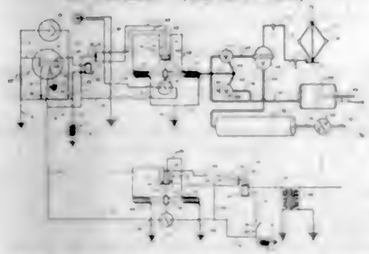
2,233,392

BRAKE OPERATING DEVICE

Percy C. Allen, Kansas City, Mo., assignor of one-half to E. J. Cusic, Slater, Mo.

Application May 9, 1938, Serial No. 206,826

19 Claims. (Cl. 188—110)



1. The combination with brake actuating means, of light responsive means for operating said brake actuating means, comprising switching means, means controlling the position of said switching means including a light responsive cell, and means for preventing release of the brake by said actuating means for a predetermined time interval, comprising time controlled means operative to permit release of said brake only after lapse of a time interval subsequent to full application of the brake.

2,233,393

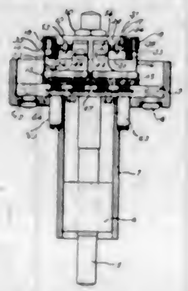
TIMER

Leonard J. Armstrong, Port Richmond, Staten Island, N. Y.

Application July 23, 1936, Serial No. 92,128

11 Claims. (Cl. 200—27)

1. In a timer, a substantially rigid frame, said frame having a pair of parallel, rigid end members, a pre-loaded leaf spring secured to and bearing against one of the faces of each of said end members, a breaker point mounted at each end of said springs and protruding through holes



formed in said end members, means for reciprocating said frame longitudinally, and a set of stationary breaker points adapted to contact with said movable breaker points as the frame reciprocates.

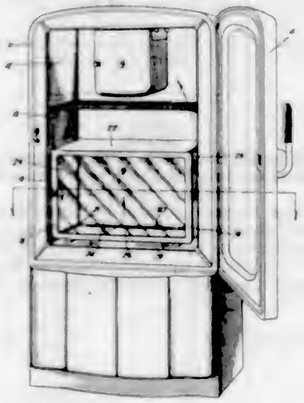
2,233,394

REFRIGERATION APPARATUS

John H. Ashbaugh, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 26, 1939, Serial No. 301,354

5 Claims. (Cl. 62—89)



1. In refrigeration apparatus, the combination of a refrigerator cabinet, a relatively low temperature cooling element for abstracting heat from the air in said cabinet which circulates into contact with the cooling element, said cooling element also abstracting moisture from the air in said cabinet, a substantially enclosed chamber disposed in said cabinet in which a high humidity is maintained and embodying top, side, rear and bottom walls and an open front, and a closure for the front of said chamber, said chamber having an aperture in the bottom wall thereof for draining moisture therefrom and depositing it in the dry circulated air, said cooling element in turn extracting said moisture from said circulated air.

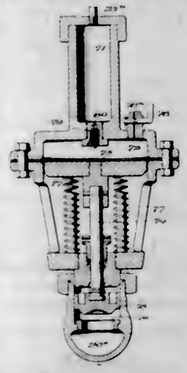
2,233,395

SAFETY APPARATUS FOR BOILERS

Alva G. Blanchard, Shreveport, La.

Application October 14, 1935, Serial No. 44,988

3 Claims. (Cl. 122—504)



2. In a safety apparatus for boilers, the combination of a fuel supply conduit, a valve in said conduit, means for yieldingly holding said valve open, a compartment, a pressure responsive means to respond to pressure in said compartment arranged to close the valve, means for supplying fluid under pressure to said compartment to force said fluid against the pressure responsive means, and non-return means to prevent back flow of fluid from said compartment to said supply, and manually operable means to relieve the fluid pressure in said compartment.

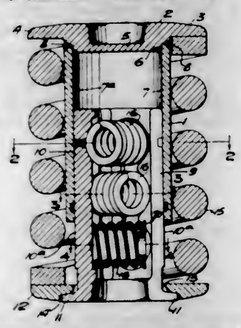
2,233,396

CUSHIONING UNIT

Emil H. Blattner, Rochester, N. Y., assignor to The Symington - Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application April 2, 1940, Serial No. 327,524

7 Claims. (Cl. 267—9)



1. In a cushioning unit, in combination, a sleeve, three shoes each having a stem portion extending into said sleeve, spring means outwardly of the sleeve reacting against said sleeve and shoes for urging them in opposite directions, and transversely disposed coil springs positioned between said shoe stems for urging them radially against said sleeve; each coil spring having one extremity in bearing relation with one shoe stem and the other extremity reacting against two shoe stems.

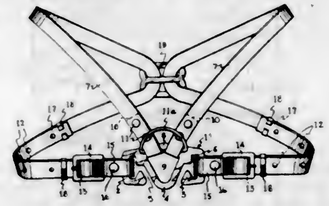
2,233,397

HARNESS FOR DOGS AND CHILDREN

Edgar J. Bloom, Tiffin, Ohio

Application February 20, 1939, Serial No. 257,446

13 Claims. (Cl. 227—49)



1. A harness comprising a buckle, a pair of elongated flexible members, means permanently securing corresponding ends of said members to the buckle, a slide piece interconnecting the mid portions of said members and dividing them into a shoulder-engaging collar and a girth band, each jointly formed by said members, said members forming reverse return-bends in engaging the slide piece, and means for detachably connecting the other ends of said members to the buckle.

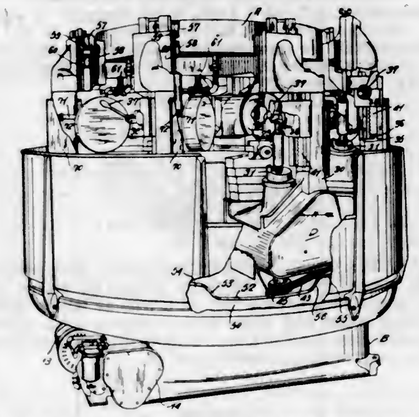
2,233,398

TURNING MACHINE

Theodore F. Carlin, Cleveland, Ohio, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio, a corporation of Ohio

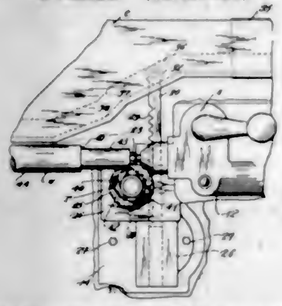
Application November 28, 1938, Serial No. 242,703

10 Claims. (Cl. 82—3)



2. In a machine of the character described, the combination of a frame, a work spindle rotatably supported in said frame, a tool spindle rotatably supported in said frame with its axis of rotation substantially at right angles to the axis of rotation of said work spindle and offset therefrom, means for rotating said work spindle, means for producing a relative feed movement between said work spindle and tool spindle in a direction parallel to the axis of rotation of the work spindle, and means including a non-uniform cam for rotating said tool spindle at a non-uniform rate but in predetermined relation to the feed movement.

2,233,399
LATHE
Theodore F. Carlin, Cleveland, Ohio, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1939, Serial No. 249,940
8 Claims. (Cl. 82—13)



1. An attachment for a lathe comprising a tool carriage movable longitudinally of the work and a cross slide slidably supported on said tool carriage, said attachment comprising a housing or member, a tool spindle rotatably supported in said housing or member, said housing or member being adapted to be detachably secured to the cross slide of the lathe with the axis of rotation of said spindle normal to and offset from the axis of rotation of the work, a cam adapted to be detachably secured to the lathe, and means actuated by said cam for rotating said tool post in predetermined relation to the movement of the tool carriage.

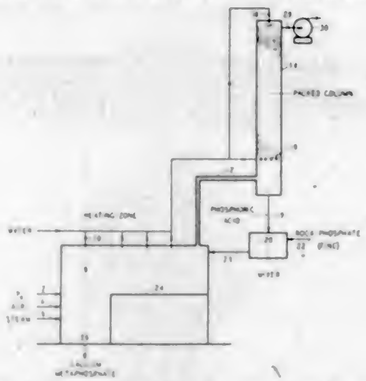
2,233,400
LOOM AND METHOD OF WEAVING
Margaret Clark, New York, N. Y., assignor of one-fourth to Edgar F. Rebner, Riverdale, N. Y.
Substituted for abandoned application Serial No. 43,167, October 2, 1935. This application June 11, 1940, Serial No. 339,842
21 Claims. (Cl. 139—33)



21. In a loom, stationarily mounted shed forming means guiding different groups of warps at an angle with each other to a line at which said groups cross and thus form sheds on both sides of said line, and a frame supporting said means in a permanently fixed position.

2,233,401
MAKING CALCIUM METAPHOSPHATE
Raymond L. Copson, near Sheffield, Ala.
Application November 9, 1939, Serial No. 303,627
3 Claims. (Cl. 23—108)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Process of making calcium metaphosphate from rock phosphate and metaphosphoric acid, which comprises forming a hot gaseous mixture containing metaphosphoric acid in a heating zone in which the lowest temperature is above the melting point of the calcium metaphosphate subsequently formed, separating hot metaphosphoric acid from said gaseous mixture outside said heating zone, mixing said hot metaphosphoric acid and the rock phosphate outside said heating zone, returning the mixture so prepared to said heating

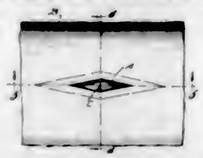


zone, and maintaining the temperature in said heating zone so that said mixture will react and form fused calcium metaphosphate.

2,233,402
PROCESS OF STIFFENING REGENERATED CELLULOSE
Arthur Cresswell, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 20, 1939, Serial No. 251,917
12 Claims. (Cl. 8—124)

1. In the process of stiffening artificial silk, the step which comprises treating a regenerated cellulose at an elevated temperature with formaldehyde in the presence of water and a catalyst, said catalyst consisting of an alpha-halogenated fatty acid having an ionization constant of about 7×10^{-4} to 3.2×10^{-3} at a temperature of about 25° C.

2,233,403
METHOD FOR INDICATING THE WEAR ON BEARINGS AND OTHER SURFACES
Hobart C. Dickinson, Washington, D. C., and Samuel A. McKee, Bethesda, Md., assignors to the Government of the United States, as represented by the Secretary of Commerce
Application December 1, 1938, Serial No. 243,392
1 Claim. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



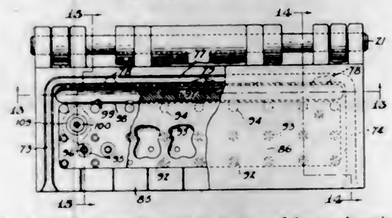
The herein described method for determining the amount or thickness of material which has been removed from a surface that has been subjected to wear or other surface removing action which includes forming an elongated tapered depression of predetermined length and depth in the surface of the material before it has been subjected to such surface removing action, the length of the depression bearing a definite relation to its depth, and then measuring the length

of the depression after the material has been subjected to wear or other surface removing action.

2,233,404
DIELECTRIC COMPOSITION
Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 28, 1938, Serial No. 216,298
1 Claim. (Cl. 252—66)

A liquid dielectric composition consisting essentially of a mixture of diethyl trichlorobenzene and diethyl tetrachlorobenzene.

2,233,405
METHOD OF AND APPARATUS FOR CASTING CYLINDER HEADS
Everett G. Fahlman, Lakewood, Ohio, assignor to The Permold Company, Cleveland, Ohio, a corporation of Ohio
Application December 27, 1938. Serial No. 247,872
26 Claims. (Cl. 22—91)



8. A permanent mold for making aluminum alloy castings, comprising separable mold sections abutting face to face with continuous contact between marginal portions of abutting faces, said faces being recessed to provide a casting cavity, a feeding cavity and a pouring passage, said feeding cavity extending along one side of the casting cavity and communicating along its inner side with the casting cavity, said pouring passage having a portion which substantially parallels the feeding cavity and communicates with longitudinally spaced portions of the feeding cavity only at the outer side thereof, said passage extending to the exterior of the mold in the direction of the openings therefrom to the feeding cavity, and means for supporting said mold to turn from a pouring position, in which said feeding cavity is lower than the casting cavity and the pouring passage feeds upwardly into the feeding cavity, to a reverse freezing position in which molten metal is trapped in said feeding cavity and can flow only into the casting cavity and molten metal in the pouring passage is discharged from the mold by gravity.

2,233,406
RESINOUS COMPOSITION AND METHOD OF MAKING THE SAME
Edmond F. Fiedler, Adams, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 27, 1938, Serial No. 204,620
11 Claims. (Cl. 260—44)

1. The method which comprises intimately associating one mol of a phenol with more than one mol of formaldehyde in the presence of an alkaline catalyst and at a temperature not exceeding substantially 100° C. for a period sufficient to react the phenol and formaldehyde but insufficient to form a distinct layer of a resinous condensation product, incorporating into the resulting liquid resinous reaction product a soluble alkyd resin having an acid number between approximately 140 and 210 at least partly to neutralize the said reaction product and to impart plasticity to the cured resinous mass, said alkyd resin being the product of reaction of an aromatic polycarboxylic acid, an alcohol having at least three hydroxyl groups, an aliphatic dicarboxylic acid and a dihydric alcohol, and dehydrating the liquid alkyd-modified resinous product under reduced pressure at a temperature not exceeding substantially 100° C.

2,233,407
FUNGICIDE
Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 31, 1936, Serial No. 93,718
6 Claims. (Cl. 167—31)

3. A fungicidal composition containing as an essential fungicidal constituent a mixture of alkyl phenol sulfonates of the benzene series which differ from each other in the alkyl groups and wherein the alkyl groups are derived from a petroleum distillate which boils mainly within the range 170° to 300° C. at atmospheric pressure.

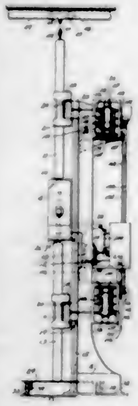
2,233,408
METHOD OF PRODUCING HIGHER ALKYL AROMATIC SULPHONATES
Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 11, 1938, Serial No. 195,414
14 Claims. (Cl. 260—505)

1. In the method of producing higher alkyl aromatic sulphonates from non-aromatic hydrocarbons and aromatic compounds by condensation of a mixture of non-aromatic hydrocarbons in an alkylating form with an aromatic compound, followed by a sulphonation treatment with a sulphonating agent, the improvement which comprises separating the mixture resulting from the treatment with the sulphonating agent into masses of differing densities by means of the differences in densities of the constituents of the mixture, one of said masses comprising higher alkyl aromatic sulphonic acids resulting from the sulphonation treatment and another of said masses comprising oily impurities.

2,233,409
MEANS FOR HANDLING FILM
Warren Dunham Foster, Washington, N. J., and Frederick Davenport Sweet, New York, N. Y., assignors, by direct and mesne assignments, to Kinatome Patents Corporation, Ridgewood, N. J., a corporation of New York
Application April 21, 1933, Serial No. 667,174
16 Claims. (Cl. 88—17)

1. In a film handling apparatus, a rotatable delivery carrier, a continuously driven delivery feeding member, an intermittently driven member engaging the film adjacent said delivery member to which intermittent member the delivery member advances the film, driving means for continuously rotating said delivery carrier at such rate that it continuously delivers film to said delivery member whereby said delivery member

merely advances the film from the delivery carrier toward the intermittent carrier without revolving the delivery carrier through tractive ef-



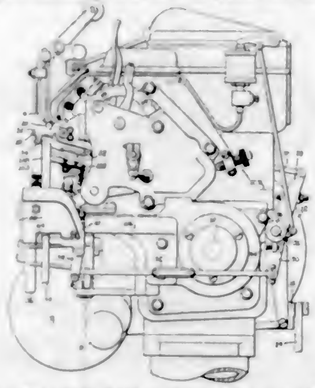
fort upon the film, and means engaging the film on said delivery carrier for determining the rate of rotation of said delivery carrier.

2,233,410
PROCESS FOR DIRECT NICKEL-PLATING OF ALUMINUM AND ITS ALLOYS
Jean Fraech, Paris, France, assignor to Societe de Produits Chimiques des Terres Rares, Paris, France
No Drawing. Application June 28, 1937, Serial No. 150,320. In France July 2, 1936
6 Claims. (Cl. 204—3)

1. A process of nickel-plating metallic objects of aluminum or its alloys, which comprises first subjecting said objects to an electrolytic degreasing treatment in an alkaline bath containing several per cent of a soluble cyanide and containing several per cent of a sulphate of a metal more electropositive than nickel and less electropositive than aluminum, said metallic object constituting the cathode in such electrolytic treatment and subsequently electrolytically depositing nickel thereupon.

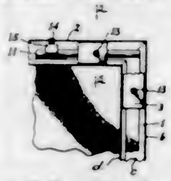
2,233,411
SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 3, 1939, Serial No. 265,621
22 Claims. (Cl. 112—46)

1. A machine for sewing a welt strip having feathered and unreduced edges to the marginal portion of an unattached shoe sole with the unreduced edge of the welt strip in registration with the edge of the sole having, in combination, a needle, a work support at one side of the sole being operated upon, a presser foot movable towards and from the work support at the other side of the sole to clamp the sole, a back gage for guiding that portion only of the sole opposite the point of operation of the needle, and a welt guide at the side of the sole with the work support arranged in advance of the point of needle operation to direct the welt strip towards the point of operation of the needle with the unreduced edge of the strip while in the guide extending sufficiently out of line with the back gage



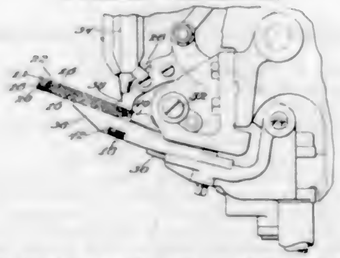
to cause the strip to be pressed against the back gage as the sole is fed.

2,233,412
METALLIC WINDOW SCREEN
Willis C. Hill, Los Angeles, Calif.
Application July 3, 1937, Serial No. 151,815
4 Claims. (Cl. 156—14)



1. In a screen of the class described, a frame comprising tubular frame members having slits at their inner sides, one of the frame members at one side of the frame being removable exposing open ends of adjacent frame members, a screen element having enlargements at opposite ends insertable into said open ends of said frame members, said enlargements being considerably larger than said slits, and means in one of the latter frame members for tightening the screen.

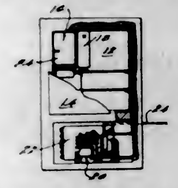
2,233,413
SEWING MACHINE
Nathan F. Hopkins, Rockland, and William A. Bertrand, Brockton, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 27, 1938, Serial No. 187,198
5 Claims. (Cl. 112—62)



1. A lockstitch machine for sewing a welt to

the marginal portion of an unattached outsole having, in combination, stitch forming and work supporting devices including a hook needle, a shuttle, a work piercing awl, a welt guide, a back gauge for guiding the edges of the welt and outsole into accurate registration, and means for supporting the outsole and welt with their surfaces in planes inclined to the paths of the needle and awl through the work at an angle in the order of 70°, and for holding the welt and sole against displacement by the operator or by the component lateral thrust of the stitch forming devices along said planes to cause the completed stitches passing from the welt to the tread surface of the sole to be inclined in a uniform manner at a predetermined angle towards the middle part of the tread surface of the sole, said means including a work support inclined to the paths of the needle and awl through the work positioned in proximity to the stitching point and of a substantial length and of a width relative to the line of feed at least substantially half the width of the sole at its narrowest point to engage and support the welt and a substantial length and width of the sole.

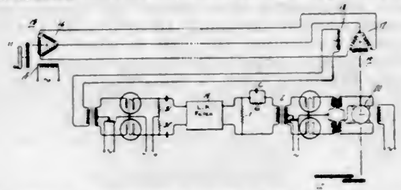
2,233,414
APPARATUS FOR HEAT TRANSFER
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 5, 1939, Serial No. 277,427
4 Claims. (Cl. 62—116)



2. In a refrigerating apparatus including a heat insulated cabinet, means defining a freezing compartment within said cabinet and separated from the circulating air within said cabinet, means defining a first closed refrigerating system comprising a first evaporator located within said freezing compartment, a refrigerant receiving header located outside of said freezing compartment, means connecting said evaporator and header in series, and means for delivering a first refrigerant medium to said first evaporator and withdrawing the same from said header including a compressor, a secondary closed refrigerating system comprising a condenser disposed in heat transfer relation with the refrigerant medium in said header, an evaporator in heat transfer relation to said circling air in said cabinet and a separate refrigerant having a lower volatility than that portion of said first refrigerant medium evaporating in said freezing evaporator whereby to effect heat transfer between the air in said cabinet and the refrigerant contained in said header at a temperature considerably above the temperature at which evaporation takes place within said first named evaporator.

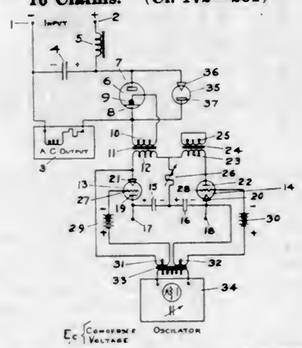
2,233,415
POSITION CONTROL SYSTEM
Harvard L. Hull, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 17, 1937, Serial No. 148,653
In Great Britain June 20, 1936
10 Claims. (Cl. 172—239)

8. A normally balanced electrical network, variable means for unbalancing said network, and means responsive to a function of the unbalance produced thereby for rebalancing said network including means for producing a voltage proportional to the unbalance and to its first and second time derivatives, said voltage produc-



ing means including a capacitance and a conductance connected in parallel and a transformer having a winding connected to said parallel circuit, the impedance of said parallel circuit being high relative to the impedance of said winding.

2,233,416
INVERTER
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 9, 1940, Serial No. 313,078
16 Claims. (Cl. 172—281)



3. An inverter comprising condenser means, means for charging said condenser means, an alternating current output circuit, ionizable gas or vapor-filled space discharge means for discharging said condenser means into said output circuit by an oscillating discharge whose frequency is determined by the condenser means and its associated discharge circuit and for limiting the number of current oscillations in said discharge to a predetermined number, said oscillating frequency being greater than that determined by the deionization time of said space discharge means, and means for initiating the discharge operation of said space discharge means at a predetermined frequency which is less than said oscillating frequency.

2,233,417
PROCESS OF PREPARING VITAMIN C
Charles G. King and William A. Waugh, Pittsburgh, Pa.
No Drawing. Application September 18, 1933, Serial No. 690,027
2 Claims. (Cl. 167—81)

1. In the method of isolating vitamin C from lemon juice the steps comprising decitrating said lemon juice and precipitating out the vitamin C with a copper-free basic lead compound, extracting oily impurities from an acid solution of the

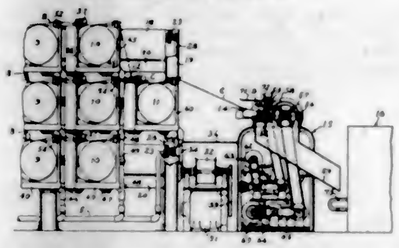
vitamin C precipitate by means of butyl alcohol, adding ethyl alcohol to the extracted solution to precipitate insoluble physiologically inert lead salt and after separating said inert lead salt adding acetone to produce a further substantially inert precipitate, filtering off the latter precipitate, evaporating the filtrate to dryness with enough barium carbonate to neutralize the acid therein, extracting the dry product with, and subsequently reprecipitating the physiologically active principle from, a non-reactive solvent of the nature of the group comprising methanol, ethanol, propanol, acetone, ethyl acetate and combinations of these with petroleum ether and dioxan.

2,233,418

MANUFACTURE OF STAPLE FIBER

Hayden B. Kline, Cleveland, and Lavern J. Jordan, Fairview Village, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application May 25, 1937, Serial No. 144,582
9 Claims. (Cl. 18—8)



7. Apparatus for manufacturing filament aggregates characterized by the presence of substantially parallel fibers of staple length comprising a horizontally extending series of unitary thread-advancing reels disposed with the discharge ends of all reels facing in one and the same direction, each of said reels positively advancing the thread toward the discharge end thereof in a large number of substantially helical turns; means at one end of said series of reels for forming a thread which travels in turn to each of the reels of said series; means intermediate the ends of said series of reels for subjecting the thread to processing treatment; means at the opposite end of said series of reels for reducing to fibers of staple length the filaments going to make up the processed thread; and, disposed in juxtaposition to said last-mentioned means, a drying chamber adapted to receive the product immediately after its discharge from said last-mentioned means without substantial impairment of the parallelism of the fibers.

2,233,419

ALIPHATIC AMINE SALTS OF NICOTINIC ACID

Edmond E. Moore, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application January 20, 1938, Serial No. 185,910
7 Claims. (Cl. 260—295)

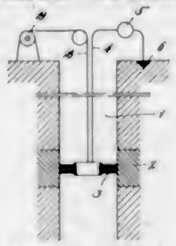
1. A therapeutic composition adaptable for hypodermical administration consisting essentially of an aqueous solution of a straight chain aliphatic amine salt of nicotinic acid, said solution being chemically practically neutral, physiologically stable and compatible with the tissues, and being further characterized by quick and complete absorption of the desired therapeutic properties upon injection.

2,233,420

METHOD OF AND APPARATUS FOR EXPLORING DRILL HOLES

Eugene Gilbert Leonardon, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application June 4, 1937, Serial No. 146,429
19 Claims. (Cl. 175—182)



12. Method for determining electrolyte-containing porous beds traversed by a drill hole not containing a column of electrically conductive fluid, consisting in measuring at successive depths by means of an electrode in contact with the walls of said drill hole, the potential differences occurring at the contact between the electrode and the electrolyte in the porous bed.

2,233,421

DETACHABLE DRILL BIT

Percill Liddicoat, St. Catharines, Ontario, Canada

Application October 31, 1938, Serial No. 237,875
In Canada November 15, 1937
9 Claims. (Cl. 255—64)



2. A drill rod and bit assembly for percussive drilling, said assembly consisting of a bit having cutting teeth on its lower portion and having its upper portion shaped to define a central recess, open at its upper end and bounded by an upstanding annular wall and a bottom seat, said wall having a side recess on its inner face positioned close to said seat, and a drill rod slidably entered in said bit and with an end engaging said seat, said end being formed of a material integral with the rod and arranged deformable upon impact of the end on the seat when the assembly is used in cutting to provide an end edge portion movable into said side recess to hold the rod and bit in assembled relation during the cutting operation, said end edge portion being arranged readily deformable to facilitate the withdrawal of the rod from the bit at the end of a cutting operation.

2,233,422

METHOD OF COATING COPPER AND ITS ALLOYS

Herman J. Lodeesen, Royal Oak, Mich.

No Drawing. Application June 6, 1938, Serial No. 212,209
5 Claims. (Cl. 148—6)

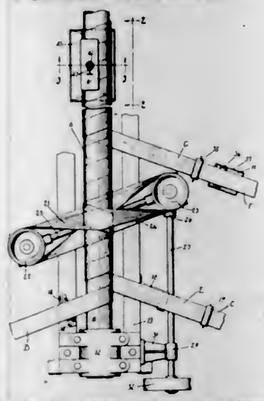
1. A process for producing corrosion retarding coatings on articles of copper and its alloys which comprises subjecting the surface thereof to the action of a solution containing an acid phosphate selected from the group consisting of zinc, manganese, cadmium and magnesium and an oxidizing agent selected from the group consisting of chlorates, bromates, periodates, hypochlorites and quinone.

2,233,423

METHOD OF MAKING FIBER CONTAINERS

Donald G. Magill, Great Neck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application January 19, 1939, Serial No. 251,802
5 Claims. (Cl. 93—94)



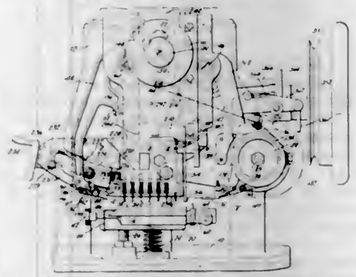
1. A method of making fiber containers, which comprises producing a fiber tube, winding on said tube a strip of paper carrying a coating of molten wax, said wax coating being on the outer surface of the wound paper, and suddenly chilling said molten wax coating so as to change its crystalline structure thereby greatly increasing its resistance to moisture.

2,233,424

TAPING MACHINE

James E. McIntire, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 22, 1939, Serial No. 280,569
39 Claims. (Cl. 12—51)



1. In a taping machine, the combination of a work support, a source of tape supply, means for cutting a predetermined length of tape from said supply, and means for applying said length of tape to work on said support, said cutting means comprising a die having spaced curved cutting edges converging transversely of the path of the tape, and a punch cooperating therewith to shear a section from the tape whereby the trailing edge of the severed piece and the leading edge of the succeeding tape each have a curved corner at one end edge thereof.

2,233,425

BOOK

Robert C. McKay, Swampscott, Mass.

Application March 10, 1938, Serial No. 195,068
2 Claims. (Cl. 281—25)



2. A book comprising a plurality of sheets perforated, a plurality of wire loops extending through the perforations of said sheets, the diameter of the wire being less than the diameter of said perforations and the loops being formed in an elongated semi-circle, each wire being bent over a strip of binder's cloth, and a strip of binder's board to which said cloth strip is adhesively fastened, the ends of said wire loops being pressed into the binder's board and held in place by the binder's cloth.

2,233,426

LUBRICANT

John G. McNab, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 14, 1938, Serial No. 234,899
12 Claims. (Cl. 252—36)

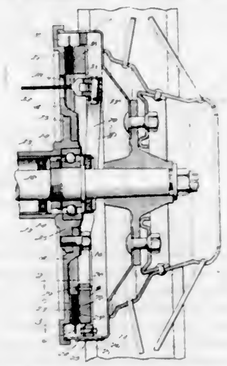
1. An improved crankcase lubricating composition comprising a mineral lubricating oil and small amounts of polyvalent metal soaps selected from at least two of the groups of aluminum, nickel, and the alkaline earth soaps the total amount of soaps present being from $\frac{1}{10}$ to $3\frac{1}{2}\%$ of the oil, and the amount of soap from any one of the three groups being at least 10% of the total amount of soap present.

2,233,427

BRAKE

Joseph M. Milan, Indianapolis, Ind., assignor of four and three-tenths per cent to Andrew Nordin, Los Angeles, Calif.

Application December 7, 1936, Serial No. 114,683
11 Claims. (Cl. 188—72)



1. A brake of the character set forth comprising

a backing plate, a pressure plate spaced from said backing plate, a disk between said plates, said disk being equipped with resilient means for connecting said disk with the wheel of a vehicle, said means comprising a plurality of leaf springs being adapted to hold said disk normally free from contact with said plates, and means for decreasing the spacing between said plates to bring said disk into contact with said plates, said leaf springs having a sliding connection with said wheel.

2,233,428
EMBALMING FLUID
William B. O'Brien, Brookline, Mass., assignor to The Dodge Chemical Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application May 27, 1939, Serial No. 276,091
14 Claims. (Cl. 27—21)

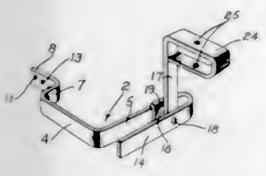
1. A method of embalming, comprising injecting into the vascular system, tissues and cavities of the body an embalming fluid characterized by containing an acetal as an active ingredient and by permeating the tissues and fluids of the body and subsequently reacting to form or liberate free aldehyde.

8. An embalming composition, comprising an acetal as an active ingredient.

2,233,429
METHOD OF PRODUCING BETA-TETRACHLOR-KETONAPHTHALENE
Iwan I. Ostromislensky, New York, N. Y., assignor, by direct and mesne assignments, of one-half to M. W. Openchowski, Newark, N. J., and one-half to Gordon Brown Scheibell, Millburn, N. J.; William O. Scheibell, administrator of said Gordon Brown Scheibell, deceased
No Drawing. Original application April 23, 1936, Serial No. 76,009. Divided and this application September 21, 1937, Serial No. 164,906
4 Claims. (Cl. 260—590)

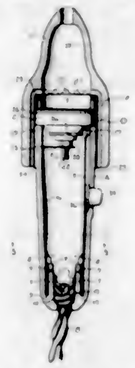
1. A method of producing beta-tetrachlorketonaphthalene, consisting in dissolving pentachlor-alpha-ketonaphthalene in boiling alcohol with an amine, separating the product, washing and drying.

2,233,430
CURTAIN AND SHADE SUPPORT
Robert E. Ratcliffe, Dallas, Tex.
Application October 5, 1939, Serial No. 298,136
5 Claims. (Cl. 248—254)



1. A support of the character described comprising a main bracket adapted to be secured to a side portion of a window frame and having an arm for extending horizontally across a side portion of the window frame and a horizontal rod supporting tongue spaced forwardly from the arm, an auxiliary bracket disposed vertically and having a U-shaped base mounted between the arm and tongue of the main bracket and a fastener passing through the base and through the arm and the tongue of the main bracket to firmly hold the auxiliary bracket in place.

2,233,431
ELECTRICAL VAPORIZER
Joseph Robinson, New York, N. Y.
Application February 18, 1936, Serial No. 64,475
Renewed August 16, 1939
4 Claims. (Cl. 128—192)

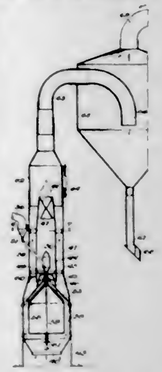


1. An electrical vaporizer comprising in combination, an elongated hollow base provided with a horizontally arranged seat on its upper portion, a pair of vertically arranged sockets or bearings formed on the interior of said base adjacent to the bottom thereof, a heater mounted on said seat and positioned horizontally thereby, a receptacle for a substance to be vaporized, said receptacle being fitted tightly to the upper end of said hollow base in retaining relation to said heater and in liquid tight relation to said base, a nasal part set over said receptacle and insulating the same and serving to direct the vapors to the nasal passage, an electric cord extending into said base from the lower end thereof, and a pair of resilient switch blades mounted in said sockets and frictionally removably held therein, said blades being in contact with said cord and adapted to conduct current therefrom to said heater, one of said blades being in constant engagement with said heater and the other being normally disengaged from said heater and adapted to be manually pressed against the heater to close the circuit.

2,233,432
SEPARATING APPARATUS
Frederick C. Schramm, New Orleans, La., assignor of sixty-six two-hundred-and-fifty-seconds to Koch Co. Inc., thirty-one two-hundred-and-fifty-seconds to Anthony J. Marciante, thirty-one two-hundred-and-fifty-seconds to Peter Ciaccio, thirty-one two-hundred-and-fifty-seconds to Vito Manale, thirty-one two-hundred-and-fifty-seconds to Dominick Ciaccio, thirty-one two-hundred-and-fifty-seconds to J. C. Hare and thirty-one two-hundred-and-fifty-seconds to Peter J. Ciaccio
Application February 8, 1936, Serial No. 63,005
21 Claims. (Cl. 209—139)

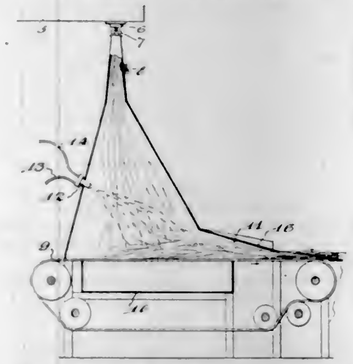
1. In a separating apparatus, a column, means to induce a current of air in said column, means to feed material to be separated into said column, an axially extending cylindrical core arranged in the column and spaced from the walls and top

thereof to provide an annular space in the column for the passage of a uniform current of air, and



means to adjust the length of said column above the core.

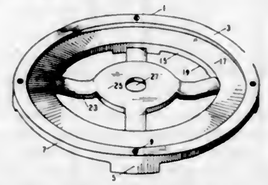
2,233,433
GLASS WOOL
Harry Vroman Smith, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application August 6, 1936, Serial No. 94,619
11 Claims. (Cl. 154—28)



5. The method of producing nodulated glass wool which comprises forming a mat of glass wool fibers, coating said fibers with a thin layer of free alkali in amounts not more than about one-half of one percent by weight, reducing said mat to individual chunks, and then rolling said chunks to nodules.

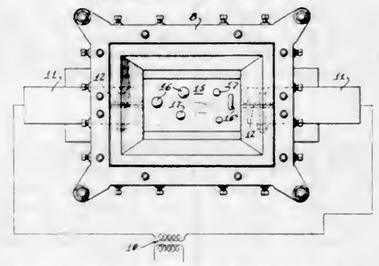
2,233,434
CERAMIC SUPPORT
William F. Smith, Knoxville, Tenn.
Application December 6, 1937, Serial No. 178,236
2 Claims. (Cl. 25—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a vertically aligned assembly of a plurality of superposed fired ceramic ware support elements and a plurality of unfired ceramic articles in which each article is between two support elements, a ceramic ware support element which comprises a continuous outer portion of substantially uniform width having alternate thin and thick zones and defining a space of greater extent than that occupied by a ceramic article, the thick zones of said outer portion being contiguous with like thick zones of a subjacent support element whereby said thin zones are separated from said subjacent support element for effecting circulation of a fluid heating medium through said support elements; an in-



wardly declined continuous portion integral with said outer portion for supporting the reverse of the superposed unfired ceramic article adjacent to the rim of said article; a plurality of spaced inwardly declined arms integral with said declined portion; and a continuous center portion integral with the ends of said arms opposite said outer portion for supporting the central area of the reverse of the ceramic article.

2,233,435
GLASS STOCK FOR ELECTRIC MELTING
Henry Snow, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application February 26, 1938, Serial No. 192,689
4 Claims. (Cl. 49—77)

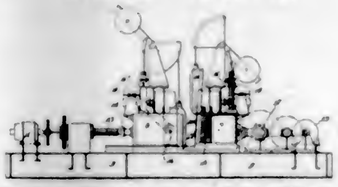


4. The method of melting glass for use in forming filaments which comprises forming glass into substantially spherical shapes and imparting strains therein, feeding said shapes into a furnace and melting said shapes in the furnace.

2,233,436
LUBRICANT
Waldo L. Steiner, Ponca City, Okla., assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application January 22, 1940, Serial No. 315,126
4 Claims. (Cl. 252—31)

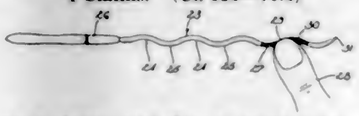
1. A composition of matter comprising in combination a major proportion of a lubricant and a minor proportion of a physical solution of elemental sulphur in uncombined form dissolved in a minor proportion of a solvent comprising a halogen bearing alkylated aromatic compound which is a sulphur solvent and is itself soluble in said lubricant.

2,233,437
STRAIGHTENING MACHINE
William J. Todhunter, Newcastle, New South Wales, Australia
Application August 2, 1939, Serial No. 287,916
10 Claims. (Cl. 153—48)



1. In a straightening machine, the combination of a supporting frame, a pair of heads mounted thereon adapted to move toward and away from each other, each head provided with a guide-way extending upwards from the frame, said guide-ways being oppositely positioned and diverging upwardly one from the other, a lifting gag movable in each guide-way upward from operative to inoperative position and downward from inoperative to operative position.

2,233,438
NAIL FILE CONSTRUCTION
Henry Troya, Glendale, Calif.
Application April 7, 1939, Serial No. 266,499
4 Claims. (Cl. 132—76.4)



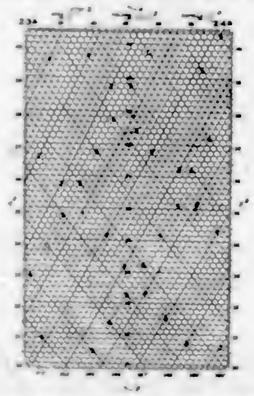
1. In a finger nail file, a combination of: a file body; and abrasive means on a surface thereof, said surface comprising a longitudinally directed concavity and a longitudinally directed convexity.

2,233,439
PROCESS FOR THE MANUFACTURE OF ISOLATED VEGETABLE PROTEIN
Eric Wahlforss, Agelzy, Finland, and John A. Satosky, deceased, by Helen Satosky, administratrix, Cleveland, Ohio, assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 17, 1937, Serial No. 126,237
5 Claims. (Cl. 134—12)

5. The method of isolating soya bean protein in high yield comprising extracting soya bean meal with an alkali solution at a pH about 11.0 or above, adding lime in amount sufficient to maintain a pH about 11.0 or above and digesting the meal while denaturing the protein in solution, separating the solution from the insolubles, and precipitating the protein from the solution.

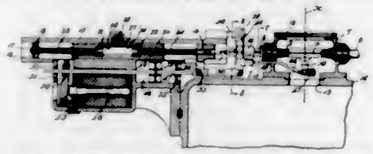
2,233,440
CHART AND METHOD OF CONSTRUCTION THEREOF
Philip V. H. Weems, United States Navy, Annapolis, Md.
Application February 23, 1939, Serial No. 257,896
7 Claims. (Cl. 101—426)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

7. The method of preparing an annual series of charts carrying reference indicia and at least one set of lines related thereto, which set of lines undergoes an annual bodily shift of position with respect to said reference indicia, comprising the steps of preparing a chart outline with said reference indicia positioned relative thereto, transferring said outline and indicia to a sheet which is to be a finished chart, preparing a master drawing of said set of lines computed for a datum year of said series and bearing corner marks, which corner marks match the corners of said outline, and



which marks are so located as to correctly position said set of lines with respect to said outline for said datum year, transferring said set of lines on to said sheet with said corner marks in registry, and when preparing a chart for a year of the series other than the datum year, shifting said corner marks an amount equal to the bodily shift of said lines for the period of time comprised between said year and said datum year, and transferring said lines to said sheet in accordance with said shifted corner marks.

2,233,441
RESETTING APPARATUS
Lloyed E. Whittaker, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application March 10, 1939, Serial No. 260,977
8 Claims. (Cl. 88—24)



1. Cinematographic apparatus comprising an optical element, means supporting said element for movement in each of two planes intersecting each other along the optical axis of said element, a film-controlled actuator for moving said element in each of said planes, an abutment, two springs interposed between the actuator and abutment in opposition so as to tend to produce movement of the actuator to the position wherein the springs are counterbalanced, releasable means for holding the actuator against said movement, means for adjusting the abutment to unbalance said springs in various degrees, and means for releasing said holding means to permit said counterbalancing movement, thereby to quickly make a predetermined adjustment.

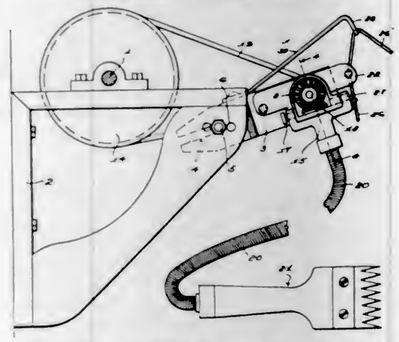
2,233,442
POLYMERIC VINYLIDENE CHLORIDE ARTICLE
Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 31, 1938, Serial No. 211,055
4 Claims. (Cl. 28—1)

1. A fabricated polymeric article capable of lying substantially in a single plane, having at least one major dimension, and at least one minor dimension less than about 0.1 inch, consisting essentially of a polymer of vinylidene chloride alone, said article being characterized by having orientation of the molecules parallel to one another and to a major surface of the article.

2,233,443
ALLOY AND CUTTING TOOL MADE THEREFROM
William A. Wissler, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
No Drawing. Application May 16, 1940, Serial No. 335,503
2 Claims. (Cl. 75—170)

1. An alloy comprising 20% to 40% tungsten, 5% to 15% molybdenum, 1% to 6% vanadium, carbon in a percentage under 1%, remainder substantially all cobalt.

2,233,444
SHEARING MACHINE
Hubert O. Woody, Jerome, Idaho
Application September 19, 1939, Serial No. 295,658
4 Claims. (Cl. 74—405)



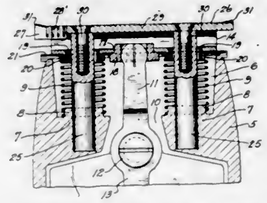
1. A driving apparatus of the class described comprising a main shaft, a support therefor, a carrier member, a single bolt for connecting the carrier member to the support, a transversely arranged shaft rotatably supported by the carrier member, a gear at one end of the transverse shaft, a clutch part at the other end thereof, a pulley on the transverse shaft, means including a belt for driving the pulley from the main drive shaft, said pulley and the clutch part having inter-engaging projections, an abutment member supported by the transverse shaft at the gear carrying end thereof, a yoke pivoted to said member, a third shaft carried by the yoke, a gear connected with the third shaft and meshing with the first-mentioned gear, said bolt permitting the carrier member to move to slacken the belt when rotary movement of the third shaft is unduly resisted, a manually operated abutment member for moving the shaft in a direction to move the inter-engaging projections out of engagement with each other when the manual member is moved against the abutment member, and spring means for moving the transverse shaft in an opposite direction when the manually actuated member is moved away from the abutment member to place the projections in engagement with each other.

2,233,445
SHAVING DEVICE
Mathew Andis, Racine, Wis.
Application April 6, 1938, Serial No. 200,391
3 Claims. (Cl. 30—43)



1. In a shaving device having a reciprocally movable cutter member provided with slots, an outer blade member mounted above said cutter, means connected to a portion of said blade for supporting the blade against movement, said blade having a free edge portion projecting beyond the supporting means, and said projecting portion being of sufficient thickness and rigidity throughout the major portion of its length to support itself against flexing, said outer blade member having an outer surface portion adjacent said free edge ground concavely to gradually taper the thickness of the metal to not greater than .003 of an inch and having a portion of uniform thinness not greater than .003 of an inch extending outwardly from said concavely ground portion, said portion of uniform thinness having slots positioned over the slots of the cutter member and extending over such a limited distance toward the free edge of the blade, not greater than .050 of an inch, that the teeth of said uniformly thin slotted portion will not break during normal use in spite of the thinness of said portion.

2,233,446
SHAVING DEVICE
Mathew Andis, Racine, Wis.
Application April 7, 1938, Serial No. 200,566
4 Claims. (Cl. 30—43)

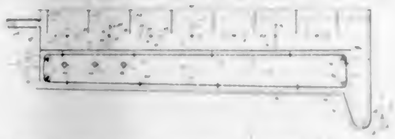


1. In a shaving device, a supporting structure, posts extending from said supporting structure, a slotted fixed blade supported by the outer ends of said posts, a cutter slotted to cooperate with the slots of the fixed blade and positioned below the latter, said cutter having apertures therein through which the supporting posts extend, and said apertures being of such size with respect to the thickness of the posts as to permit said cutter to reciprocate, and coil springs surrounding the posts and connected at one end to the supporting structure and at the other end to the cutter for applying tension to the cutter, said springs being of such diameter with respect to the posts as to flex laterally during reciprocation of the cutter without interference from said posts.

2,233,447
WASHING FRUIT
Clarence D. Dolman, Chelan County, Wash., assignor to Hercules Glue Company, a corporation of California
No Drawing. Application January 24, 1940, Serial No. 315,329
12 Claims. (Cl. 99—103)

1. In a process for removing spray residues from fruit in which the fruit is washed the steps of wetting the fruit with an aqueous solution of a soluble salt selected from the group consisting of zinc, aluminum, trivalent iron and trivalent chromium salts, and washing the so wetted fruit with an alkaline solution while said fruit still carries said soluble salt solution to form on the fruit surface and in said residue a flocculent hydroxide.

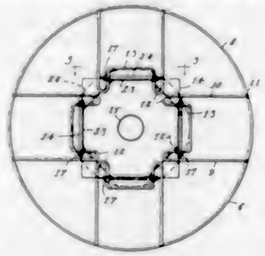
2,233,448
LIQUID CLARIFICATION APPARATUS
Anthony J. Fischer, Jackson Heights, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application December 15, 1937, Serial No. 179,814
4 Claims. (Cl. 210—3)



1. Apparatus for clarifying liquids, comprising a tank having a substantially horizontal partition below the top of the tank and extending from one end of the tank toward the other end of the tank and defining a flocculation zone at one side of the partition and a sedimentation zone at the other side of the partition, said zones being superposed with respect to one another, said partition being so constructed and arranged as to form a flow passage at one end section of the tank for hydraulic communication between said zones, bladed agitating means operable in the flocculation zone at a speed sufficient to effect coagmentation of suspended material into settleable flocs, a discharge outlet for sediment at said end section of the tank, mechanism for impelling sediment from said sedimentation zone to said discharge outlet, influent means disposed substantially at the far end of the flocculation zone relative to said flow passage, and outlet means disposed substantially at the far end of the sedimentation zone relative to said flow passage for the flow of clarified supernatant liquid therefrom, whereby the liquid being treated passes from the influent means in a generally horizontally progressive direction through the flocculation zone, and from the flocculation zone through said passage into the sedimentation zone, and then away from said passage through said sedimentation zone in horizontally progressive direction to said outlet means for the clarified liquid.

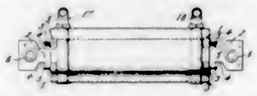
2,233,449
KNOCK-DOWN REEL CONSTRUCTION
Clarence S. Glenny, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application December 21, 1940, Serial No. 371,139
7 Claims. (Cl. 242—115)

1. A reel comprising generally circular end members each of which consists of a rim and a plurality of open spokes joined at their outer ends to the rim and having radially projecting ears at the inner ends of the openings therein, and cross-members for detachably securing the end mem-



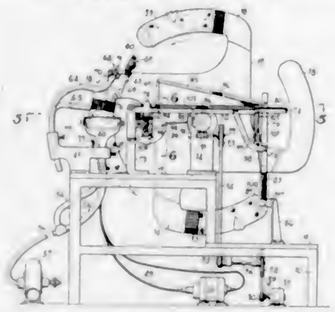
bers together in spaced parallel relation having openings in the ends thereof receiving said ears.

2,233,450
RESISTANCE UNIT
Donald F. Hastings, Fair Lawn, N. J., assignor to Hardwick, Hindle, Inc., Newark, N. J.
Application December 20, 1939, Serial No. 310,155
8 Claims. (Cl. 201—63)



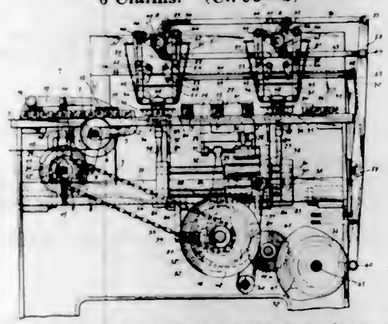
1. A resistance unit comprising a single-piece hollow core of ceramic material having a winding thereon with terminals leading therefrom, a metallic member passing through the ceramic core and having integral abutment means at opposite ends of the said core, the abutment means at one end at least being formed at an angle to the axis of the metallic member and displaced, after assembly of the metallic member and core, in a manner to engage the end of the core and lock the core with its winding securely on the metal member, and means at the extremities of the metal member for mounting the unit on a support.

2,233,451
AUTOMATIC HOSE SHEARING AND STRIPPING APPARATUS
Robert O. Huffman, Morganton, and Gales W. Shuford and Beeler F. Childers, Drexel, N. C., assignors to Drexel Knitting Mills Company, Drexel, N. C., a corporation of North Carolina
Application June 3, 1940, Serial No. 338,662
11 Claims. (Cl. 26—7)



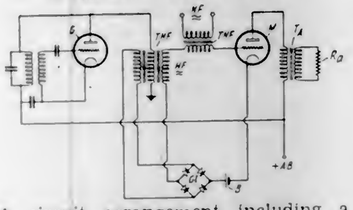
1. Apparatus for shearing loose ends from hosiery and the like, comprising a plurality of travelling forms, each adapted to receive a hose, and a stationary shearing device disposed adjacent the path of travel of said forms for shearing the ends projecting from the hose.

2,233,452
CIGAR WRAPPING MACHINE
Ernst Hermann Jähne, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application October 8, 1936, Serial No. 104,654
In Germany October 21, 1935
6 Claims. (Cl. 93—2)



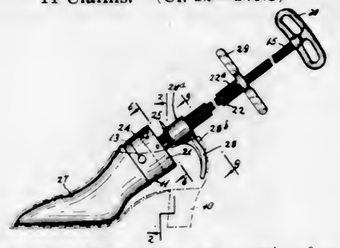
1. In a cigar wrapping machine, a cigar wrapping device consisting of a support, levers pivoted upon said support, an arm pivoted to each of said levers, folding fingers on the free ends of the arms, rollers on the arms intermediate their ends, cam devices suitably supported and adapted to cooperate with said rollers, means biassing said arms towards one another, means for operating said cam devices whereby the fingers on the arms are adapted to overlap the ends of a wrapper about the cigar, a pressure band trained across said fingers and interposed between the fingers and the wrapper, and resilient means for supporting said pressure band.

2,233,453
TRANSMITTER
Friedrich Kaeser, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Berlin, Germany, a corporation of Germany
Application April 8, 1938, Serial No. 200,856
In Germany April 17, 1937
5 Claims. (Cl. 179—171.5)



1. A circuit arrangement including a first thermionic discharge tube having a control grid and serving as a generator for high frequency oscillations, a second thermionic discharge tube having a control grid and serving as a modulator tube for high frequency oscillations, means for applying a biasing potential to said control grid of said second tube, means for rectifying a portion of the oscillations as generated by said first tube and means for applying said rectified oscillations as an added bias to the control grid of said second tube.

2,233,454
SHOE STRETCHING LAST
Joel Koskela, New York, N. Y.
Application June 15, 1940, Serial No. 340,650
11 Claims. (Cl. 12—128.3)



1. In a shoe stretching last, a pair of complementary last blocks engageable into the toe of a shoe and having a wedge hollow in their adjacent faces, a transverse stud between and extending into the rear ends of said blocks, a longitudinally extending screw threadedly engaging said stud, a wedge rotatively mounted on said screw and engaging in said wedge hollow, a bracket mounted on the rear of each last block and having cam surfaces and latch elements, a tube freely mounted on said screw, a member freely and rotatively mounted on said tube and having latch elements complementary to said latch elements for holding said brackets together and cam surfaces complementary to said cam surfaces for holding the rear ends of said last blocks spaced, and means for holding said member fixedly with respect to one of said brackets.

2,233,455
METHOD OF WELDING
Louis J. Larson, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 21, 1938, Serial No. 209,327
5 Claims. (Cl. 113—112)

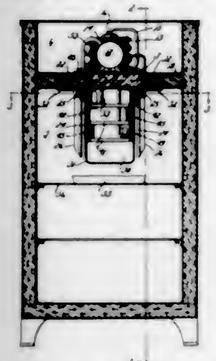


1. The method of welding a solid piece end member to a multi-layer shell section of a pressure vessel where said end member and one or more inner layers of said shell section are of a metal which is self hardened by welding, which comprises depositing on the scarf of the end member a layer of weld metal which is not hardened by welding operations, enclosing the aforesaid one or more layers of the shell section with a layer of metal which is not self hardened by welding, aligning the layer section thus formed with the end member and welding the two parts together, heat treating the parts to remove hardness, forming additional layers around the previously formed shell section and joining said additional layers to the aforesaid end member by welding in the groove protected by said deposit.

2,233,456
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Original application May 31, 1934, Serial No. 728,289. Divided and this application November 11, 1937, Serial No. 174,098
4 Claims. (Cl. 62—116)

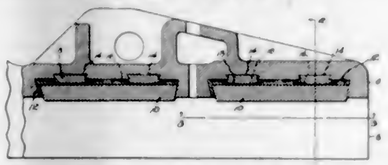
1. Refrigerating apparatus comprising a cabi-

net, an enclosure within said cabinet enclosing a low temperature zone including a vertical wall positioned in close proximity to a wall of the cabinet to provide an air cooling zone, heat absorbing means including a portion for maintaining low temperatures in said low temperature



zone and a portion positioned adjacent said vertical wall for cooling circulating air to the desired temperature as it passes through said air cooling zone, and means for maintaining a higher temperature in the heat absorbing portion which cools said circulating air.

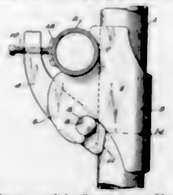
2,233,457
CROSSHEAD SHOE OR THE LIKE
Lawrence Richardson, Melrose, Mass.
Application March 7, 1939, Serial No. 260,423
6 Claims. (Cl. 308—3)



1. A machine element having a wear plate carried thereby for bearing on a surface of a cooperating element to take the wear incident to relative movement of the parts, the carrying element having an overhanging shoulder adjacent the plate, springs underlying the plate and a body of metal fusible at a temperature sufficiently low not to be destructive of the springs or plates interlocked with the shoulder and embedding the lower portion of the plate to retain it in a position determined by the compression of the springs.

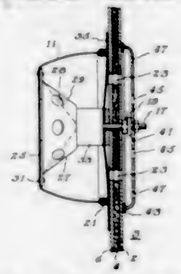
2,233,458
CLAMPING DEVICE
Massimo Segre, New York, N. Y.
Application April 17, 1940, Serial No. 330,080
4 Claims. (Cl. 287—54)

1. A clamping device for connecting two scaffolding elements together, comprising a saddle adapted to engage one scaffolding element and having seats therein to hold a second scaffolding element in fixed spaced relationship to the first; a lever loosely engaging said saddle; and a locking member cooperating with said seats to hold the second scaffolding element in gripping engagement and concurrently exerting a pressure on one end of said lever whereby the other end thereof is forced against the first scaffolding element and cooperates with said saddle to hold it in gripping engagement, said



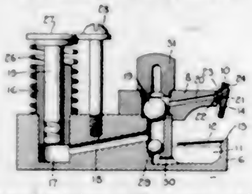
saddle engaging said first scaffolding element on both sides of the section thereof which is in contact with said lever.

2,233,459
ACOUSTIC APPARATUS FOR MOTOR DRIVEN VEHICLES
Frederic F. Shoup, Oaklyn, N. J., and Cyrus O. Caulton, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application May 29, 1937, Serial No. 145,634
21 Claims. (Cl. 181—31)



19. In a loud speaker installation for automotive vehicles, in combination with a panel adapted for use in said vehicle and of sufficient area to act as an efficient baffle for a loud speaker, a loud speaker, a housing therefor and wholly containing said speaker, said housing being open for the passage of sound waves at both ends, means mounting said housing against said panel with an end of said housing in substantial air excluding contact with said panel, said housing being supported on said panel and wholly to one side thereof, said panel being perforated in the area thereof covered by said housing with at least one perforation of sufficient size to relieve acoustic loading, so that said panel acts as a baffle for said loud speaker.

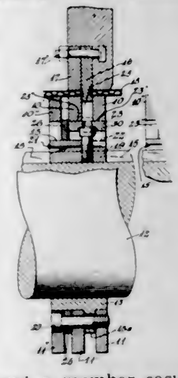
2,233,460
RING ASSEMBLY
Elmer R. Stahl, Meyersdale, Pa., assignor to Celanese Corporation of America, a corporation of Delaware
Application February 16, 1940, Serial No. 319,259
6 Claims. (Cl. 57—120)



1. The combination with a ring rail for a ring

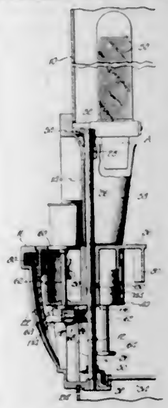
spinning machine of a plunger pump for supplying lubricant to the inner surface of a ring of said rail and a reservoir feeding said pump, said pump and reservoir being so positioned as to move with the rail, the reservoir being beneath the ring so as to collect any excess oil supplied thereto and the pump being adapted to be operated by the reciprocating movement of the ring rail.

2,233,461
KEY MECHANISM
Gustave A. Ungar, Pelham Manor, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application March 4, 1938, Serial No. 193,837
7 Claims. (Cl. 287—52.05)



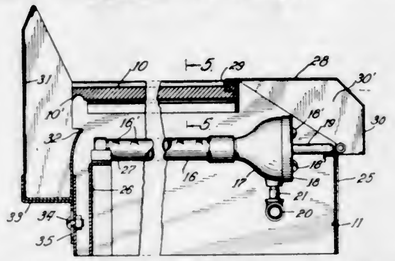
1. A shaft and a member secured thereto; a key mechanism for securing said member on said shaft to prevent rotation of said member with respect to said shaft comprising a key; keyways in said member and said shaft comprising opposed slots registerable with each other; said key being insertable in said keyways; spring means associated with said key for holding said key in position against transverse displacement; and means for securing said key in position including a screw device cooperative with said key.

2,233,462
CUP DELIVERING MECHANISM
John F. Wellekens, New York, N. Y.
Application August 14, 1937, Serial No. 159,043
8 Claims. (Cl. 198—209)



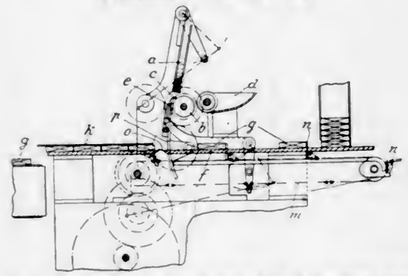
1. In a cup delivering mechanism for drink dispensing machines, a housing, a rotatable cup carrier, a partition extending across said rotatable cup carrier, means for positioning a cup in said cup carrier at a point behind said partition, means for rotating the cup carrier to pass the cup beneath said partition, and means for elevating the cup in front of said partition.

2,233,463
GAS GRILL
Frank C. Wilson, Bloomington, Ill., assignor to Servrite Mfg. Co., Bloomington, Ill., a corporation of Illinois
Application March 30, 1939, Serial No. 264,896
2 Claims. (Cl. 126—39)



1. In a gas heated grill, a frame, a grill plate supported by but insulated from said frame, gas heating means for said grill, a front opening between said plate and frame, a cover baffle plate for said opening, an air passage between said baffle plate and frame, a grease pan extending across the rear of said grill, an air passage between the grease pan and said grill plate, and adjustable means to raise or lower said grease pan whereby a flow of air for said heating means is provided from front to rear of said grill.

2,233,464
APPARATUS FOR APPLYING REVENUE DUTY LABELS OR LIKE STRIPS TO THE NARROW SIDES OF PACKAGES BY MEANS OF ADHESIVE
Edmund Zimniak, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application July 29, 1939, Serial No. 287,270
In Germany August 9, 1938
5 Claims. (Cl. 216—54)



1. In a strip applying machine for packages, a table having a guide track thereon interrupted on an intermediate point providing a gap in the track, a strip magazine pivoted above the track, a combined glue applying and strip removing roller cooperating with the magazine, reciprocating grippers operable between said roller and said grip for transferring glued strips from the

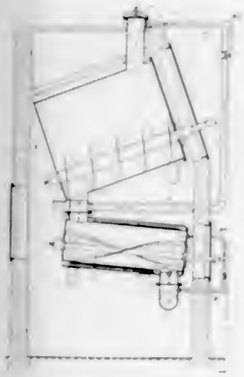
roller into vertical position in said gap across the guide tracks, and means for intermittently feeding packages along said track and against the glued strip between said grippers, to apply the glued strip to the package during the feeding of the latter along said track.

2,233,465

PROCESS FOR THE MANUFACTURE OF ANHYDROUS BERYLLIUM FLUORIDE FREE FROM OXIDE

Carlo Adamoli, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del., a corporation of Delaware

Application January 7, 1939, Serial No. 249,828
In Italy January 10, 1938
10 Claims. (Cl. 23—88)



1. A process for the manufacture of anhydrous beryllium fluoride free from oxide, which consists in causing a compound of the group consisting of ammonium fluoride and ammonium acid fluoride to act in vacuo and in the hot state on an oxygenated beryllium compound belonging to the group consisting of the oxide, the hydrate and the carbonate of beryllium, in a dry state, the proportion of ammonium fluoride which is used substantially corresponding to that which is theoretically necessary for forming only beryllium fluoride.

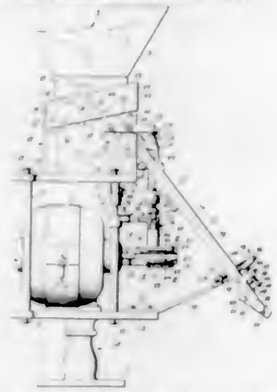
10. A process for the manufacture of anhydrous beryllium fluoride free from oxide, which consists in mixing an oxygenated beryllium compound belonging to the group consisting of the oxide, the hydrate and the carbonate of beryllium in a dry state and ammonium fluoride in a proportion which substantially corresponds to that which is theoretically necessary for forming only beryllium fluoride, in heating this mixture in vacuo up to a temperature of less than 100° C. until the escape of ammonia practically ceases and then to a temperature between 200 and 250° C., in introducing a dry inert gas into the reactional medium during the second step of the heating, in removing from the said reactional medium the ammonia and the aqueous vapor as they are formed as well as the inert gas, in causing the removed ammonia to pass into a solution of hydrofluoric acid saturated with ammonium fluoride for re-forming ammonium fluoride and collecting the latter in a crystalline form, and returning it to the process to treat a further quantity of oxygenated beryllium compound.

2,233,466

UNIT FEEDING APPARATUS AND PARTS THEREOF

Milton I. Ayers, Bloomfield, N. J.

Application September 22, 1938, Serial No. 231,139
18 Claims. (Cl. 226—14)



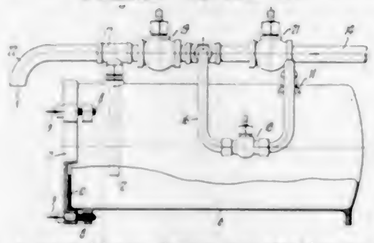
1. A tablet, capsule, pill or like unit feeding apparatus comprising means for containing in bulk units to be fed, means for receiving said units from said first means, reciprocating means for vibrating said second means in the direction of its thickness to feed said units therealong, a chute for receiving said units from said second means and for aligning them in single file therein, the receiving end of said chute disposed as low as the discharge end of said second means whereby said units will discharge from said second means into said chute reciprocating means for agitating said chute to maintain in motion said units therein, an eccentric, a motor for driving said eccentric, both of said reciprocating means driven by said eccentric, both of said reciprocating means including a common reciprocating element carried by and driven by said eccentric.

2,233,467

APPARATUS FOR DISPENSING HYPOCHLORITES

Walter S. Bachman, Los Angeles, Calif.

Application May 25, 1939, Serial No. 275,628
2 Claims. (Cl. 210—36)



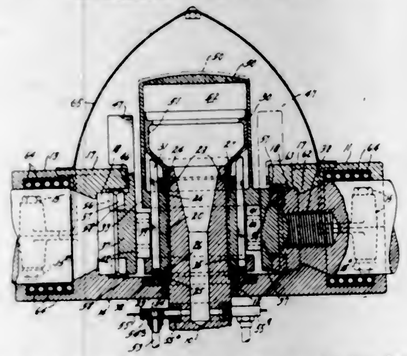
1. A hypochlorite feeder for attachment to a water line comprising a water line having an open discharge end, a closed vessel having an inlet and an outlet and providing a chamber, said inlet being at an elevation above that of said outlet, a first pipe connection to said water line from said vessel inlet, a valve in said water line ahead of said first connection controlling water flow through said water line, a second pipe connection to said water line from said vessel outlet, said second connection being adjacent said open discharge end of said water line and beyond said first connection, whereby discharge from said vessel is unimpeded, and means for controlling the extent of water flow through said closed vessel during water flow in said water line.

2,233,468

VARIABLE PITCH PROPELLER

Oliver E. Barthel and Norman E. Marker, Detroit, Mich.

Application July 7, 1938, Serial No. 217,927
11 Claims. (Cl. 170—163)



9. In a propeller structure for an engine having a drive shaft, a plurality of propeller blades radially spaced about the axis of rotation of the shaft, a shiftable member mounted on the shaft for rotation therewith and shiftable along the shaft, crank means on the inner ends of the blades and operatively connected to said shiftable member to turn said blades about their longitudinal axes in predetermined directions upon shifting of said member along the shaft in one direction, means carried by and operable to shift said member along said shaft in said one direction, a second shiftable member mounted on said shaft for rotation therewith and shiftable along said shaft, crank means on the inner ends of said blades and operatively connected to said second-named shiftable member to turn said blades about their longitudinal axes in opposite directions to said predetermined directions upon shifting of said second-named shiftable member in a direction opposite to said one direction, and means carried by said second-named shiftable member and operable to overcome said first-named shifting means.

2,233,469

ABRASIVE TOOL

Gustav Bonwitt, New York, N. Y.

Application February 9, 1940, Serial No. 318,107
6 Claims. (Cl. 51—187)



1. In an abrasive tool comprising an elongated carrier for abrasive sheets, e. g. sand paper, emery paper, emery-cloth and the like, longitudinal recesses on opposite sides of said carrier, an abrasive sheet detachably wrapped around said carrier with its side edges overlapping each other within at least one of said grooves, clamping means adapted to be inserted in said recesses and to hold said abrasive sheet on said carrier, at least one detachable handle and means to secure within and to connect said clamping means and said carrier with said handle.

2,233,470

IMAGE-FREQUENCY REJECTION SYSTEM

Nelson P. Case, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application December 16, 1939, Serial No. 309,552
8 Claims. (Cl. 250—20)



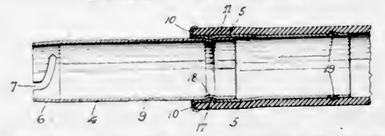
1. In a modulated-carrier signal superheterodyne receiver responsive to undesired image-frequency signals, a carrier-frequency signal selector comprising, a plurality of fixed-inductance elements each having capacitance associated therewith and having its constants proportioned to form a broadly-resonant fixed-tuned circuit, and means for selecting any one of said fixed-inductance elements to translate a wide band of signal frequencies, another of said fixed-inductance elements and its associated capacitance having reactive constants proportioned to resonate at frequencies in the vicinity of the image frequencies of said wide band of signal frequencies, said other fixed-inductance element, upon selection of said one fixed-inductance element, being coupled thereto, whereby image-frequency signals are absorbed by said other fixed-inductance element and its associated capacitance.

2,233,471

HOSE CONNECTION FOR VACUUM CLEANERS

William J. Clements, Chicago, Ill., assignor to Clements Mfg. Co., Chicago, Ill., a corporation of Illinois

Application June 24, 1939, Serial No. 280,953
1 Claim. (Cl. 285—97.1)



In a hose connection for vacuum cleaners and the like, a pair of interpenetrating and generally cylindrical telescoping tubular members of sheet metal, said members being circumferentially grooved, the convexity of the groove of the outer member interpenetrating with the concavity of the groove of the inner member, said interpenetrating grooves being of sufficient depth to prevent relative axial movement of the two tubular members, the clearance between the opposed faces of the tubular members being sufficient to provide for their ready relative rotation, and the flexible hose member to which one of the members is connected extending about the exterior of the joint between said tubular members and concealing the circumferential grooved portion of the joint.

2,233,472

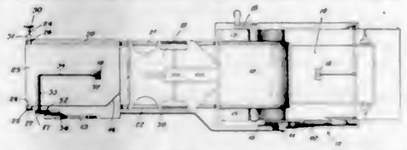
DUPLICATING DEVICE

Russell S. Demarest, River Edge Manor, N. J.

Application September 7, 1939, Serial No. 293,673
16 Claims. (Cl. 101—419)

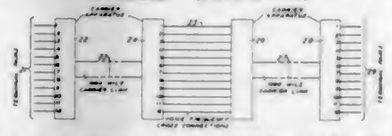
1. The method of interposing slip sheets with

printed sheets which comprises automatically partially projecting slip sheets one by one into a position above and adjacent the receiving means of a duplicating machine during each operation of the duplicating machine and before the start of



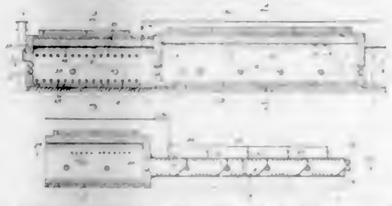
the next printing operation; gripping the projected sheet by the projecting portion; and manually removing it and placing it in the receiving means in interposed relation with the duplicating sheets ejected therefrom.

2,233,473
REDUCTION OF MODULATION
John T. Dixon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1939, Serial No. 263,385
5 Claims. (Cl. 179—78)



1. In a communication system, the method which comprises establishing a plurality of multiplexed carrier channels subject to interchannel cross-talk and extending through successive-carrier transmission links, translating said carrier channels from their individual frequency allocations to a common frequency allocation at each interlink junction, and electrically transposing those translated channels that prior to translation occupied positions as alternate pairs in the frequency spectrum, whereby interchannel cross-talk is restricted.

2,233,474
METHOD OF HEAT TREATING METAL
Henry A. Dreffein, Chicago, Ill.
Application June 3, 1938, Serial No. 211,481
8 Claims. (Cl. 263—52)



1. A process of treating material comprising subjecting such material to a thermal sequence including heating of such material in the heating zone directly by rich partially burned fuel gases, a portion of said partially burned gases being thereafter utilized for combustion in radiant tubes or the like for indirect heating of said material in another zone, and a portion of said partially burned fuel gases from said heating zone being withdrawn and utilized to maintain a special atmosphere about said material in still another zone.

2,233,475
CELLULOSE COMPOUNDS CONTAINING CARBOXY AND AMINE GROUPS
Henry Dreyfus, London, England
No Drawing. Application December 20, 1937, Serial No. 180,865. In Great Britain December 21, 1936
7 Claims. (Cl. 260—212)

1. Process for the production of cellulose derivative materials having an increased affinity for acid dyestuffs and a reduced inflammability, which comprises introducing carboxy groups and groups containing non-acidic nitrogen into cellulosic materials by treating the cellulosic materials in an aqueous medium containing a compound selected from the group consisting of chloracetic acid, ethylchlor acetate, chloracetonitrile and cyanacetyl chloride and a halogenated amine so as to form cellulose derivatives in which



groups and non-acidic groups are relatively firmly linked to the cellulose nucleus.

2,233,476
ELECTRODE FOR GASEOUS TUBES
Milton Fletcher, New York, N. Y.
Application August 24, 1939, Serial No. 291,682
5 Claims. (Cl. 176—126)



1. An electrode for gaseous tubes, comprising a wire coil for engagement with a gaseous tube having its rear turns progressively reduced in diameter to present a frusto-conical shape, said wire coil having the rear end of the wire from which it was formed extended from the rear end of said coil and bent at right angles to the axis of said coil, and a U-shaped terminal wire having the junction of its arms disposed within the frusto-conical portion of said coil, said terminal wire having its arms extended from the rear end of said coil and along opposite sides of the right angular end of said coil wire and twisted about each other adjacent the face of said right angular end of said coil wire disposed from said coil.

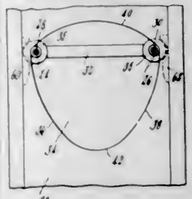
2,233,477
SEMISTIFF COLLAR
Frank C. Hilberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 3, 1936, Serial No. 103,841
3 Claims. (Cl. 154—46)



1. A semistiff collar capable of being washed and pressed many times without deleterious effects, comprising a face ply, a back ply, and an interliner all firmly bonded together, said interliner comprising non-thermoplastic threads and thermoplastic threads woven in alternate relation, said thermoplastic threads composed of a

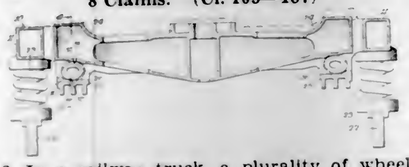
composition containing a resin and being soft and cementitious at normal ironing temperatures at 250° F. to 350° F. under light pressure.

2,233,478
REVERSIBLE SEAT BASE
Oiva E. Hill, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application October 27, 1938, Serial No. 237,233
6 Claims. (Cl. 155—96)



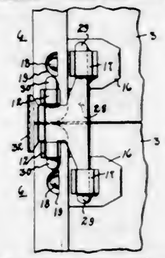
5. In a reversible seat base mechanism on a stationary base, a seat-guiding member comprising a pair of cam followers and a spacing bar on which said cam followers are mounted, said cam followers having mutually exchangeable normal positions of rest to the front and rear of the longitudinal median of the base when the seat is in either of its normal positions for use, a lug mounted on said spacing bar between said cam followers, and cam means cooperating with said cam followers and lug to guide the reversing movements of the seat, said cam means comprising a pair of converging arcuate edge cams each tangent at one end to one of said cam followers in normal position and having its center of curvature at the center of the other cam follower, a stationary member having a notch at said median line engageable by said lug during a portion of the reversing movement of the seat whereby said lug serves as a temporary pivot for the seat, said cam means also including a third arcuate cam edge extending from one normal position of the cam followers to the other and having its center and having its center of curvature in said notch for the lug.

2,233,479
BOLSTER BANKING DEVICE
Cyrus J. Holland and Knute Edahl, Chicago, Ill., assignors to Holland Company, a corporation of Illinois
Application August 11, 1938, Serial No. 224,339
8 Claims. (Cl. 105—187)



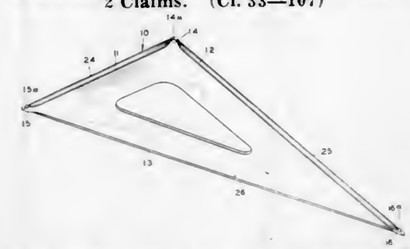
8. In a railway truck, a plurality of wheeled axles, a truck frame, means for resiliently supporting said frame from said axles, a bolster, and means including rigid oscillatable members engaging said bolster and frame for supporting said bolster from said frame and for banking the car body on curves, said means being so constructed as to provide a limited initial endwise movement of said bolster in a horizontal plane to either side of its normal position and for elevating the outer end of the bolster upon further endwise movement of the latter.

2,233,480
FILING CABINET SHELL
Frank D. Jonas, East Williston, N. Y., assignor to Oxford Filing Supply Co., Brooklyn, N. Y., a partnership comprising Richard A. Jonas, Richard A. Jonas, Jr., Robert P. Jonas, Frank D. Jonas, and Edward F. Jonas
Application September 14, 1938, Serial No. 229,810
4 Claims. (Cl. 312—141)



1. A device of the type described comprising a tube of fibrous material comprising four walls hingedly united together, a pair of metal plates secured to an opposite pair of walls at at least one end of the tube, said plates having struck-out ears thereon, a rectangular metal frame lying over the end edges of the tube and having apertures to receive said ears whereby the frame is detachably secured to the tube to hold it when attached in rectangular form and key members interlocking each plate with said frame to hold said walls against buckling.

2,233,481
DRAFTING UTENSIL
Helen Kuehl, Woodside, N. Y.
Application March 20, 1940, Serial No. 324,904
2 Claims. (Cl. 33—107)

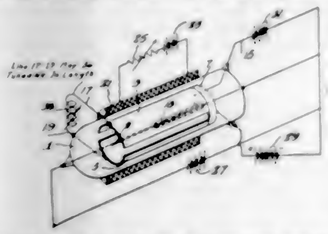


1. A draftman's triangle of a thickness defined by a pair of parallel planes, comprising a body portion having overhanging working edge portions extending from said body portion substantially within the space defined by said planes, and of a thickness substantially less than that of the body portion, and having extreme corner portions of a thickness substantially greater than that of the overhanging portion and also extending substantially within the space defined by said planes, said overhanging working edge portions being disposed intermediate respective corner portions.

2,233,482
ANODE TANK CIRCUIT OSCILLATOR
Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1938, Serial No. 210,968
8 Claims. (Cl. 250—36)

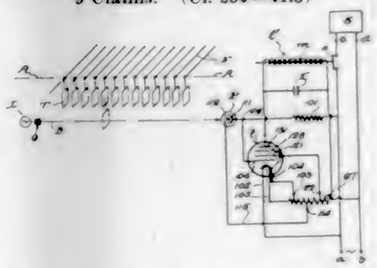
1. In an electron discharge device the combi-

nation which includes a cathode and a concentric cylindrical anode, said anode being divided into two segments comprising a closed oscillatory circuit and substantially a quarter wave length long at the operating frequency, said segments being



connected at one end by a shorting conductor of negligible length with respect to said wave length, and a magnetizing coil surrounding and substantially coextensive with said anode for producing a magnetic field throughout the entire region within said anode.

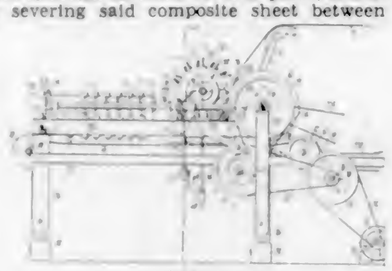
2,233,483
SUPERVISING FILAMENTARY MATERIAL
Arthur G. B. Metcalf, Milton, Mass., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application July 28, 1938, Serial No. 221,804
9 Claims. (Cl. 250—41.5)



2. A supervisor for thread-like material comprising means for guiding a plurality of filaments along a substantially horizontal plane, means for projecting a light beam substantially parallel to said plane, a light-sensitive element in the path of said beam, and on each filament, respectively, a light-obstructing target ridable on and gravitationally contacting said filament for interrupting said beam upon movement of any one filament from said plane.

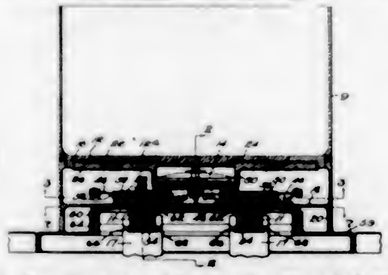
2,233,484
MANUFACTURE OF COMPOSITE STRUCTURES
John F. Pagendarm, Oakland, Calif., assignor to Bemiss Corporation, a corporation of California
Application May 15, 1939, Serial No. 273,657
10 Claims. (Cl. 154—1)

4. In a machine of the character described, a device for intermittently feeding a composite sheet including a facing sheet carrying a corrugated sheet secured thereto, wire feeders for simultaneously inserting a plurality of wires between said corrugated sheet and said facing sheet, means for cutting off inserted wires with a portion of each wire projecting from said sheet, means for forcing the wire projecting portion into the composite sheet, means for scoring said composite sheet to retain inserted wires in place, and means for severing said composite sheet between in-



serted wires to provide individual sheet portions stiffened by said inserted wire.

2,233,485
ELECTRIC COOKING DEVICE
Robert H. Park, Pluckemin, N. J.
Application September 29, 1938, Serial No. 232,369
14 Claims. (Cl. 219—43)

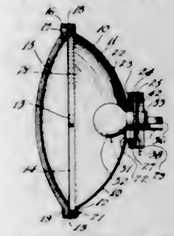


1. A cooking vessel having incorporated within the wall thereof a heating element completely and inaccessibly encased by such wall except for terminals projecting from said wall and exposed at the exterior of the vessel for including the heating element in an electric circuit, the heating element comprising a pair of parallel resistance elements in thermal contact with but electrically insulated from the wall, and a thermostat exposed to the direct radiated heat of the vessel wall and adapted to cut out one only of the resistance elements when the temperature of the wall adjacent thereto increases above a determined temperature, as when the vessel boils dry, whereby to increase the impedance of the circuit for operating a safety device therein, and to cut the resistance element back into the circuit when the temperature thereafter falls below another determined value.

2,233,486
HEADLIGHT
Michael P. Portnow, Newark, N. J.
Application December 13, 1939, Serial No. 308,894
1 Claim. (Cl. 240—41)

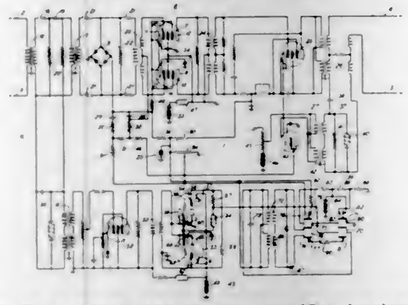
A headlight comprising a lamp including a bulb, a filament located therein, a base and an asymmetrical flange secured to said base in a predetermined plane and at a predetermined distance from said filament, a reflector, a flange extending outwardly from said reflector, a plurality of stops secured to said flange and extending outwardly therefrom, a compressible weatherproofing band located on said flange, the thickness of said band normally being greater than the distance said stops extend from said flange,

a lens, means connecting said lens to said reflector, said means compressing said band and maintaining said lens against said stops, said reflector having an opening in the rear thereof adapted to accommodate said bulb, a shelf secured to said reflector adjacent said opening, a collar secured to said shelf, the periphery of said collar being the same as the periphery of said asymmetrical flange, a plurality of stops secured



to said shelf, a compressible weatherproof band mounted on said shelf, said lamp mounted in said reflector, with the bulb thereof located in said reflector and the asymmetrical flange adjacent said second band, removable means cooperating with said collar and pressing against said asymmetrical flange to lock said lamp in position, to compress said second band and maintain said asymmetrical flange against said second stops.

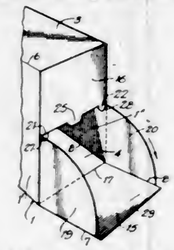
2,233,487
GAIN CONTROL CIRCUITS
Donald D. Robertson, Hartsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 18, 1939, Serial No. 305,091
11 Claims. (Cl. 178—44)



1. In a signal system, an amplifier having a negative feedback loop, impedance means in said feedback loop which varies with the frequency of the currents carried thereby, a rectifier terminated by the impedance across said feedback loop, said terminating impedance increasing the rectifier efficiency without producing hangover in the amplifier operation and eliminating high frequencies from the amplifier circuit and means for applying waves of a frequency range including relatively high frequency waves to said rectifier, said rectifier output including frequencies for which said feedback loop has high and low loop gains.

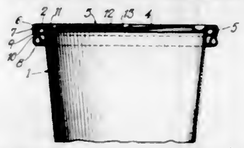
2,233,488
BOX CONSTRUCTION
John N. Powell, Princeton, Ill.
Application May 13, 1938, Serial No. 207,649
2 Claims. (Cl. 229—7)

1. A pasteboard box comprising a shell having an opening in one end thereof, a flap fixedly positioned across and closing substantially one-half of said end and having its free edge terminating substantially on a line transverse of said end of said box midway thereacross, a closure for the remainder of said end comprising a flap hinged on one edge of said box opposite the free edge of the secured flap, the free edge terminating in substantial meeting relation with the free



edge of said fixed flap, an integrally formed outwardly projecting tab positioned on the free edge of said fixed flap substantially in mid portion and overlapping said free edge of said closure flap, the resiliency of said closure flap and fixed flap and tab functioning to lock said closure flap in position by pressure thereon to snap said closure beneath said projecting tab and to release said closure from locking position from said tab by pressure on said fixed flap.

2,233,489
RECEPTACLE CLOSURE
James D. Reifsnyder, Flushing, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application September 3, 1938, Serial No. 228,406
5 Claims. (Cl. 229—5.5)

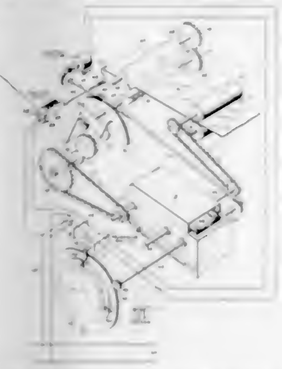


1. A one-piece paper closure comprising a top and dependent peripheral flange, said flange having an outer ply integral with said top and extending downwardly and then inwardly and upwardly along the inner face of said outer ply to closely adjacent the inner face of said top, said flange having an interior bead spaced downwardly from said top, the inner diameter of said bead being substantially less than the inner diameter of said flange intermediate said bead and said top and said bead providing a downwardly and outwardly inclined lip adjacent the lower edge of said flange.

2,233,490
AUTOMATIC ADJUSTER
Albert F. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application November 25, 1938, Serial No. 242,350
18 Claims. (Cl. 164—68)

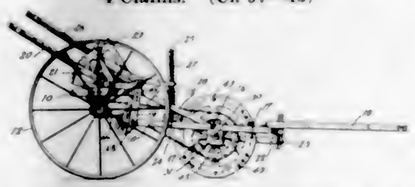
1. The combination with mechanism having rotatably mounted cutting knives for cyclically cutting a moving web into successive sheets of a predetermined size and apparatus for changing the cyclic adjustment of said mechanism for cutting a different size of sheet of: a counter having

an associated element which is actuated when the counter registers a preset amount; a device for operating said counter in accordance with the



cutting operations of said mechanism, and means responsive to an actuation of said element for operating said apparatus until the next predetermined cyclic adjustment is effected.

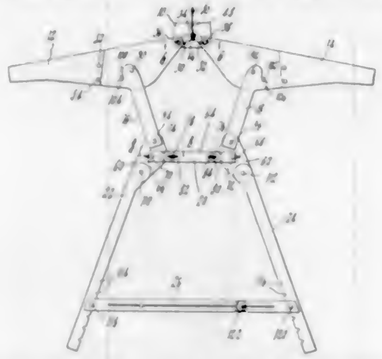
2,233,491
WEEDER
Melvin M. Simpson, Denver, Colo.
Application June 7, 1938, Serial No. 212,255
Renewed July 26, 1940
4 Claims. (Cl. 97—42)



1. A weeding machine comprising: a main frame; a stub shaft at each extremity of said main frame; a ground engaging wheel secured on each stub shaft; a sprocket secured on each stub shaft; forwardly extending members at each extremity of said main frame; a rocking frame pivoted on and extending between said forwardly extending members; attachment means extending forwardly from said rocking frame for attachment to a towing vehicle; lever means connecting the rearward portion of said rocking frame with said main frame so that the relative angle between the two frames may be varied; cable reels mounted in said rocking frame; and means for driving said cable reels from said sprockets.

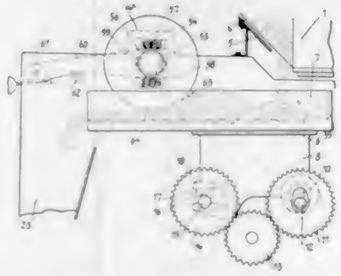
2,233,492
GARMENT FORM
Seth C. Sperry, Saugus, Mass.
Application June 10, 1938, Serial No. 212,988
3 Claims. (Cl. 223—69)

1. A form for a garment, comprising a neck member, two arm members pivoted at their inner ends to said neck member, means for adjustably shifting said ends toward and from each other, a pair of side links pivotally attached at their upper ends to respective arm members at points between the ends thereof, stop means on each arm member engageable by the corresponding link to limit the extent of rocking movement of said arms from an upright to an approximately



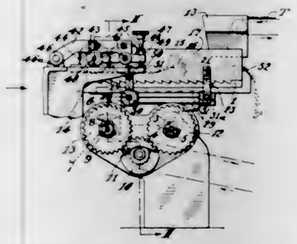
horizontal position, and a waist member pivotally attached to the lower ends of said side links.

2,233,493
MANUFACTURE OF CIGARS
Franz Heinrich Benno Stelzer, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller & Co., Dresden, Germany
Application May 29, 1936, Serial No. 82,595
In Germany June 3, 1935
1 Claim. (Cl. 131—81)



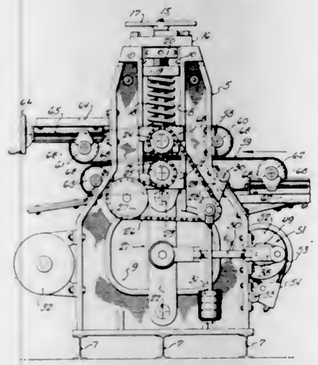
In a feeding means for a tobacco filler pressing machine, the combination of a feeding trough having a substantially horizontal floor, and having at one end a receiving end for receiving tobacco dropped thereon, and at the other end an outlet end discharging the tobacco at that end after it has been moved by the trough from its receiving end, said floor having a plurality of ribs extending transversely of the trough from the receiving end to the outlet end thereof, a frame below said trough for supporting it, with the trough extending forwardly of the frame, means for moving the lower part of the frame at its spaced lower ends, alternately up and down and forward and backward to give the trough a motion in an elliptical path, and a presser member supported independently of said trough near its outlet end having an open bight facing the tobacco as it is moved by the trough towards the presser, the movement of the trough being alternately towards and from said presser to alternately compress and loosen the tobacco between the presser and the trough, whereby the loose tobacco received at the receiving end is brought together in a ribbon-like discharge at the outlet end.

2,233,494
TOBACCO GUIDE DEVICE FOR CIGAR MAKING MACHINES
Franz Heinrich Benno Stelzer, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany
Application October 15, 1938, Serial No. 235,117
In Germany October 25, 1937
5 Claims. (Cl. 131—108)



1. A tobacco guide device for cigar making machines, having a shaking device which receives the tobacco at one end thereof, press plates vertically spaced from the toothed surface of the shaking device, and means for moving the press plates towards and from each other, laterally of the tobacco flow direction through the shaking device.

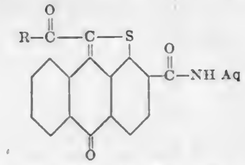
2,233,495
LEATHER WRINGING MACHINE
Joseph J. Stehling, Milwaukee, Wis.
Application October 10, 1938, Serial No. 234,139
2 Claims. (Cl. 149—23)



1. In a leather wringing machine of the character described: two superimosed pressure rolls; means mounting the lower roll for substantial movement toward and from the upper roll; driving means connected with one of the pressure rolls for driving the same; a sprocket on each of the pressure rolls; spaced apart idler pulleys; means mounting one of said idler pulleys beneath the lower pressure roll and for arcuate movement toward and from the same; a chain trained about the outsides of said idler pulleys and the sprocket of the upper pressure roll and around the underside of the sprocket for the lower pressure roll, whereby movement of the lower pressure roll away from the upper pressure roll lifts the movable idler pulley by means of the chain; and tensioning means connected with said movable idler pulley for yieldingly resisting lifting thereof to thereby maintain the chain taut and under tension at all times regardless of the relative positions of the pressure rolls.

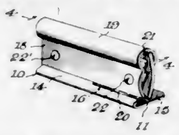
2,233,496
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Frederic Bennett Stilmar, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 10, 1939, Serial No. 272,775
6 Claims. (Cl. 260—329)

1. The new dyestuffs of the following general formula



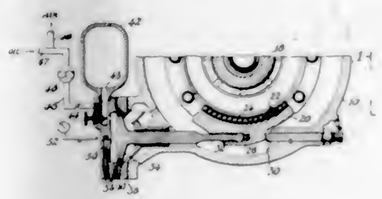
in which R stands for a substituent of the group consisting of alkyl radicals containing from 1 to 5 carbon atoms and aryl radicals of the benzene series containing not more than one benzene ring, said radicals being attached to the carbonyl radical directly thru carbon to carbon linkages, and Aq stands for a radical of an anthraquinone compound.

2,233,497
ENVELOPE OPENER
Austin F. Teigen, Georgetown, Minn.
Application August 24, 1939, Serial No. 291,745
4 Claims. (Cl. 30—294)



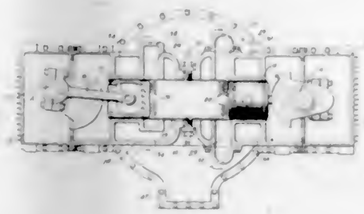
1. An envelope opener comprising a horizontally elongated base to rest slidably on a supporting surface, said base having a flat longitudinal relatively wide bottom plate, a flat longitudinal relatively narrow top plate and a longitudinal bight portion integrally joining one of the longitudinal edges of said top plate to one of the longitudinal edges of said bottom plate and spacing said top and bottom plates apart vertically to provide a laterally open channel to receive an edge portion of the envelope, the other longitudinal edge of said bottom plate being free; a horizontally elongated fixed vertical blade-clamping plate integrally joined at its lower edge to the other of said longitudinal edges of said top plate, a second horizontally elongated vertical blade-clamping plate parallel with said fixed vertical plate, a transversely arched ridge extending along the upper edges of the two vertical plates and integrally connecting them, the lower edge of said second vertical plate being free, a blade disposed in a vertical longitudinal plane between said vertical plates and having a sharpened lower edge which declines across the aforesaid channel to said bottom plate, and bolts passing through said vertical plates for drawing said second vertical plate inwardly toward said fixed vertical plate to clamp said blade in place, said blade having an opening through which at least one of said bolts passes.

2,233,498
RESILIENT TORQUE METER
Edward S. Taylor, Cambridge, Mass., assignor to Wright Aeronautical Corporation, a corporation of New York
Application January 12, 1939, Serial No. 250,479
8 Claims. (Cl. 74—305)



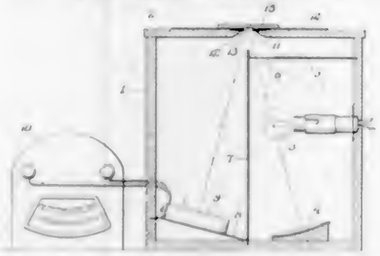
1. In a power plant crankshaft-propeller system, a reduction gear between the shaft and propeller including a reaction gear, and means for reducing the natural torsional period of the shaft system comprising a reservoir for elastic fluid, a cylinder communicating therewith, a piston engaged by the reaction gear and urged thereby into said cylinder to compress the fluid in said reservoir, and means to add or remove fluid to or from the reservoir to maintain same at constant volume regardless of changes in the pressure imposed thereon.

2,233,499
INTERNAL COMBUSTION ENGINE
Bruce H. Todd and John F. Johnson, Denver, and Elmer E. Pudge, Colorado Springs, Colo.
Application June 6, 1939, Serial No. 277,636
1 Claim. (Cl. 123—51)



In an internal combustion engine of the opposed piston type, a motor block; a cylinder in said block; a plurality of parallel cylinder passages passing through and opening to both extremities of said cylinder; an exhaust passage surrounding each of said cylinder passages adjacent their one extremity and extending transversely thereof; an intake passage surrounding said cylinder passage adjacent the other extremity of the latter and extending transversely thereof; spark plugs in said cylinder of the motor block at the mid-points of said cylinder passages; a cylinder liner extending throughout the entire length of the cylinder, each cylinder liner having three sets of perforations in its length, two sets corresponding to the positions of the exhaust and intake passages respectively and one set corresponding to the position of said spark plugs; and opposed pistons operating in the opposite ends of each cylinder liner.

2,233,500
ELECTROPLATING ZINC
Leon R. Westbrook, Cleveland Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 29, 1936, Serial No. 98,455
16 Claims. (Cl. 204—55)



1. In a process for the electrodeposition of zinc, the step comprising depositing zinc from a cyanide-zinc bath in the presence of an oxyheterocyclic compound.

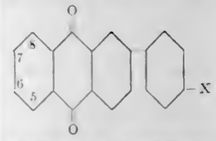
2,233,501
BRAKING SYSTEM FOR INDUCTION MOTORS
Harry L. Wilcox, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 29, 1939, Serial No. 297,175
18 Claims. (Cl. 172—179)



14. A control system for a polyphase induction motor connected to an overhauling load and having a primary and a secondary circuit and arranged to be connected to a source of polyphase power, and comprising an adjustable resistance for the secondary circuit, a master control element movable to several different control positions, means operative when said element is in a first position to set up connections for single phase braking of said motor, means operative when said element is in a second position to connect said motor to said source to cause said motor to exert a torque in the direction of the torque created by said overhauling load and to connect said secondary resistance in said secondary circuit, means responsive to the speed of said motor to short circuit said secondary resistance if the speed of said motor exceeds a predetermined minimum when said element is in said second position, and means responsive to movement of said element to subsequent positions to selectively control the amount of said secondary resistance connected in the secondary circuit, said means which is responsive to the speed of said motor being operable to short circuit portions of said secondary resistance when the speed of the motor exceeds a second predetermined minimum while said element is in said subsequent positions.

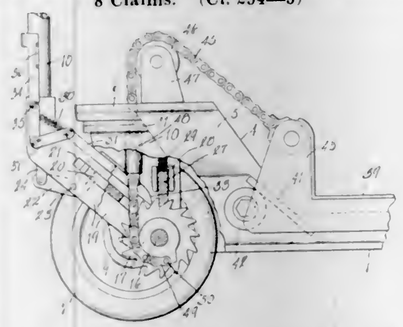
2,233,502
COMPOUNDS OF THE ANTHRAQUINONE SERIES
Alexander J. Wuertz, Villa Monterey, Del., and William L. Rintelman, Elmer, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1938, Serial No. 236,294
5 Claims. (Cl. 260—384)

1. The halogen-containing 2-phenylanthraquinone compounds of the formula:



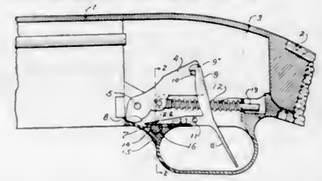
in which X stands for an element of the class consisting of hydrogen, chlorine and bromine and in which at least one of the positions 5, 6, 7 and 8 of the anthraquinone nucleus carries a halogen atom.

2,233,503
LIFTING TRUCK
Werner Zeindler, Albion, Mich., assignor to Service Caster and Truck Company, Albion, Mich.
Application October 7, 1940, Serial No. 360,033
8 Claims. (Cl. 254—5)



4. In a lifting truck, the combination with a carriage frame provided with an elevated forwardly projecting bolster at its front end, rear wheels and axle therefor, a tubular king bolt on said bolster, a front wheel support journaled on said king bolt in supporting relation to said bolster provided with spindles for said wheels, a ratchet drum shaft carried by said support disposed at the rear of said spindles, a ratchet drum journaled on said shaft, a steering tongue constituting a hoisting lever pivotally mounted on said shaft and provided with an actuating pawl manually shiftable into and out of engagement with said ratchet drum, a holding pawl for said ratchet drum, manually adjustable means for releasing said holding pawl mounted on said tongue, a platform, said carriage frame and platform being provided with coacting forwardly inclined ways and rollers, a hoisting cable for said platform connected thereto and to said ratchet drum, said cable being passed through said tubular king bolt, and a guide roller for said cable mounted on said bolster and positioned to guide the cable vertically through said king bolt, there being a swivel in said cable between said guide roller and ratchet drum.

2,233,504
GUN
Charles A. Young, Springfield, Ohio
Application June 23, 1938, Serial No. 215,401
5 Claims. (Cl. 42—69)



1. In a gun of the kind described, an impact member, a sear to hold said member cocked, a trigger to release said sear upon a predetermined movement of said trigger, a detent directly connected with said trigger, whereby further movement of said trigger will cause said detent to engage with said impact member to hold said member cocked, said trigger when released from pressure thereon operating to release said detent from said impact member, and controllable means to limit the movement of said trigger to permit it to release the sear but prevent engagement of the detent with said impact member.

5. In a gun of the kind described, an impact member, a sear to hold said member cocked, a trigger to release said sear on a predetermined movement of said trigger, a detent rigidly connected with said trigger and extending therefrom and operable by a further movement of said trigger to engage said impact member to hold said member cocked, said trigger when released from pressure thereon moving said rigidly connected detent from engagement with said impact member, and manually operable controllable means shiftable to different positions to limit the movement of said trigger to permit it to release said sear but prevent engagement of the detent with said impact member, but when manually operated to a different position acting to permit a further movement of said trigger to engage said detent with said impact member when the sear is released from said impact member.

2,233,505
HOT LIQUID ACCUMULATOR
Ivar Amundsen, Bygdo, near Oslo, Norway
Application January 24, 1938, Serial No. 186,730
In Norway January 23, 1937
5 Claims. (Cl. 137—111)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. An arrangement for automatic trapping and accumulating the hotter parts of a stream of liquid of varying temperature passing through a conduit which is in open communication with an outlet to waste comprising in combination, a container situated at a lower level than said outlet to waste, a tube openly connecting said conduit with the upper part of said container and ex-

tending upwardly to the container, a tube openly connecting the lower part of the container with



said outlet to waste, and means for withdrawing at will hot liquid trapped and accumulated in said container.

2,233,506

TREATMENT OF VOCAL DEFECTS AND THE VOCAL ORGANS

Emilio Azaretti, Ventimiglia, Italy, assignor to Schweizerische Gesellschaft der Kalophone Institute, Oberageri, Switzerland

Application October 2, 1939, Serial No. 297,598
In Switzerland September 15, 1938
4 Claims. (Cl. 128—2.08)



1. In a device for the treatment of stuttering and like vocal defects and the strengthening of the vocal organs of a patient, a bandage adapted to be tightened about the body of the patient at the region of the diaphragm thereof and having an interior hollow space, a pressure medium filling said hollow space, a pressure indicating device connected with said hollow space, an indicator provided in said pressure indicating device for indicating the fluctuations of pressure caused in said pressure medium by the breathing of the patient, an auxiliary indicator for indicating the movements of said pressure fluctuation indicator, and a power actuated drive for operating said auxiliary indicator.

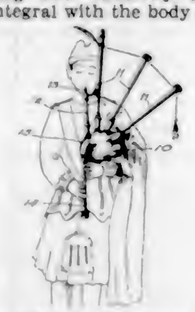
2,233,507

BAGPIPE

John Adamson, Boston, Mass.

Application May 23, 1940, Serial No. 336,855
3 Claims. (Cl. 84—380)

1. In a bagpipe, in combination, a bag and an elongated flute-like sounding member, the bag having a thin flexible wall of skin or the like and being adapted to receive and temporarily retain a substantial volume of air to be used in the operation of the sounding member, said bag having at one end an integral, curved, air-conducting neck of reduced cross-section, to the free end of which the sounding member is attached, said neck including two relatively narrow curved strips each integral with the body of the bag and



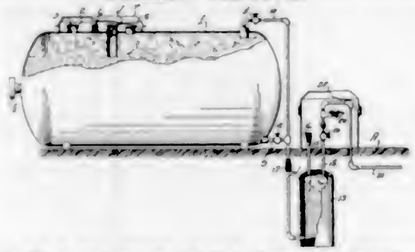
the adjacent margins of which are interconnected, the arrangement being such that the neck is always fully open when the bag is under a player's arm and the sounding member is in playing position.

2,233,508

GAS SYSTEM

Frederick S. Baird and Bolton T. Harris, Little Rock, Ark.

Application January 24, 1938, Serial No. 186,755
3 Claims. (Cl. 62—1)



1. In a gas system of the character described, a service pipe located in the ground to prevent condensation of gas passing therethrough, a permanently installed main tank located above the surface of the ground to contain and vaporize liquefied gas, and selectively controllable means communicably connecting the main tank to said service pipe and including piping and an interposed underground auxiliary tank for the transmission of gas from the main tank to said service pipe in warm weather and for the reception and vaporization of liquefied gas from the main tank to accordingly supply the service pipe with gas in cold weather, said auxiliary tank being encased in a protective covering to keep the tank from direct contact with the surrounding soil but of inherent conductivity to maintain the flow of heat from the soil to the tank.

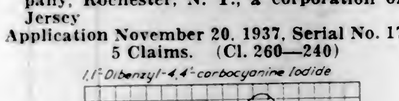
2,233,509

PROCESS FOR PREPARING 8-METHYLOXATHIACARBOCYANINES AND 8-METHYLOXASELENACARBOCYANINES

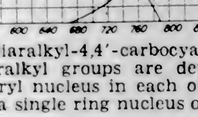
Leslie G. S. Brooker and Frank L. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 14, 1937, Serial No. 163,780
6 Claims. (Cl. 260—240)

1. A process for preparing a dye comprising reacting, in the presence of a water-binding agent, a 1-methylbenzoxazole quaternary salt in which the alkyl group of the quaternary salt contains at least two carbon atoms with a ketone



compound of the following formula:



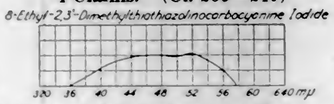
wherein A represents a phenylene group, R represents an alkyl group containing at least two carbon atoms and Y represents an atom selected from the group consisting of sulfur and selenium.

2,233,510

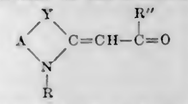
PROCESS OF PREPARING 8-ALKYL UNSYMMETRICAL CARBOCYANINE DYES

Leslie G. S. Brookes and Frank L. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 14, 1937, Serial No. 163,781
4 Claims. (Cl. 260—240)



1. A process for preparing a dye comprising reacting, in the presence of a water-binding agent, a 2-methylthiazoline quaternary salt with a ketone compound of the following formula:



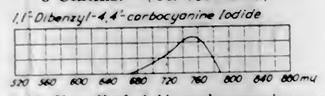
wherein A represents an organic group selected from the group consisting of phenylene and naphthylene groups, Y represents a divalent atom selected from the group consisting of sulfur and selenium and R and R'' represent alkyl groups.

2,233,511

1,1'-DIARALKYL-4,4'-CARBOCYANINE SALTS

Leslie G. S. Brooker and Lloyd A. Smith, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 20, 1937, Serial No. 175,686
5 Claims. (Cl. 260—240)



1. A 1,1'-diaralkyl-4,4'-carbocyanine salt in which the aralkyl groups are devoid of nitro groups, the aryl nucleus in each of said aralkyl groups being a single ring nucleus of the benzene series.

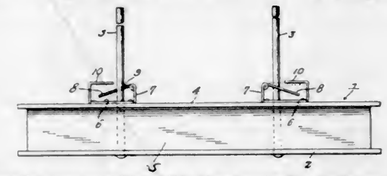
2,233,512

LOOSE-LEAF BINDER LOCK

George W. Brownlee, Sr., Atlanta, Ga., assignor to Ekonomie Binder Company, Atlanta, Ga., a corporation of Georgia

Application December 6, 1939, Serial No. 307,923
1 Claim. (Cl. 129—12)

In a loose-leaf binder comprising a base, posts rising from said base and a removable cover slidably mounted on said posts, plates fixed on the cover and slidable on the posts, a vertical ear integral with one end of each of the plates, a clutch member having one end pivotally connected to the ear and extending inwardly therefrom over the plate for swinging movement in a vertical plane, said clutch members being frictionally engageable with the posts for locking the cover against upward sliding movement thereon, and an angular stop integral with the other end of each of the plates, said angular stops extending inwardly over the free end portions of the clutch members for positively limiting the upward swinging movement of said clutch members.



2,233,513

ESTERS OF AROYL BENZOIC ACIDS

Herman A. Bruson, Philadelphia, Pa., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y.

No Drawing. Application October 3, 1929, Serial No. 397,143
8 Claims. (Cl. 260—469)

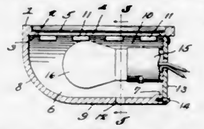
7. An ester of a diarylketoneorthocarboxylic acid of the formula R—COR'COOH, and a saturated monohydric alcohol of the paraffin series having more than two carbon atoms, R and R' being aromatic nuclei free from halogen and hydroxyl substituents.

2,233,514

DIRECTION SIGNAL LAMP FOR VEHICLES

Royal S. Buchanan, Springfield, Mass.

Application May 17, 1938, Serial No. 208,481
1 Claim. (Cl. 177—329)



In a direction signal lamp a one-piece housing having a single, flat attaching base provided with an exterior mask-receiving recess and an aperture opening into the recess, the walls of the housing constituting reflectors merging along curved lines from one side to the other of the base and toward one end thereof thereby to provide arcuate reflecting surfaces, the housing being open at the other end of the base, an end plate for closing the open end of the housing, and a socket carried by said end plate and positioned to support a lamp in the housing adjacent to the base when the end plate is in place on the housing.

2,233,515

COMBINATION SHUTTER AWNING

Edmund Jerome Burke, West Palm Beach, Fla.

Application January 5, 1939, Serial No. 249,382
7 Claims. (Cl. 20—59)

6. In an awning device, a rod adapted to extend substantially the width of the window frame,

a plurality of coiled springs of substantially equal size throughout the length thereof having their upper ends secured to the frame at the upper side of the window opening and their lower ends secured to said rod, and a plurality of relatively movable slats extending parallel to said rod arranged in overlapping parallel relation and mounted on and supported solely by said springs.

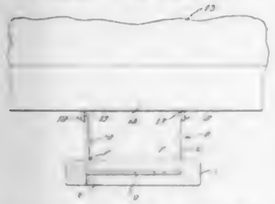


2,233,516

WINDOW SHADE PULL

Walter W. Cecil, II, and Charles V. Caster, Harrison, Ark.

Application October 18, 1939, Serial No. 300,087
1 Claim. (Cl. 156—40)



A device of the character described, comprising, a handle formed on one side with a groove, said handle formed on the opposite side with transversely disposed passages communicating with said groove and with an intermediate section between said passages, and a U-shaped member having a transverse portion disposed in said groove and side portions extending through said passages and formed with screw eye engaging sections for pivotally securing said device to a window shade, said intermediate section coacting with said side portions for maintaining said side portions in spaced relation with respect to each other.

2,233,517

ROPE, ESPECIALLY HARPOON LINE

Christian Christiansen, Oslo, and Gustav Otto Karl Rüsch, Mandal, Norway

Application December 24, 1938, Serial No. 247,720
In Norway December 27, 1937
1 Claim. (Cl. 174—113)

An electrical harpoon line comprising a stress sustaining and current carrying rope including one or more strands, at least one of such strands consisting of a core formed of a straight, centered electrical conductor wrapped with twisted rope strands, and an outer layer of yarn wrapped around said core, the core strands being twisted and wound upon said conductor with a smaller pitch than the outer layers of yarn, whereby said conductor is held in centered position and prevented from breaking through said wrappings during its flight through the air or upon impact with its target.

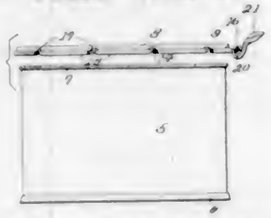


2,233,518

METAL CONTAINER

John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application March 2, 1938, Serial No. 193,579
1 Claim. (Cl. 220—61)



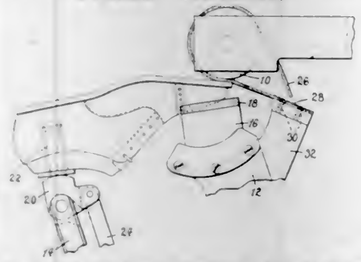
A container of the character described comprising a sheet metal body terminating at its upper end in an outwardly rolled resilient bead, a cover comprising a generally flat body portion terminating peripherally in a raised rib forming a groove positioned to overlie the body head and a depending flange of a diameter for embracing said body bead and terminating in an outwardly rolled cover bead having a clearance at one portion thereof, a clamp wire encased in said cover bead and having free ends disposed in said clearance, sealing means disposed in said groove, the inner boundary of said groove being positioned adjacent the inner side of the first mentioned bead and comprising a downwardly and inwardly sloping frusto-conical wall coacting with the bead on the body and with the said sealing means to force said sealing means outwardly upon clamping the cover to said body, said cover flange depending to an extent serving to dispose the cover bead axis in a plane spaced only slightly below that in which the body bead lies whereby the upper limit of the cover bead is disposed in a plane above that occupied by the lower extremity of the body bead, and lever means secured to said ends and movable between cover clamping and releasing positions in which the wire is tensioned or relaxed respectively to grip the cover bead about the body bead and draw the cover down upon the body bead in clamped position so as to compress the sealing means about the body bead or release said cover bead from gripping relation with said body bead.

2,233,519

METHOD AND MACHINE FOR SHAPING THE BOTTOMS OF SHOES

Fount E. Curtis, Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application November 13, 1939, Serial No. 304,000
6 Claims. (Cl. 12—34)



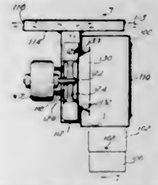
3. In a machine for pressing the bottoms of shoes, a roll, a shoe support, said support and roll being relatively movable in directions lengthwise of a shoe on said support to cause the roll to operate progressively along the shoe bottom, and a flexible apron connected at one end only to the shoe support and arranged to be interposed loosely between the leveling roll and the shoe bottom for transmitting the pressure of the roll to the bottom of the shoe.

2,233,520

DUST SEPARATOR

Andre F. de Vigan, Detroit, Mich.

Application May 6, 1938, Serial No. 206,477
3 Claims. (Cl. 183—77)



1. A mechanism for separating suspended matter from fluid comprising a substantially cylindrical casing, a partition having a circular opening adjacent one end of said casing, an outlet element extending through the opening in said partition and having a truncated portion with its smaller end towards the partition and its larger end extending into the casing, means providing a fluid inlet adjacent to said conical element and transverse to its axis, a separated material outlet for the casing, and means for spinning said outlet element on its axis and applying a suction to its smaller end.

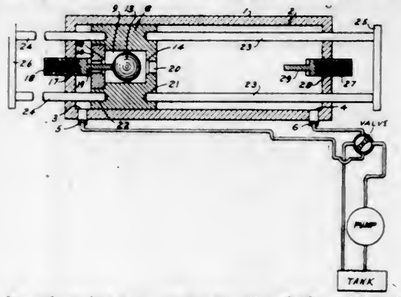
2,233,521

DOUBLE-ACTING CHECK VALVE DEVICE

Walter Ernst and George M. Geiger, Mount Gilead, Ohio, assignors to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application June 15, 1937, Serial No. 148,339
2 Claims. (Cl. 121—38)

1. In a hydraulic system, a piston rod, a piston head on said piston rod, a pressure fluid source, a cylinder having hydraulic connections to said fluid source on opposite sides of said piston head for receiving pressure fluid to operate said piston head, a passageway through said piston head having valve seats near its opposite ends, a single freely moveable ball valve member in said passageway engageable with said seats, said cylinder having stops mounted at opposite ends thereof to engage and unseat said ball valve member in response to the arrival of said piston at predetermined positions near the opposite ends of its stroke whereby to automatically shift said valve member to open said passageway and to maintain it in open position for a desired time to by-pass the pressure fluid from said fluid source through said piston head, and means for adjusting either of said stops to determine the position at which the opening of said ball valve occurs.



2,233,522

DENTAL COMPACT

Ruth A. Fickle, Portsmouth, Va.

Application March 5, 1940, Serial No. 322,394
2 Claims. (Cl. 132—92)



1. In a dental compact, a container providing a brush handle having an open end, a cap for closing the open end, said cap being hollow to provide a receptacle, a holder for receiving dental floss and fitting within the cap, teats formed within the cap upon diametrically opposite sides thereof, said holder having bayonet slots therein for receiving the teats for detachably securing the holder within the cap, said cap having an opening therein for the passage of the floss therethrough, and means threadedly associated with the cap for cutting the floss that extends through the opening.

2,233,523

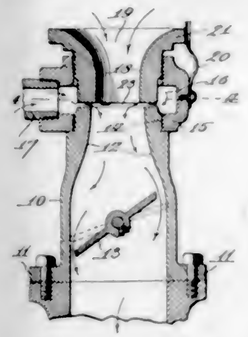
CARBURETOR

Albert H. Forgar, Los Angeles, Calif.

Application October 28, 1938, Serial No. 237,504
2 Claims. (Cl. 48—180)

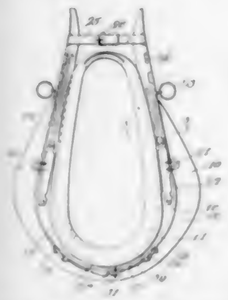
1. A carburetor comprising a pair of tubular

members arranged end to end, a member connecting said tubular members, which member is provided with an annular chamber that surrounds the adjacent ends of said tubular members, means for supplying gaseous fuel to said chamber, the opening through one of said members being contoured to form a venturi, the other tubular member being screw seated in the connecting member so as to be adjusted toward and away from the other tubular member so as to



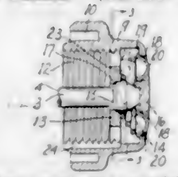
provide an adjustable annular slot that establishes communication between said annular chamber and the Venturi passage, said adjustable tubular member being provided with a throat that tapers toward its inner end and the inner end of which throat is smaller in diameter than the small end of the venturi in the other tubular member and a throttle valve arranged for operation within the tubular member having the venturi.

2,233,524
HAME
Hiram A. Goetz, Ranson, W. Va.
Application July 15, 1938, Serial No. 219,440
1 Claim. (Cl. 54—25)



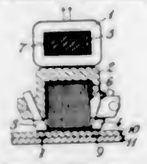
In combination, a pair of hames each including a body adapted to fit between the wales of a horse collar, a hame iron fixed to the outer face of said body, said hame iron having an extension projecting beyond the lower end of the body and being substantially V-shaped in cross-section, said hame iron being provided with a transverse eye-receiving portion spaced from the lower end of said body, and an eye swingingly mounted in the eye-receiving portion, said eye being of less dimension longitudinally of the hame than the distance from the outer end of the extension to said eye-receiving portion.

2,233,525
FISHING REEL
Clarence H. Guptail, Oshtemo Township, Kalamazoo County, Mich., assignor to Shakespeare Company, Kalamazoo, Mich., a corporation of Mich
Application September 11, 1939, Serial No. 294,283
11 Claims. (Cl. 308—163)



1. In a fishing reel, the combination with the frame, of a shaft and externally threaded bearing for said shaft carried by said frame, an internally threaded cap adjustably threaded on said bearing and provided with spaced oil openings in the end thereof, a closure disk arranged within said cap and provided with semi-spherical portions engaged within said oil openings, a thrust bearing member support threaded into said cap and having an outwardly facing seat for said thrust bearing member, said support being adjusted to hold said thrust bearing member against the end of the cap, and a helically coiled conical spring seated on said support with its smaller end embracing said thrust bearing member and laterally positioned thereby and its larger outer end in supporting engagement with said closure.

2,233,526
APPARATUS FOR DOUBLE SPOT OR SEAM WELDING
Gerhard Hagedorn, Berlin-Halensee, and Walter Hass, Klein-Machnow, near Berlin, Germany, assignors to Bernhard Berghaus, Berlin-Lankwitz, Germany
Application September 28, 1938, Serial No. 232,197
In Germany October 9, 1937
10 Claims. (Cl. 219—4)

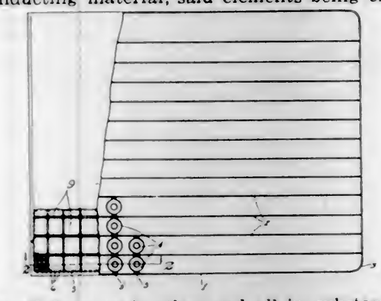


7. Apparatus for double spot or seam welding of two metal sheets by means of two electrodes lying next to one another on one of the metal sheets without any counter-electrodes, comprising in combination with said two electrodes a welding transformer having one of its electromagnetically operative parts lying between the electrodes and extending towards one of the metal sheets nearly as far as the ends of the electrodes intended to rest thereon, whereby the said electro-magnetically operative part acts by electro-magnetic induction as a current displacer by reducing the current flowing through the upper metal sheet with respect to the current flowing through the lower metal sheet.

2,233,527
MATTRESS
Robert H. Hamblin, Worcester, Mass.
Application December 6, 1938, Serial No. 244,225
3 Claims. (Cl. 5—191)

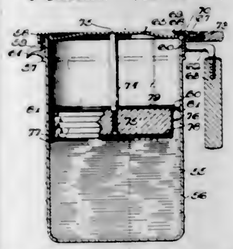
1. A mattress top comprising a multiplicity

of relatively small substantially flat rectangular elements made up of interwoven strips of heat conducting material, said elements being closely



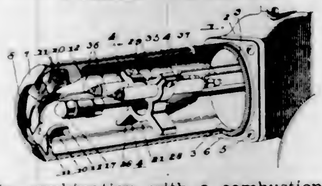
spaced from each other and all in substantially the same plane, and resilient means interconnecting said elements and allowing a relative movement therebetween.

2,233,528
DEVICE FOR MAKING COFFEE OR THE LIKE
Dwight Ruggles Perry Heaton, Sand Hills, Mass.
Application October 6, 1939, Serial No. 298,318
6 Claims. (Cl. 53—3)



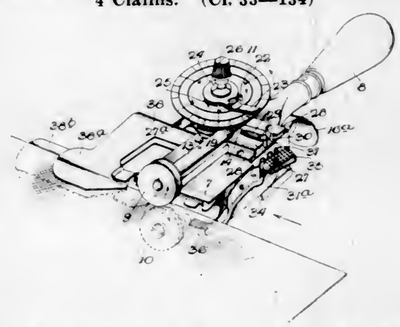
1. A device for making coffee or the like, comprising a container having one end open, a cover detachably connected to the open end of the container to close it, a member secured to the cover and arranged within the container and having a tubular part, a basket having a perforated bottom arranged within the container, and a screw secured to the basket and having screw-threaded engagement within the tubular part, a disc attached to the member and extending into the basket, a relative longitudinal movement between the disc and basket being effected by turning the screw.

2,233,529
COMBUSTION TUBE
Frank E. Herr, Lancaster, Pa.
Application January 25, 1939, Serial No. 252,835
2 Claims. (Cl. 158—73)



1. In combination with a combustion tube, a composite air diffuser and mounting device for the dual purpose of supporting the oil pipe and electrodes of an oil burner, said device comprising a hollow body having a hub to receive said pipe, diametrically positioned pairs of ribs and clamps extending from the body in substantial cross form and at radially equal distances to loosely touch the bore of said body, thus to axially centralize said body and pipe solely by the bracing function of said ribs and clamps, and a pair of electrodes fixed in positions in said clamps.

2,233,530
CLOTH MEASURING DEVICE
John W. Holman, Atchison, Kans.
Application October 18, 1939, Serial No. 300,059
4 Claims. (Cl. 33—134)



1. In combination, a cloth measuring device including a frame and a pair of rollers carried thereby and spring pressed to grip the edge of a length of cloth between and to be rotated by frictional engagement therewith upon relative movement of the cloth and device, length indicating means actuated by the rotation of one of said rollers, and releasable gripping means carried by the frame for gripping the frame to the cloth and preventing relative movement of the cloth and frame.

2,233,531
CROTONIC ACID-ISOBUTYLAMINE RESIN AND PROCESS OF PRODUCING THE SAME
Almon G. Hovey, Birmingham, and Theodore S. Hodgins, Royal Oak, Mich., assignors to Reichhold Chemicals, Inc., formerly Beck, Koller & Company, Inc., Detroit, Mich.
No Drawing. Application December 10, 1938, Serial No. 245,018
6 Claims. (Cl. 260—2)

1. A condensation product formed by fusing together crotonic acid and isobutylamine until a resinous reaction product is obtained, said acid and amine constituting the principal reacting ingredients.

2,233,532
ELECTRICAL CIRCUIT CONTROLLING DEVICE
Ferdinand F. Humphreys, Caldwell, and Tellef A. Terjesen, Hoboken, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application September 1, 1937, Serial No. 161,956
5 Claims. (Cl. 200—87)

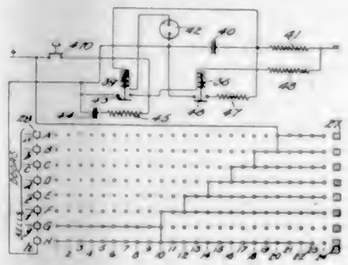
1. A device of the class described, comprising in combination a core member carrying an energizing winding, an armature pivotally mounted on said core member carrying a contact at its free end, a yoke of insulating material mounted on said core member and providing a stop against

which said armature contact rests when said winding is deenergized, said yoke providing a curved surface along which it is adjustable to vary the position of said contact stop and thereby



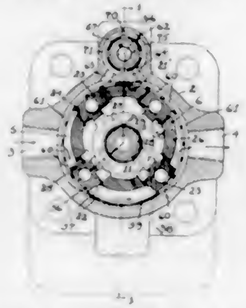
determine the air gap between the free end of said armature and said core, with the center of curvature of said yoke surface located substantially at the pivotal axis of said armature.

2,233,533
BULKHEAD DOOR
David Edward James, New Cross, London, England, assignor to J. Stone & Company, Limited, Deptford, England, a company of Great Britain
Application November 2, 1937, Serial No. 172,496
In Great Britain November 24, 1936
2 Claims. (Cl. 177—311)



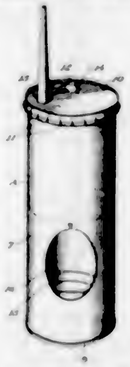
1. Electrical control apparatus for controlling the operating means of remotely located doors such as bulkhead doors and the like, comprising a multiple switch having a plurality of contacts arranged sequentially for connection with the respective door-operating means for closing circuits to the door-operating means to operate the same as the multiple switch is actuated; electric means for actuating said switch to close said contacts in sequence; a self-opening manual switch connected with said actuating means for controlling the excitation thereof to set said actuating means in operation by a momentary closure of said manual switch; and a further contact on said multiple switch connected to said actuating means for maintaining said actuating means in operation until closure of all said sequentially arranged contacts, the multiple switch in normal position closing no contacts but after actuation of said manual switch closing said further contact and then sequentially said door actuating contacts, said further contact being reopened before said door actuating contacts, which are then reopened by another actuation of said manual switch, said multiple switch being cyclic in nature and ready for another similar actuation when desired.

2,233,534
ROTARY PUMP
Joseph F. Jaworowski, Cleveland, Ohio, assignor of one-fourth to Arthur H. Dettelbach and one-fourth to Sam W. Emerson, both of Cleveland, Ohio
Application August 26, 1938, Serial No. 226,946
5 Claims. (Cl. 103—144)



2. In a rotary pump an integral chambered rotor embodying a longitudinally slotted, peripheral wall and supporting end walls enclosing the rotor chamber, blades slidably extended through the slots in said peripheral wall into said rotor chamber, and shaft means of substantial cross section extended through said rotor and rotatably mounting said rotor and blades in eccentric relationship with respect to each other, said blades being formed with bearings larger in diameter than the width of the rotor slots, and said bearings being partly cut away and proportioned in wall thickness and shape relative to the width of the rotor slots for extension by tilting through said slots into said rotor chamber.

2,233,535
OIL CAN
Ralph V. Jenkins, Salt Lake City, Utah
Application April 1, 1940, Serial No. 327,314
4 Claims. (Cl. 221—32)



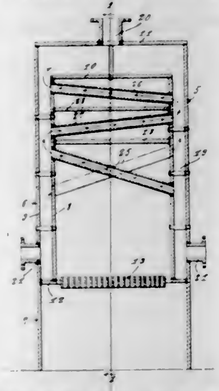
1. An oil can comprising a body proper for holding oil and having a spout projecting from one end thereof, a cylindrical holder slidably receiving the said body and having a finger-admitting opening for the engagement of the said body when within the cylindrical holder means within the holder for urging the body in the direction of one end of said holder, and a cap releasably fitting the holder and having a runway for the spout and also provided with a clearance for the projecting of the spout therethrough.

2,233,536
EXTENSION ARM ATTACHMENT FOR JACKS
Burton J. Kelley, Punxsutawney, Pa.
Application April 9, 1940, Serial No. 328,747
4 Claims. (Cl. 254—134)



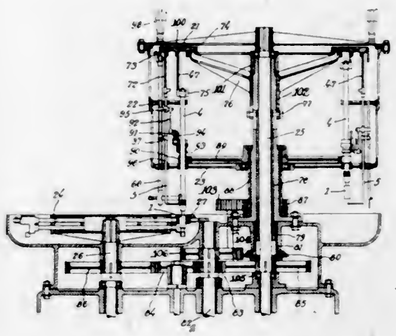
1. In combination with a jack of the type including a vertically movable support, the improvement which comprises a vertically extending member mounted on and movable with said support; an arm, swingable in a vertical plane, mounted on said member near the base of the jack; a hook element on the free distal end of said arm; and a coupling of adjustable length connecting the top end of said member with said arm.

2,233,537
MULTITUBULAR BOILER
Scott L. Kelling, Jefferson City, Mo.
Application December 9, 1938, Serial No. 244,847
1 Claim. (Cl. 122—176)



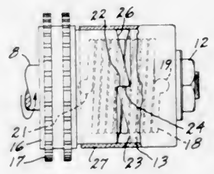
A boiler equipped with upper and lower sections, said upper section constituting a water jacket formed with a tube compartment and a fire box defined by the lower end of said jacket and about which water is adapted to circulate, a plurality of diagonally arranged tubes mounted in the lower portion of said compartment above said fire box and communicating with said jacket, a plurality of tubes mounted in the upper section of said compartment and having upper and lower series of tubes converging towards one side of said jacket and communicating with the latter, and baffle plates mounted in said compartment and interposing said first mentioned tubes and said second mentioned tubes and the tubes of each series whereby to circulate heat from said fire box about said tubes for effecting the heating of water circulating upwardly therethrough, said first mentioned tubes being disposed in alternate directional planes for maximizing the heating of water circulating through said first mentioned tubes.

2,233,538
APPARATUS FOR WRAPPING CARBON DOLLIES
Armin Kunze, Berlin-Zehlendorf, Germany
Application April 19, 1937, Serial No. 137,839
In Germany April 30, 1936
12 Claims. (Cl. 242—7)



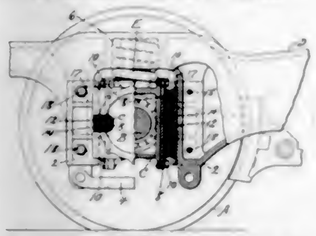
1. A device for mechanically wrapping carbon dollies for galvanic cells including a rotary spindle, a clamping chuck on the lower end of the spindle for clamping the carbon rod of the dolly, an axially slidably mounted thread guide capable of being reciprocated beyond the end surfaces of the dolly, an operative driving connection between the spindle and the thread guide, and means adjacent the spindle for gripping the thread at the free end of the dolly during the winding of the initial convolutions and for cutting the thread when the dolly has been wound.

2,233,539
FLEXIBLE POWER TRANSMISSION
Porter Landrum, Birmingham, Ala.
Application September 14, 1939, Serial No. 294,878
3 Claims. (Cl. 64—27)



1. In a power transmission, a driving member, a driven member journaled for rotational movement with respect to the driving member, a helical spring having its one end secured to the driving member and its other end secured to the driven member, a stop shoulder formed on the driving member, a stop shoulder formed on the driven member for engagement by the stop shoulder on the driving member when the power being transmitted is greater than the resistance offered by the spring, a wedge surface formed on the driving member, a wedge surface formed on the driven member for engagement with the wedge surface on the driving member when power is not being transmitted through the spring.

2,233,540
JOURNAL BOX MOUNTING
Elmer Latshaw, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 8, 1934, Serial No. 756,600
10 Claims. (Cl. 105—224.1)



2. In a journal box mounting, spaced pedestal jaws, a journal box, resilient means including rubber shear springs positively connecting said box and jaws and adapted to yieldingly center the box in the space between the jaws by acting in compression, and means preventing excessive yielding of said resilient means in both shear and compression.

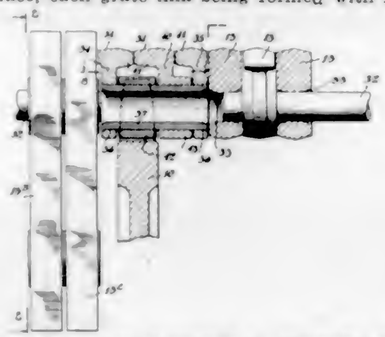
2,233,541
EIGHT-WHEEL TRUCK
Elmer Latshaw, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 8, 1938, Serial No. 194,575
17 Claims. (Cl. 105—183)



1. In an eight wheel railway truck the combination of a pair of wheel and axle assemblies adjacent each end of the truck, journal box units joining the adjacent axles together to form each pair, truck side frames, spaced pedestal jaws secured to the side frames and embracing the journal box units for joining the pairs together, means resting on said journal box units for transferring load thereto from said side frames, and bolster means carried by the side frames for transferring load thereto.

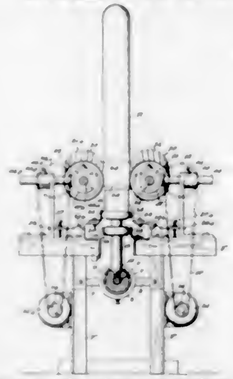
2,233,542
CHAIN GRATE STOKER
William Lloyd, New York, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Original application May 5, 1939, Serial No. 271,859. Divided and this application October 31, 1939, Serial No. 302,231
2 Claims. (Cl. 110—40)

1. In a travelling grate having at each of a plurality of points spaced transversely thereof a series of drive links arranged in spaced relation with their longitudinal axes disposed in the direction of grate movement and spaced apart in end to end relation, each link being formed near each end thereof with a transverse aperture; hollow sleeves fitted in said apertures of each link and extending from one side of the latter; other similarly disposed drive links formed near each end thereof with transverse apertures for fitting them on a sleeve at one end of one of said first drive links and on the sleeve at the adjacent end of a following or preceding first mentioned drive link for connecting all drive links of a series to form an endless chain; grate links arranged in side by side and end to end relation with their longitudinal axes disposed in the direction of grate movement between said chains of drive links to form a fuel supporting surface, each grate link being formed with lon-



gitudinally spaced apertures in alinement with like apertures of other grate links located laterally thereof; and rods extending through apertures in a plurality of laterally spaced grate links and extending through the apertured sleeves carried by drive links of said chain to support said grate links therefrom.

2,233,543
MACHINE FOR BEADING DIPPED RUBBER ARTICLES
Frederick John Maywald, Jr., Rutherford, N. J., assignor, by mesne assignments, to Frank B. Killian & Company, Akron, Ohio, a partnership composed of James Tyrrell, trustee, Perry H. Stevens, Lucy S. Stevens, and Maurice Gusman, all of Akron, Ohio
Application October 20, 1939, Serial No. 300,324
12 Claims. (Cl. 18—2)



1. Beading mechanism comprising a conveyor, said conveyor having links which are connected to each other by pivot members, said links having collars turnably mounted thereon, each said link having a straight longitudinal axis, each collar being turnable relative to the respective link around the longitudinal axis thereof, each collar being located between a pair of said pivot members, said conveyor having means adapted to hold the collars against substantial longitudinal movement relative to the conveyor, each collar having a pin fixed thereto, the longitudinal axis of each pin being perpendicular to the longitudinal axis of the respective link, a first tube turnably mounted on each pin, a second tube turnably mounted on each first tube, each first tube having a mandrel and a first roll connected thereto so that each first tube can turn in unison with the respective mandrel and the respective first roll around the longitudinal axis of the respective pin, each second tube having a second roll connected thereto and turnable in unison therewith, said machine having a first pair of rails which are mounted to contact with the first rolls, said first rails being longitudinally offset so that they contact in succession with the first rolls, each first rail having a companion rail which contacts with the respective second rolls, each said first rail and its companion rail being located on opposite sides of the mandrels, means adapted to bead rubber films which are located on said mandrels while said rolls contact with the aforesaid rails.

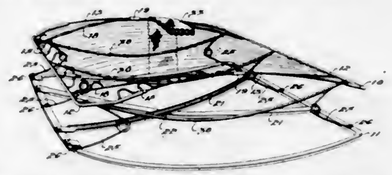
2,233,544
REFLECTOR ATTACHMENT FOR SHOES
Ruth R. McKinley, Miami, Fla.
Application June 28, 1939, Serial No. 281,726
1 Claim. (Cl. 88—80)



An attachment for applying light reflecting elements to a shoe comprising an elastic band for disposal about the rear portion of the shoe above the heel and terminating in angular extremities upon opposite sides of the shoe above the arch thereof, a second elastic band for disposal over the instep of the shoe and terminating in angular extremities disposed in abutting engagement with the extremities of the first mentioned band, said bands having light reflecting elements slidably connected thereto for adjustment along the length thereof and for normal disposal at the front and rear of the shoe, and a non-elastic strap for disposal under the arch of the shoe and overlapping and connected to the abutting extremities of said bands for cooperation therewith to secure the attachment to the shoe.

2,233,545
CUSHION CONSTRUCTION
Clarence H. Menge, Mount Clemens, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application February 1, 1936, Serial No. 61,863
Renewed March 24, 1939
2 Claims. (Cl. 155—179)

1. In a cushion construction, a rectangular border frame having members of inwardly presented channel section at opposite sides thereof, arcuate brace members of channel cross section extending transversely across said frame, connecting wires for securing said brace members to said frame, said wires being crimped into the channel of said brace members and crimped into the channel of said frame, and arcuate sinuous spring elements

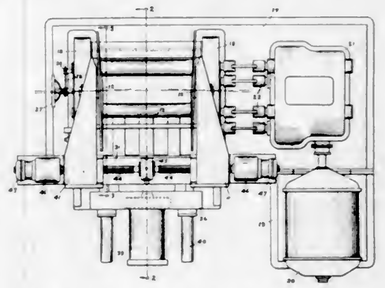


having their ends crimped into the border elements of said frame and tensioned transversely thereacross.

2,233,546
METHOD FOR ETCHING NICKEL
Charles Edmund Meulendyke, Rochester, N. Y.
No Drawing. Application May 24, 1939, Serial No. 275,514
5 Claims. (Cl. 41—42)

5. In the arts of metal-decoration and photomechanical printing, the method of etching into a copper base through a metallic nickel layer plated thereon and supporting suitable local resists including the steps of etching through the nickel layer with any suitable etching medium and then etching the exposed nickel edges and copper surfaces in an etching solution including cupric chloride and ferric chloride.

2,233,547
STRIP COILING MACHINE
Ralph J. Miller and Russell T. Todd, Youngstown, Ohio, assignors to McKay Machine Company, Youngstown, Ohio, a corporation of Ohio
Application June 13, 1939, Serial No. 278,856
10 Claims. (Cl. 153—54)



1. In a machine for coiling metal strip, the combination of a base, a pair of spaced housings mounted on said base, strip bending rolls spanning and journaled in said housings, a pair of spaced parallel cradle rolls positioned above said bending rolls and spanning and journaled in said housings, a frame member spanning said housings and adapted to move longitudinally therealong and normal to the axes of rotation of said rolls, a pair of spaced supports adjustably carried by said member in preselected spaced relation, a guide comprising a disk having a conically-shaped inner surface freely rotatably carried by the inner side of each of said supports, the relation of the parts being such that when said member is in its normal retracted position a line connecting the center high points of said surfaces will be parallel with, substantially midway of and above the axes of said cradle rolls, the axes of ro-

tation of said guides being angularly related to said line, means to rotate said rolls, and means to move said member.

2,233,548
SWITCH BOX SUPPORT
Joseph Mroziak, Niagara Falls, N. Y.
Application June 20, 1938, Serial No. 214,802
1 Claim. (Cl. 248—221)



An outlet box support comprising, an angular bracket having a relatively long leg and a relatively short leg extending at a right angle to the long leg, said legs being adapted to engage contiguous faces of a post of rectangular cross section, there being a pair of parallel slots in the long leg opening through the free edge of the leg and adapted to receive securing means of a conventional outlet box slid longitudinally of the slots toward the short leg, spaced lugs projecting from one side of the long leg at the extreme end of the long leg outside of the slots, a lug projecting from the same side of the long leg at the center of the long leg near the short leg, all of said lugs forming spacers located at the apex and base angles of an imaginary triangle and extending at a right angle to said long leg for engagement with a face of the post to space the long leg from the post, and securing means carried by the short leg for securing the bracket to the post.

2,233,549
SIDE SEAM FOR CAN BODIES
James H. O'Neil, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 9, 1935, Serial No. 39,842
2 Claims. (Cl. 220—75)



1. A side seam for can bodies comprising a body blank bent into cylindrical form and having the edges joined in a side seam disposed within the outer peripheral line of the can body, said side seam including interlocking hooks extending from one end of the can body to the other and a solder-bond uniting said hooks, the body wall of the can body carrying the inner hook in the portions of the side seam adjacent the ends thereof being curved so as to merge into the body wall close to the base of the outer hook and in the portions of the side seam adjacent the central region being gradually curved outwardly and merging into the peripheral line of the can body at a sufficient distance from the base of the outer hook so that the solder-bond terminates at the inside of the base of the outer hook whereby the stress on the solder fillet in said central region of the side seam, due to internal pressure within the can body, is a shearing stress.

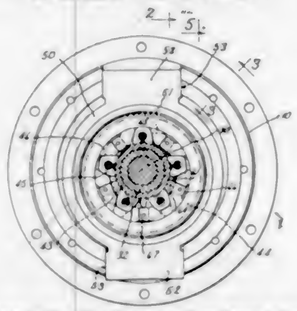
2,233,550
SHEET HOLDER
Morris Oppenheim, Chicago, Ill.
Application September 20, 1939, Serial No. 295,843
1 Claim. (Cl. 129—23)

A sheet holder for anchoring sheets of paper to a table or the like comprising a bar of wood, means to detachably secure said bar flat to said table, a pair of bushings countersunk endwise in said bar adjacent opposite ends of the latter, respectively, with outer ends flush with the top of said bar, a pair of headed studs extended into said bushings, respectively, with the heads thereof extended outwardly of said outer ends of the bushings and for receiving apertured sheets in superposed relation, a clamping bar having key-hole slots therein for locking beneath said heads



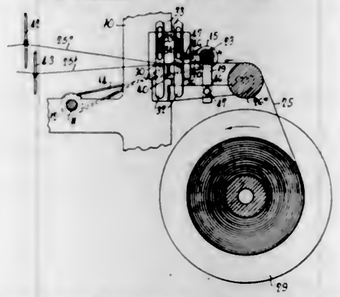
on top of said sheets, said studs being threaded into said bushings for turning therein to engage said heads with the clamping bar and clamp the latter against said sheets, said bushings having recessed inner ends forming shoulders therein, and said studs having lateral lugs accommodated in said recesses and coacting with said shoulders to limit turning of said studs outwardly, and locking pins extending laterally into the first-mentioned bar and into said bushings to lock the latter in place.

2,233,551
FLUID PUMP
Robert W. Ott, Stratford, Conn., assignor to Van Norman Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application October 20, 1938, Serial No. 236,047
20 Claims. (Cl. 103—117)



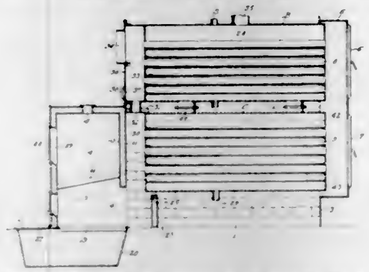
1. A variable displacement rotary pump of the type having a rotatable annular chamber with end walls and with inner and outer circumferential walls one of which is of variable eccentricity and valve means connected to said chamber; characterized by pumping mechanism within the chamber consisting of a circumferential series of blocks arranged for contact with each other in two alternating and staggered sets slidable between the end walls, the blocks of one of said sets being in slidable contact with the outer circumferential wall and having their side surfaces inwardly convergent and the blocks of the other of said sets being in slidable contact with the inner circumferential wall and having their side surfaces outwardly convergent.

2,233,552
WARP STOP MOTION
William F. Penland, Lexington, N. C., assignor of one-half to W. B. Hunt, Lexington, N. C.
Application May 10, 1940, Serial No. 334,376
3 Claims. (Cl. 139—349)



1. In a loom having a warp beam for receiving plied ends, a contact bar and drop wires, the warp ends from said beam normally holding said wires out of engagement with the bar, a rotary brush disposed above the warp ends and between the drop wires and the warp beam and passing between said warp ends and engaging said ends, and means for rotating said brush in a direction away from the drop wires whereby a broken ply will be entangled therewith to thereby cause the unbroken ply or plies of a warp end to be broken and allow the associated drop wire to fall and engage said contact bar to stop the loom.

2,233,553
STEAM GENERATOR
Brace Alden Phillips, Chicago, Ill.
Application March 8, 1938, Serial No. 194,649
1 Claim. (Cl. 122—52)



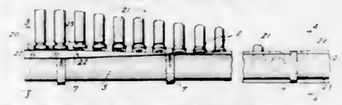
A steam generator comprising upper and lower fire tube boilers, made in separate units and connected together by tubular pipe couplings, a separate fire box unit situated in front of the lower boiler and comprising upper and lower combustion chambers, means for creating down and up drafts through the upper and lower combustion chambers, respectively, means for causing a reversed forward movement of the hot gasses of combustion through the upper boiler after passing under and through the lower boiler, a vertical plate having a draft opening and openings to receive the rear ends of the upper and lower boilers, an oval casing carried by said plate and a cover plate for the casing, said vertical plate, oval casing and cover plate forming a vertical passage or compartment at the rear ends of the boilers.

2,233,554
CANNULA HOLDER FOR HYPODERMIC SYRINGES
Delmer I. Pletcher, Bakersfield, Calif.
Application April 4, 1938, Serial No. 199,917
1 Claim. (Cl. 128—215)



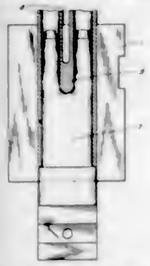
In a hypodermic syringe of the character described a hypodermic cartridge-syringe, comprising a barrel, or cylinder, a plunger, handles on the cylinder, a button on the end of the plunger, without the ordinary screwed or rigidly attached cartridge-cannula, in combination with a cylinder into which the cylinder of the syringe can slide, the said female cylinder carrying a cartridge-syringe cannula, a regulator that may be operated to disconnect the cannula from the cartridge at a predetermined point, without the pressure on the syringe being removed, all substantially as described.

2,233,555
APPARATUS FOR MAKING THIN DIPPED RUBBER ARTICLES
Hugo Reisinger, Trenton, N. J., assignor to Frank B. Killian & Co., Akron, Ohio, a partnership composed of James Tyrrell, trustee, Perry H. Stevens, Lucy S. Stevens, and Maurice Gusman
Application January 18, 1940, Serial No. 314,509
1 Claim. (Cl. 18—2)



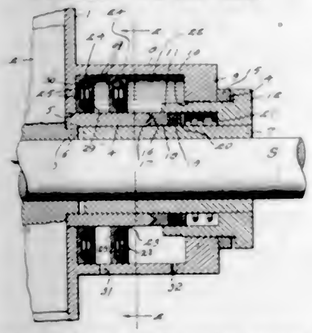
Apparatus of the class described comprising an endless conveyor including cylindrical members, a fixed tube-like member embracing said conveyor and constituting a slide therefor, said member having a longitudinally extending radial opening, the transverse curvature of said member being sufficient to maintain said cylindrical members therewithin, rods attached to and projecting from said cylindrical members through said radial opening, form assemblies rotatably mounted on said rods, each said assembly including rollers spaced axially along said rod, one of said rollers including a tubular extension composed of deformable rubber, a tubular form surrounding said extension, and means for compressing said extension axially and thereby expanding it laterally into close fitting engagement with said form, and a fixed rail along said radial opening and engaging with the form carrying rollers.

2,233,556
METHOD OF MAKING RETURN BENDS
Wilhelm Rieger, Kassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y.
Application October 30, 1937, Serial No. 171,856
In Germany December 30, 1936
2 Claims. (Cl. 29—157.6)



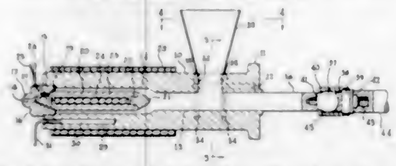
1. In the art of connecting two pipes into a "breeches-piece" by the steps of heating the portions adjacent to the ends to be connected, holding the pipes in the position they will occupy when connected, slitting the walls facing each other for a distance inward from the end, and bending the portions adjacent to the slits out thereby bringing their edges into contact and welding them to each other, the improvement consisting in forcing part of the material of the pipes into the space between facing portions of the two pipes beyond the crotch of said breeches piece to form a web extending from the crotch of the breeches piece between and along the pipes, said web being integral with the two pipes.

2,233,557
PACKING FOR SHAFTS
Julian U. Shager, Tacoma, Wash.
Application July 29, 1939, Serial No. 287,400
5 Claims. (Cl. 308—36.2)



1. In combination with a rotary pump including a stator, an impeller within the stator and a shaft for the impeller extending out through a wall of the stator, a housing extending out from the wall of the stator through which the shaft is directed, said housing being concentric to the shaft and having its outer end provided thereabout with an inwardly disposed flange defining a central opening, a sleeve surrounding the shaft and having an extremity secured to the hub portion of the impeller, the opening of the wall of the stator thru which the shaft is directed being of a diameter to accommodate and receive said end portion of the sleeve, said sleeve terminating inwardly of the flange at the outer end of the housing and spaced from the shaft, a bearing sleeve for the shaft having an end portion engaging within the space between the shaft and the first sleeve, a gland member mounted upon the outer portion of the bearing sleeve and having a tubular extension threading thru the opening defined by the flange of the housing and extending within the housing beyond said flange, a ring surrounding the bearing sleeve for contact with the first named sleeve, said ring being of hardened material, packing surrounding the bearing sleeve in contact with the ring, and an expansible member interposed between the packing and the gland member constantly urging the packing toward and in contact with the ring.

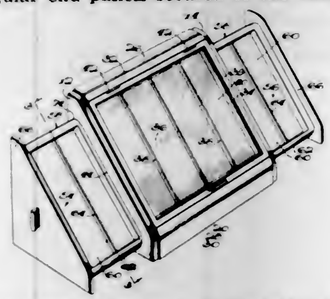
2,233,558
EXTRUSION CHAMBER FOR PLASTIC EXTRUSION PRESSES
Victor S. Shaw, Cardington, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application July 10, 1936, Serial No. 89,949
3 Claims. (Cl. 18—30)



1. A heating and extrusion chamber comprising a casing having a cylindrical bore, heating means associated with said casing, a nozzle mounted in said casing bore and having an outlet channel, a solid cylindrical internal material deflector mounted on said nozzle and positioned to extend rearwardly from said nozzle partially into said bore, said portion of the bore surrounding said deflector being of larger cross-section than the portion of the bore rearward of said deflector, a plurality of material-conducting passageways within said nozzle diverging from the outlet channel thereof into the annular space formed between said deflector and said cylindrical bore, means for supplying material to said portion of the bore rearward of the deflector, said heating means surrounding said casing and extending over both portions of the bore whereby said material is heated before contacting said deflector, heating means within said deflector, and a reciprocable extrusion plunger in said portion of the bore rearward of the deflector.

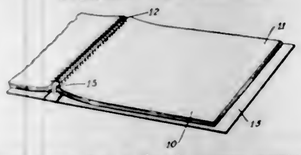
2,233,559
DISPLAY CABINET
Lowell W. Shields, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application February 5, 1940, Serial No. 317,401
3 Claims. (Cl. 312—122)

2. In a display cabinet, a casing having an open front and including a pair of oppositely disposed right-triangular side walls, a vertical rear wall and a horizontal bottom, there being an elongated relatively narrow rearwardly and upwardly inclined slot in each side wall extending parallel to but spaced from the forward edge of the latter and substantially coextensive with said edge, there being a relatively long recess along the upper inclined edge of each slot providing a clearance portion for articles carried by the trays, said slots being oppositely disposed and in alignment, opposed guideways extending between the slots at the ends thereof, a fixed display tray in said casing extending across said open front above the level of said slots, a shallow display tray slidably mounted within each slot and within said guideways and movable from an extended position to a retracted position within the casing below said fixed tray and vice versa, and right-triangular end panels secured to the outer ends



of said trays and concealing the latter and the slots in which the trays are mounted when the trays are in their retracted positions as well as concealing the major portions of the side walls, said panels having lower edges terminating flush with the underneath side of said bottom whereby the panels and bottom are adapted to be supported on a common supporting surface when the panels are extended.

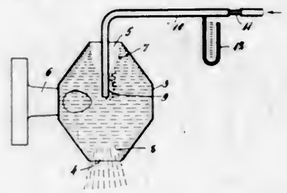
2,233,560
BINDER FOR BOOKS
Carl E. Skoog, Warwick, R. I., assignor to J. C. Hall Company, a corporation of Rhode Island
Application June 14, 1939, Serial No. 279,017
1 Claim. (Cl. 281—25)



A lock base for a book cover comprising an inverted U-shaped elongated sheet metal member having spaced sides, the edges of said sides having spaced slots adapted to receive a coiled page support, said base having integral portions at each end extending downwardly from the central portion between the sides thereof and forming closures, said closure portions having integral lock tabs turned inwardly and extending between the sides, the upper portion of said lock base having openings adjacent the ends in vertical alignment with the ends of said inturned tabs, whereby said lock tabs are positioned beneath said openings and may be readily riveted to a support.

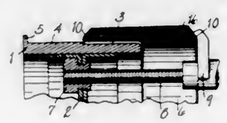
2,233,561
APPARATUS FOR INDICATING AND/OR CONTROLLING THE CONCENTRATION OR VISCOSITY OF LIQUIDS OR SUSPENSIONS
Karl Torsten Källe, Saffle, Sweden
Application October 15, 1937, Serial No. 169,334
In Sweden December 18, 1936
5 Claims. (Cl. 265—11)

1. In viscosity apparatus, a circular vessel, means for introducing a liquid into said vessel at a substantially constant rate and for imparting a swirling movement thereto to establish a vortex at the surface of said liquid which is



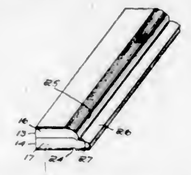
proportional to the viscosity of said liquid and indicating and or controlling means responsive to the variation of the vortex.

2,233,562
BAND SAW WHEEL AND TIRE THEREFOR
Carl E. Tannewitz, Grand Rapids, Mich.
Application June 3, 1940, Serial No. 338,588
11 Claims. (Cl. 74—230.24)



4. A band saw tire comprising an annular stepped tire rim, tire facing anchoring members formed of metal strips of width approximating the width of the steps embracing said rim and fixed thereto, said anchoring members having loop-like anchoring elements struck up therefrom, the bight portions of said anchoring elements being annular, and a tire facing for said tire rim having said anchoring elements embedded therein.

2,233,563
METHOD OF MAKING WELTING
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a partnership
Application September 10, 1940, Serial No. 356,174
4 Claims. (Cl. 12—146)



1. A method of making heavy edge welting which consists in forming a longitudinal slit in the grain side of a leather fillet, so that the slit inclines downwardly and away from one edge of the fillet and terminates approximately midway between the edges and adjacent the bottom thereof to provide a longitudinal hinge, folding the fillet on said hinge so that the flesh surfaces of the folded portions are juxtaposed with the edges thereof substantially flush, and cementing the flesh surfaces of the two portions together, to

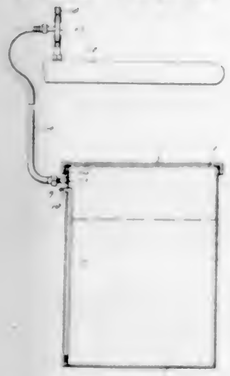
provide a strip of welting having a base formed with an inclined sewing edge and a deck formed with a sloping flesh edge adapted to engage a shoe upper.

2,233,564

MEANS FOR PRESERVING FISH AND OTHER MARINE LIFE WHILE ON LONG TRIPS BY MOTOR VEHICLE OR BOAT

Elmer L. West, Springfield, Mo.

Application June 5, 1939, Serial No. 277,540
1 Claim. (Cl. 43—56)



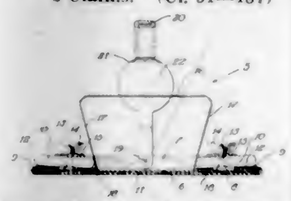
A device of the character described, comprising, a single container, a removable top normally sealed to said container, an outlet connection carried by said container for permitting air to be exhausted therefrom and constituting the sole means through which air is exhausted from said container when said top is sealed to said container, a tube within said container and having a lower end terminating adjacent the bottom of said container, and an upper end formed with a section extending through the side of and without said container and subjacent said connection whereby when air is exhausted from the container through said connection air is introduced into the bottom of said container through said tube to aerate water within the container and below said section.

2,233,565

BUFFING OR CLEANING TOOL

Augustin J. Whelan, Sr., Jersey City, N. J.

Application May 8, 1940, Serial No. 334,054
2 Claims. (Cl. 51—187)



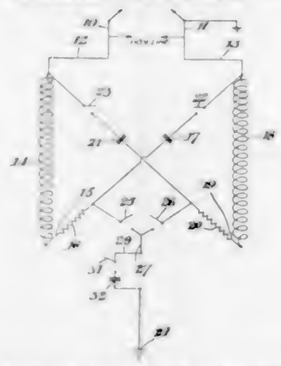
1. A tool of the character described comprising a base, upwardly extending flanges formed on each side edge of said base, a sheet of material disposed over the lower face of said base and extending over each end thereof between said side flanges, a stud projecting upwardly adjacent each end of said base, a block mounted on each stud for securing said material to said base, said blocks adapted to be clamped to said base, and a hand rest supported centrally of said base and held by means of said blocks for engagement when using said tool.

2,233,566

ELIMINATION OF POWER LINE INTERFERENCE IN RADIO RECEIVING HOOKUPS

Floyd Edwin Bole, Westboro, Ontario, Canada, assignor of thirty per cent to J. Beverley Maclaughlin and thirty per cent to Cameron M. Edwards, both of Ottawa, Ontario, Canada

Application November 16, 1938, Serial No. 240,895
11 Claims. (Cl. 178—44)



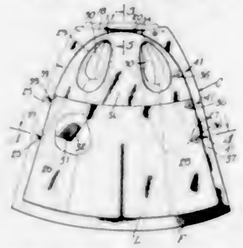
1. Apparatus for eliminating the transmission of power line interference to radio receiving sets comprising, in combination, a pair of parallel paths connected across said power line, each path including an inductance element, a resistance element, and a condenser connected in series, a third condenser having a connection from one terminal thereof to ground, and switching means for connecting the ungrounded terminal of said third condenser selectively to points on said parallel paths intermediate two of the elements in each path.

2,233,567

REVERSIBLE COAT

Bernard Levinsohn, New York, N. Y.

Application October 31, 1940, Serial No. 363,761
11 Claims. (Cl. 2—97)



1. A garment having an inside and outside face, a row of fastening members mounted along said inner face and extending widthwise and substantially along the neckline thereof, a row of fastening members mounted along said outer face and extending widthwise and substantially along the neckline thereof, a jacket having a row of fastening members arranged along the neckline thereof and complementary to either of said row of fastening members on said inner face or on said outer face and cooperable with said

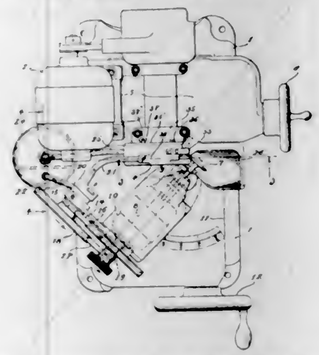
row on said inner face or with said row on said outer face for disconnectably suspending said jacket to said inner face or outer face, and a turnable collar when turned down concealing said row on said outer face.

2,233,568

WET GRINDING ATTACHMENT FOR VALVE RESURFACING MACHINES

Glenn C. Wilhide, Towson, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland

Application August 26, 1939, Serial No. 292,019
14 Claims. (Cl. 51—267)



1. The combination in a valve seat grinder for poppet valves and the like, having a grinding wheel and a rotating chuck for the valve to rotate the valve being ground, in grinding relation to the wheel surface, providing a grinding area, of means for directing liquid coolant toward said grinding area, a receptacle for liquid coolant having means for separating the liquid containing grit from the liquid which is supplied to the wheel providing a continuous supply of clean liquid, a pump having its discharge end connected to said liquid coolant directing means and its intake connected to said clear liquid supply, a wheel guard surrounding said wheel for collecting said liquid, a splash guard adapted to partially enclose the valve and having an opening to give the operator a view of the work said splash guard being movably mounted to admit the valve to the chuck and provide for its release therefrom and connections for returning the liquid from both said guards to said separating means.

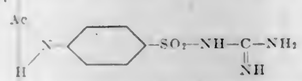
2,233,569

P-ACYLAMINO BENZENE SULPHONYL GUANIDINES AND PROCESS FOR MAKING THEM

Philip Stanley Winnek, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 19, 1940, Serial No. 357,500
5 Claims. (Cl. 260—556)

1. Compounds having the following general formula:



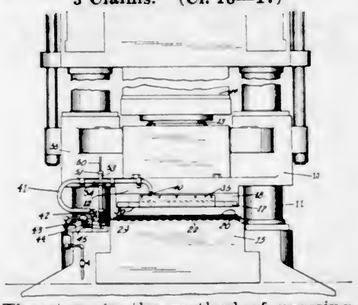
where Ac is a member of the group consisting of acyl radicals of lower saturated aliphatic monobasic acids and the acyl radical of benzoic acid.

2,233,570

APPARATUS FOR MOLDING SHEETS

Carl Absmeier, La Grange, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application August 11, 1938, Serial No. 224,257
3 Claims. (Cl. 18—17)



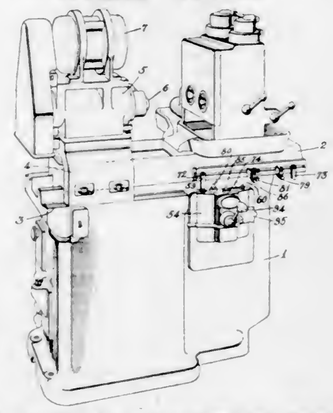
1. The steps in the method of pressing sheet material with a pressing platen, which comprises injecting compressed air adjacent said sheet immediately in advance of contacting said surface with a pressing platen, and maintaining air pressure on said sheet while said platen is in contact with said sheet and during a portion of the travel of said platen away from said sheet.

2,233,571

MACHINE TOOL

Carroll R. Alden, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Original application April 30, 1934, Serial No. 723,135. Divided and this application July 13, 1938, Serial No. 218,898
11 Claims. (Cl. 77—3)



1. A machine tool comprising, in combination, a base, a movable support and a fixed support on said base, a spindle journaled on one of said supports, means for reciprocating said movable support through a predetermined range, a brake for said spindle, a hydraulic piston and cylinder unit for applying and releasing said brake, fluid supply passages opening respectively to opposite ends of said unit, a source of fluid under pressure, an exhaust passage, and valve means operable directly by said movable support to connect one of said supply passages to said source and the other of said supply passages to said exhaust

passage upon movement of said movable support into one end position, and to reverse such connections upon movement of said movable support into the other end position respectively to apply and release said brake.

2,233,572
LIQUID-LEVEL GAUGE
Thomas J. Atkins, East Orange, N. J.
Application October 3, 1938, Serial No. 233,015
3 Claims. (Cl. 73—305)



1. In a liquid-level gauge, a tube, a float disposed in said tube to follow the liquid level therein, a permanent magnet carried by said float for rotation and shaped to roll along the inside surface of said tube, and an indicating element disposed outside of said tube and held against the same by the magnetic attraction of said magnet and movable by reason of such attraction along said tube with occurring movement of said magnet and float in following the liquid level in said tube.

2,233,573
COATING COMPOSITION FOR LITHOGRAPH PLATES AND METHOD OF APPLYING THE SAME
Arnold L. Ayers, Omaha, Nebr., assignor to Albert E. Tyler, Omaha, Nebr.
No Drawing. Application January 7, 1939, Serial No. 249,825
12 Claims. (Cl. 41—41.5)

1. A coating composition for lithograph plates, adapted to preserve and protect an image fixed upon said plate and to increase the sharpness of an impression obtained therefrom, comprising, a silicate of an alkali metal and cream of tartar.

2,233,574
JELLYING PECTIN COMPOSITIONS
George L. Baker and Marvin W. Goodwin, Newark, Del., assignors to the Public of the United States
No Drawing. Continuation of application Serial No. 258,191, February 24, 1939. This application August 9, 1939, Serial No. 289,124
3 Claims. (Cl. 99—132)

1. The process of producing powdered jellying pectin compositions, comprising, incorporation, in the dry state, of soluble pectins with a methoxyl content of between 3 and 6.5 per cent and a solution pH of 3.5 to 7.0 with a salt of at least one of the metals from the group consisting of aluminum, calcium, iron, manganese, and nickel, which will form jelly solely upon adding many times their weight of water followed by heating to boiling and cooling.

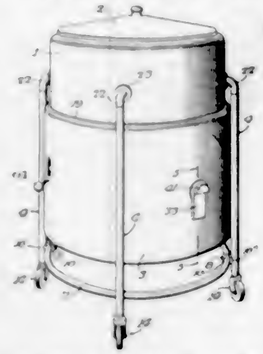
2,233,575
MANUFACTURE OF CERAMIC WARES
George J. Bair, Pittsburgh, Pa., assignor to Norbert S. Garbisch, Butler, Pa.
No Drawing. Application December 16, 1938, Serial No. 246,172
3 Claims. (Cl. 106—11)

1. A process of forming pottery bodies, which process comprises incorporating with pottery clay and crushed flint, a flux consisting of glass crushed to pass a screen of 200 mesh, which glass, after crushing and prior to incorporation into the pottery body, has been conditioned to remove surface alkali from the particles thereof by subjecting it to the action of a strong mineral acid and then washing out the acid.

2,233,576
STIFFENING MEMBER FOR SHOES AND THE LIKE
Paul A. Balon, Arlington, N. J., and Harold S. Holt, Wilmington, Del., assignors to The Celastic Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 4, 1939, Serial No. 254,604
10 Claims. (Cl. 36—77)

1. A stiffening member for shoes and the like, comprising a web of fibrous material impregnated with a composition comprising essentially beta naphthol-modified rubber and a compatible auxiliary component from the group consisting of non-volatile, water-insoluble, organic plasticizers, modifiers and extenders.

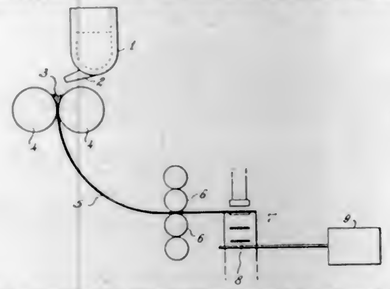
2,233,577
WASHING MACHINE
Marshall A. Blu, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 15, 1937, Serial No. 130,970
8 Claims. (Cl. 248—151)



1. In combination with a washing machine tub, a casing on which the tub is mounted, and means for supporting the casing and tub, said means comprising hollow legs extending along the outside of and below the casing, fastening means located entirely within the casing and legs for rigidly securing them together, a tub vibration dampening member swivelled on each leg and engaging circumferentially spaced portions of the tub, an annular brace bar disposed at the inner sides of the legs below the casing, and means disposed substantially entirely inwardly of the outer sides of the legs for fastening the legs to the brace bar, the last mentioned means including a caster socket member arranged in the lower end of each leg.

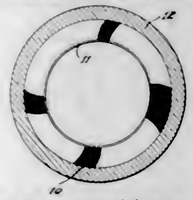
2,233,578
METHOD OF MAKING BATTERY CANS
Thomas I. S. Boak, Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application November 4, 1937, Serial No. 172,731
2 Claims. (Cl. 136—126)

1. The method of making electrode cans for dry cells which comprises reducing an alloy containing not more than .25 percent of a metal from the group consisting of manganese, magnesium and aluminum, balance zinc, to a molten



state, depositing the molten metal in a pool between a pair of rolls, passing the molten metal through the rolls to solidify it and form a sheet, cutting the sheet into blanks and extruding the blanks to form cans.

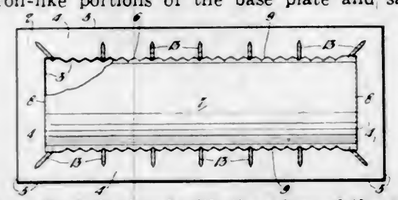
2,233,579
FABRICATED PACKING
Thomas A. Bowers, Boston, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application March 26, 1938, Serial No. 198,263
10 Claims. (Cl. 309—44)



1. A packing ring comprising a composite annular body made up of a plurality of resilient sheets disposed upon their edges and having their inner ends secured together to form a fixed inner perimeter for the ring.

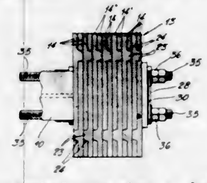
2,233,580
INNER COVER FOR ANNEALING FURNACES
Will A. Breedon, Bratenahl, Floyd A. Garman, Cleveland, and Frank W. Lorig, Lakewood, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application January 16, 1940, Serial No. 314,154
1 Claim. (Cl. 263—49)

An inner cover for use in enclosing articles in an annealing furnace comprising a metallic base plate having substantially a rectangular opening centrally arranged therein so as to provide an apron-like portion therearound, an open-bottomed light-weight substantially rectangular shaped hood superimposed on said base plate over said opening therein having its lower edges securely welded to the inner edges of the rectangular opening in said base plate, said hood having end walls, a top wall and continuously corrugated side walls, said base plate having a plurality of slots arranged therein at spaced apart intervals along the sides of said hood extending from the inner edges of the rectangular opening therein outwardly to a point intermediate the width of the apron-like side portions thereof with the corrugated side walls of said hood having a corresponding number of slots arranged therein between the corrugations directly opposite from those in the base plate with each of these slots extending upwardly from the bottom edge of the hood to a point intermediate the height of the side walls thereof, and an expansible web member having substantially a U-shaped cross section disposed over each of both the slots in the apron-like portions of the base plate and said



side wall of the hood with the edges of the web member securely welded to the edges of both the slots in the base plate and the slot in the side wall of the hood thereby enclosing both of said slots by a common means so as to provide an expansible inner joined edge between the base plate and the hood, thus permitting the inner part of the apron-like portions and the side walls of the hood to freely expand and contract relative to the outer part of the apron-like portions without distortion of the cover.

2,233,581
COUNTERBALANCE
Leland F. Burnham, Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application May 26, 1939, Serial No. 275,881
16 Claims. (Cl. 74—590)

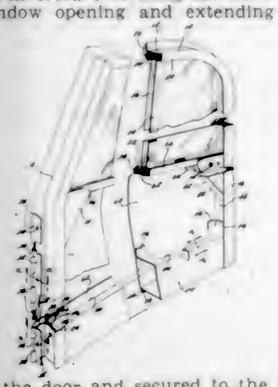


1. In a counterbalance for a beam of the character described, the combination of: an abutment securable to the rearward portion of the beam; and a counterweight element to be placed adjacent the inner face of said abutment comprising weight members formed so as to be placed on said beam from opposite sides thereof, each of said weight members having an upper wing which extends across the upper face of said beam and a lower wing which extends across the lower face of said beam, said weight members having parts which interlock so as to prevent lateral movement of said weight members when the same are in face to face engagement on said beam.

2,233,582
DOOR
Noble C. Clark, Pleasant Ridge, and Bernard W. Benz, Detroit, Mich., assignors to The Murray Corporation of America
Application July 16, 1938, Serial No. 219,564
10 Claims. (Cl. 296—44)

1. A sheet metal door comprising body and border defining members, said body member being a single panel member shaped to provide a window ledge and extending to the bottom of

the door, and said border member being in the form of an inverted U forming the sides and top of the window opening and extending to the



bottom of the door and secured to the sides of said panel member outwardly of the marginal edge thereof to be exposed on the door face.

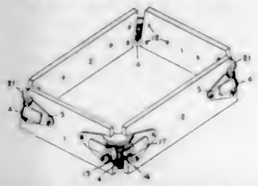
2,233,583
MONOAZO DYESTUFFS
Wilfrid Herbert Cliffe and Arthur Howard Knight, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 18, 1938, Serial No. 208,708. In Great Britain May 26, 1937
9 Claims. (Cl. 260—162)

1. Dyestuffs represented by the formula:



in which X is a long chain aliphatic hydrocarbon radical having 10–20 carbon atoms, Y is a radical of the benzene series, and E is a component devoid of long chain aliphatic hydrocarbon radicals and from the group consisting of naphthol-disulfonic acids, naphthol-trisulfonic acids, N-acidyl-1:8-amino-naphthol-disulfonic acids, and sulfo-aryl-pyrazolones.

2,233,584
RESILIENT JACKET
David A. Collings, Cleveland, Ohio, assignor, by mesne assignments, to Hazel K. Hines, Lakewood, Ohio
Application July 31, 1939, Serial No. 287,589
4 Claims. (Cl. 22—112)

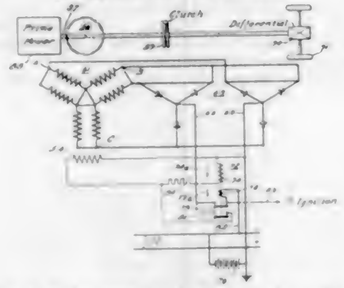


1. A foundry jacket comprising a plurality of walls arranged to form a polygonal structure having open corners, and spring connections between adjacent wall ends bridging each corner, said connections each comprising a coiled spring having ends formed in substantially vertical planes at the corner angle of the polygon, a pad cast on each of said ends, said pad having an inner face secured to the back of one of said walls normally to fix the horizontal and vertical angular relation of the walls which are connected by the spring connection.

2,233,585
GRINDING MATERIAL
Charles H. Commons, Jr., Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 11, 1940, Serial No. 360,791
16 Claims. (Cl. 51—308)

1. As a grinding material, a finely-divided composition containing zirconium silicate, clay, and an auxiliary flux.

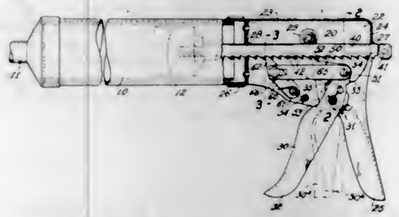
2,233,586
AUTOMOTIVE GENERATING SYSTEM
Frank Conrad, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 21, 1938, Serial No. 230,981
17 Claims. (Cl. 171—314)



1. In a self-propelled transportation-device, a variable-speed prime mover, and propelling-means energized from said prime mover, a commercially practicable combination including means for converting only a small portion of the prime-mover output into electrical energy, said means comprising a wheel carried by the prime-mover shaft and having a diameter corresponding approximately to a diameter suitable for a flywheel for said prime mover, said wheel having an annular toothed portion of magnetizable material, a casing substantially enclosing said wheel, said casing having a small portion thereof bulging away from said wheel, a relatively small salient-pole stator-member mounted in said bulged portion of the casing, said stator-member spanning much less than the entire periphery of said annular toothed wheel-portion, magnetizing means associated with said stator-member, said stator-member having a portion thereof spaced from the annular toothed wheel-portion by an air gap, said portion of the stator-member being of magnetizable material and having teeth spaced approximately 2N times closer together than the wheel-teeth, N being an integer larger than 2, an N-phase winding-means so disposed on the stator-teeth as to produce N-phase voltages dependent upon tooth-flux pulsations, the slots between the stator-teeth being only wide enough for a single winding-conductor with the necessary insulation, the stator tooth-pitch being between 0.10 inch and 0.21 inch, the number of wheel-teeth being at least 35, a rectifying-means associated with

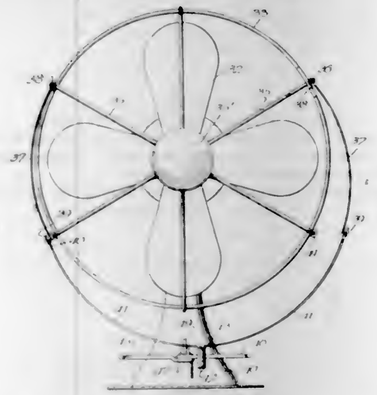
said N-phase winding-means, and an auxiliary-service direct-current circuit for receiving the output of said rectifying-means, said direct-current circuit including a floating storage battery.

2,233,587
CALK GUN
Samuel Crewe, East Cleveland, Ohio
Application April 5, 1940, Serial No. 328,065
17 Claims. (Cl. 74—169)



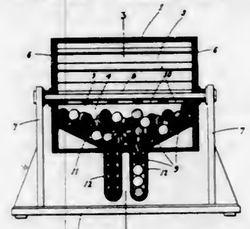
1. A ratchet mechanism, comprising in combination, a handle member, an operating lever pivoted to the handle member, a ratchet-bar movable through the handle member, a pawl member mounted on the operating lever engageable with the ratchet-bar, a dog member mounted on the handle member engageable with the ratchet-bar, and a slotted arm on the lever member for disengaging the said dog member.

2,233,588
FAN
James D. Crook, Asheville, N. C.
Application August 18, 1938, Serial No. 225,621
15 Claims. (Cl. 230—256)



1. In combination with an oscillatory fan and a skeleton guard therefor, valve members mounted on said guard at opposite sides of the same for shutting off the flow of air into the guard, connecting means between said valve members arranged to oscillate with said fan and being so constructed as to hold one or the other of said valve members against the guard and the other one away from the guard, and control means positioned for engagement by said connecting means at the end of each stroke of oscillation for reversing the relative positions of said valve members with regard to said guard, thereby causing the fan to oscillate.

2,233,589
GAME DEVICE
Frank H. Dean, Stockton, Calif.
Application October 16, 1939, Serial No. 299,657
1 Claim. (Cl. 273—144)



A game device comprising a container, means mounting the container for rotation about a horizontal axis, a plurality of separate objects of substantially equal size enclosed in the container, certain ones of said objects having characteristics different from the remainder, a tube open to and projecting from one wall of the container in a plane at right angles to the axis of rotation, the tube being closed at its outer end and of a size to hold only a few of said objects and of a nature such that the objects therein are visible from the outside and a transverse longitudinal partition in the container disposed substantially at right angles to the axis of the tube, said partition having openings therethrough each of a size to receive only a single object whereby to retard the dropping of the objects into the tube when the container is rotated from an initial position in which the tube extends upwardly to a position in which the tube extends downwardly.

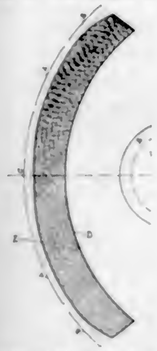
2,233,590
MANUFACTURE OF ALIPHATIC KETONE-DIARYLAMINE ANTIOXIDANTS
Charles S. Dewey, Cheshire, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 9, 1937, Serial No. 178,969
6 Claims. (Cl. 260—65)

1. A method of producing a pulverizable solid aliphatic ketone-diarylamine antioxidant which consists in autoclavicly reacting together at least one molecular proportion of an aliphatic ketone with one molecular proportion of a diarylamine consisting solely of amine and aromatic radicals, in the presence of an acidic condensation catalyst, at a temperature in the range between 110° C. and 200° C., and under pressure greater than atmospheric, and subsequently purifying the reaction product of catalyst and any starting reagents.

2,233,591
SOFT EFFECT SCREEN LENS
Jenö Dulovits, Budapest, Hungary
Application September 17, 1938, Serial No. 230,420
In Germany September 24, 1937
3 Claims. (Cl. 88—57)

1. A soft effect screen lens having a meniscus form with smooth front and back faces, one of which is substantially spherical so as to have a substantially uniform curvature throughout its area, while the other face comprises three axially concentric zones of different curvatures, viz.—a spherical intermediate zone which is concentric to the opposite spherical face so as to determine

an infinite focal length, an aspheric zone situated outwardly, and another aspheric zone situated inwardly of said intermediate zone, one of said aspheric zones being less sharply curved than said spherical intermediate zone and having a longest radius of curvature from one-half to six



per cent. longer than the radius of said spherical intermediate zone, and the other of said aspheric zones being more sharply curved than said spherical intermediate zone and having a shortest radius of curvature from one-half to seven per cent. shorter than the radius of said spherical intermediate zone.

2,233,592
RESILIENT SHEET
Leonid A. Dunajeff, New York, N. Y., assignor to Commercial Ingredients Corporation, New York, N. Y.
Application July 21, 1938, Serial No. 220,490
2 Claims. (Cl. 29—180)



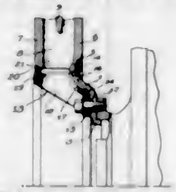
1. A sheet of imperforate material rendered simultaneously stretchable in all directions by being folded into a plurality of groups of hexagonal corrugations, the corrugations following paths of varying directions.

2,233,593
GALVANIC BATTERY
Albert I. Eddy, Hillside, and Ernest O. Jegge, Glen Ridge, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application August 10, 1937, Serial No. 158,338
1 Claim. (Cl. 136—121)



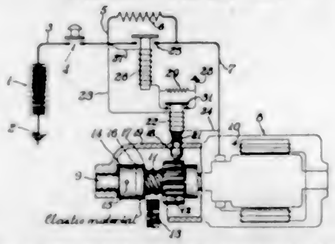
A depolarizer electrode element for a combination air-depolarizable and chemical-depolarizable battery cell, said element comprising an intimate mixture of solid air-depolarizing and chemical-depolarizing materials consisting respectively of substantially one part by weight of acetylene soot and substantially fifteen parts by weight of copper oxide, said element being initially liquid-repellent and gas-permeable and having such an amount of each of said materials that when the same is properly incorporated in such a cell, it is adapted during substantially the entire rated life of the cell, to operate substantially wholly on the air-depolarizing principle without appreciable consumption of the copper oxide whenever and so long as the cell is discharged under conditions of temperature and of current discharge rate favorable to air-depolarizing operation of the cell and to operate substantially wholly on the chemical-depolarizing principle whenever and so long as the cell is discharged under either a temperature or current discharge rate condition favorable to chemical-depolarizing operation and unfavorable to air-depolarizing operation.

2,233,594
BRAKE DISK
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 31, 1939, Serial No. 276,579
13 Claims. (Cl. 188—218)



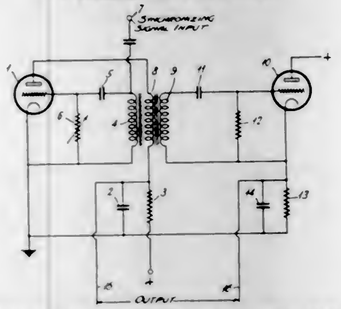
1. A brake disk comprising a central web and a pair of spaced brake rings carried thereby, said rings being connected to one another at intervals by braces, and a third ring interposed between the brake rings, all the rings and braces being integral with one another.

2,233,595
TWO-STAGE STARTER CONTROL
Manuel H. Elkin, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 8, 1939, Serial No. 293,999
7 Claims. (Cl. 290—38)



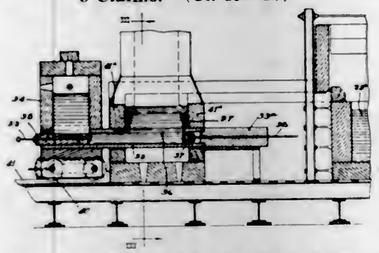
1. In a two-stage starting system for internal combustion engines, a starting circuit including a battery, a starting switch, a starting motor and a resistor in series therewith for reducing the voltage of the battery initially applied to the motor, starter gearing for connecting the motor to a member of the engine to be started including a pinion movable longitudinally into engagement with the engine member by initial rotation of the motor, a detent for opposing rotation of the pinion to insure its traversal into operative position, means normally maintaining the detent in retracted position, a solenoid connected in shunt with said resistor for moving the detent into operative position upon closure of the starting switch, and means including a bridging switch for short-circuiting the resistor and solenoid after the pinion has moved into engagement with the engine member.

2,233,596
THERMIONIC VALVE OSCILLATORY CIRCUITS
Charles Leslie Faudell, Brentford, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application July 7, 1937, Serial No. 152,311
In Great Britain July 17, 1936
2 Claims. (Cl. 250—36)



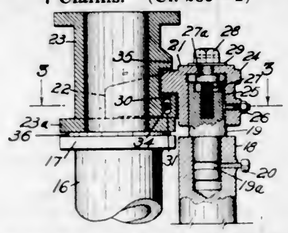
1. Means for producing push-pull saw tooth oscillations comprising a first and a second condenser in series with a connection point therebetween connected to ground and an output circuit connected across the two condensers in series, means for charging said first condenser substantially linearly, means for discharging said first condenser, means responsive to the operation of said discharge means for charging said second condenser and means for discharging said second condenser substantially linearly.

2,233,597
APPARATUS FOR MAKING COLORED SHEET GLASS
John H. Fox, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application January 6, 1938, Serial No. 183,650
3 Claims. (Cl. 49—17)



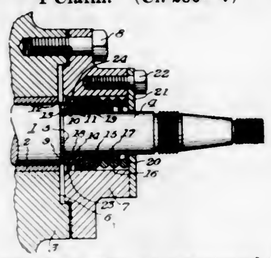
1. Apparatus for making a glass sheet, comprising a forehearth for a glass bath, means above the bath for drawing a glass sheet continuously therefrom with the line of draw thereof transverse to the forehearth, a draw-bar beneath the line of draw having a vertical slot therethrough in parallel with said line of draw and opening downwardly through the bottom of the forehearth, a tubular delivery member beneath the forehearth having an outlet slot registering with the slot through the forehearth bottom, a container adapted to carry a body of molten colored glass lying at one side of the forehearth and communicating at its lower end with the delivery member, means for removing the tubular delivery member and container in communication therewith from registration with respect to the vertical slot in the draw-bar, and means for closing the vertical slot through the draw-bar when the tubular delivery member is removed therefrom.

2,233,598
STANDPIPE CONNECTION FOR PUMPS
William E. Geer and Elmer R. Wilfley, Denver, Colo., assignors to A. R. Wilfley and Sons Inc., Denver, Colo., a corporation of Colorado
Application March 4, 1940, Serial No. 322,146
7 Claims. (Cl. 285—1)



1. In apparatus of the character disclosed, a pump frame, a casing having a discharge opening removably mounted upon the frame, a pin rotatably mounted on the pump frame, a yoke carried upon the pin, and a flanged sleeve engaged by the yoke and positioned in alinement with the said discharge opening.

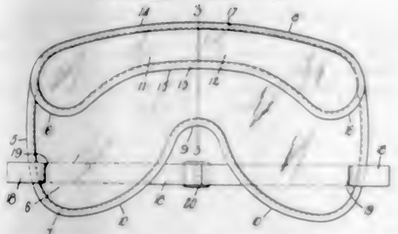
2,233,599
SEALING MEANS
Walter Gilbert, Sr., Johnstown, Pa., assignor to Syntron Company, Homer City, Pa., a corporation of Pennsylvania
Application June 11, 1938, Serial No. 213,199
1 Claim. (Cl. 286—7)



In combination with an apertured housing, a rotatable shaft extending into said housing, a shoulder on said shaft having a radial abutment face exposed to the interior of said housing, a sleeve surrounding said shaft within said housing, said sleeve having a radial abutment face adjacent said shoulder and an inclined wall spaced therefrom, a ring of unctuous solid material seated in one of said faces and adapted to engage the other face, a plurality of separate preformed rings of packing material surrounding said sleeve, a spring urging said packing rings

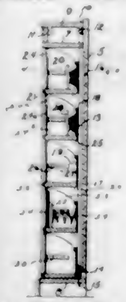
toward said wall so that they are axially deformed to a condition for resisting movement of said sleeve away from said shoulder, said spring also maintaining said ring of unctuous solid material engaged with said shoulder face, and a fluid pressure chamber between said inclined wall and the adjacent packing ring, the pressure in said chamber reacting against said sleeve to further oppose relative separation of said sleeve and shoulder.

2,233,600
EYESHIELD
Myer M. Glasberg, Revere, Mass.
Application May 18, 1940, Serial No. 335,904
3 Claims. (Cl. 2—12)



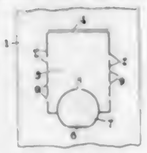
1. An eyeshield having, in combination, a normally flat transparent main shield member provided with an arcuate upper edge, a normally flat auxiliary shield member positioned at the rear of said main shield member in parallel relation therewith and provided with an arcuate upper edge of the same curvature as the upper edge of said main shield member, said members being hinged one to another at their corresponding arcuate edges, whereby said auxiliary shield member will swing upwardly automatically to contact an edge thereof with the forehead of the wearer when side portions of the main shield member are sprung rearwardly upon application to the face of said wearer, and means to attach the main shield member to the head of the wearer.

2,233,601
DISPLAY AND DISPENSING RACK
Errol D. Goodfellow, Miami, Fla.
Application May 27, 1940, Serial No. 337,521
7 Claims. (Cl. 312—62)



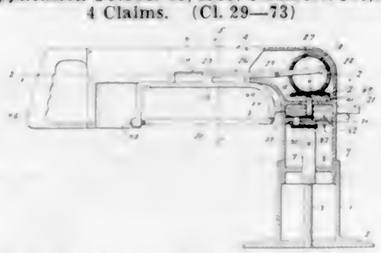
1. In a folder dispensing device of the character described the combination with a frame comprising a pair of spaced vertical side walls, of a plurality of bins mounted therein, said bins comprising bottom, front, side and rear walls, said bins being disposed in a plurality of superimposed rows and being pivotally mounted at the lower front portions of their bottoms for rocking into and out of the frame, means within each of said bins for yieldably thrusting a stack of folders toward the front wall of the bin, the side walls of the bin being of such height as to lie relatively close to the bottom of the bin next thereabove and the front wall of the bin terminating a material distance short of the top of the side walls of the bin to thereby permit the inspection and grasping of the foremost folder and its easy withdrawal over the top of said front wall.

2,233,602
CARDBOARD OR LIKE BOX OR CONTAINER
Joseph May Greeley, Southall, England, assignor to The Quaker Oats Company, Chicago, Ill.
Application January 28, 1939, Serial No. 253,453
In Great Britain February 11, 1938
9 Claims. (Cl. 229—7)



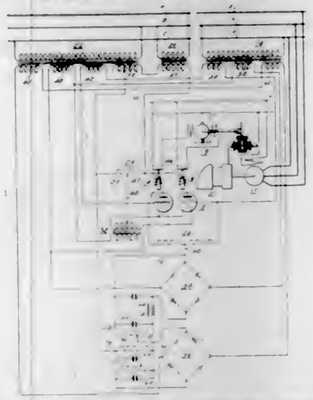
1. In combination with a cardboard container, a pouring flap integral with one wall of the container and outlined along one side by a crease line about which the flap is hinged to the container wall and along its other sides by aligned perforations, and a frangible pilot closure located over a pilot aperture partly in the container wall and partly in the pouring flap to enable a finger to be inserted through said aperture behind the pouring flap to open the flap outwardly upon its hinge when the closure has been ruptured.

2,233,603
POWER DRIVEN HACK SAW
John Henry Guiltman, Spokane, Wash.
Application October 18, 1939, Serial No. 300,056
4 Claims. (Cl. 29—73)



1. A hack saw comprising a base, a frame supported for vertical movement on the base and including a horizontal part, a saw carrier supported for horizontal movement under the horizontal part, a blade carried by the carrier, means for reciprocating the carrier and at the same time moving the frame downwardly to bring the blade against the piece to be cut, and means for automatically raising the blade out of cutting position on one stroke of the carrier and returning it to cutting position for the next stroke, the latter means including a horizontal part in the frame having a substantially semicircular groove therein, a rotary member forming part of the means for moving the frame downwardly and a cam on said rotary part for engaging the groove for a part of the revolution of the rotary member and then engaging the horizontal member for the rest of the revolution and spring means for moving the horizontal part, and therefore the frame, upwardly, to cause the cam to engage the groove.

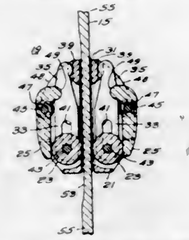
2,233,604
AUTOMATIC SPEED MATCHER
Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 26, 1938, Serial No. 242,513
10 Claims. (Cl. 171—119)



1. In a speed control system for causing the frequency of an alternating-current generator to match a substantially constant frequency, means including a first relay for increasing the generator speed, means including a second relay for decreasing the generator speed, an electric discharge device having principal and control electrodes connected to control the energization of each of said relays, and electrical means for applying such potentials to said discharge devices as will cause selective actuation of said relays in accordance with the differential between the fixed frequency and the generator frequency, said electrical means comprising, means for applying first potentials of opposite polarities proportional to the instantaneous difference of the potentials of the generator and the fixed frequency to the control electrodes of the respective discharge devices, means for applying a second potential proportional to the instantaneous difference of the potentials of the generator and the fixed frequency rectified to the control electrodes of said discharge devices in series circuit relation with said first potentials, and means for applying a third potential proportional to the rate of change of said second potential to the control electrodes of said discharge devices in series circuit relation with said first and second potentials.

2,233,605
CIRCUIT INTERRUPTER
Franz Günther, Berlin-Wilmersdorf, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 22, 1938, Serial No. 241,769
In Germany December 23, 1937
15 Claims. (Cl. 200—163)

1. In a circuit interrupter, a switch member movable in one direction to closed position and in an opposite direction to open position, contact means comprising a contact roller engageable with said switch member, and a brake member engageable with said roller, said switch member having a portion of reduced cross-section, said roller engaging the reduced portion of said switch member during a predetermined part of the movement of said switch member to



offer only a relatively small resistance to movement of said switch member, and engaging the non-reduced portion of said switch member as said switch member approaches one end of its movement to cause said brake member to effect pressure engagement with said roller and exert a braking effect on said switch member.

2,233,606
PROCESS FOR THE CRYSTALLIZATION OF GLYCERIN
Henry B. Hass, West Lafayette, Ind., assignor to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application May 2, 1939, Serial No. 271,344
9 Claims. (Cl. 260—637)

1. In a process for purifying impure glycerin, the steps which comprise incorporating glycerin crystals in a solution of said impure glycerin in a solvent medium which is chemically inert to glycerin and which does not form solid solutions with glycerin, said solvent medium comprising essentially a non-aqueous solvent for glycerin, at a temperature below the freezing point of pure glycerin and above the freezing point of the eutectic mixture of glycerin and said solvent, the concentration of glycerin in said solution being such that the partial vapor pressure of the dissolved glycerin exceeds the vapor pressure of crystalline glycerin at said temperature, permitting crystalline growth to take place at said temperature, and separating the resulting crystalline glycerin from the mother liquor.

2,233,607
ESTER OF NITRO ALCOHOL
Henry B. Hass, West Lafayette, Ind., and Byron M. Vanderbilt, Cranford, N. J., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application May 1, 1940, Serial No. 332,690
1 Claim. (Cl. 260—488)

2-Methyl-2-nitro-1-butyl acetate.

2,233,608
CELLULAR GLASS AND PROCESS OF MANUFACTURE THEREOF
Elmer H. Haux, Tarentum, and William O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Application December 28, 1937, Serial No. 182,168
4 Claims. (Cl. 49—77)

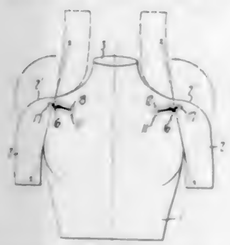
1. A process of manufacturing cellular glass

which comprises forming a mixture of molten glass and a granular porous material, subsequently adding a gas to the mixture from a source extraneous of the porous material to produce an expanded cellular body, and cooling the cellular body said cellular body containing the porous material permanently embedded therein.

2,233,609
PATTERNED FABRIC AND PROCESS FOR PRODUCING SAME
Georg Heberlein, Wattwil, Wanne, and Albert Bodmer, Wattwil, Speerweg, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 10, 1937, Serial No. 147,480. In Germany July 21, 1936
3 Claims. (Cl. 8—115)

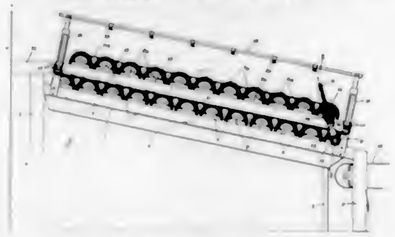
1. Process for producing a patterned effect which comprises printing in a pattern, on a cellulose-containing fabric, an adherent composition containing a nitrogenous organic binder with a pigment incorporated therein, said composition when dried being substantially resistant and impermeable to an "acid parchmentizing agent" for the time required by such agent to transparentize the cellulosic fibers in the unprinted portions of the fabric, drying said printed composition and transparentizing said cellulosic fibers of the unprinted portions by passing the printed fabric through an "acid parchmentizing agent" so that cellulosic fibers in said unprinted portions of the fabric are transparentized while such fibers in the printed portions are unaffected by the said parchmentizing agent, thereby producing a washproof pigment print effect wherein an improved contrast and demarcation is obtained between said transparentized portions and the non-transparentized printed portions, due to the full natural opaqueness of the untransparentized fabric therein plus the opaqueness of the pigmented printing composition, and the fabric is of about the same stiffness throughout.

2,233,610
DRESS FORM
M. Frances Henry, San Francisco, Calif., assignor of one-half to Utility Packages, Incorporated, New York, N. Y., a corporation of New York
Application July 18, 1939, Serial No. 285,098
5 Claims. (Cl. 223—68)



1. A dress form comprising a bust portion, neck, shoulders and upper arm portions, said arm portions being normally positioned vertically at opposite lateral sides of said bust portion and terminating at their upper end surfaces substantially flush with the upper surfaces of the shoulders, means adjacent the upper end of each of the upper arm portions pivotally suspending said arm portions, respectively, in downwardly extending positions from said bust portion for swinging to positions extending upwardly and over the bust portion and to within the upwardly projected area over said bust portion between said sides, said means including a pair of pivots disposed adjacent the upper ends of each of the arm portions, one pivot of each pair being secured to the bust portion and the other pivot of each pair being secured to the upper end of one of the arm portions and means connecting the pivots of each pair.

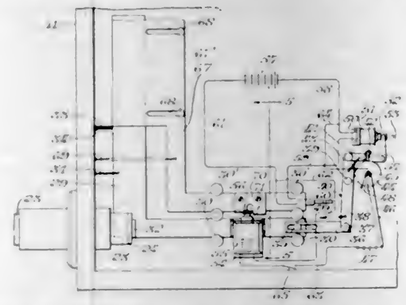
2,233,611
FRUIT AND VEGETABLE WASHER
Dale G. Hollenbeck, Stockton, Calif., assignor to Thornton Canning Co., Thornton, Calif., a corporation of California
Application May 24, 1939, Serial No. 275,392
1 Claim. (Cl. 146—202)



In a produce washer including cooperating upper and lower banks of rotary brushes having axial shafts, means mounting said banks for relative vertical movement to alter the spacing therebetween, means connecting all the brushes of each bank in driving relation, drive means applied to one brush of one bank, the brushes of the upper and lower banks being parallel and in staggered relation, and drive means between extended shafts of corresponding brushes of said upper and lower banks arranged for operation irrespective of the spacing between said banks; said drive means comprising a bevel gear fixed on each of said extended shafts, other bevel gears meshing with said fixed bevel gears, a common shaft on which said other bevel gears are mounted, said shaft extending to a point a substantial distance beyond one of said other bevel gears, said one gear being slidable but non-rotatable on said common shaft and the other one of said other gears being fixed on said common shaft, and right angle guide brackets each having one leg thereof turnably mounted on one of said extended shafts and said common shaft extending through both of the other legs of said guide brackets, said other legs of the guide brackets maintaining said other bevel gears in mesh with the corresponding ones of said fixed gears.

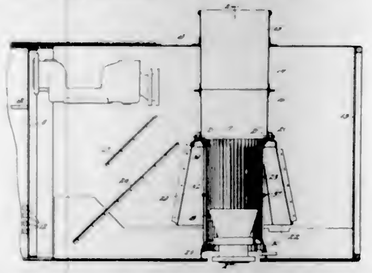
2,233,612
BALL ROLLING GAME
Donald E. Hooker and Frank G. Nicolaus, Chicago, Ill., assignors to Raymond T. Moloney, Chicago, Ill.
Application May 17, 1940, Serial No. 335,658
12 Claims. (Cl. 273—125)

3. For a ball rolling game having a cabinet carrying a table sloped slightly from the horizontal over which balls are rollable to an "out" pocket formed in the table to receive a predetermined number of spent balls; a plurality of shuffle plates disposed slidably below the pocket to support the balls therein, means to couple said plates together to move same conjointly to drop all of said balls through the table, and optionally operable means to uncouple one of said plates for independent movement to drop less



than all of the balls from the pocket through the table.

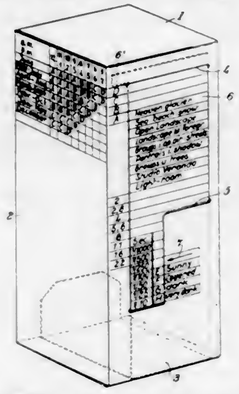
2,233,613
SPARK ARRESTER (LOUVERED)
William F. Kiesel, Jr., Hollidaysburg, Pa.
Application March 15, 1938, Serial No. 196,075
14 Claims. (Cl. 110—122)



1. A spark arrester assembly for locomotives comprising in combination, a smoke box, a smoke stack extending through a wall thereof, an exhaust nozzle at the bottom thereof, a reticulated, tubular member adapted to be mounted within the smoke box as a continuation of the smoke stack and to extend around and below the exhaust nozzle, said member being formed of a plurality of louver blades extending lengthwise of the stack and a flaring petticoat closely fitting the lower end of said stack surrounding the upper portion of said tubular member and spaced therefrom radially.

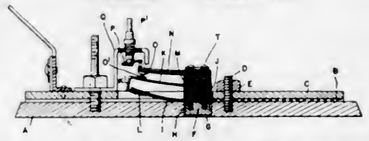
2,233,614
CASING FOR PHOTOGRAPHIC APPLIANCES
Heinz Krotoschiner, Berlin, Germany
Application January 10, 1938, Serial No. 184,209
In Germany January 11, 1937
8 Claims. (Cl. 95—10)

1. In a packaging device for films, two coacting film accommodating members, one of said members forming the major, essentially stationary portion of a film receptacle, while the other member constitutes the operative, complemental portion thereof, both members bearing correlated intelligence pertaining to exposure requirements for the film intended to be packed in the device, the members being movable relative to one another for bringing the intelligence of one member to the proper setting in respect to the intelligence of the other member, in accordance with and corresponding to prevailing light conditions, the combined setting of the intelligence of both members providing a final reading which indi-



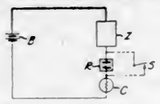
cates the correct exposure requirements for the film at such prevailing light condition.

2,233,615
ELECTRICALLY HEATED LAUNDRY IRON
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application June 19, 1939, Serial No. 279,978
7 Claims. (Cl. 219—25)



5. An electrically heated laundry iron comprising a metallic base, a member formed of a material having a substantially higher coefficient of thermal conductivity extending through said base into proximity to the working surface thereof, an electrical heating unit adapted to heat the upper surface of said base, and a thermostatic control for said unit in thermally conductive relation to said member.

2,233,616
RELAY CONTROL DEVICE
Anthony H. Lamb, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application March 10, 1939, Serial No. 261,149
22 Claims. (Cl. 175—320)



1. In a control system, the combination with a controlled circuit including in series as circuit elements thereof a source of current, a current-responsive device, voltage-inducing means, and a coherer having a normal resistance precluding appreciable current flow in said circuit, of means for establishing a flow of current through said current-responsive device, said means consisting of a primary control circuit shunted across one of said circuit elements for establishing an

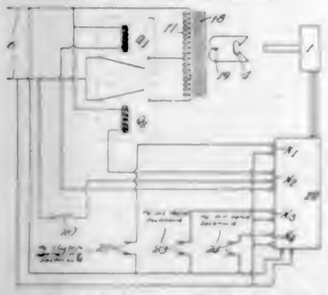
initial current flow through said voltage-inducing means, whereby the interruption of said initial current flow produces an induced voltage discharge through said coherer to reduce the resistance thereof.

2,233,617

RESISTANCE WELDING APPARATUS

David Amphlett Lamb, Westminster, London, England, assignor to American Chain & Cable Company Inc., New York, N. Y., a corporation of New York

Application June 1, 1937, Serial No. 145,769
In Great Britain June 2, 1936
7 Claims. (Cl. 219—4)



1. The method of controlling a welding function of an electric welding machine in welding a joint which comprises passing a welding current through the joint to be welded to heat the joint to a predetermined temperature, and using radiant energy from the heated joint in predetermined relation of visible radiation to radiation of the infra-red category to control the function of the machine.

2,233,618

SAFETY WELDING ELECTRODE HOLDER

Harold B. Leach, Chicago, Ill., assignor to Electric Arc Cutting & Welding Company, Newark, N. J., a corporation of New Jersey

Application January 6, 1940, Serial No. 312,631
11 Claims. (Cl. 219—8)



10. A safety welding electrode handle, including a pair of completely telescopic tubes of suitable insulating material, fixed and movable jaws carried within said tubes for gripping an electrode the greater portion of the length of the jaw carried by the inner tube lying within the confines of the outer tube, means for supplying current to one of said jaws, and means within the tubes for producing relative rotation between the tubes, when manual forces are applied to the exterior of the tubes, to bring the jaws into gripping position with an electrode.

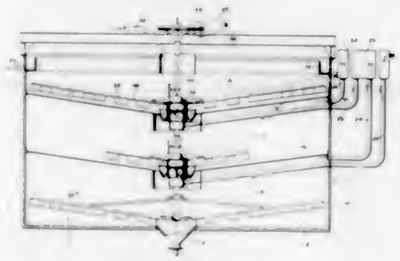
2,233,619

THICKENING APPARATUS

Harry A. Linch, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application January 10, 1939, Serial No. 250,098
15 Claims. (Cl. 210—55)

1. In an apparatus for settling solids from a liquid solids suspension, a tank structure having transverse compartment bottoms dividing said tank structure into superposed compartments comprising a lower compartment and an upper compartment immediately above the lower compartment and having a centrally disposed bottom opening connecting it with the lower compartment, each compartment adapted to have solids settle therein to form a zone of sludge, each compartment having means for overflowing supernatant liquid, and also having sludge sealing means associated with said opening between the upper and the lower compartment and adapted to prevent passage through said opening of clarified liquid from the lower into the upper compartment, said sealing means comprising an upcast boot extending from said opening, and a hood member surrounding said boot and constituting part of the rotary solids raking assemblage hereinafter mentioned, said hood member having unitary therewith solids engaging means extending from the inner faces



thereof and adapted to lift and transfer over the top edge of said boot, solids collected by said raking assemblage incident to the rotation thereof, a solids raking assemblage comprising a vertical rotary element and solids conveying means extending from said rotary element and effective to convey settled solids towards the center of rotation and into the range of action of said solids engaging lifting and transferring means, means for feeding a liquid solids mixture into the upper compartment and adapted to cause said sludge to build up therein which sludge is adapted to be displaced through said sealing means into the lower compartment against and over the hydraulic pressure in the lower compartment, which pressure in turn is defined by the overflow level of said lower compartment relative to the overflow level of the upper compartment, and means for introducing a liquid diluent for mixture with thickened material being transferred from the upper to the lower compartment.

2,233,620

PROCESS FOR IMPROVING THE THERMAL STABILITY OF NITROPARAFFINS

Samuel B. Lippincott, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application October 9, 1939, Serial No. 298,713
11 Claims. (Cl. 202—57)

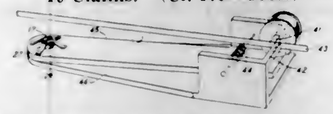
1. A process for improving the thermal stability of nitroparaffins, which comprises incorporating therewith a boric acid compound of the class consisting of orthoboric acid, the polyboric acids, boric anhydride, the easily-hydrolyzable esters of boric acid, and the easily-hydrolyzable boric acid salts of the amphoteric metals.

2,233,621

POLE-PIECE ASSEMBLY FOR TELEGRAPHONES

Clarence A. Lovell, Maplewood, and Arno H. Muller, Wood-Ridge, N. J., and Dean E. Wooldridge, Jackson Heights, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 13, 1939, Serial No. 284,174
10 Claims. (Cl. 179—100.2)



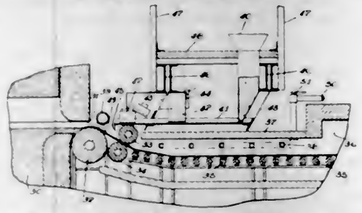
1. In a telegraphone, a magnetic tape, a pair of pole-pieces having relatively movable pole faces contacting opposite sides of the tape and wing extensions integral with the pole-pieces and forming between them a yoke of low reluctance as compared with the reluctance between the pole faces.

2,233,622

DECORATIVE GLASS AND METHOD OF PRODUCING THE SAME

William O. Lytle, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application April 14, 1938, Serial No. 201,960
8 Claims. (Cl. 49—79)



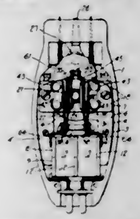
1. A process of making decorative glass having a metallic film upon its surface which comprises applying a layer of metallic oxide upon the red-hot surface of a sheet of glass as it is passed through a horizontal rolling machine, and maintaining a reducing atmosphere in said machine whereby said oxide is reduced and said glass sheet has a metallic film integrally formed thereon.

2,233,623

SHAVER MOTOR

John D. Miner, Jr., and Harry D. Else, Lima, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 18, 1938, Serial No. 235,599
16 Claims. (Cl. 172—36)



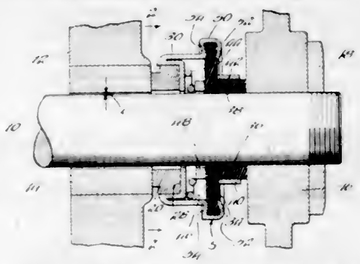
1. A machine comprising a frame member, a shaft rotatably mounted therein, a cam means on the shaft, and an electrical contact mechanism comprising a pair of resilient contact-arms disposed on opposite sides of said cam means, and a pair of supporting members disposed outside of said pair of resilient contact-arms for respectively supporting the latter, said contact-arms having normally engaged contacts at a first end thereof and having intermediate portions adapted to be periodically engaged by said cam means to periodically separate said contacts during the rotation of said shaft, said cam means having approximately diametrically opposite raised surfaces, each supporting member comprising a main arm-portion, a fixed supporting portion at one end secured to said frame member, and a free end-portion at the other end secured to a second end of its associated contact-arm, said main arm-portion being disposed at a small angle with respect to its associated contact-arm, each supporting member being stiffly bendable, to adjustable angular positions toward and away from its associated contact-arm, at a point at, or close to, said supporting-portion to adjust the position of said free end-portion relatively to the shaft, said free end-portion of each supporting member being stiffly bendable to adjustable angular positions relative to said main arm-portion to adjust the angular inclination of said second end of said associated contact-arm relatively to said shaft and cam means.

2,233,624

BEARING SEAL

Charles D. Magnesen, Chicago, Ill., assignor to Magneseal Company, a corporation of Illinois

Application December 12, 1938, Serial No. 245,143
3 Claims. (Cl. 286—11)



1. In a sealing assembly for preventing a flow of fluid along the surface of a cylindrical shaft, a cyclindrically shaped housing adapted to loosely encircle said shaft, said housing formed of sheet metal bent back upon itself at one end to form a cup-shaped recess, a ring shaped bearing nose removably secured in said recess and held for rotation therewith and adapted to rest against an annular bearing surface, the other end of said housing secured to a resilient disc-like member having a sleeve portion adapted to be mounted for rotation with a cylindrical shaft, and a coiled spring member interposed between a wall of said housing and said disc-like member for yieldingly pushing said bearing nose outwardly to engage said bearing surface.

2,233,625

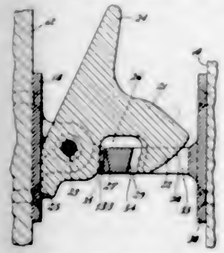
DOOR LATCH

Leonard A. Marquardt, Elmhurst, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application May 7, 1938, Serial No. 206,581
1 Claim. (Cl. 292—136)

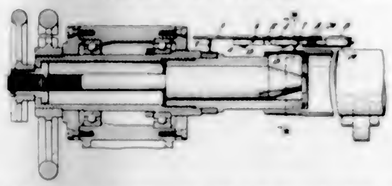
In a door latch for a hinged door member

adapted to be swung to open position against a wall member, the combination with a bracket secured to the outer side of one of said members, said bracket presenting a flat abutment face parallel to the plane of the door; of a latch element pivoted to said bracket for swinging movement on a horizontal axis, said latch element having an outstanding arm provided with a downturned hooked end; a flat abutment face on said latch element swingable into flat faced engagement with said abutment face of the bracket to limit movement of said latch element and normally



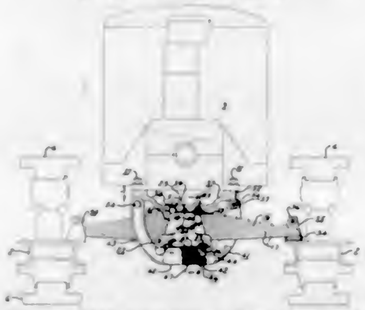
maintain said arm in horizontal position; an abutment face on said latch element below said arm and inwardly of said hooked end thereof, said last named abutment face being parallel to said second named abutment face; a keeper fixed to the other of said members, said keeper having an outstanding horizontally disposed eye portion with which said hooked end of the arm is engageable; and a vertical abutment face on the outer side of said eye portion engageable by said third named abutment face of said latch element in a plane below the horizontal plane of the pivotal axis of said latch.

2,233,626
GAUGE
Carroll W. McClure, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application October 20, 1939, Serial No. 300,464
1 Claim. (Cl. 33—199)



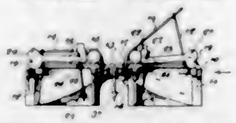
A device for measuring the deviation from parallelism of screw threads comprising a frame, a pair of spaced stationary thread-contacting elements carried by said frame, a movable thread-contacting element, said movable thread-contacting element being movable toward and away from said stationary thread-contacting elements and longitudinally of the thread axis, and an indicator operated by said movable thread-contacting element, said stationary thread-contacting elements being disposed symmetrically about a line passing through the center of said movable thread-contacting element, said movable thread-contacting element being capable of motion within the distances between the threads engaging the stationary thread-contacting elements and said movable thread-contacting element as the thread being tested is rotated in contact with said stationary thread-contacting elements and said movable thread-contacting element through 360 degrees.

2,233,627
EQUALIZER APPARATUS
Harry T. McDonald, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application May 13, 1939, Serial No. 273,493
9 Claims. (Cl. 305—9)



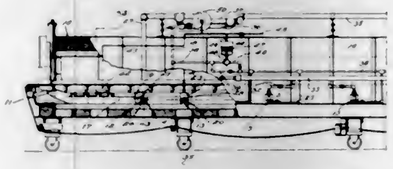
8. In equalizer apparatus of the type wherein a vehicle body is supported on spaced ground engaging means by main equalizer mechanism upon which said body rests for rocking movement, and said movement is adapted to be controlled by preloaded auxiliary equalizing means adapted to be held against said main equalizer mechanism and adapted to be connected to said tractor body; auxiliary equalizer mechanism constructed to maintain such preloading and preclude play in the connections to said tractor body to thereby preclude breakage of said main equalizer mechanism, comprising a block of rubber, and an integral bracket immovably secured to said body and clamping said block against said main equalizer mechanism.

2,233,628
MOUSETRAP
Richard Henry Francis Meik and Otto Alexander Meik, East Melbourne, Victoria, Australia
Application July 17, 1939, Serial No. 284,900
In Australia December 23, 1938
6 Claims. (Cl. 43—86)



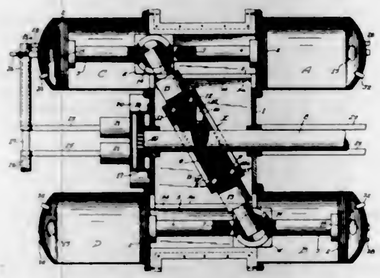
1. An improved trap of the choker type for the catching of mice, rats, and other rodents, comprising a casing having arched openings for the entry into said casing of the rodent, trapping members fitted on and within said casing, a unit of said trapping members consisting of a choker bow, finger press setting means carrying the said choker bow, a coil spring operating the finger press means, a tumbler lever freely anchored to and operating on the said casing, locking means incorporated with the said tumbler lever and coacting with the outer end of the finger press means, a trigger plate freely swung within said casing, and made with a slot wherethrough is threaded and carried the tumbler lever, and a further locking means near the inner end of the tumbler lever coacting with the said trigger plate.

2,233,629
APPARATUS FOR AND METHOD OF CONTROLLING TEMPERATURE IN LEHRS
Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application September 1, 1938, Serial No. 227,891
8 Claims. (Cl. 49—47)



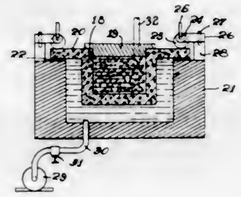
1. In a tunnel lehr, the combination with means, including a burner, constructed and arranged to apply heat directly to the interior of the ware-annealing tunnel of the lehr and to cause therein a circulation and recirculation of gaseous media tending to vary with the velocity of the flames and products of combustion from the burner, and means for projecting into such flames and products of combustion a stream of a gaseous medium of such character and direction of movement as to decrease the heating effect and to augment the gaseous media circulating effect in the ware-annealing tunnel of the flames and products of combustion produced by the burner.

2,233,630
ENGINE
Frederick H. W. Miller, Napa, Calif.
Application February 21, 1939, Serial No. 257,673
2 Claims. (Cl. 74—60)



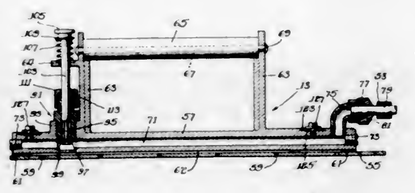
1. An engine comprising a shaft, a swash plate including a disc rigidly secured to the shaft and extending at an angle to the shaft axis, a ring rotatably mounted on the disc, there being a rotative connection throughout the entire adjacent circumferences of the disc and ring, radially-extending trunnions carried by the ring, sleeves having transverse bores for slidably and rotatably receiving the trunnions, cross-heads having bores for rotatably receiving the sleeves, parallel guides for slidably receiving the cross-heads, cylinders disposed at the ends of the guides and having their axes lying parallel therewith, pistons slidably mounted in the cylinders, and connecting rods rigidly connected to the pistons, one connecting rod of each pair of pistons being rigidly secured to its cross-head and the other connecting rod being pivotally secured to the same cross-head.

2,233,631
PROCESS OF MANUFACTURING CELLULAR GLASS
Robert A. Miller, Tarentum, and William O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application December 28, 1937, Serial No. 182,048
5 Claims. (Cl. 49—77)



5. A process of manufacturing cellular glass which comprises providing a body of molten glass in a mold, forcing a fluid through the mold and simultaneously therewith applying a vacuum over the upper surface of the glass to produce a plurality of cells dispersed throughout the molten glass.

2,233,632
WALL WASHING APPARATUS
Gunnar Moberg, Chicago, Ill., assignor, by mesne assignments, to Junius F. Cook, Jr., Hinsdale, Ill., as trustee
Application August 14, 1936, Serial No. 95,953
1 Claim. (Cl. 15—127)



In washing apparatus, a liquid applicator comprising a plate-like blade and a blade mount comprising a seat, spaced uprights forming a handle support, handle means extending between said spaced uprights, and means to secure the plate on said seat to form a liquid delivery chamber therebetween, said blade being formed with perforations therethrough connecting with said delivery chamber and opening on a surface of said blade remote from said chamber, said blade mount being formed with an embossment at the base of one of said uprights and having an inlet compartment formed for connection with an external source of liquid under pressure, said embossment having a valve receptacle cavity connected at one end with said inlet compartment, a member forming a valve seat removably secured in said receptacle cavity and forming a

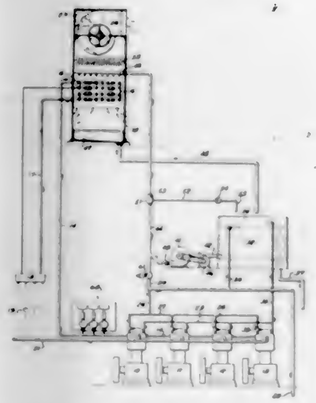
valve stem guide, a duct extending in the embossment and communicating with the receptacle cavity therein on the side of the valve seat remote from said inlet compartment, and a passage in said embossment substantially parallel with respect to said receptacle cavity and connecting said duct with said delivery chamber, and a valve stem supported in said guide in position extending adjacent one of said spaced uprights, a valve member at one end of said stem in position to engage the valve seat between the inlet compartment and said duct, said stem terminating at its other end adjacent an end of said handle means, and spring means normally urging said stem in a direction to press the valve member on said seat.

2,233,633

REFRIGERATING APPARATUS

Harold J. Mollenberg, Kenmore, N. Y.

Application December 29, 1939, Serial No. 311,561
7 Claims. (Cl. 62—3)



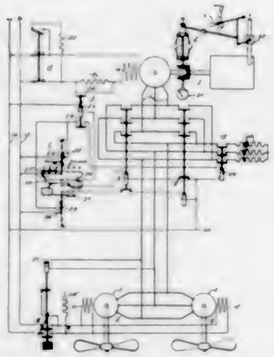
7. In a refrigerating apparatus including a water-cooled compressor, a condenser coil subject to air and water cooling, and an evaporator connected in closed circuit, means for supplying forced draft air to the surface of the condenser coil when the refrigerant pressure between the compressor and coil reach a predetermined range of values, a water tank containing water, a pump, a spray pipe and a drain line hydraulically connected in a local closed circuit for supplying water to the surface of the condenser coil, means responsive to higher refrigerant pressures for operating the pump and thereby the flow of water in said local circuit, means for supplying water from an extraneous source to the compressor, a pipe for conducting water flowing from the compressor to said tank, a float valve controlled line for admitting water directly from the extraneous source to the tank, a valved connection for admitting water from said extraneous source directly to the spray pipe, means for operating said last named valved connection to admit water therethrough upon the occurrence of pressure conditions in the refrigerant between the compressor and the condenser coil in excess of the presure conditions at which the water pump is operated, and an overflow line from the tank to remove excess quantities of water introduced into the local circuit from said extraneous source.

2,233,634

CONTROL SYSTEM

John S. Newton, Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 5, 1940, Serial No. 312,523
11 Claims. (Cl. 172—8)



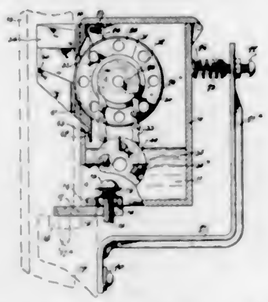
11. A control system comprising a prime mover, an alternating current generator mechanically coupled thereto, a synchronous motor electrically connected to and fed by said generator by a plurality of buses, the motor and generators having field windings, respectively, the method of reversing said motor which comprises decreasing the speed of the prime mover to a predetermined value, increasing the generator excitation, inserting a resistor across said buses for effecting synchronous dynamic braking of all machines thereafter interrupting the circuit between said generator and resistor and interrupting the circuit through the resistor and the motor field winding but not through said generator field windings, and reversing the phase relationship between the generator and motor so as to effect reversal of the motor thereafter reclosing the circuit through the motor field winding and synchronizing the motor, thereafter reducing the generator excitation to its original value.

2,233,635

AUTOMATIC LUBRICATOR FOR ELEVATOR GUIDE RAILS

Frederick Northausen, Coburg, Victoria, Australia

Application March 18, 1939, Serial No. 262,584
6 Claims. (Cl. 184—23)



1. An automatic lubricator for each slide bar

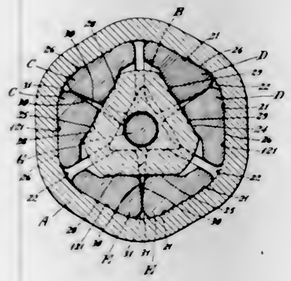
of an elevator or the like, comprising a casing mounted adjacent to the said slide bar on the elevator, a rotary element in frictional engagement with each respective slide bar during the movement of the elevator to impart lubrication to the said bar, the said rotary element being disposed above an oil reservoir, means to deliver such oil to the rotary element, and means for controlling and regulating the speed of the said rotary element to prevent excess feed of such oil when the elevator speed is increased.

2,233,636

FRICTION SHOCK ABSORBING MECHANISM

Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application August 19, 1938, Serial No. 225,758
8 Claims. (Cl. 213—32)



6. In a friction shock absorbing mechanism, the combination with a friction casing of angular, interior cross section presenting a plurality of pairs of longitudinally extending, laterally inwardly diverging, interior friction surfaces; of a pair of friction shoes cooperating with each pair of friction surfaces, the shoes of said pair being arranged side by side in contact with each other on fulcrum portions provided on said sides between the lateral ends of said sides, said shoes of said pair having sliding frictional engagement respectively with the surfaces of the corresponding pair of the casing; a wedge member having a plurality of wedge faces, said wedge faces corresponding in number to the number of pairs of shoes, each of said shoes having a wedge face, and the wedge faces of each pair of shoes being engaged by one of said wedge faces of the wedge and having curved bearing engagement therewith; and means yieldingly opposing relative sliding movement of said shoes and casing.

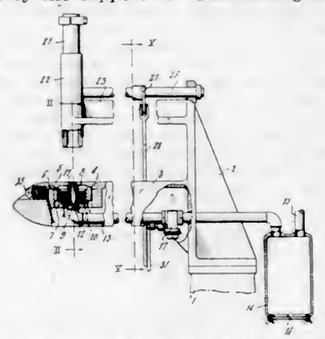
2,233,637

APPARATUS FOR MANUFACTURING INNER TUBES

Ross Patrick, Indianapolis, Ind., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application September 10, 1936, Serial No. 100,136
1 Claim. (Cl. 154—9)

Apparatus for manipulating inner tubes comprising a support insertable into an open end of an inner tube having a hole in a wall for co-operation with an attached valve stem, and means carried by the support for illuminating the hole



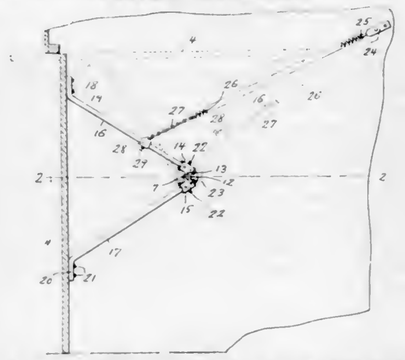
and the interior of the valve stem as the tube is withdrawn from the support.

2,233,638

DOOR HANGER

Fred Peck, Albuquerque, N. Mex.

Application December 6, 1939, Serial No. 307,911
1 Claim. (Cl. 16—129)



A hanger for an overhead opening garage door, said hanger including a mounting plate having an integral laterally projected horizontal stud, a casting rotatably mounted on said plate and embodying a hub accommodating said stud and a pair of integral angularly related sleeves upon opposite sides of said hub, respectively, hanger arms having end portions trained through said sleeves, said sleeves being provided with set screws for securing said hanger arms and sleeves against relative rotation, and said sleeves from the transverse centers thereof flaring outwardly and laterally toward the ends of the same to provide for securing said arms therein to extend obliquely of the plate at different angles relative to said plate.

2,233,639

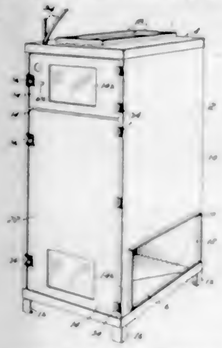
ELECTRICAL PRECIPITATOR

Edward H. R. Pegg, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 10, 1940, Serial No. 313,243
6 Claims. (Cl. 183—7)

1. An electrical unit for cleaning dust particles from a gaseous stream by electrical precipitation, and adapted especially for insertion into, or as part of, the conduits of a ventilating or air-con-

ditioning system, or the like, said unit comprising a casing having substantially vertical sides, said casing being normally closed except for a pair of openings adapted for connection to said conduits; open-ended, electrical precipitating means supported in said casing intermediate said openings, said means being constructed and arranged in said casing so that the gas passing from one of said openings to the other must pass through said precipitating means; electrical power-transforming means for energizing said precipitating means, including a condenser for supplying high potentials to said precipitating means; one of



said sides having opening means and closure means therefor for access to said precipitating means, said closure means including a switch-operating means for deenergizing said electrical means when said closure means is first moved toward open position an amount insufficient for access to the interior of said casing, said closure means further including protective means for preventing, after operation of said switch-operating means, opening of said closure means for access to the interior of said casing until said condenser has been substantially completely discharged.

2,233,640

COMBINED TOY AND CONFECTION HOLDER

Victor Pizzarelli, Bronx, N. Y.

Application July 18, 1938, Serial No. 219,757

3 Claims. (Cl. 46—47)



1. A confection holder comprising in combination: a paddle; a flat gripping piece; an axial pin fastened to the paddle; a projection on the gripping piece to limit rotation of the paddle on said axle; and corner portions on the paddle which prevent movement thereof beyond the said projection.

2,233,641

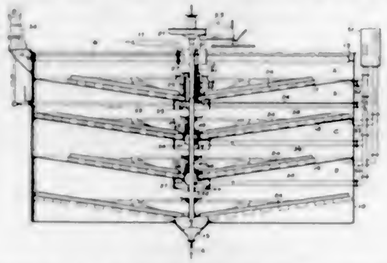
PULP TREATMENT

Elmer R. Ramsey, Larchmont, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application February 9, 1937, Serial No. 124,948

8 Claims. (Cl. 210—55)

1. In an apparatus for settling the solids from a liquid solids suspension, a tank structure divided into superposed compartments and comprising a lower compartment and an upper compartment vertically superposed immediately above the lower compartment, each compartment adapted to have a sludge bed formed therein from the settling solids, means for overflowing supernatant liquid for each compartment, conduit means constituting a passage from the upper to the lower compartment and characterized by a change substantially from one vertical direction to the opposite vertical direction and therefore adapted in the normal operation of the apparatus to have trapped therein a substantially stationary body of settled solids; means for feeding liquid solids



suspension to the upper compartment; means for feeding liquid solids suspension to the lower compartment; means for withdrawing settled solids material from the bottom of said upper compartment to a point outside the tank; means for withdrawing settled solids material from the lower compartment, and means for supplying a gaseous fluid under pressure to said passage in order and in a manner to interpose a gaseous medium between the settled solids of the upper compartment and the liquid of the lower compartment.

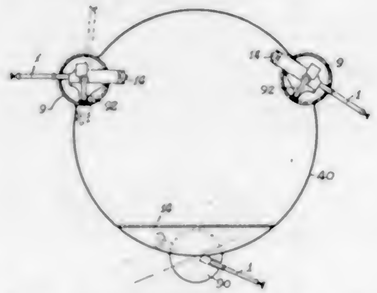
2,233,642

LATERAL AIRCRAFT GUN MOUNT

John C. Sanders, Seattle, Wash., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington

Original application October 17, 1934, Serial No. 749,040. Divided and this application December 21, 1936, Serial No. 116,920

17 Claims. (Cl. 89—37.5)



1. In an airplane fuselage, three protuberances on the sides thereof spaced at angles of approximately 120 degrees about its longitudinal axis, a gun mount housed within and supported from each protuberance to support a gun projecting laterally therefrom, and means guiding each of said protuberances to swing about a longitudinal axis through an angle in excess of 120 degrees, to enable the fields of fire of adjacent guns to overlap in a direction substantially normal to the longitudinal axis of the fuselage.

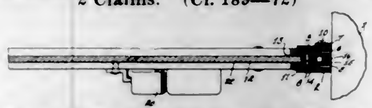
2,233,643

WINDOW CONSTRUCTION

Joseph Schunk, Newark, N. J., assignor to The National Lock Washer Company, Newark, N. J.

Application November 4, 1939, Serial No. 302,811

2 Claims. (Cl. 189—72)



1. In a window construction including a sash having a member carrying a lock bolt, a guide member with means for fastening it to a window frame member, said guide member having a relatively thick base portion with a seat and spaced sides extending inwardly toward the window sash from the base portion and seat, one of said sides being removably carried by the guide member, a sash member for receiving a glass pane and carrying a weather strip to move with it between said sides and against said seat, the guide member having a longitudinal channel directly in the base portion, the channel being positioned toward the window frame member from the seat, and a rack member having lock notches therein and of harder material than the seat portion of the guide member and securely positioned in the channel and substantially filling the channel except at the plane of the seat to receive the end of the sash lock bolt.

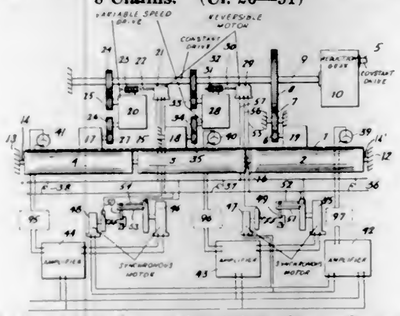
2,233,644

WEFT STRAIGHTENING DEVICE

Gilbert Smiley, Hingham, Mass., assignor to R. L. Sjöström, Lawrence, Mass.

Application June 10, 1939, Serial No. 278,534

8 Claims. (Cl. 26—51)



1. A system for maintaining the weft yarns straight in the feeding of textile fabrics, comprising a plurality of feeding means spaced transversely across the textile fabric, means for counting the weft threads of said fabric passing by chosen fixed points, synchronous motors operated in synchronism with said counting means and means operated by said synchronous motors to control said plurality of feeding means for differentially feeding said textile fabric near the points of observation.

2,233,645

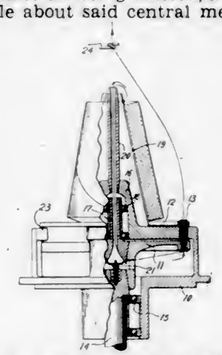
TEXTILE TWISTING UNIT

Graydon Smith, Cambridge, Mass., assignor, by mesne assignments, to The Atwood Machine Company, Stonington, Conn., a corporation of Connecticut

Application June 17, 1940, Serial No. 340,932

5 Claims. (Cl. 57—58)

1. In a twister of the double twister type, a unit member, a centrally mounted member within said unit member rotatably mounted and supporting the material being twisted, a guide member revolvable about said central member, mag-



netic means to retain said supporting member against rotation during the twisting operation, and damping coils formed within said magnetic means.

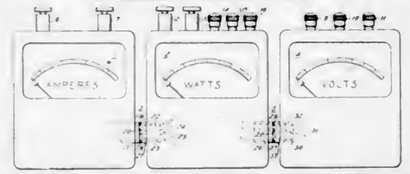
2,233,646

INTERCONNECTIBLE PORTABLE INDICATING INSTRUMENTS

Uel L. Smith, Morris Plains, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 26, 1939, Serial No. 301,399

3 Claims. (Cl. 171—95)



1. A multi-unit electrical measuring apparatus, comprising a primary unit including means responsive to an electrical characteristic and lead-in terminals thereto, contact means including one unit of a separable plug and socket assembly connectable into a circuit of said primary unit, a secondary unit including means for measuring an electrical characteristic and lead-in terminals thereto, and contact means complementary to the contact means of the primary unit connected into a circuit of said secondary unit, whereby said secondary unit may be selectively connected to said circuit of the primary unit for simultaneous indication of different electrical characteristics on the two units.

2,233,647

PRESET SPEED OPERATION OF MOTORS

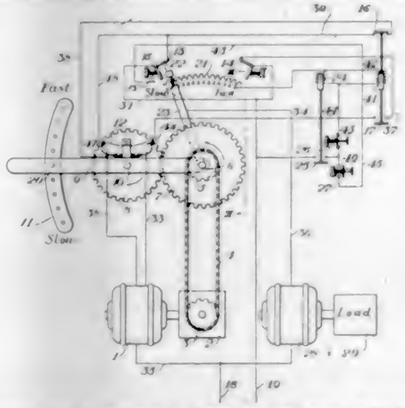
Frederick D. Snyder, East Milton, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 7, 1938, Serial No. 244,403

9 Claims. (Cl. 172—179)

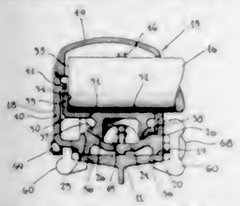
1. In a system of control for an electric motor, in combination, a reversible electric motor including a plurality of reversing windings, a source of potential therefor, a rotatable member driven by said motor, a second rotatable member in contact engagement with and directly driven by said first rotatable member, a double pole mercury

switch rigidly mounted on said second rotatable member, an electric circuit including one of the windings of said motor and one of the pairs of contact members of the mercury switch to effect rotation of said motor in one direction, a second electric circuit including another winding of said motor and the other pair of contact members of the mercury switch to effect rotation of said



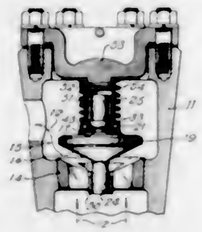
motor in an opposite direction, an arm which is loosely pivoted on said first rotatable means and upon which is loosely pivoted said second rotatable means to effect rotation of the second rotatable means about the first rotatable means, thereby tilting the mercury switch in either direction so as to close either pair of contact members thereof, thus selectively effecting rotation of said motor in either direction.

2,233,648
CROWN BLOCK CONSTRUCTION
Wladimir B. Sounitza, Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application December 18, 1937, Serial No. 180,558
4 Claims. (Cl. 308—72)



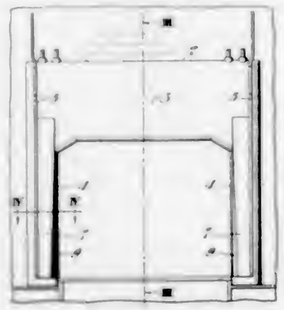
1. In a crown block assembly of the character described, the combination of: a sheave member having axial shaft elements projecting therefrom; and bearing means to receive said shaft elements, said bearing means each comprising a box having an upwardly faced chamber with a side opening to receive one of said shaft elements, there being in said chamber a support to adjustably receive a bearing bushing, and a bearing bushing in said chamber of said box, said bearing bushing having means on the lower part thereof for cooperative engagement with said support and an essentially semicylindrical wall forming an upwardly faced pocket to receive the shaft element, there being an end wall at the end of said essentially semicylindrical wall to engage the end of the shaft element so as to limit end movement thereof.

2,233,649
VALVE
Leslie W. Stahl, Houston, Tex., and George W. Walton, Beverly Hills, Calif., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application May 10, 1938, Serial No. 207,052
5 Claims. (Cl. 251—144)



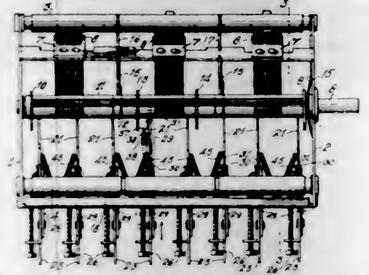
2. In a fluid valve of the class described, the combination including: a valve body having an upper axial valve stem, an annular groove formed in said stem, and a shoulder at the inner end of said stem; and an anti-wear bushing made of resilient anti-wear material supported on said stem, having an internal annular projection which fits into said annular groove and retains said bushing in place, and having a resilient bumper at the inner end thereof supported by said shoulder.

2,233,650
FURNACE DOORFRAME
Frank C. Swartz, Youngstown, Ohio
Application February 3, 1940, Serial No. 317,198
5 Claims. (Cl. 110—180)



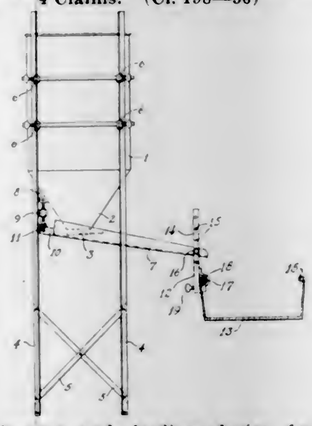
1. The combination with a furnace of the class described having an opening in the side thereof for charging the same, of a door arranged for vertical movement opposite said opening for closing the same, and a door frame disposed around said opening with the outer surface of each of the vertically arranged sides of said frame tapered upwardly with said taper extending a distance at least equal to the length of the opening so as to guide the door in its vertical movement and against which the inner face of the door will lie when it is in its closed position over said opening thereby securely sealing the same against leakage, said frame having outwardly beveled edge portions arranged on the inner opposed vertical edges thereof for guiding a charge into the furnace.

2,233,651
COMBINED TUNING INSTRUMENT AND MECHANICAL SETTING THEREFOR
John H. Teaf, Westmont, N. J., and Albert G. Shafer, Drexel Hill, Pa., assignors, by mesne assignments, to Condenser Development Corporation, Newark, N. J., a corporation of New Jersey
Application April 27, 1939, Serial No. 270,352
11 Claims. (Cl. 74—10)



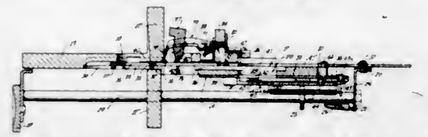
1. A tuning apparatus for a radio receiving set including a frame, tuning elements, one of which is movably carried within the frame, a plurality of slidable members also carried by the frame for moving said movable element to a predetermined tuning position, each of the movable members comprising a unit slidably mounted in the frame, the unit including, a push button member and a backing plate therefor, a setting device bodily slidably positioned on the push button member and guided by the backing plate and formed to successively engage the movable tuning element at arcuately spaced points to turn the same to a predetermined position as defined by the setting device, camming means for clamping the setting device against said backing plate in an adjusted position, and means carried on the sliding unit for operating the camming means.

2,233,652
HOPPER AND FEEDING DEVICE
Benjamin H. Ticknor, II, Englewood, N. J., and Arnold M. Talbott, Rye, N. Y., assignors to Commercial Molasses Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1939, Serial No. 298,286
4 Claims. (Cl. 198—56)



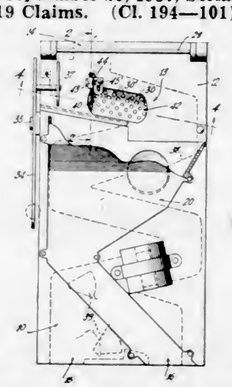
1. A hopper and feeding device for comminuted material, adapted to co-operate with a vibrating feeding member of a second feeding device to admix the said comminuted material with material passing through said second feeding device, comprising an open-top receptacle, an adjustable discharge opening in the bottom of said receptacle, a feed chute positioned below said discharge opening by means of a pivotal mounting member, and an attaching member adapted to be mounted on the vibrating feeding member of said second feeding device, said attaching member receiving its vibrations wholly from the vibrating feeding member of said second feeding device, said attaching member having mounting means for positioning the discharge end of said feed chute in feeding relationship to said vibrating feeding member of said second feeding device.

2,233,653
COIN SLIDE
Walter A. Tratsch, Chicago, Ill.
Application June 7, 1937, Serial No. 146,836
12 Claims. (Cl. 194—97)



1. A coin slide including a frame having a coin deposit opening and a coin discharge opening, a slide having a coin receptacle and mounted for reciprocable movement in said frame to position said coin receptacle to receive a coin from said deposit opening and move said coin toward said discharge opening for movement into the latter, means for reciprocating said slide, and fraud-preventive mechanism including a cut-off pawl pivoted by said slide into blocking position behind an end of the same when the slide and coin receptacle thereof are moved a determined distance toward said discharge opening, whereby to prevent passage of defrauding tools through said frame beyond said cut-off pawl.

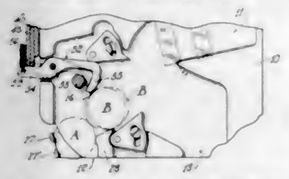
2,233,654
COIN CHUTE
Walter A. Tratsch and William Patzer, Chicago, Ill.
Application September 20, 1937, Serial No. 164,658
19 Claims. (Cl. 194—101)



1. In a coin chute providing a coin passage, defined between opposite wall members, testing means including a stationary magnet positioned

at one side of the passage on one of said wall members, and an electro-conductive but non-magnetic plate member comprising a part separate from the material of the body of said chute and said wall members and interposed between the magnet and a coin moving in said passage so as to form a wall portion of the passage in the region opposite said magnet.

2,233,655
COIN CONTROL
Walter A. Tratsch and William Patzer, Chicago, Ill.
Application July 25, 1938, Serial No. 221,078
6 Claims. (Cl. 194—93)

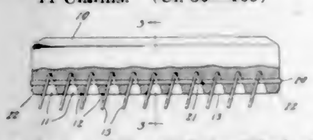


2. In a device of the class described, means providing a descending coin passage having an acceptance discharge opening, coin-freed operating mechanism arranged to receive and engage coin elements delivered to said acceptance opening to free said coin-freed mechanism for effective operation, a pivoted restraining arm mounted for movement into and out of blocking position relative to said acceptance opening, and means operatively associated with said restraining arm and operable by said coin-freed mechanism for pivoting said arm from a normal ineffective position into blocking position when said coin-freed mechanism is effectively operated.

2,233,656
LACTATE OF A NITRO ALCOHOL
Byron M. Vanderbilt, Cranford, N. J., assignor to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application May 1, 1940, Serial No. 332,691
1 Claim. (Cl. 260—484)

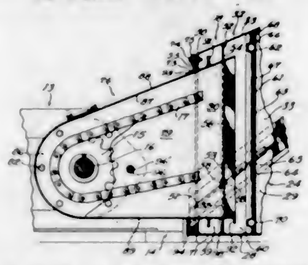
The esterification product of lactic acid and 2-propyl-2-nitro-1,3-propanediol.

2,233,657
SCRAPING IMPLEMENT
David J. Wallace, Los Angeles, Calif., assignor, by mesne assignments, to J. R. Trottier, Los Angeles County, Calif.
Application May 29, 1939, Serial No. 276,398
11 Claims. (Cl. 30—169)



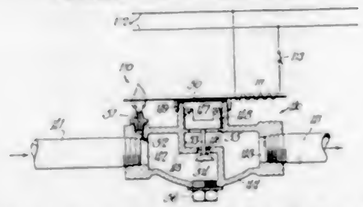
11. In a device of the kind described, an elongated body having a plurality of transverse grooves which open out along a side portion thereof, said grooves being tapered, thus widening their mouth portions, a scraper blade in each of said grooves, and means whereby said blades are loosely attached to said body thereby allowing each blade to rock back and forth to and from contact with opposite sides of the mouth of the groove which it occupies, there being an angular scraping edge along each side of the outer part of each of said blades, the rocking movement of the blade causing the scraping action thereof to be alternately transferred from one to the other of said scraping edges.

2,233,658
OILTIGHT CHAIN GUARD
Samuel W. Webster, Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application May 6, 1939, Serial No. 272,255
16 Claims. (Cl. 74—611)



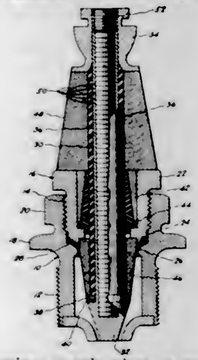
1. In a guard of the character described for use with a drive between mechanisms which may be relatively movable during operation, the combination of: a pair of guard sections supported in adjacent relation, the first of said sections having an oil chamber formed therein and an opening confronting the second of said sections, and said second section having an extension projecting into said first section to communicate with said oil chamber, there being a catch chamber in said first section between said oil chamber and said opening to receive leakage from said opening or said oil chamber.

2,233,659
APPARATUS FOR CONTROLLING FLUID FLOW
Robert A. Wittmann, Chicago, Ill., assignor to Chicago By-Products Corporation, a corporation of Illinois
Application June 26, 1939, Serial No. 281,067
9 Claims. (Cl. 158—117.1)



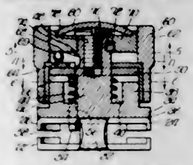
1. Means for controlling fluid fuel flow in a conduit comprising, in combination, valve means in the conduit including a valve member movable between open and closed positions, means for establishing a pilot flame, electrical heater means, and relatively movable cooperating magnetic members, one being a permanent magnet and the other being a body of Curie point metal, said valve member being operatively connected to and movable with one of said magnetic members, said pilot flame and electrical heating means being arranged and adapted to jointly heat said body of Curie point metal above its Curie point so long as both said pilot flame is established and said electrical heating means is in operation, whereby said valve member remains in the open position.

2,233,660
SPARK PLUG
Gilbert C. Barnes, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 24, 1940, Serial No. 331,435
7 Claims. (Cl. 123—169)



1. In an engine spark plug, a center electrode having a longitudinal bore therein, and a stack of plates of a material having a relatively high heat conductivity disposed in said bore.

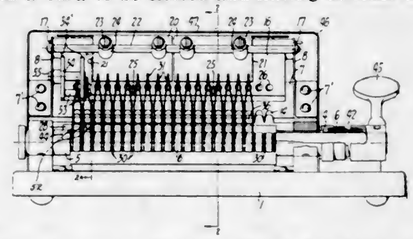
2,233,661
LOCKING MECHANISM
Kenly C. Bugg, Fort Wayne, Ind.
Application November 20, 1939, Serial No. 305,278
16 Claims. (Cl. 70—68)



3. In a combination lock adapted to be applied to a slide for a hookless fastener, means adapted to be moved by said lock into and out of locking position, said lock including a rotatable operating member, said rotatable operating member being adapted to be rotatably mounted on said slide but fixed against dissociation therefrom, means for urging said first named means to inoperative position, and means controlled by predetermined movements of said operating member for permitting movement of said first named member to operative or inoperative position.

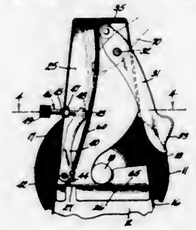
2,233,662
SELECTIVE CARD SLOTTING DEVICE
Sanford D. Buster, Jr., Mill Valley, and Dallas R. Trinkle, Oakland, Calif.
Application May 4, 1940, Serial No. 333,373
14 Claims. (Cl. 164—114)

1. In a device for slotting cards; a plurality of slotting cutters arranged in a substantially straight line movably supported for arcuate cutting action thereof for slotting; a plate formed with recesses cooperating with said cutters; a common means for simultaneously actuating all of said cutters through the slotting stroke; an independent resilient element interposed between each of said cutters and said actuating means, and a key card or the like arranged to be interposed between a portion of said cutters and a card to be slotted and having at least one



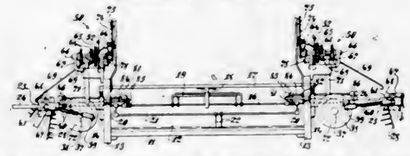
enclosed opening therein, through which said portion of a cutter may freely operate, the blank areas of said key card rendering other of said cutters inoperative by engaging portions of said other cutters and thereby causing distortion of the corresponding interposed resilient members.

2,233,663
PAPER DISPENSER
Neil B. Currier, Los Angeles, Calif., assignor of one-half to Lynn H. McClintock and one-half to Florence L. McClintock, both of Los Angeles, Calif.
Application February 9, 1938, Serial No. 189,574
7 Claims. (Cl. 242—55.5)



7. A roll paper dispenser comprising housings, arms pivoted in the housings and projectable outside of same, the arms carrying a tear blade, leaf springs in the housings engaging the arms to urge the tear blade against a roll of paper in the dispenser, spring followers pivoted in the housings engaging the springs at separated points on opposite sides to force the springs against the arms, and means to rotate the spring followers relative to the springs to vary the tensioning effect of the spring followers.

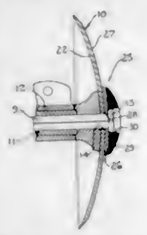
2,233,664
HIGH SPEED FLAT KNITTING MACHINE
Bruno Deri, Brooklyn, and Sebastian Gangi, New York, N. Y.
Application May 25, 1940, Serial No. 337,120
12 Claims. (Cl. 66—85)



1. A flat knitting machine for the knitting of patterns, including a frame carrying a needle

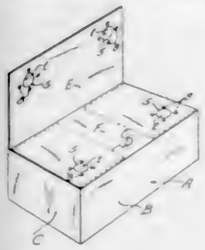
bed and a plurality of parallel longitudinally movable rods for causing the feeding of weft yarns to the needles upon each traverse of the rods, said frame also carrying at its opposite ends reciprocatory means having pattern chains adapted for link movement in course of the reciprocation for causing traverse of the rods to thus control the knitted pattern, an individual pattern control means for the link movement of each pattern chain, drive means for causing simultaneous movement of both reciprocatory means solely in like direction, including actuator means coacting with the said individual pattern control means to cause the link movement of one chain to occur at a different time than that of the other chain, with the control means having elements so spaced as to cause link movement of the pattern chains only after the formation of a series of stitches, whereby each pattern chain may have only one link for each pattern section thus reducing the size of the pattern chains and permitting speeding up of the machine.

2,233,665
DISK HARROW
John E. Hoffman, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 5, 1939, Serial No. 266,097
3 Claims. (Cl. 55—81)



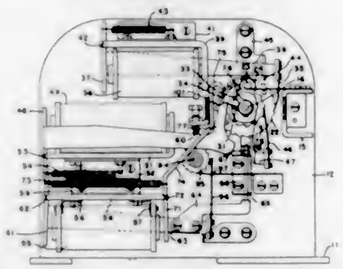
3. A thrust cap for a harrow gang, said cap comprising a metal plate having a gang bolt receiving opening therein, and a pad of wear resisting resilient material fixed to one side of said plate and having an opening for receiving the head of the gang bolt and generally registering with said opening in the plate, the opening in said resilient pad providing for the disposition of said bolt head in contact with said metal plate.

2,233,666
MEANS FOR SEALING PACKAGES
George B. Jinkerson, St. Louis, Mo.
Application November 14, 1938, Serial No. 240,330
5 Claims. (Cl. 229—47)



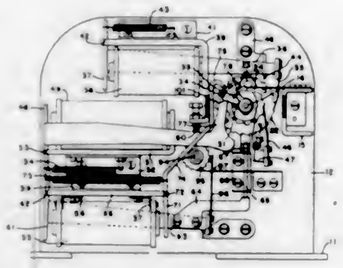
1. In combination with a package having related portions adapted to be secured together to seal the package, metallic elements attached to said related portions and adapted to be welded together to seal the package, one of said metallic elements being provided with means which aids in permitting electrodes of a welding apparatus to be brought in contact with both of said metallic elements.

2,233,667
PRINTING TELEGRAPH APPARATUS
Howard L. Krum, Kenilworth, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 19, 1937, Serial No. 154,377
16 Claims. (Cl. 178—32)



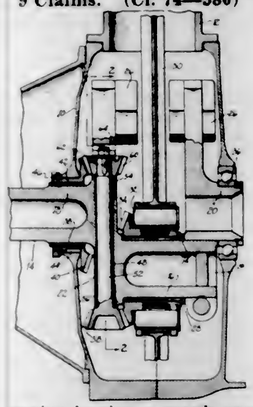
1. In a printing telegraph receiver, a dually controlled type wheel, electromagnetic means responsive to signal impulses for controlling the movement of said type wheel, and planetary gearing interposed between said type wheel and said means for effectuating said control.

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PRINTING TELEGRAPH APPARATUS
Howard L. Krum, Beverly Hills, Calif., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application July 19, 1937, Serial No. 154,377. Divided and this application May 20, 1939, Serial No. 274,678
12 Claims. (Cl. 178—31)



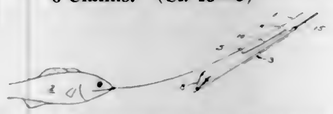
1. In a telegraph transmitter, means for controlling transmission of impulses over two channels of transmission, comprising two groups of transmitting elements, one group for each channel, and means whereby said elements are operative initially to impress character selecting impulses over each channel in staggered manner, secondly to impress printing impulses coincidentally over said channels, and finally to impress restoration impulses in staggered manner over each channel.

2,233,669
GEARED CONNECTING ROD MEANS FOR ENGINES
Charles Lanier Lawrance, New York, N. Y., assignor to Lawrance Engineering and Research Corporation, Linden, N. J., a corporation of Delaware
Application May 19, 1938, Serial No. 208,786
9 Claims. (Cl. 74—580)



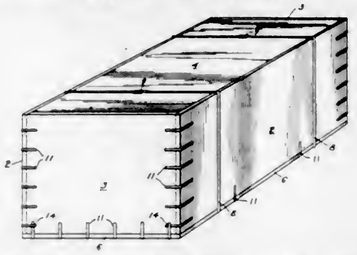
1. In an engine having a crank case structure, in combination, a crankshaft mounted in said crank case structure and having a crank web and a crank pin, said web having a bore extending inwardly from the crank pin end of the web and communicating at its inner end with a recess open at the outer face of the web and offset from the center of rotation of the crankshaft, a spool rotatably mounted on the crank pin, connecting rods secured to said spool, a bevel gear on said spool facing the inner side of said web, a second bevel gear non-rotatably mounted with respect to said crank case structure coaxially with the axis of rotation of the crankshaft and facing the outer side of said web, a pinion shaft rotatably mounted in said bore, a bevel pinion fixed at the outer end of said shaft and meshing with the spool gear, a second bevel pinion fixed on said shaft and located in said recess, said second pinion meshing with said non-rotatably mounted gear, and the gear ratio between each of said pinions and its meshing gear being the same.

2,233,670
GAFFING DEVICE
Harold R. Lee, Ventura, Calif.
Application April 24, 1939, Serial No. 269,564
6 Claims. (Cl. 43—5)



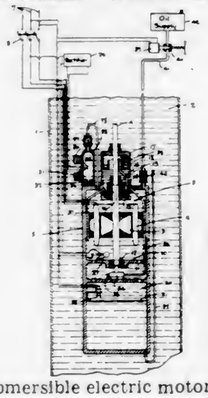
1. A fish gaff comprising an elongated body portion provided with means for attaching a gaff line thereto at the rear thereof; a pair of longitudinally spaced guide means associated with the elongated body portion for releasably and slidably attaching the gaff to a fishing line whereby the gaff is positively guided along a fishing line; and rearwardly and upwardly extending gaff hooks carried by the body portion below and ahead of said guide means, said gaff hooks being resiliently mounted with respect to said guide means whereby said gaff hooks may yieldingly slide under a fish and be driven into a fish by pulling on a gaff line to move the gaff in a direction away from the fish.

2,233,671
SHIPPING CASE
Manuel S. Lopes, Jr., Alameda, Calif., assignor of one-half to Glenn M. Harrington, San Francisco, Calif.
Application October 14, 1938, Serial No. 234,937
2 Claims. (Cl. 217—71)



1. In a shipping case formed of non-creasable material such as wood; a bottom wall; a body portion comprising a pair of side walls, and a pair of adjacent end walls abutting said bottom wall and positioned between the side walls, said walls each consisting of a single substantially rigid panel; staples arranged in spaced relation securing said walls together and constituting the sole securing means, said staples being bent to overlap the corners formed by said body walls and each of said staples having its opposite end portion projecting respectively through an adjacent wall and clinched inwardly upon the surface thereof; and similar staples for securing said bottom to said body, said staples being bent to overlap the corner formed by said bottom and the walls of said body, and each of said staples having one end portion thereof projecting through said bottom and the other end portion projecting through a wall of said body, said staple end portions being clinched inwardly upon the surface of said body and said bottom respectively and parallel thereto.

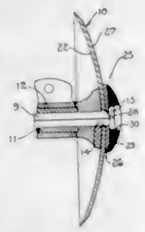
2,233,672
SUBMERSIBLE ELECTRICAL MOTOR
Frank M. Mason, Chicago, Ill., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application December 6, 1937, Serial No. 178,198
24 Claims. (Cl. 172—36)



1. In a submersible electric motor having a cas-

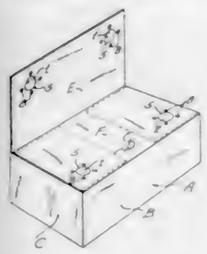
bed and a plurality of parallel longitudinally movable rods for causing the feeding of weft yarns to the needles upon each traverse of the rods, said frame also carrying at its opposite ends reciprocatory means having pattern chains adapted for link movement in course of the reciprocation for causing traverse of the rods to thus control the knitted pattern, an individual pattern control means for the link movement of each pattern chain, drive means for causing simultaneous movement of both reciprocatory means solely in like direction, including actuator means coacting with the said individual pattern control means to cause the link movement of one chain to occur at a different time than that of the other chain, with the control means having elements so spaced as to cause link movement of the pattern chains only after the formation of a series of stitches, whereby each pattern chain may have only one link for each pattern section thus reducing the size of the pattern chains and permitting speeding up of the machine.

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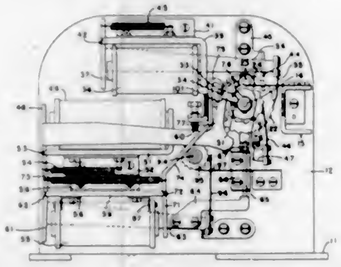
3. A thrust cap for a harrow gang, said cap comprising a metal plate having a gang bolt receiving opening therein, and a pad of wear resisting resilient material fixed to one side of said plate and having an opening for receiving the head of the gang bolt and generally registering with said opening in the plate, the opening in said resilient pad providing for the disposition of said bolt head in contact with said metal plate.

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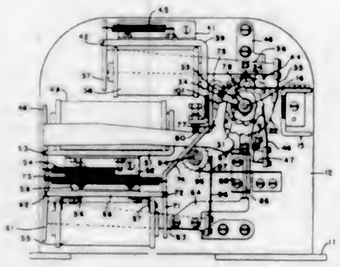
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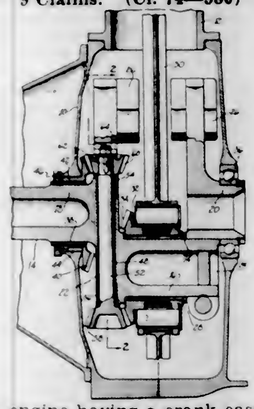
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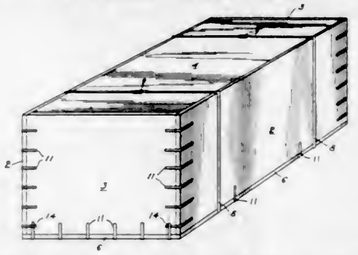
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Application April 24, 1939, Serial No. 269,564
6 Claims. (Cl. 43—5)



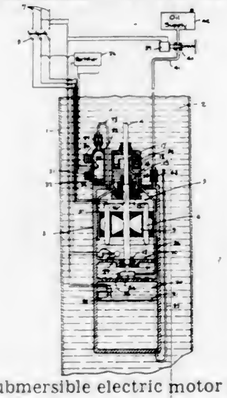
1. A fish gaff comprising an elongated body portion provided with means for attaching a gaff line thereto at the rear thereof; a pair of longitudinally spaced guide means associated with the elongated body portion for releasably and slidably attaching the gaff to a fishing line whereby the gaff is positively guided along a fishing line; and rearwardly and upwardly extending gaff hooks carried by the body portion below and ahead of said guide means, said gaff hooks being resiliently mounted with respect to said guide means whereby said gaff hooks may yieldingly slide under a fish and be driven into a fish by pulling on a gaff line to move the gaff in a direction away from the fish.

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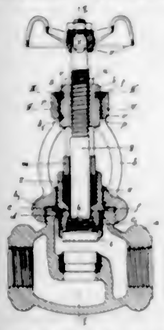
2,233,672
SUBMERSIBLE ELECTRICAL MOTOR
Frank M. Mason, Chicago, Ill., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application December 6, 1937, Serial No. 178,198
24 Claims. (Cl. 172—36)



1. In a submersible electric motor having a cas-

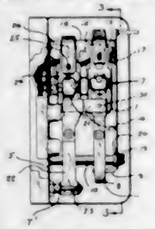
ing, and adapted to be submerged in well liquid, a body of neutral liquid adapted to fill the casing, and means submergible with the casing for forming a gaseous atmosphere within the casing for lowering the level of neutral liquid in the casing.

2,233,673
VALVE DEVICE
Béla Mayer, Budapest, Hungary, assignor to Irving Graef, New York, N. Y.
Application February 24, 1939, Serial No. 258,159
In Hungary February 24, 1938
6 Claims. (Cl. 251—50)



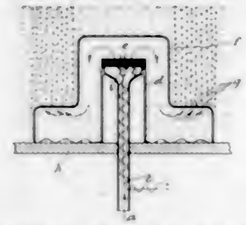
1. A valve comprising a valve casing, a yoke fastened to said casing, a head part arranged on the upper part of said yoke, having longitudinal recesses and provided with a threaded central opening, a valve spindle in said opening, extending through said opening into said valve casing, and holding at its lower end a valve disk, a packing box forming an annular channel around said spindle, a packing gland surrounding said spindle and fitting into said annular channel, said gland being provided with axially projecting extensions loosely fitting into the recesses of said head part and cooperating with a nut provided on said head part, and adapted to lift and lower said extensions and said gland in the axial direction.

2,233,674
TEMPERATURE CONTROLLING SYSTEM
Ira E. McCabe, Chicago, Ill.
Application August 3, 1938, Serial No. 222,865
5 Claims. (Cl. 200—139)



1. In a system for controlling the operation of an electrically operated and controlled heating plant, a two-stage thermostat including two magnetically operated mercury tube switches, one switch connected in one control circuit and the other switch connected in another control circuit, a coil of bi-metallic metal responsive to changes in temperature to expand and contract, the inner end of said coil attached to an adjustable member and the free end of the coil mounting a magnet to operate one of said switches, a strip adjacent the free end of the coil pivotally mounted at one end supporting on its free end a magnet to operate the other switch, an arm upon said strip extending into the path of movement of the free end of the coil arranged to be engaged by the free end of the coil after it has moved to open the first switch to open the other switch and allow the strip to move to close the other switch before the end of the coil has closed the first switch.

2,233,675
DEVICE FOR HEATING LIQUIDS
Georg Narten, Ida- und Marienhuette, near Saarau, Germany, assignor to the firm Silesia Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany
Application September 14, 1937, Serial No. 163,795
In Germany November 2, 1936
2 Claims. (Cl. 60—45)



1. An immersion device for heating a liquid, comprising a cylindrical burner which contains a porous burner plate of refractory material, a tube for introducing a combustible mixture into said porous burner plate, said tube being connected with said burner, means for igniting said combustible mixture, and a cup surrounding said burner and immersed in the liquid, said cup comprising a horizontal annular section, said annular section of said cup being provided with perforations through which the burnt gas escapes from said cup into the surrounding liquid.

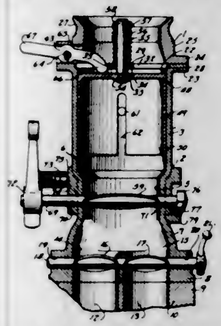
2,233,676
SOFTENING AND FINISHING OF TEXTILE MATERIALS AND COMPOSITIONS THEREFOR
Cortes F. Reed, Anoka, Minn., assignor to Charles L. Horn, Minneapolis, Minn.
No Drawing. Application February 12, 1940, Serial No. 318,647
12 Claims. (Cl. 91—68)

1. Process of finishing a textile fabric including treating the fabric with a solution of a paraffin derivative soap produced by treating paraffin in the liquid phase with chlorine and sulfur dioxide and subsequently hydrolyzing the product by a strong inorganic alkaline solution.

2,233,677
AIR AND GAS MIXER
Arthur J. Root, Quapaw, Okla.
Application August 30, 1939, Serial No. 292,647
4 Claims. (Cl. 48—180)

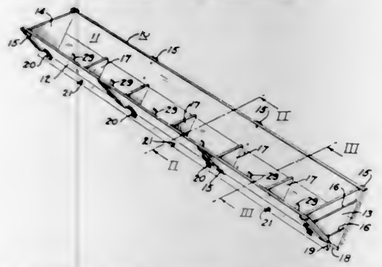
1. An air and gas mixer for an internal combustion engine including, a casing having a substantially cylindrical wall provided with a gas inlet spaced from the ends thereof and having an end wall provided with an air inlet opening, a piston-like valve having a cylindrical skirt portion closely contacting the cylindrical wall of the casing to maintain said valve in coaxial relation

therewith and having a head adapted to abut against the end wall of the casing to close said air inlet opening, the head of said piston-like valve having an opening offset from said air inlet opening for admitting air to the lower portion of the casing when the piston-like valve is moved from abutting relation with the end wall, said



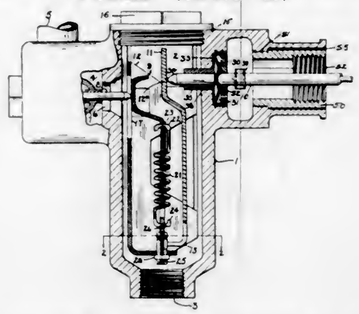
skirt portion of the piston-like valve having an opening registrable with the gas inlet when the piston-like valve is moved from closing relation with respect to said air inlet opening, means yieldingly retaining the piston-like valve in position to close said inlets, and means for moving the piston-like valve to open said inlets.

2,233,678
SPREADER FOR PULVERIZED MATERIALS
Jack D. Rossi, Lower Lake, Calif.
Application April 3, 1939, Serial No. 265,686
2 Claims. (Cl. 221—120)



1. A spreader for pulverized material adapted for mounting on a supporting frame of a vehicle, said spreader comprising an elongated generally V-shaped trough for receiving the materials to be spread, laterally transverse partitions relatively spaced longitudinally in said trough and dividing it into relatively separate independent bins, said trough having a hinged adjustable gate providing an elongated opening at its bottom portion, means including a tensioned spring having bearing on one side of the gate and a stop member on the opposite side for adjusting the said gate whereby the lateral width of said opening may be varied and set at predetermined positions, a blade for each of said bins adapted for entering said elongated opening and for reciprocation therein, and means for reciprocating said blades in unison, the said partitions extending downwardly into the narrowed bottom of the trough adjacent the elongated opening so that the material in one bin will not flow in substantial quantities into an adjoining bin by vibration, tilt, or movement of the blades.

2,233,679
THERMOSTAT VALVE MECHANISM
Frank H. Schoenfeld, Cleveland Heights, Ohio
Application May 6, 1938, Serial No. 206,413
1 Claim. (Cl. 236—48)



A thermostatic control mechanism for operating a valve within a predetermined range of temperature control including a body having a fuel passage therethrough and an opening connecting with the passage, a valve in said passage, a thermal means operable through said opening for actuating the valve upon movement of the thermal means, a valve actuating means interposed between said thermal means and said valve and comprising a main lever actuated by said thermal means, a secondary lever supported by said main lever and engageable with said valve, a spring connected to said secondary lever and to the body for effecting snap action of the actuating means to final positions after initial operations by the thermal means, and an adjustable means interposed in the connection of the spring to the body and supported by the body to compensate for variance in the elements included in the valve actuating means and in the assembly thereof and to vary the tension in the spring without changing materially the final positions of the actuating means relative to the spring and thereby effecting a change in the operating relation of the thermal means with respect to the valve.

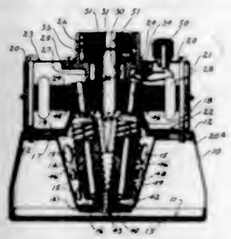
2,233,680
PROCESS OF VULCANIZING RUBBER AND PRODUCTS OBTAINED THEREBY
Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application October 23, 1930, Serial No. 490,814. Divided and this application June 18, 1938, Serial No. 214,575
4 Claims. (Cl. 260—789)

1. The process of vulcanizing rubber which comprises heating a mixture of rubber and sulfur in the presence of a mercapto-aryl-thiazole accelerator and in addition thereto a diaryl substituted guanidine salt of hydrochloric acid.

2,233,681
PENCIL SHARPENER
Nils H. Swanson, Chicago, Ill.
Application April 18, 1938, Serial No. 202,615
13 Claims. (Cl. 120—96)

1. In a pencil sharpener the combination with a hollow base, of a shell superposed on said base, said shell and base having aligned apertures therein, a bearing mounted in and secured to said shell and situated in one of said apertures, a cage mounted for rotation in said bearing and projecting into said base, a motor within said

shell, a connection between the rotor of said motor and said cage whereby the latter rotates with the rotation of said rotor, a pair of rotary cutters carried by said cage with the major por-



tion thereof positioned in said base, and means cooperating with the upper portion of said cutters to rotate them individually upon the rotation of said cage.

2,233,682
ADJUSTABLE RAKE OR CULTIVATOR
Virgil J. Welcome, Eagle Rock, Calif.
Application March 13, 1940, Serial No. 323,767
1 Claim. (Cl. 97—64)

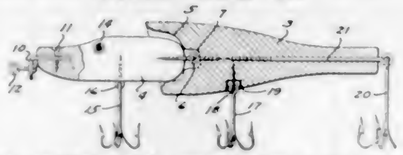


In a cultivator, a handle, a plurality of resilient tine members, each of said tine members being rectangular in cross section and each tine member including an integral shank portion and a hooked soil working portion, said handle having a rectangular aperture, said shank portion being positioned in said handle aperture, said tine members being arranged in the handle aperture so that the members may be brought together with adjacent flat sides in direct engagement, fastening means for securing said shank portion in said handle, said hook portions each including a flattened tooth, said shank portions being normally held divergent by the resiliency of the material whereby the hook portions and the teeth are normally spaced apart and a slide on said shank portions, said slide having a rectangular aperture of a size to slidably receive the shank portions, said slide being movable along the tines from said handle to said hook portions to vary the spaced relation of said hook portions, said slide when moved from adjacent the handle towards the hook portions urging shank portions and said hook portions into direct engagement.

2,233,683
LUBRICANT
William Alvah Smith, Hamburg, N. Y.
No Drawing. Application August 9, 1935, Serial No. 35,516
20 Claims. (Cl. 252—54)

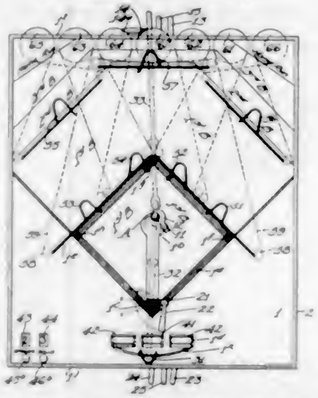
1. In the manufacture of lubricants in which a halogenated hydrocarbon film-strength increasing agent and an oxygen bearing friction reducing agent, are added to increase the effectiveness of the lubricant, the method of insuring uniform and maximum effectiveness of the lubricant mixture which comprises heating the lubricant and at least one of the agents of the mixture under conditions of temperature and pressure and for a period of time which will eliminate any free moisture present in the lubricant and the agents that are heated, and homogenizing the mixture while hot.

2,233,684
FISH LURE
Lloyd C. Strite, Chicago, Ill.
Application November 30, 1938, Serial No. 243,143
1 Claim. (Cl. 43—46)



An artificial fish lure involving major and minor sections, said major section, at its front end, having a cup-shaped recess that has such clearance from the rear end of the minor section that it forms a cup that will receive water and cause it to eddy within the cup and thereby modify the movements of the bait, said minor section being of less diameter than said major section and having its rear end extended into said recess with such clearance from the surrounding wall of said recess as to permit relative wobbling movements of said sections, and means anchoring the rear end of said minor to said major section, at the bottom of said recess, with freedom for such wobbling movements.

2,233,685
BASEBALL AND SIMILAR GAME
Fielding B. Simmons, Ventura, Calif.
Application November 7, 1938, Serial No. 239,295
11 Claims. (Cl. 273—89)



1. In a game of the class described, a field of play having a movable pitcher therein, a trigger at one end of the field for holding the pitcher against movement, and for manually releasing the pitcher to allow rotation thereof, manually varying resilient means for causing varying speeds of rotation of said pitcher, and manually controlled stop means at the same end of said field for secretly causing the movement of the pitcher to stop in various positions.

2,233,686
POWDER PUFF
Daniel Topjian, Watertown, Mass.
Application November 13, 1940, Serial No. 365,503
2 Claims. (Cl. 132—78.5)

2. A refillable powder-applying mitt having a rear ply and an impervious lining ply, said plies being of substantially like shape and dimensions

and defining between them a hand-receiving pocket, each such ply having lateral edges spaced apart a distance somewhat greater than the width of the hand upon which the mitt is to be worn and a curved forward edge merging smoothly with said lateral edges and a rear edge which intersects said lateral edges, an applicator ply of powder-pervious fabric and of substantially the same shape and dimensions as the other plies except that it is longer whereby, when said three plies are arranged with their curved front edges and their lateral edges in registry, respectively, the rear end portion of the powder-pervious ply extends rearwardly beyond the rear edges of the



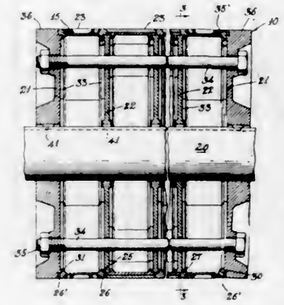
other plies to provide a closure flap for the powder-receiving pocket which intervenes between the applicator and lining plies, means uniting the several registered plies along their lateral and curved forward edges thereby to provide a powder-tight joint between them, resilient means tending to constrict the width of the mitt at a point adjacent to but forward of the rear edges of the two first-named plies, and fastener means operative, when the closure flap has been turned forwardly and inwardly so as to embrace the rear edge of the impervious lining ply, releasably to unit the free edge portion of the closure flap to the rear portion of the impervious lining ply.

2,233,687
BOOK HANGER
Baldwin Vale, San Francisco, Calif.
Application December 12, 1939, Serial No. 308,831
4 Claims. (Cl. 129—38)



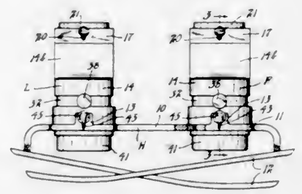
1. A book hanger comprising a flexible one-piece blade having hooks formed on its opposite ends; and a head on the blade and extending beyond the hook at one end.

2,233,688
DIE ROLL
Edward A. Weidenmiller, Chicago, Ill.
Application May 22, 1940, Serial No. 336,553
9 Claims. (Cl. 107—8)



1. In a cast-segment type of die roll for molding cookies and like articles, the combination of a central supporting shaft, a pair of disk-like end plate members and a plurality of intermediate spider members all mounted on said central shaft concentrically therewith and in spaced relation axially of said shaft, each of said members having an annular positioning surface formed on its periphery concentric with the axis of said shaft and of a predetermined diameter, a plurality of arcuate die segments each having a die cavity in its outer convex surface and having positioning surfaces formed along its arcuate side edges for engagement with the positioning surfaces of two adjacent ones of said members, said segments being disposed in a plurality of annular rows, one such row being positioned between each adjacent pair of said members to form a cylindrical die roll, cooperating cam surface means on said members and said segments and operable by clamping force applied to said end members endwise toward each other to clamp and seal the positioning surfaces of said segments against the positioning surfaces of said members, and means for applying such clamping force to said end members.

2,233,689
APPARATUS FOR DEVELOPING VISUAL FUSION
Frank F. Wildebush, Minneapolis, Minn.
Application October 20, 1937, Serial No. 170,039
6 Claims. (Cl. 88—20)



1. In a binocular device, a supporting structure adapted to be placed in front of the eyes of a patient and including right and left tubular passages through which the right and left eyes of the patient may respectively peer, right and left outer mirrors mounted in the outer portions of

the respective tubular passages, right and left inner mirrors mounted in the respective passages inwardly from the outer mirrors, said right and left inner mirrors each having a plurality of reflecting zones and each having a pluality of non-reflecting zones and at least certain portions of the reflecting zones of the right inner mirror corresponding in positions on the right inner mirror to the positions that the non-reflecting zones of the left inner mirror take on the left inner mirror and at least certain portions of the reflecting zones of the left inner mirror corresponding in positions on the left inner mirror to the positions that the non-reflecting zones of the right inner mirror take on the right inner mirror, said right outer mirror being located to reflect light rays from a visual field on to the right inner mirror and the right inner mirror being located to reflect from the reflecting zones thereof certain of such light rays to the right eye of the patient, said left outer mirror being located to reflect light rays from the same visual field on to the left inner mirror and the left inner mirror being located to reflect from the reflecting zones thereof certain of such last mentioned light rays to the left eye of the patient.

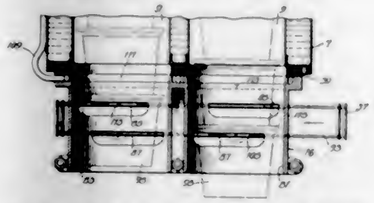
2,233,690

ESCAPEMENT MECHANISM FOR PACKAGE DISPENSING MACHINES

Sydney W. Williamson, Jamaica, N. Y.

Original application December 17, 1936, Serial No. 116,294. Divided and this application February 5, 1938, Serial No. 188,827

8 Claims. (Cl. 312—44)



1. In a machine for dispensing packages at a temperature below the freezing point of water, a refrigerated package storage compartment, an escapement mechanism movably mounted below said compartment, said escapement mechanism having a package arresting member and a package discharge orifice alignable with the stored packages, means for actuating said escapement mechanism to align said package discharge orifice with a package to control the feed and delivery of packages in a substantially continuous path, and means included in the escapement mechanism for imparting to a package preparatory to delivery a rotary motion in a plane perpendicular to the feeding and delivery path to free said package from adhesion to a surface with which it is in contact.

2,233,691

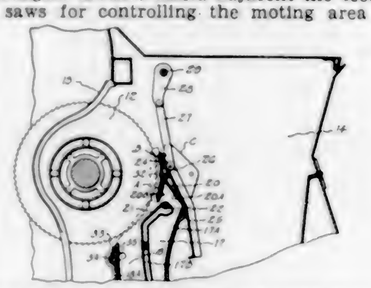
COTTON GINNING APPARATUS

John Blewett, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas

Application March 14, 1938, Serial No. 195,730

9 Claims. (Cl. 19—59)

3. The combination with an air blast cotton gin having an air supply duct terminating adjacent the gin saws, of an air nozzle having its upper end substantially triangular in cross section, and an elongate arcuate shield adjacent the teeth of the saws for controlling the moting area and



having its lower portion movably supported upon the inner triangular wall of the nozzle.

2,233,692

DRILLING APPARATUS

Roy B. Bryant, Dallas, Tex.; Frank Leone Bryant executrix of said Roy B. Bryant, deceased

Application April 20, 1939, Serial No. 268,876

11 Claims. (Cl. 255—1)



1. A drilling apparatus including, a rotatable tubular drill stem, a drill bit having fluid passages therein secured to the lower end of said stem, whereby when the stem is rotated the bit performs the cutting operation, means for circulating a drilling fluid downwardly through the well bore outside of the stem, means for conducting the fluid from the bore to the fluid passages of the bit so as to direct said fluid into contact with the cutting blades thereof, and means for conducting the fluid upwardly through the drill stem to complete the circulation cycle.

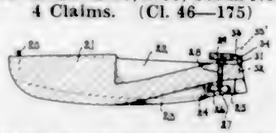
2,233,693

TOY BOAT

Walter F. Clarke, Omaha, Nebr.

Application March 20, 1939, Serial No. 262,946

4 Claims. (Cl. 46—175)



1. A device for the purpose described comprising a toy boat provided with a channel disposed longitudinally in the bottom thereof, a shaft associated with the stern of said boat, propeller

blades carried axially of and at one end of said shaft, said propeller being disposed in said channel, a deflector in said channel for directing water toward one side of said propeller for rotating said shaft, and a sound generator carried by and at the stern of said boat operative by said shaft at times when said water rotates said shaft.

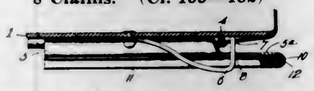
2,233,694

CHAIR SEAT AND BUMPER GUARD

Roy A. Cramer and Jesse F. Cramer, Kansas City, Mo.

Application January 22, 1940, Serial No. 315,104

8 Claims. (Cl. 155—182)



1. In a seat, a seat plate, a flange secured in underlying spaced relation to the seat plate and in conjunction therewith providing a marginal channel, a flexible cover over said seat plate and having its edge margin received within said channel, and means secured to said seat plate to lock the cover against longitudinal movement in said channel.

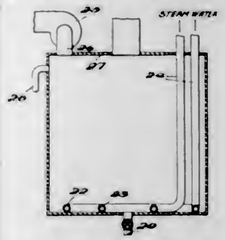
2,233,695

METHOD OF ACID TREATING GRANULAR MATERIALS

Joshua A. Crew, Zanesville, Ohio, assignor to The Ayers Mineral Company, Zanesville, Ohio, a corporation of Ohio

Application April 4, 1939, Serial No. 266,029

2 Claims. (Cl. 22—182)



1. The method of removing undesired ferrous compounds from silica sands, clays, other ceramic materials, and ores, which comprises the steps of applying concentrated sulphuric acid to the sand, agitating and heating the sand to form a film of acid on the grains, placing the sand in a container, exhausting air from the container, introducing steam into the lower portion of said container for circulation through the body of sand, the steam combining with the acid film to produce a dilute acid solution around the sand grains, and removing the acid solution and impurities dissolved thereby by passing water through the sand.

2,233,696

MARKING POST FOR INTERLOCKING TEMPLETS AND THE LIKE

Leon T. Eliel, Pasadena, and Edward R. Polley and Maxwell A. Phillips, Los Angeles, Calif., assignors to Fairchild, Polley & Eliel, Inc., Los Angeles, Calif., a corporation of California

Application May 15, 1939, Serial No. 273,666

6 Claims. (Cl. 33—189)

1. A post for interlocking relatively movable overlapping slotted templets on a supporting surface in a map-making process and for locating on said surface the points of intersection of the templet slots, said post having: a stem dimensioned to fit through and make tangential contact with the edges of intersecting slots of over-



lapping templets so as to transmit stresses between said templets due to moving said templets relative to each other; and means operable from above the level of said templets to mark the position of said post on said supporting surface.

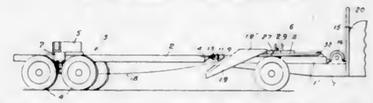
2,233,697

TRAILER TRUCK

Knud J. W. Freitag, Oakland, Calif., assignor to F. A. B. Manufacturing Co., Oakland, Calif., a corporation of Nevada

Application April 10, 1939, Serial No. 266,937

6 Claims. (Cl. 214—85)



1. In the combination of a motor truck and trailer towed by the truck through a reach pole, having a power winch on the truck with a rope extending from the winch to the trailer for hauling it toward the truck, and downwardly slanted track means at the rear of the truck to receive and guide the trailer wheels upwardly onto the truck as the winch is operated, the improvement which comprises a strut frame normally lying substantially horizontal upon the truck pivoted at its forward end to the truck and pivotally connected at its rearward end to the forward end of the reach pole in a manner to carry said end of the reach pole upward and forwardly over the truck as said trailer is hauled up onto the truck, said strut frame formed with legs positioned to lie adjacent the outer sides of the truck frame when the trailer is in position for towing.

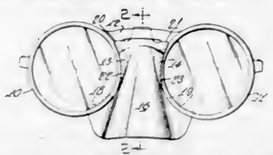
2,233,698

DETACHABLE NOSE SHIELD FOR SUNGLASSES OR THE LIKE

Albert Girouard, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts

Application July 23, 1938, Serial No. 220,903

1 Claim. (Cl. 2—206)



A nose shield for use with a pair of sunglasses having a nose bridge and lens rims, comprising a shield shaped to conform substantially to the contour of the nose, said shield having an upwardly and forwardly curved lip extending from its upper end positioned to engage the rear surface of the nose bridge, a pair of arms extending laterally from the upper end of the shield at the base of the lip and having rear lens rim engaging faces positioned to engage over the front surface of the nose bridge and lens rims, and a pair of supporting members extending from the

sides of the shield and engaging the rims of the glasses, said lip, arms, and supporting members cooperating to support the shield in inclined position.

2,233,699
SAFETY LOCK MEANS FOR CABINETS
John E. Gorrell, Battle Creek, Mich., assignor to Battle Creek Sanitarium and Benevolent Association, Battle Creek, Mich., a corporation of Michigan
Application October 31, 1940, Serial No. 363,692
2 Claims. (Cl. 292—1)



1. A controlling means for a movable closure of a medicine cabinet, including a pair of catch means each carried by said closure for latching it in closed position, a manually operable control member for each of the catch means, said control members being carried by and spaced from each other on the closure a distance greater than the normal stretch between the thumb and any one of the fingers of the hand of a child and no more than a similar stretch on one normally sized hand of an adult in fully spread position to provide for operation thereof simultaneously, means to tension the control members whereby the same can only effect release of the catches by maintaining pressure thereagainst by said adult hand of the operator in the closing direction of said closure to release said catch means, and separate pull means on the closure spaced from each of the control members at a distance in excess of the aforementioned stretch of a child's hand, so as to require the operator to manipulate the pull means with his other hand in opposition to and while maintaining his first hand engaged with the control members in order to prevent possible opening of the closure before release of the control members.

2,233,700
REFRACTORY MIXTURE FOR CAST METAL MOLDS
Cornell Joel Grossman, Millburn, N. J.
No Drawing. Application July 8, 1940, Serial No. 344,435
4 Claims. (Cl. 22—188)

1. The method of forming a refractory mold for cast metallic dentures which comprises forming a mixture comprising at least 60% silica and 5–30% of a double Mg silicate compound of one of the metals zirconium and titanium, the said silica having a particle size passing about 20 mesh with from 20–40% thereof passing 200 mesh and the said silicate having a particle size passing about 200 mesh, forming the mixture into a plastic mass with phosphoric acid or similar binder, flowing the plastic mass over the surface of a pattern in a plurality of coatings to the depth and thickness desired, allowing the coatings to set, drying the coatings and then slowly heating the same to the desired pre-heat temperature of the mold before casting the molten metal therein.

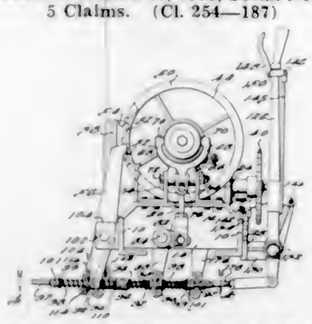
2,233,701
REFRACTORY COMPOSITION FOR DENTAL MOLDS
Cornell Joel Grossman, Millburn, N. J.
No Drawing. Application July 8, 1940, Serial No. 344,436
4 Claims. (Cl. 22—188)

4. A mold comprising a solution of zirconium oxychloride, magnesium trisilicate, magnesium oxide and silica in combination with each other.

2,233,702
REFRACTORY MOLD MATERIAL FOR CAST METAL PRODUCTS
Cornell Joel Grossman, Millburn, N. J.
No Drawing. Application July 17, 1940, Serial No. 345,981
5 Claims. (Cl. 22—188)

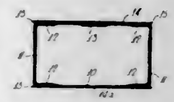
5. A refractory mold comprising at least 60% of silica and magnesium tri-silicate.

2,233,703
WINCH CONTROL
Ronald K. Hatch, Highland Park, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application November 23, 1938, Serial No. 241,953
5 Claims. (Cl. 254—187)



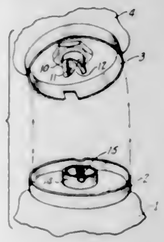
3. A winch construction comprising a frame, a drive shaft mounted on said frame, a spool rotatably mounted on said shaft, said spool having a ratchet wheel integrally formed therewith, a pawl associated with said wheel, a sliding clutch element operatively connected to said shaft and adapted to cooperate with complementary clutch elements on said spool to provide a drive connection between said spool and said shaft, a single operating lever movable to operating positions, and means operatively connecting said lever to said pawl and to said sliding clutch, said last named means including a shiftable rod, a link member slidably embracing said rod, resilient means operatively connected to said rod on opposite sides of said link member providing a resilient connection between said rod and said link member, means slidably connecting said pawl to said rod, resilient means operatively connected to said rod on opposite sides of said pawl providing a resilient connection between said rod and said pawl, the connection being such as to urge said pawl into engagement with said wheel and to urge said clutch element out of engagement with said co-operating clutch elements when said lever is moved to one of its operating positions and so constructed as to urge said pawl out of engagement with said wheel and to urge said clutch element into engagement with said co-operating clutch elements when said lever is moved to another of its operating positions, the construction being such that said pawl remains in engagement with said wheel until after said clutch element is in engagement with said co-operating clutch elements and said clutch element remains in engagement with said co-operating clutch elements until after said pawl is in engagement with said wheel.

2,233,704
CONTAINER
John Hohl and Olav Bjering, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application July 2, 1938, Serial No. 217,122
12 Claims. (Cl. 229—55)



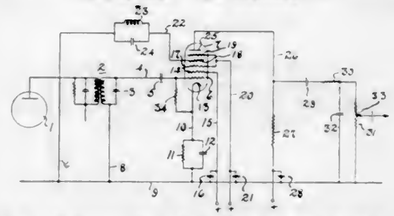
1. A container having the peripheral wall formed of two concentric casings, the inner casing being formed of thin, flexible, transparent sheet material, and the outer casing including layers of thin, flexible, transparent sheet material covering two opposite sides of the inner casing and stiffer but flexible sheet material covering the other two sides.

2,233,705
SHOCK ABSORBING CLUTCH
Arley U. Hook, Fostoria, Ohio, assignor to Bersted Manufacturing Company, Fostoria, Ohio, a corporation of Ohio
Application November 1, 1939, Serial No. 302,353
1 Claim. (Cl. 192—55)



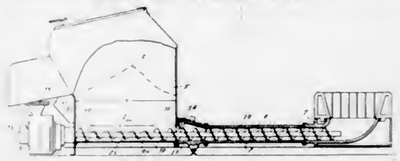
In a clutch, separable rotatable drive and driven members, one member having portions spaced across its axis of rotation and a coiled contractile spring anchored at its ends to said portions and spanning the member axis, and the other member having a part for releasable straddling engagement with said spring intermediate said parts and providing a clutch tooth at each side of the part whereby the drive of one member from the other when in clutch engagement is through said spring laterally of its coil axis and tending to stretch the coil.

2,233,706
RADIO RECEIVING CIRCUIT
Henry P. Kalmus, New York, N. Y., assignor to Emerson Radio & Phonograph Corporation, New York, N. Y., a corporation of New York
Application November 1, 1939, Serial No. 302,285
5 Claims. (Cl. 250—40)



1. In a combined radio frequency carrier operated limiting and discriminating circuit, the combination including a multi-electrode vacuum tube including a cathode, an anode and a plurality of control electrodes, a tuned input circuit including one of said control electrodes and said cathode, an output circuit including said anode and said cathode, means for biasing the control electrode independently of the other electrodes, means for biasing others of said control electrodes, the biasing of said biased electrodes being selected to limit the response to the amplitude of the input, and a resonant impedance network connecting another of said control electrodes with said cathode whereby the current in said output circuit is varied by and in accordance with changes in the frequency on the first control electrode.

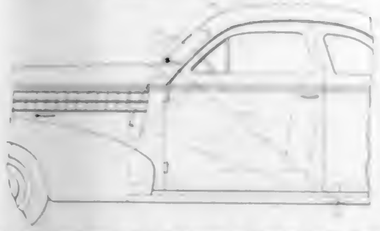
2,233,707
STOKER COAL FEED SCREW
Floyd R. Nelson, Rockford, Ill., assignor to Cotta Transmission Corporation, Rockford, Ill., a corporation of Illinois
Application July 17, 1939, Serial No. 284,931
1 Claim. (Cl. 198—64)



The combination in an underfeed stoker of a hopper adapted to communicate with a discharge conduit to conduct coal to a retort, the hopper having an elongated generally trough-shaped substantially horizontal bottom, level with the lower side of the conduit for free movement of coal from the bottom of the hopper into said conduit, and a coal feed screw in said conduit extending into the hopper and extending lengthwise of the trough-shaped bottom of said hopper from one end wall of said hopper adjacent the conduit through an opening provided in the opposite end wall of said hopper for connection with drive means outside the hopper, that portion of the coal feed screw within the hopper being fully exposed for contact with the coal therein so as to move coal from the hopper toward and into the conduit along the trough-shaped bottom of the hopper, said screw comprising a helix body formed to provide a helical coal-moving thread around a cylindrical core that is of substantially uniform diameter from end to end of the screw, the thread within the conduit being of a uniform diameter nearly equal to the inside diameter of

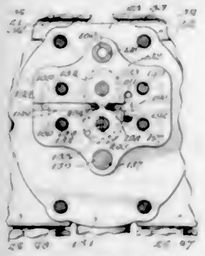
said conduit, and said thread continuing of undiminished diameter into the hopper for an appreciable portion of the length of the hopper bottom and being then reduced in diameter appreciably for the major portion of the length of said hopper and finally enlarged again to the first diameter for the balance of the length of said hopper.

2,233,708
AUTOMOBILE WINDSHIELD
Charles E. Norton, Evanston, Ill.
Application May 6, 1940, Serial No. 333,496
1 Claim. (Cl. 296—84)



In an automobile having a body, an integral windshield forming part of said body and comprising a transparent sheet shaped to conform to the surface of a portion of a sphere having its center of curvature located in the longitudinal median plane of the body and at a substantial distance below the normal level of the eyes of a person seated in the automobile.

2,233,709
FUEL SUPPLY UNIT FOR OIL BURNERS
Herbert C. Osborne, Racine, Wis., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application January 2, 1937, Serial No. 118,794
1 Claim. (Cl. 103—126)



A liquid fuel pump adapted to be assembled differently for rotation in either direction, comprising a metal base member having a plane face for supporting a pump assembly, said member having a shaft bearing, a drive shaft in said bearing, a pair of metal posts mounted in apertures of said base member and projecting from said face, a first gear housing plate, a bearing plate, and a second gear housing plate carried by said posts, a cover plate and means for securing said plates to said base member, a reservoir surrounding all of said plates; said base member having a pair of pump conduits at each side of said shaft, each of said gear housing plates having communicating cylinder bores for housing two intermeshing gears, and one of said housing plates having apertures forming continuations of said conduits, said bearing plate having bearings for said drive shaft and a stub shaft, pairs of gears in said bores on said shafts, one pair being larger than the other, said bearing plate having on each side thereof a slot extending from the edge of said bearing plate to one side of each pair of the meshing gears, and said bearing plate having on each side a three branch slot, each three branch slot having one branch extending to the other side of each pair of the meshing gears, and having branches extending into registry with the pump conduits from said base member, whereby said bearing plate may be inverted to adapt the pump for rotation in either direction.

2,233,710
WHEELBARROW
George O. Osterkamp, Burbank, Calif.
Application June 12, 1939, Serial No. 278,596
1 Claim. (Cl. 280—52)



A wheelbarrow having a frame, a running gear wheel at the forward end thereof, a pair of shares extending from the rear thereof, a body member mounted upon said frame and extending forwardly and upwardly over the running gear wheel, the body member having a relatively narrow floor of substantially uniform width comprising a horizontal portion and an upwardly and forwardly extending continuation thereof to a point above the running gear wheel, a back wall extending upwardly and rearwardly from said floor, outwardly and upwardly flaring side walls at opposite sides of the horizontal portion of said floor and outwardly and upwardly tapering side walls forming continuations of the first named side walls with their upper marginal edges converging toward the forward edge of the upwardly inclined floor portion and terminating above the side edges of the upwardly and forwardly extending floor section whereby a pouring throat will be formed by said floor and side walls.

2,233,711
DOOR AND PANEL CONSTRUCTION
Michel Pasquier, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application September 19, 1938, Serial No. 230,557
5 Claims. (Cl. 20—35)



1. A construction for doors and panels and the

like having a frame overlaid on both sides thereof with plywood consisting of a plurality of plies of wood veneers, the grains of successive plies of wood veneer being normal to each other, and a sheet of metal interposed between and bonded to transverse plies of wood veneers on each side of said frame for counteracting unequal stresses imposed thereupon by the expansion or contraction of said wood veneers, the grain of each ply of veneer bonded to the metal being normal to the grain of the other ply of veneer bonded thereto.

2,233,712
HAIR CURLER
Benjamin F. Pryor, River Rouge, Mich., assignor to The Devilbiss Company, Toledo, Ohio, a corporation of Ohio
Application December 29, 1939, Serial No. 311,566
5 Claims. (Cl. 132—41)



1. A curling device of the class described including pivotally connected outer tongue members about which hair is formed, and a relatively movable inner member cooperating with the inner surface of one of said tongue members to form a clamp for hair ends, said outer tongue members being separable to create a wide opening for the entrance of said hair ends.

2,233,713
FUSE CUTTER
Ed Rhodes, Midvale, Utah
Application October 17, 1938, Serial No. 235,424
3 Claims. (Cl. 86—22)



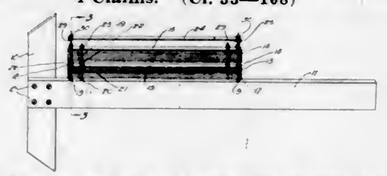
3. A fuse cutter comprising two coacting heads pivotally connected with one head having its face formed into a cutting blade and the other head having its face formed with a flat surface in which semi-circular grooves are cut, one groove being longitudinal of the head, one transversely of the head and the other at an acute angle to the longitudinal groove said grooves to hold a fuse for cutting in any of the three positions possible; and a cleaning slot through the bottom of the longitudinal groove said slot to provide cleaning means for the cutter blade.

2,233,714
AUTOMATIC DISPENSER AND LOCK RELEASE MECHANISM FOR GAMES
Charles Ross, Los Angeles, Calif.
Application July 21, 1939, Serial No. 285,717
2 Claims. (Cl. 273—139)



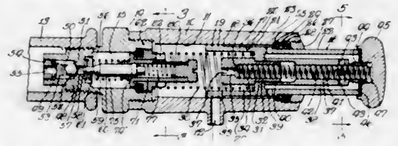
1. A game apparatus including a game board having a punch receiving opening therein, a compartment carried by said board and adapted to contain an article, a closure movable for closing and for affording access to the interior of said compartment, means for locking said closure in closed position, a plug in said opening adapted to be moved by contact with a punch or other member which may be inserted into said opening, and means operating responsive to such movement of said plug for releasing said locking means.

2,233,715
RULER
Thomas Rea, Detroit, Mich.
Application October 23, 1940, Serial No. 362,307
4 Claims. (Cl. 33—108)



1. A ruler of the kind described as comprising a T-square, a plurality of ruling bars evenly spaced from each other, and a guiding bar spaced from said plurality of ruling bars, said ruling bars and the guiding bar being affixed to the blade of the T-square in the plane thereof.

2,233,716
LATHER DISPENSING VALVE
Bruno W. Seidel, Chicago, Ill., assignor to U. S. Sanitary Specialties Corporation, a corporation of Illinois
Application June 6, 1938, Serial No. 212,083
11 Claims. (Cl. 299—83)

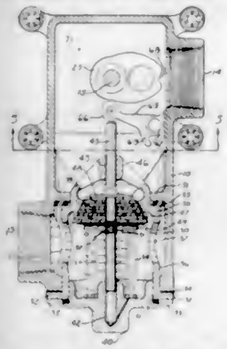


4. In a dispensing device, the combination of a casing having a main inlet port and an outlet port, a plunger operable in said casing to eject lather through said outlet port, a second casing forming the connection between the liquid supply and said first named casing, a supplemental inlet port located in said second named casing through which liquid is supplied to said second named casing, means actuated by said plunger for controlling the passage of liquid through said main inlet port and said supplemental inlet port, and means comprising a confining valve actuated by said plunger to close said supplemental inlet port when said main inlet port is opened.

2,233,717
VALVE MECHANISM
Ivar L. Shogran, Los Angeles, Calif., assignor to Douglas Aircraft Company, Incorporated, Santa Monica, Calif.
Application January 3, 1939, Serial No. 249,001
4 Claims. (Cl. 251—132)

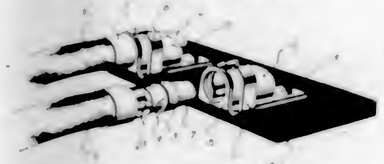
4. A valve unit comprising in operative relation, a valve housing forming a chamber having an inlet port and a chamber having an outlet port, a removable valve cage in said inlet port chamber and extending in part into said outlet port chamber, the cage having a valve seat, poppet valve means movable into and out of registry with said seat to control fluid flow from the inlet port to the outlet port, the valve means

including a stem slideably carried by the cage and extending into the outlet chamber and a laminated elastic head mounted on the stem, dual spring means to urge the valve toward its



seat, a shaft mounted for rotation in said outlet chamber, and a cam means mounted on said shaft and rotatable therewith to raise the said valve from its seat.

2,233,718
SEPARABLE ELECTRICAL CONNECTION
Edgar M. Soreng, Chicago, Ill., assignor to Soreng-Manegold Company, Chicago, Ill., a corporation of Illinois
Application October 10, 1938, Serial No. 234,142
7 Claims. (Cl. 173—328)



6. A terminal comprising: two superimposed plates; opposed substantially semi-cylindrical resilient side walls extending up from one of said plates and forming a tubular passageway parallel to said plates into which a substantially cylindrical wire tip is adapted to be received and for constraining the wire tip to endwise insertion thereinto; opposite arms extending up from the sides of the other of said plates, said arms being curved so as to encircle the semi-cylindrical side walls forming the tubular passageway; and a guide on said other plate positioned ahead of the tubular passageway to facilitate insertion of a wire tip therein.

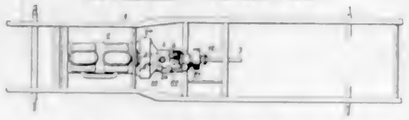
2,233,719
METHOD OF PRODUCING METAL SHELF SUPPORT CHANNELS
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application August 2, 1939, Serial No. 287,919
2 Claims. (Cl. 29—155)

1. The herein described method of producing a back post which consists, in providing an elongated plate of flat metal, bending flanges, one at each longitudinal edge thereof and extending in the same direction from the plate, striking two parallel series of spaced apart tongues from the metal longitudinally thereof and substantially symmetrical to the center line of the plate, said tongues in each of the rows lying at an acute angle to the plate and reversely positioned with respect to each other, bending said plate along its center line into a substantially V-shape longitudinally thereof whereby said tongues of



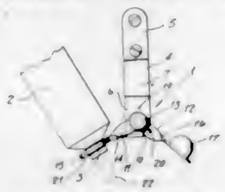
one series are brought toward those of the other series and the flanges at the outer edges of the plate extend outwardly away from each other, and bending the V-form into substantially U-form with one row of tongues brought against and substantially engaging with the other row of tongues at adjacent sides, as specified.

2,233,720
POWER TRANSMISSION MECHANISM
Anthony C. Velo, New York, N. Y., assignor, by direct and mesne assignments, to Vaco Products, Inc., a corporation of Delaware
Application May 31, 1932, Serial No. 614,573
53 Claims. (Cl. 192—.01)



1. In an automobile gear shift mechanism, in combination with variable speed gearing, pneumatic means embodying a cylinder and a piston shiftable in opposite directions therein for automatically operating said gearing for gear shift actions, manually operable means for operating said gearing for gear shift actions, and air vent means for connecting the cylinder of said pneumatic power means on both sides of the piston with the atmosphere in the use of said manually operable means.

2,233,721
DISPENSING DEVICE
Charles W. Ward, Los Angeles, Calif.
Application December 8, 1939, Serial No. 308,199
5 Claims. (Cl. 221—60)



3. In a device of the character disclosed, a bracket adapted to be secured to a supporting structure, an arm swingingly mounted at one end of said bracket, said arm formed with a threaded bore to receive the threaded neck of a collapsible tube and said arm normally being swung from a vertical position under influence of gravity when a collapsible tube is secured thereto; a second arm swingingly mounted to said bracket, said second arm formed with a concavo-convex cap, resilient means urging said arm and its cap to overlie the opening of the first arm and the neck of any tube secured thereto,

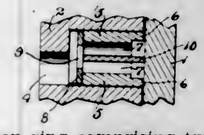
and stop means for said bracket for limiting movement of the resiliently urged arm in one direction.

2,233,722
APPARATUS FOR THE PRODUCTION OF DENTURES AND METHOD OF MAKING SUCH APPARATUS
Bruno Weigele, Leipzig, Germany
Application July 1, 1938, Serial No. 217,014
In Germany July 5, 1937
8 Claims. (Cl. 32—67)



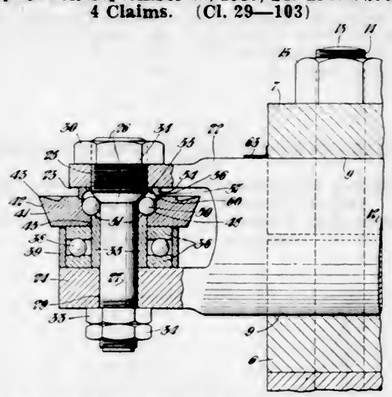
1. Apparatus for use in the treatment of teeth comprising a pin, means for supporting said pin in the free space in the oral cavity of a patient in substantially parallel and spaced relationship to the longitudinal axis of the teeth to be treated, a guide for a dental instrument pivotally mounted on said pin and vertically adjustably securable thereto and so constructed and arranged that the dental instrument may operate selectively on any of said teeth with its axis in substantially parallel relationship to said pin.

2,233,723
OIL CONTROL PISTON RING
John H. Ballard, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application October 30, 1939, Serial No. 301,938
2 Claims. (Cl. 309—45)



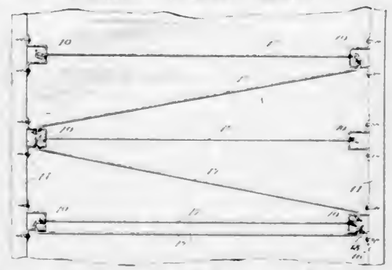
1. A piston ring comprising two ring members of cast metal of identical form located one over the other and reversely positioned with respect to each other, each of said ring members being parted at one side and including a body of rectangular cross section and a continuous annular rib extending therefrom outwardly at the upper portion of the upper ring member and at the lower portion of the lower ring member, thus providing a continuous annular groove around the two parts of the ring between said ribs, the adjacent contacting portions of said two ring members having a plurality of spaced radial grooves therein extending upwardly into the body of the upper ring member and downwardly into the body of the lower ring member, a third member of thin flat steel parted at one side, located between the two ring members, dividing the groove into upper and lower grooves, said radial grooves providing passages leading from said upper and lower grooves through the ring members above and below the steel member, all of said ring members normally springing open at their partings when free of peripheral pressure and being contracted and the partings closed when located within an engine cylinder, the radial depth of the steel ring member being the same and not exceeding the combined depth of the body and rib of a cast ring member, and a spring expander member adapted to be located within and against the inner curved edges of all of said ring members, said expander being of a generally circular form but adapted to be compressed between the ring members and the bottom of a piston ring groove and having a plurality of spaced openings therein around the length thereof communicating with the passages both above and below said steel member.

2,233,724
CUTTING TOOL
Bryant Bannister, Mount Lebanon, Pa., and George C. Greenwood, Lorain, Ohio, assignors to National Tube Company, a corporation of New Jersey
Application September 22, 1939, Serial No. 296,146
4 Claims. (Cl. 29—103)



1. A rotatable cutting tool comprising a bifurcated shaft, a spindle extending between the bifurcations of said shaft, an anti-friction bearing carried by said spindle, and a rotatable cutting disk mounted on said anti-friction bearing.

2,233,725
CLOTHESLINE BRACKET
Lucien Begin and Philip Rosenbloom, Lewiston, Maine
Application March 25, 1940, Serial No. 325,882
1 Claim. (Cl. 211—119.01)

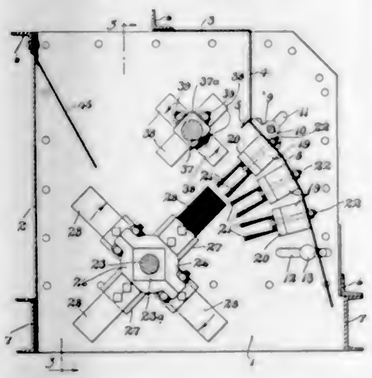


The combination with a clothesline having knots at the ends, of a bracket of U-form in plan adapted to be attached to a support with its open, or rear, side facing the support, the bracket being provided in its front and lateral sides with vertical slots open at their upper ends and receiving the clothesline with one of the knots bearing against the inner face of the bracket, to removably secure the clothesline to the bracket, ears carried by the rear edges of the lateral sides of the bracket and extending outwardly with relation to the lateral sides of the bracket, and means carried by the ears for securing the bracket to the support.

2,233,726
METHOD OF TREATING LOW CARBON OPEN HEARTH STEEL
Harvey Ross Belding, Sharon, Pa.
No Drawing. Application June 6, 1940, Serial No. 339,195
2 Claims. (Cl. 75—58)

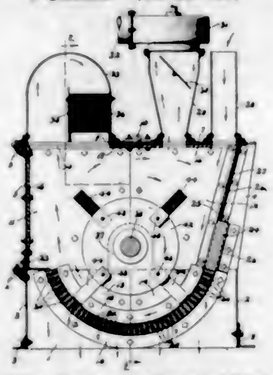
2. In the making of low carbon open hearth steel of not more than 0.15% carbon, the method of deoxidation which includes adding to the said steel prior to its introduction to the ingot molds substantially less deoxidizer than is required for complete deoxidation, and then adding to the steel while it is being teemed into the ingot molds a greater amount of aluminum than is required for complete deoxidation, whereby the steel contains alloyed aluminum, the first addition of deoxidizer being between 35% and 90% of that amount required for complete deoxidation.

2,233,727
APPARATUS FOR CONDITIONING MOLDING SAND
Willard J. Bell, Newaygo, Mich., assignor of one-half to Millard J. Bell, Newaygo, Mich.
Application October 26, 1938, Serial No. 236,979
6 Claims. (Cl. 83—11)



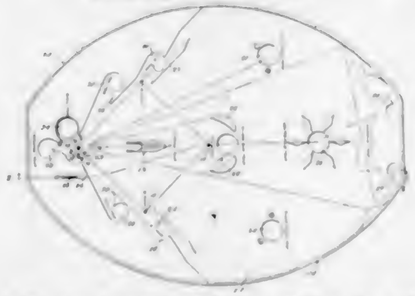
3. In a machine of the class described, a housing open at its lower side and having an entrance for material at its upper side, a horizontal rotatable shaft extending through the housing, a plurality of arms extending radially outward from the shaft and carried thereby, a material directing means carried by the housing below said entrance opening for directing material ahead of the movement of the arms, said shaft being rotatable in a direction whereby the arms engage and disintegrate said material, a member carried by the housing having a plurality of wire brush elements projecting therefrom toward said arms, the ends of which come closely adjacent to the outer ends of the arms on said shaft, a second horizontally rotatable shaft extending through said housing and mounted above and in a vertical plane between the first shaft and said wire brush elements, and a plurality of arms having rectangular cross section in a plane parallel to the radii carried by and extending radially outward from the second shaft, said second shaft being rotatable in a direction opposite to the rotation of the first shaft to receive material projected thereto from the first named arms and impel same to between said first named arms and said wire brush elements.

2,233,728
APPARATUS FOR RENOVATING MOLDING SAND
Willard J. Bell, Newaygo, Mich.
Application October 26, 1938, Serial No. 236,980
4 Claims. (Cl. 83—11)



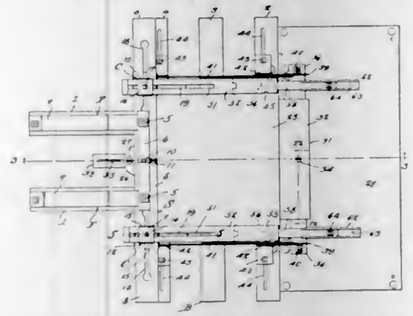
1. A machine for renovating molding sand having therein ashes, dust and portions held together in lumps comprising, a main housing to receive said sand, a grating in the bottom of said housing to pass the renovated sand, a plurality of rapidly rotating knives in said housing to contact the sand as it enters the housing, an outlet chimney at the upper part of the housing having a suction fan therein, a second housing adjacent said chimney above and to one side of said knives and an inclined screen occupying a portion only of said second housing having its lower end leading to a point outside the housings, whereby the dust and ashes stirred up by said knives will be drawn out through the chimney and the lumps will be thrown upwardly on top of said screen to carry out solid refuse and permit the sand particles to be returned to the main housing.

2,233,729
AMUSEMENT DEVICE
Chester A. Brink, Kingsley, Pa.
Application December 18, 1939, Serial No. 309,872
4 Claims. (Cl. 273—89)



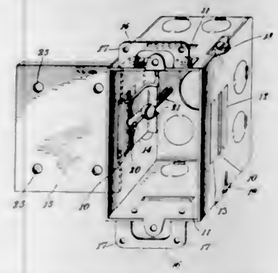
1. In an amusement device of the character described, a playing board having a diamond marked thereon to simulate a base ball field, a spring actuated impelling means for delivering a projectile towards the home plate, a pivoted batting means in rear of the home plate in line with the projectile impelling means, a spring for operating the impelling means, means for locking the impelling means in operative position against the tension of the spring, spring means for operating the pivoted batting means, a spring tensioned toggle snap arm for operating the batting arm, and a rod connecting the toggle snap arm with the locking means of the impelling means, whereby the first part of the movement of the toggle snap arm releases the impelling means and thereafter operates the batting means.

2,233,730
DEVICE FOR HOLDING PAPER
James J. Britton, Fort Myers, Fla., assignor of one-fourth to I. A. Carroll, Lakeland, Fla.
Application May 22, 1940, Serial No. 336,630
5 Claims. (Cl. 271—61)



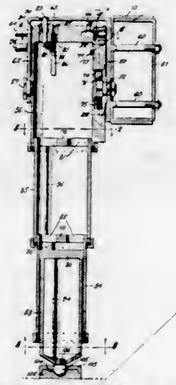
1. In a machine for handling wrapping paper, a frame including a fixed, paper-holding table, an upright carried by the frame, a slide mounted to move vertically on the upright, a paper-engaging element carried by the slide, carriages adjustable on the slide, transversely of the machine, forwardly presented arms adjustable on the carriages longitudinally of the machine, and members hinged to the arms for vertical swinging movement and provided with means for engaging a stack of paper on the table.

2,233,731
OUTLET BOX
Louis Budnick, New York, N. Y., assignor to Sadye Budnick, New York, N. Y.
Application February 7, 1938, Serial No. 189,155
5 Claims. (Cl. 220—3.6)



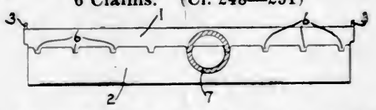
5. An outlet box provided at its open end with external rigid resistance means, a hole in the box removed a substantial distance from the open edge of the box, a swinging element extending through said hole, its outer end being swingable towards the box bottom and flat against the side, means within the box engageable with the inner end of the element to move the element back and to hold it.

2,233,732
BUILT-IN JACK FOR MOTOR VEHICLES
Lester L. Campbell, Boone, W. Va., assignor of one-half to Norman L. Cardey, Winona, W. Va.
Application May 2, 1939, Serial No. 271,375
2 Claims. (Cl. 254—86)



1. The combination with a motor vehicle chassis, of jacks formed of telescopically assembled sections, a support for each jack carried by the chassis, gudgeons extending from the upper section of each jack journaled in said support to permit the jack to be swung to horizontal inoperative position against the chassis and to be swung to vertical operative position below the chassis, a fluid pressure passage in the upper section of each jack, a latch means carried by the chassis and engageable with the upper section of a respective jack to hold the jack in horizontal inoperative position, valve operated means in said passage for moving said latch means to released position, valve operated means in said passage connected to one of said gudgeons to positively rotate the jack to vertical operative position after release of the latch means, there being ports in the sections permitting the fluid pressure medium to equalize throughout the sections to hold the jack in extended position after actuation of the jack rotating means, and bypasses in the sections permitting release of excess fluid pressure, withdrawal of the fluid pressure medium from the sections reversing the operation of said jack rotating means to return the jack from the vertical to the horizontal released position.

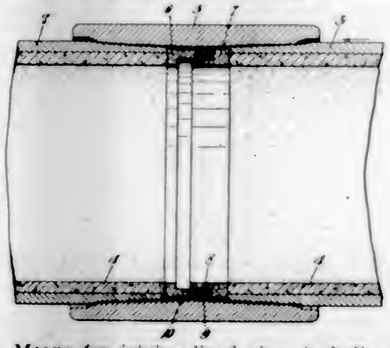
2,233,733
MOUNTING FOR HANG RODS
Earl L. Clouse, Comstock Park, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application January 8, 1940, Serial No. 312,872
6 Claims. (Cl. 248—251)



5. A device of the class described comprising, a back member and a front member formed from an integral piece of sheet metal spaced apart and joined at their lower edges, said front member having a plurality of notches in its upper edge, means for supporting the back member and a tubular rod having a slot extending sub-

stantially half way therethrough spaced from its end a distance less than the space between said front member and back member, said notches being arranged in pairs and spaced apart substantially the diameter of said rod.

2,233,734
PIPE JOINT
Paul C. Ely, and John M. Hopkins, McKeesport, Pa., assignors to National Tube Company, a corporation of New Jersey
Application June 1, 1939, Serial No. 276,912
3 Claims. (Cl. 285—148)



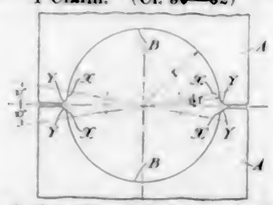
1. Means for joining lined pipes including, in combination, an interiorly threaded coupling, a pair of inter-engaging annular members of non-corrosive material arranged within said coupling substantially centrally thereof, one of said annular members being positioned against the end of one of said pipes and having a smaller outer diameter than the inner diameter of the coupling so as to provide a space therebetween, the other of said annular members being positioned against the end of the other of said pipes and having an inner diameter slightly larger than the outer diameter of said first mentioned annular member and which is adapted to telescope therewith, and a plastic sealing cement disposed in the space between the annular member and the coupling whereby the same is forced into any openings in the joint when the coupling is screwed onto the ends of the pipes and the same is securely drawn together thereby.

2,233,735
IRONING TABLE STRUCTURE
Horace B. Fay, Willoughby, Ohio, assignor to Gridiron Steel Company, Cleveland, Ohio, a corporation of Ohio
Application August 6, 1938, Serial No. 223,441
5 Claims. (Cl. 38—137)



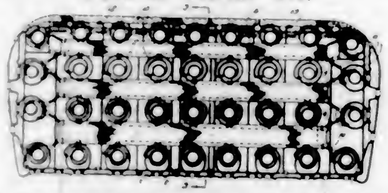
3. In an ironing table top, the combination of two metal sheets placed in juxtaposition, and means for spacing the two sheets consisting of a series of continuous longitudinal ribs pressed out of the lower sheet, these ribs being rigidly secured to the top sheet, the edge of said top sheet being formed into a continuous down-turned flange and having its lower edge portion formed into a hollow bead enclosing the raw edge of the bottom sheet and preventing hand contact with the raw edge of the flange material.

2,233,736
METHOD OF MAKING TUBULAR WORKPIECES
Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application November 17, 1937, Serial No. 175,157
1 Claim. (Cl. 80—62)



A method of making tubular workpieces which includes supporting a tube over an interiorly disposed mandrel, compressing said tube at diametrically opposite points over arcuate areas of 170 degrees to 175 degrees to thereby cause a slight overfill but no fin at the portions on the exterior of the tube not under compression, said last-named step being conducted without producing any substantial change in the outside diameter of the tube, and subsequently removing surface irregularities and said slight overfills by a reeling operation.

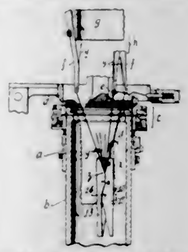
2,233,737
SEAT SPRING
Clare H. Graham, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 17, 1939, Serial No. 268,159
2 Claims. (Cl. 155—179)



1. In a seat spring, the combination of border frames, one of the border frames provided with cross members, springs anchored at one end to the cross members and spacing strips of flexible material connecting the springs together at the other ends, the said spacing strips being connected to the end springs of the assembly by a yieldable member, the said connection being in the form of a loop of the material of the spacing strip at each end and a small coil spring threaded through the loop and connected at each end to springs in the end row of springs.

2,233,738
YARN-END HANDLING DEVICE
Benjamin Grill, Valdese, N. C., assignor to Waldensian Hosiery Mills, Inc., Valdese, N. C., a corporation of North Carolina
Application November 17, 1939, Serial No. 304,876
11 Claims. (Cl. 66—135)

11. For the knitting purposes described, a freely movable weight carrying a combination means manually operable both to sever and clamp in one



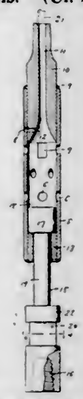
operation a bunch of yarns applied thereto, and having sufficient gravity thereupon to tauten operatively the bunch of yarns.

2,233,739
ANTIGLARE ATTACHMENT
Anastasio Gutierrez, Mexico, D. F., Mexico
Application February 3, 1939, Serial No. 254,518
In Mexico February 11, 1938
5 Claims. (Cl. 296—97)



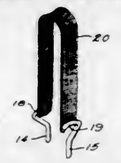
1. An antiglare screen of the character described, comprising a frame, said frame including spaced inner vertical and horizontal united members, light diffusing material carried by said horizontal members and embedded within a transparent panel and exterior members for confining said vertical and horizontal members.

2,233,740
COMBINATION ROPE SOCKET AND JAR
Russell Oran Heater, Cary, N. C.
Application January 13, 1940, Serial No. 313,791
2 Claims. (Cl. 255—27)



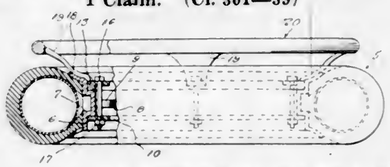
1. A combined socket and jar comprising an elongated perforated cylinder, a shank having a head on its upper end slidably arranged in the cylinder, a sectional sleeve fastened in the lower end of the cylinder and through which the shank passes, the upper end of the sleeve forming a shoulder for engagement by the head, a bored plug having a lower portion fastened in the upper portion of the cylinder, the lower end of the bore of the plug being enlarged to receive an enlarged end of a cable passing through the bore of the plug, that part of the cylinder between the lower end of the plug and the upper end of the sleeve forming a chamber through which the head of the shank moves, some of the perforations forming drain openings for the chamber and the lower part of the plug having a transverse opening therein registering with a perforation in the cylinder and in communication with the enlarged part of the bore for permitting material to be introduced into the large part of the bore to hold the cable end therein.

2,233,741
CATHODE ELECTRODE
Kurt F. J. Kirsten, Seattle, Wash.
Application November 21, 1938, Serial No. 241,617
1 Claim. (Cl. 176—126)



In a lamp of the character described, a cathode electrode of the metallic oxide coated type, comprising a ribbon strip of fine mesh wire screening, formed into a U-shaped loop and supported at its ends by means for supplying current thereto and extending in the direction of the arc path to the opposite electrode; said strip comprising a multiplicity of continuous longitudinal strands from end to end, each having electrical connection at its ends with the supports, transverse strands in close relationship across the longitudinal strands, and said supports being shaped to transversely cup the ribbon strip.

2,233,742
SAFETY WHEEL
Lloyd R. Lowry, Sr., Weatherford, Okla., assignor of one-half to Richard Stanley, Weatherford, Okla.
Application January 23, 1940, Serial No. 315,273
1 Claim. (Cl. 301—39)



In combination, a pneumatic tire, a rim mounting such tire, said rim including an inwardly extending central part and a rim flange, projecting on one side of the central part, a wheel web supporting said rim and attached to said central part, said wheel web having circumferentially spaced openings adjacent the central part, a clamping ring engaging one side of said central part and having legs registered with said openings, a mounting ring engaging the opposite side of said central part and reaching to said rim flange, said mounting ring having lugs registering with said openings and the first-mentioned lugs,

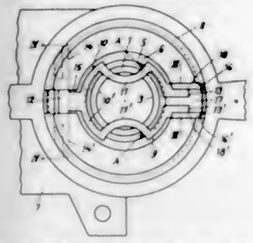
clamping bolts traversing said openings and each of said registered lugs and holding the rings in place, spokes radiating from said mounting ring and lying along said rim flange, and a ground-engaging annulus fixed to the outer ends of said spokes, and thereby supported in laterally spaced relation to and concentrically spaced inwardly from the periphery of the tire.

2,233,743

RESILIENT FASTENING DEVICE FOR BEARINGS, PARTICULARLY FOR BALANCE STAFFS OF WATCHES

Fritz Marti, La Chaux-de-Fonds, Switzerland

Application October 31, 1938, Serial No. 238,057
In Switzerland November 8, 1937
5 Claims. (Cl. 58—140)



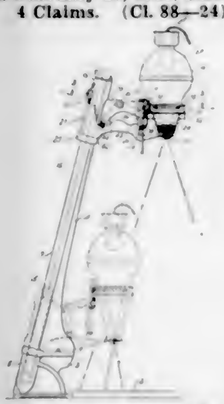
1. A resilient fastening device for the cap jewels of bearings for balance staffs of watches, comprising a bearing support, an annular spring support having shoulders carried by the bearing support, a cap jewel-engaging spring held by said support, one end of said spring being permanently and pivotally attached to one side of the spring support so as to be able to be pivoted only in a plane perpendicular to the plane of said support and the other end of the spring being removably secured to the other side of the spring support by means of its own resiliency in addition to the shoulders of the support.

2,233,744

AUTOFOCUS ENLARGER

Robert E. Meder, Milwaukee, Wis.

Application February 17, 1939, Serial No. 256,923
4 Claims. (Cl. 88—24)



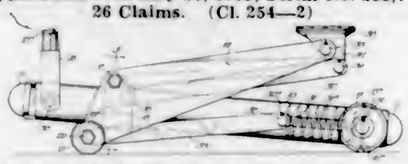
1. In an autofocus enlarger, the combination with a column provided with a cam surface and a partially counterbalanced carriage mounted to slide along the column and adapted to support a lens in a horizontal position in all positions of carriage adjustment, of a sub-frame provided with substantially horizontal supporting means, a negative holder supported by the carriage in superposed relation to the sub-frame, a bell crank pivoted to the carriage with one end provided with a follower for engagement with the cam surface, link means intermediate the other end of the bell crank and the negative holder, slide rods mounted on the carriage and brackets connecting the negative holder with the slide rods, and a yieldable housing connecting the negative holder with the lens, said negative holder being guided by the slide rods in a vertical path to increase and diminish the distance between it and the lens in inverse correspondence to the cam follower movement along the cam.

2,233,745

JACK STRUCTURE

Leonard D. Nilson, Wayzata, Minn., assignor to Vulcan Manufacturing Co., Inc., St. Paul, Minn., a corporation of Minnesota

Application February 27, 1939, Serial No. 258,779
26 Claims. (Cl. 254—2)



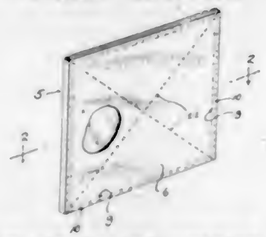
23. In a hydraulic jack structure, a tubular body member, a lifting arm pivoted thereto, an axially extending slot in the side of said body member, a lifting pin extending therethrough, an operative connection between said lifting pin and said lifting arm and a removable hydraulic unit within said body member and operative to move said lifting pin longitudinally of said slot to impart lifting movement to said lifting arm.

2,233,746

CLEANING PAD

John K. Potter, Chico, Calif.

Application July 31, 1939, Serial No. 287,625
1 Claim. (Cl. 15—209)



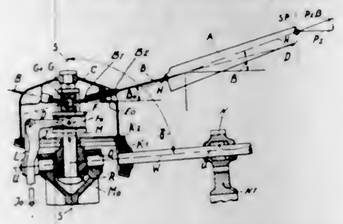
A window cleaning pad consisting of a substantially rectangular sheet of burlap folded upon itself and having one end edge folded back to lie beneath the other end edge, a sheet of chamois located between the folds of burlap with one edge abutting the backwardly folded edge of the burlap, a double row of stitching extending around the periphery of the pad, one row of said stitching passing through the folded back edge of the burlap, the bottom end beneath and the edge resting thereon the other row of stitching extending through both layers of the burlap and the periphery of the chamois, and diagonal stitching extending between the corners of the pad and passing through both layers of burlap and the chamois.

2,233,747

HELICOPTER

Alois Riedl, Dresden, Germany, assignor to the firm Henschel Flugzeug-Werke Aktiengesellschaft, Schonefeld, Kreis Teltow, Germany

Application January 3, 1939, Serial No. 249,121
In Germany December 23, 1937
15 Claims. (Cl. 244—17)



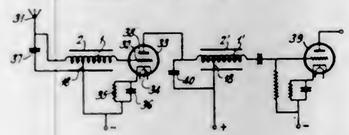
1. In a rotor of the articulated blade type for rotary-wing aircraft, a rotatable blade support carrying two or more blades, each blade being capable of freely rotating about an inclined axis, said inclined axis forming with a plane normal to the rotor axis an angle which is variable to accord with varying conditions of flight, said inclined axis being inclined relative to the main axis of inertia of the blade, and said inclined axis and main axis of inertia intersecting between the center of gravity of the blade and the rotor axis, and the distance, measured in parallel projection to the rotor axis, of the center of gravity of the blade from the inclined axis being equal to between 0.2 and 8 times the length of the smallest inertia radius of the blade, which smallest inertia radius is equal to the square root of the ratio of the smallest mass inertia moment of the blade: blade weight.

2,233,748

HIGH FREQUENCY COIL

Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Original application April 24, 1936, Serial No. 76,122. Divided and this application January 12, 1938, Serial No. 184,545. In Great Britain May 11, 1935
3 Claims. (Cl. 179—171)



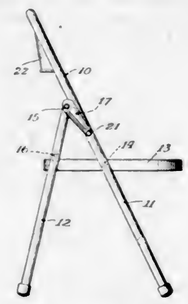
1. A high frequency electrical coil and circuit arrangement comprising a helical coil whose electrical length is one-half a wave length, said coil being concentrically arranged within a split cylindrical member of conductive material, a tap on said helical coil and connected to said split cylindrical member, said tap being located to one side of the electrical center of said coil to obtain presentation of the required impedance at the ends of the coil, an input and an output circuit, said output circuit including a thermionic tube comprising at least an anode, grid, and cathode, at least one end of said coil being connected to the anode of said tube, the other end of said coil being connected to said input circuit, the cylindrical member of said coil being connected to the cathode of said tube.

2,233,749

CHAIR

Irving Salomon, Michigan City, Ind.

Application June 17, 1940, Serial No. 340,952
9 Claims. (Cl. 155—142)



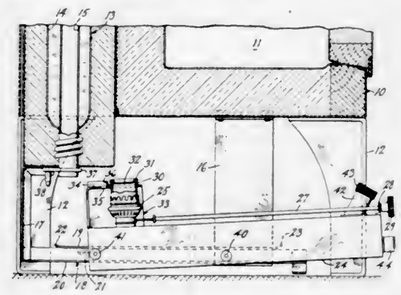
5. A folding or collapsible piece of furniture comprising a seat and a front leg connected thereto and a rear leg operatively connected to said seat and said seat and said front leg and said rear leg being adapted to be folded or collapsed into a generally parallel relationship relative to each other, said front leg and said rear leg lying in a common plane, and means operatively interconnecting the said front leg and the said rear leg together, said interconnecting means comprising a member including a portion operatively connected to the said front leg and including another portion operatively connected to the said rear leg, and said member including a portion having a portion of the said front leg resting thereon when the said piece of furniture is in its erected or upright position.

2,233,750

REFRIGERATOR

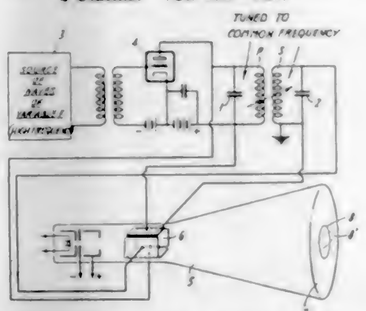
Tage Schullström, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware

Application July 10, 1940, Serial No. 344,622
In Germany July 3, 1939
7 Claims. (Cl. 62—1)



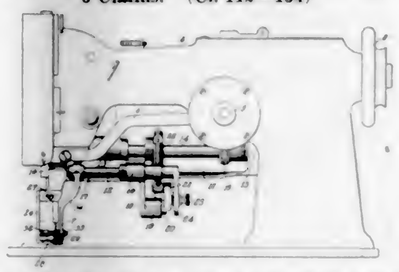
1. In a refrigerator including a heat receiving element having a flue, a removable fuel storage member, a burner mounted near one end of said member, means for supporting and guiding said member during insertion and removal so that said burner passes beneath the lower end of said flue, and means for tilting said one end of the member upwardly when the burner is beneath the flue.

2,233,751
FREQUENCY VARIATION INDICATOR CIRCUIT
Stuart W. Seeley, Bayside, Long Island, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Original application October 17, 1935, Serial No. 45,413. Divided and this application January 14, 1938, Serial No. 184,926
2 Claims. (Cl. 172—245)



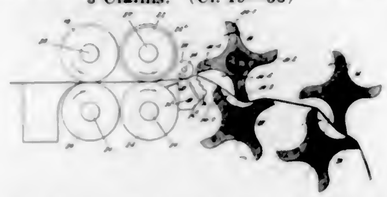
2. In combination with a source of radio frequency waves including means for varying the frequency thereof; a wave transmission network consisting solely of two coupled circuits each exactly tuned to a common desired frequency, means coupling said source to said network, a resonance indicator device of the cathode ray tube type including a fluorescent screen and two pair of deflection electrodes, one pair of electrodes being directly connected to one of said coupled circuits, and the other pair directly to the second circuit; said direct connections being free of any other electrical elements, said screen having a pattern formed thereon whose shape is dependent on the relation between the said desired frequency and that of waves applied to the network.

2,233,752
RUFFLING ATTACHMENT FOR SEWING MACHINES
Victor J. Sigoda, Brooklyn, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York
Application December 31, 1937, Serial No. 182,741
3 Claims. (Cl. 112—134)



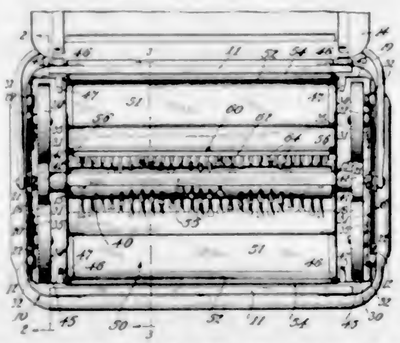
1. An accessory for sewing machines comprising a support adapted to be secured to one side of a sewing machine arm in pendant relation thereto and having a vertical side wall spaced from said arm and a part to extend transversely beneath the arm to the opposite side thereof, ruffling mechanism mounted on the latter part of the support, a power transmitting shaft journalled in the support at the inner side of said side wall and having means for operative connection with an operating element of the sewing machine, and actuating connections between said shaft and the ruffling mechanism.

2,233,753
SCUTCHING MACHINE
Anton F. Burkardt, New York, N. Y.
Application August 10, 1938, Serial No. 224,164
3 Claims. (Cl. 19—33)



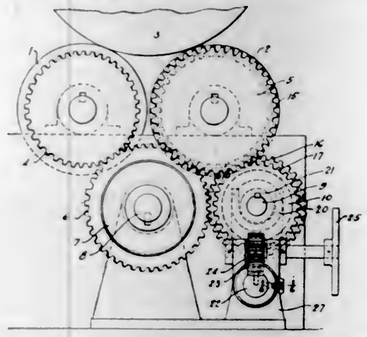
1. In a scutching machine, means to feed stalks of fibre bearing plants lengthwise into the machine, a plurality of scutching rotors revolving in pairs about spaced fixed axes, said rotors each having a plurality of blades and being recessed between adjacent blades, means to rotate the rotors of each pair at the same angular speed and in such manner that the blades of one rotor will cooperate with the recessed portions of the other rotor of said pair during rotation to scutch fibrous material between said rotors, the blades of the rotors of each pair being twisted spirally with the twist of the blades of one rotor being in the opposite direction to the twist of the blades of the other rotor of the pair, whereby a shaking of the fibre is accomplished.

2,233,754
CARPET SWEEPER
Joseph Stern, Newark, N. J., assignor to Sweeper Products Co., Newark, N. J., a corporation of New Jersey
Application January 27, 1937, Serial No. 122,487
2 Claims. (Cl. 15—48)



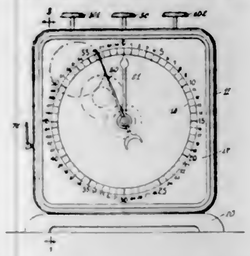
1. A sweeper of the type described comprising a casing having an open top, a driven bristle roll mounted therein, an open top dust-pan removably mounted in said casing adjacent to said bristle roll, socket means secured to the inner sidewalls of said pan, and a comb removably engaged in said sockets, said comb having a back provided with a longitudinal bead for providing frictional contact of the back with the sockets and having teeth adapted to be located in the path of movement of the bristles of said roll.

2,233,755
SLITTING AND WINDING MACHINE
William M. Stocker, Hollis, N. Y., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application June 25, 1940, Serial No. 342,316
3 Claims. (Cl. 164—65)



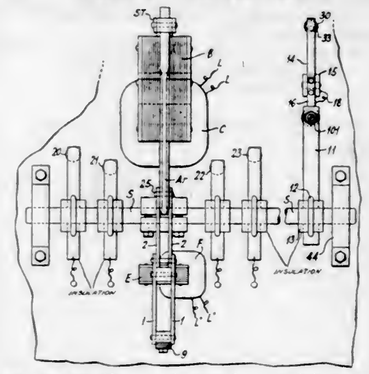
1. In a slitting and winding machine having a rotatable slitter shaft, and having two surface winding drums provided with gears that mesh with an intermediate gear, said gears and said intermediate gear being reversibly rotatable, and means to rotate the slitter shaft always in the same direction regardless of the direction of rotation of the drums including: an additional gear on one of the drums, and two gears rotatable with the slitter shaft but slidable thereon, one of said two gears being placed in mesh with the intermediate gear when the drums are to be rotated in one direction and out of mesh with said intermediate gear when the drums are to be rotated in the other direction, and the other of said two gears being placed in mesh with the additional gear on one of the drums when said drums are to be rotated in said other direction and out of mesh with said additional gear when the drums are to be rotated in the first-mentioned direction.

2,233,756
TIMING DEVICE
Otto Uhl, Jr., Flushing, N. Y.
Application June 28, 1940, Serial No. 342,914
10 Claims. (Cl. 161—15)



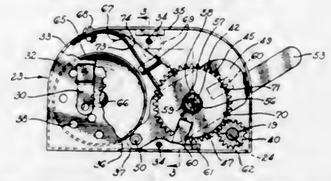
1. A timing device comprising a longitudinally displaceable shaft, an indicator hand secured to said shaft, a clutch unit associated with said shaft and including a clutch disk and a clutch plate, said clutch plate being carried by said shaft and normally engaging said clutch disk, means for longitudinally displacing said shaft whereby said unit is declutched, and means rendered effective incident to declutching said unit for rotatively returning said shaft to its starting position whereby said hand is returned to its starting position.

2,233,757
MAGNETIC SWITCH
George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1938, Serial No. 187,124
7 Claims. (Cl. 200—98)



1. A magnetic contactor comprising a core member, a main armature pivoted with respect to said core member, an auxiliary armature located adjacent and linked to said main armature, a first magnetic coil mounted on said core member for moving said main armature, a second magnetic coil for moving said auxiliary armature, a movable shaft secured to said main armature, a plurality of switch contacts secured to said movable shaft, a switch member arranged near said movable shaft and coupled thereto so that its contacts open to release the energizing voltage on said first magnet after said main armature is closed whereby voltage applied to said second magnetic coil holds said plurality of switch contacts closed.

2,233,758
MARGIN INDICATOR FOR TYPEWRITERS
Justin Arnold Varney, West Los Angeles, and George Hannan Van Brunt, Los Angeles, Calif.
Application February 4, 1939, Serial No. 254,698
7 Claims. (Cl. 197—189)



1. The combination with a typewriter or the like of: a bell; a resilient arm; a clapper mounted on the resilient arm in a position to strike said bell; means rotatable in one direction from an initial position to flex said arm to cause said clapper to strike the bell, said resilient arm being adapted to permit said rotary means to return to its initial position with relatively little opposition; yielding means to return said rotary means to its initial position; releasable means normally connecting said rotary means with the typewriter whereby the rotary means will be moved progres-

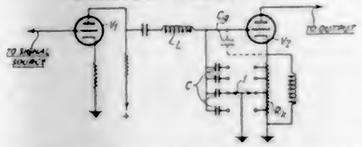
sively from its initial position as a sheet of paper is moved progressively through the typewriter; and manually operable means to release said connecting means to permit said yielding means to return the rotary means to its initial position.

2,233,759

AMPLIFIER WITH NEGATIVE FEEDBACK

Hellmut Werrmann, Berlin-Charlottenburg, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany, a corporation of Germany

Application January 17, 1939, Serial No. 251,301
In Germany January 20, 1938
4 Claims. (Cl. 179—171)



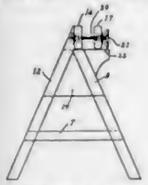
1. In combination with a source of high frequency waves and a tube having input and output electrodes, a coupling path between the source and said input electrodes including a distortion reduction means which comprises the inherent capacity existing between said input electrodes and a coil arranged in series resonance therewith, means providing negative feedback of high frequency voltage from the output electrodes to said input electrodes, said feedback means including an adjustable element for regulating the magnitude of the feedback voltage, and adjustable capacity means simultaneously operable with said adjustable element for maintaining the value of said inherent capacity substantially independent of the feedback voltage magnitude.

2,233,760

VISE

William Wertz, South Gate, Calif.

Application February 16, 1940, Serial No. 319,255
3 Claims. (Cl. 81—41)



1. In a vise, a sawhorse frame, a relatively stationary jaw mounted on the frame, shelf means arranged at the ends of the frame and extending outwardly therefrom, a movable jaw spanning the space between the shelf means and providing an open bottom between the shelf means and between the jaws, the movable jaw being laterally slidable on the shelf means, and means to slide the movable jaw laterally on the shelf means.

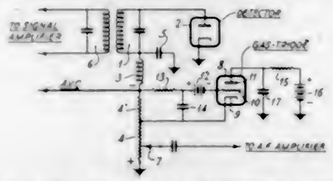
2,233,761

NOISE CONTROL CIRCUITS

Earl I. Anderson, Bayside, Long Island, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application April 30, 1938, Serial No. 205,161
2 Claims. (Cl. 250—20)

1. In combination with a source of modulated carrier waves and a diode detector having a load resistor, means deriving an audio voltage from the load, a gas-triode provided with a characteristic such that a discharge occurs between plate and cathode when the plate voltage overcomes a predetermined control grid bias, means connecting the plate to cathode discharge path of the



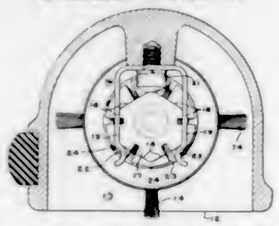
triode in shunt with the load resistor thereby to short-circuit the latter when a discharge occurs, capacity means connected between said load resistor and plate for applying said audio voltage to said plate, and means connecting the triode grid to a point on the load resistor which becomes increasingly negative as the modulated waves increase in intensity.

2,233,762

SUCTION CLEANING APPARATUS

John H. Ashbaugh, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 20, 1938, Serial No. 220,223
8 Claims. (Cl. 15—8)



1. In suction cleaning apparatus, the combination of a nozzle, a rotatable element disposed therein for engaging the surface to be cleaned, a member polygonal in cross-section and having a plurality of sides, said member being provided with a bearing in which the rotatable element is journaled, said bearing being eccentrically disposed with respect to the axis of the member, and resilient means carried by the nozzle and engaging at least one of the sides of the member forming the polygon for supporting the member in the nozzle, said means affording rotary movement of the member about its center while supporting the same, whereby the axis of the rotating element is adjustable toward the mouth of the nozzle.

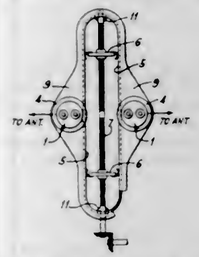
2,233,763

TUNING STRUCTURE

Raymond B. Ayer, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 27, 1939, Serial No. 276,118
4 Claims. (Cl. 250—27)

1. An electron discharge device with a tubular anode, a tuning element for said device comprising a straight, flat strip of metal secured tangentially to and extending in opposite directions from one side of said anode, a flange along the edge of said strip, said flange at least partly surrounding said anode and in good electrical contact with the outer wall of the anode, the sole support for



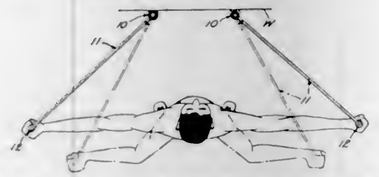
said electron discharge device being supporting insulators at the outer ends of said strip.

2,233,764

EXERCISING DEVICE

Elmer E. Bauermeister, Visalia, Calif.

Application May 20, 1939, Serial No. 274,762
6 Claims. (Cl. 272—83)



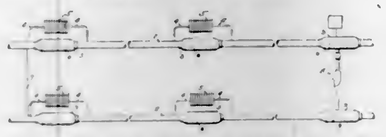
4. An exercising device including two arms, a handle at the outer end of each arm, mounting means for applying the inner end of each arm to a support so the arms independently swing horizontally and project forward from the support toward the operator, and separate means for each arm yieldingly urging the arms in opposite directions so outward tension is applied to the operator's arm when the handles are grasped.

2,233,765

ELECTRIC CABLE SYSTEMS

Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Original application April 16, 1934, Serial No. 720,734. Divided and this application February 19, 1937, Serial No. 126,616
1 Claim. (Cl. 174—15)



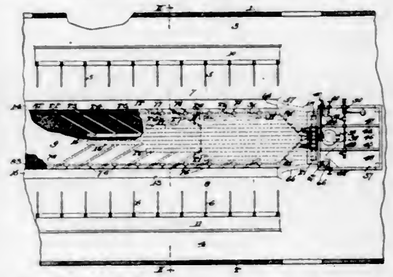
In combination, a plurality of multi-conductor high tension electric cable systems, each of which comprises an unsheathed cable conductor independently insulated with oil permeable impregnated insulating material and loosely enclosed in a pipe line, joints at intervals along said pipe lines, cooling means communicating with said pipe lines and by-passing said joints, oil under pressure sufficiently high to increase its dielectric strength filling the space in the pipe lines unoccupied by the said conductors and their insulation and in which the conductors and their insulation are immersed, cross-connections between the pipe lines, a pump in one of said cross-connections, said pump effecting circulation of the oil under pressure in a closed circuit including said cooling means, and baffles in said joints for increasing the movement of the oil through the cooling means.

2,233,766

APPARATUS FOR CLEANING AND VENTILATING BARNS AND STABLES FOR CATTLE

John W. Bogert, Stamford, Conn.

Application February 19, 1938, Serial No. 191,384
21 Claims. (Cl. 119—16)



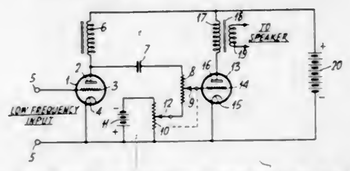
1. In apparatus of the character described, a series of cattle stalls having a common gutter open throughout its length, a cattle walk adjoining said gutter, and a plurality of conduits having longitudinal portions concealed beneath said walk and other portions bent upwardly, said longitudinal portions having outlets opening into one side wall of the gutter, said upwardly bent portions of the conduits emanating from a single source above and at one end of the walk, said outlets terminating at different positions throughout the length of the gutter for conveying a fluid medium thereto for cleaning the same.

2,233,767

AMPLIFIER VOLUME CONTROL

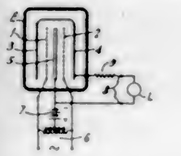
Johannes Augustinus Josephus Bouman, Eindhoven, Netherlands, and Robert George Clark, Beckenham, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application October 22, 1938, Serial No. 236,418
In Germany December 6, 1937
5 Claims. (Cl. 179—171)



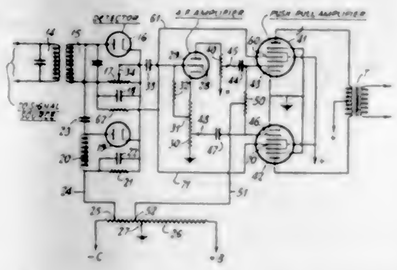
4. In an audio amplifier comprising at least two cascaded amplifier tubes, an audio coupling path between the output circuit of the first tube and the input circuit of the second tube, a negative biasing source connected between the input electrodes of the second tube, and means connected in the input circuit of the second tube for simultaneously adjusting the magnitude of the audio voltage applied to the second tube input electrodes and for varying the value of the negative bias of the second tube in opposite senses.

2,233,768
CONVERTER
Ernst Bruche, Berlin-Reinickendorf, Germany, assignor to General Electric Company, Schenectady, N. Y., a corporation of New York
Application August 25, 1939, Serial No. 291,842
In Germany September 13, 1938
5 Claims. (Cl. 175—363)



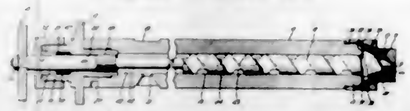
1. An electron discharge device for converting an alternating voltage into a direct voltage of higher potential and including means for supplying electrons, and an output electrode for receiving said electrons, electrodes positioned between said electron supplying means and said output electrode through which electrons pass to said output electrode, and a load circuit including connections for maintaining the output electrode at a potential substantially that of the electron supplying means, means for applying an alternating voltage between the electron supplying means and the electrodes positioned between said electron supplying means and said output electrode to cause the electrons to receive successively greater energy from the electrodes positioned between the electron supplying means and the output electrode to cause said electrons to strike said output electrode whereby the applied alternating voltage is converted to direct voltages in the load circuit.

2,233,769
LOW FREQUENCY MODULATION EXPANDER
Don G. Burnside, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 18, 1939, Serial No. 268,464
10 Claims. (Cl. 250—20)



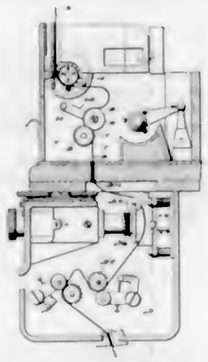
1. In a system for detecting audio modulated carrier waves which includes means for rectifying a portion of the waves to produce audio modulation voltage and a unidirectional voltage whose value is independent of the modulation degree of the carrier, means for rectifying a second portion of the waves to produce a second uni-directional voltage whose magnitude is dependent on the degree of modulation of the carrier, means combining the two voltages in polarity opposition, means utilizing the audio modulation voltage output of said first rectifying means, and means utilizing the said resultant combined voltage to control the said audio utilizing means.

2,233,770
FUEL OIL BURNER
Gere I. Campbell, Wilmington, Calif., assignor of one-twentieth to Edmund J. Rowan, Wilmington, Calif.
Application February 13, 1940, Serial No. 318,668
7 Claims. (Cl. 299—119)



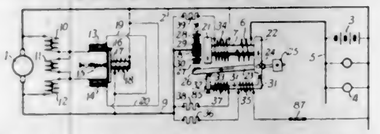
1. A fluid fuel burner comprising a body having an opening, a tip on the body having a tapering socket joining said opening and a discharge orifice leading from the forward end of the socket, the rear portion of the socket being larger in diameter than said opening and the rear wall of the socket forming a seat, a stem arranged in said opening, and a tapering enlarged head on the stem occupying and substantially conforming to the socket, the rear end of the head being larger in diameter than said opening and adapted to cooperate with the seat, and means for conducting the fuel to said opening, said stem having a helical groove for carrying the fuel to the socket and continuing along said head to carry the fuel from said means to the orifice, the rear end of the head being engageable with the seat to oblige the fuel to flow through said groove into the socket.

2,233,771
MOTION PICTURE MACHINE
Pierino Edward Comi, Wollaston, Mass.
Application August 2, 1938, Serial No. 222,691
7 Claims. (Cl. 271—2.3)



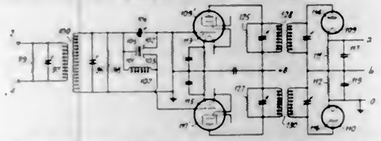
1. In a sound motion picture projecting device in which a film having a projection picture and synchronized sound tracks at the edges thereof pass first through the projection head and then through the sound head, means positioned between the picture projection head and the sound reproduction head comprising a plurality of rollers between which the film is made to pass, said rollers having means bearing upon the edge of the film beyond the sound track for preventing vibration of the film at that point in the system.

2,233,772
ELECTRIC SYSTEM
John L. Creveling, near Tucson, Ariz., assignor to The Safety Car Heating and Lighting Co., a corporation of New Jersey
Original application March 12, 1935, Serial No. 10,646. Divided and this application August 17, 1938, Serial No. 225,283
11 Claims. (Cl. 171—223)



1. In apparatus of the class described, the combination of, an armature, a field for said armature including three electrical units connected in series across said armature, two independent electrical circuits one of which is connected upon each side of the center one of said units, and control means associated with said two electrical circuits to reverse the current of said center one of said units.

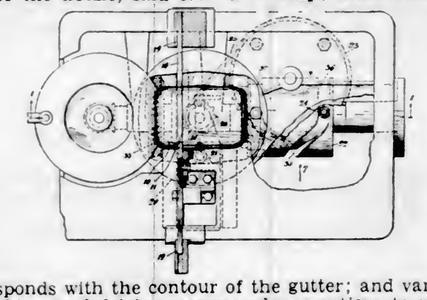
2,233,773
FILTER CIRCUIT
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application January 22, 1938, Serial No. 186,273. Divided and this application April 20, 1940, Serial No. 330,656
4 Claims. (Cl. 178—44)



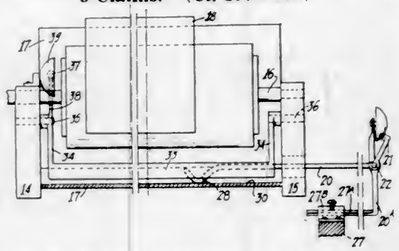
1. In a wave filtering system, an impedance on which wave energy to be filtered may be impressed, an output circuit, a piezo-electric crystal having three electrodes, means connecting a pair of said electrodes and said impedance in a first filter circuit coupled to said output circuit, means connecting a second pair of said electrodes and said impedance in a second filter circuit coupled to said output circuit and reactances connected in shunt to each of said pair of crystal electrodes, to supplement the reactance between both pairs of electrodes.

2,233,774
LINING MACHINE
Willy Diezel, Bridgeport, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a corporation of New York
Application November 28, 1939, Serial No. 306,461
1 Claim. (Cl. 113—80)

In a machine for depositing a liquid lining material in the gutter of a rotating can cover, the several portions of said gutter being at different distances from the center of rotation of said can cover, and in which a nozzle moves back and forth to follow the contour of the gutter, means to cause all portions of the gutter at the moment they pass the nozzle to move relative to the nozzle at identical speed notwithstanding differences in distance of the several portions of the gutter from the center of rotation of the can cover, and to cause the nozzle to move back and forth in a straight line only, at variable speeds to maintain the nozzle over any portion of the gutter that is passing said nozzle, including: a rotatable support for the can cover; a cam and connections to effect back and forth movement of the nozzle, said cam of a shape that corresponds with the contour of the gutter; and variable-speed driving means and connections to rotate said support and cam at speeds to compensate for variations in distance of the several portions of the gutter from the center of rotation of said support.

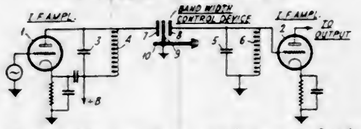


2,233,775
WRITING MACHINE ATTACHMENT
Raymond Dow, Flushing, N. Y.
Application March 3, 1939, Serial No. 259,505
5 Claims. (Cl. 197—187)



1. In a writing machine, in combination, a stationary frame, a movable carriage in the frame including, a platen, a paper guide passing under said platen and having a longitudinal channel therein, a side margin-gauge mounted on the frame and having an arm disposed between said guide and the platen and normally held out of the channel by paper passing about said platen and a signal actuated by said margin gauge arm as the latter drops into the channel as one side edge and the lower edge of the paper moves from thereunder as the writing progresses.

2,233,776
BAND WIDTH CONTROL DEVICE
Dudley E. Foster, South Orange, N. J., and William S. Barden, Grasmere, Staten Island, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application January 7, 1938, Serial No. 183,836
1 Claim. (Cl. 178—44)



In a variable coupling condenser, adapted for variably coupling a pair of fixedly tuned circuits

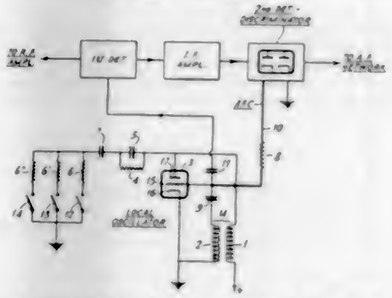
thereby to adjust the band width of the circuits over a relatively wide range, a pair of parallel spaced stator plates, a rotor plate disposed centrally of said pair of plates, a grounded rotatable support element for the rotor plate, said rotor plate comprising at least two insulated metal sections, one of said sections being substantially thinner than the other section, said thinner section being affixed to said support element.

2,233,777

AUTOMATIC FREQUENCY CONTROL CIRCUIT

Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 7, 1938, Serial No. 217,844
1 Claim. (Cl. 250—20)



In a superheterodyne receiver of the type including an intermediate frequency transmission network and a discriminator circuit adapted to derive a direct current voltage from the intermediate frequency energy whose polarity and value is a function of the sense and magnitude of frequency departure of the intermediate energy from an assigned intermediate frequency value, a local oscillator of the type whose frequency is a function of positive and negative resistance and which comprises a tube having at least a cathode, control grid and anode, means for regeneratively coupling the anode and grid to provide said negative resistance, variable resistive means adjustable to different values in circuit with the tube to provide said positive resistance, means for varying said resistive means to tune the oscillator to a desired frequency, and means for applying said direct current voltage to the oscillator tube grid thereby to vary the magnitude of said negative resistance sufficiently to adjust the oscillator frequency for correction of oscillator frequency inaccuracy at a selected positive resistance value.

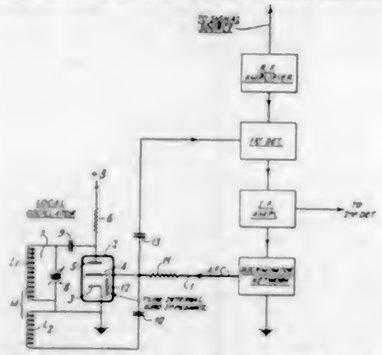
2,233,778

AUTOMATIC FREQUENCY CONTROL CIRCUIT

Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 15, 1938, Serial No. 219,318
5 Claims. (Cl. 250—36)

1. In an oscillator network, a tube provided with at least a cathode, control grid and plate, a tank circuit including means for tuning it over a wide range of frequencies, said tank circuit being connected between the plate and cathode, inductive means coupling the control grid to said tank circuit to provide feedback for the production of oscillations, the reactive magnitude of said inductive means being large compared to the magnitude of the internal grid to cathode impedance of said tube at the frequency of operation whereby there is provided a substantial reactive effect across the tank circuit, and means



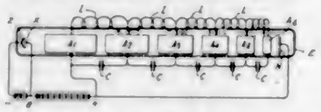
for varying the direct current voltage of said control grid of said tube sufficiently to vary the magnitude of said reactive effect thereby to adjust the frequency of said tank circuit at selected frequencies of said wide range.

2,233,779

ELECTRON DISCHARGE DEVICE

Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 27, 1936, Serial No. 112,940
In Germany November 30, 1935
14 Claims. (Cl. 250—36)



7. An electron discharge device having a cathode for supplying electrons, an anode for receiving said electrons, a plurality of electrodes surrounding at least part of the path of the electrons between said cathode and said anode and of successively decreasing length, means for applying an alternating potential to said electrodes for creating an alternating electric field between said electrodes, means for applying a positive potential with respect to the cathode to said plurality of electrodes and means for directing electrons from said cathode through the space surrounded by said electrodes, said alternating electric field causing a decrease in the velocity of electrons moving from the cathode to the anode.

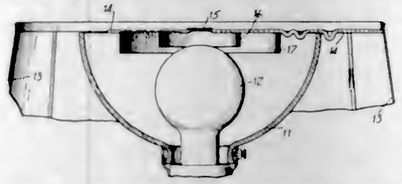
2,233,780

INDIRECT LIGHTING LAMP AND SHADE THEREFOR

James Gould, Jr., Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application September 6, 1939, Serial No. 293,529
1 Claim. (Cl. 240—81)

A portable lamp, comprising a standard having an upwardly opening lamp socket, a lamp bulb therein, an annular inverted bowl shaped translucent reflector with its upper walls steep and its upper edge slightly above the top of the lamp bulb, whereby direct light rays emitted from the top of the bulb and intense reflected light rays emitted from the upper part of the reflector walls tend to escape over the top of the reflector at low angles above the horizontal to produce a bright spot on an adjacent wall or the like and glare if viewed at low angles above the horizontal, a frame having radial arms extending across the top of the reflector and substantially in the plane of the top of the reflector, a downwardly and outwardly flaring shade carried by the frame about the reflector to screen the reflector, and two screening rings fixedly secured to and extending downwardly from the arms of the frame



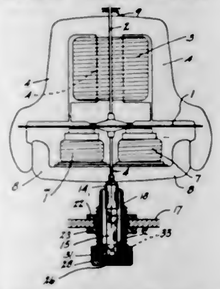
within the reflector, the diameter and depth of the outer ring being such as to cut off direct light from the light center of the bulb immediately above that normally intercepted by the reflector and to cut off the light returned by the reflector at low angles above the horizontal, the depth and diameter of the inner ring being such as to intercept light emitted at low angles above the horizontal from the top of the bulb which would otherwise escape immediately over the top of the outer ring, and the depth of the rings increasing with the distance from the axis of the shade; said frame, rings and shade being made integral to form a unitary article to be freely supported from the top of the reflector.

2,233,781

ELECTRICITY METER

Josef Indergand, Zug, Switzerland, assignor to Landis & Gyr, A.-G., Zug, Switzerland, a corporation of Switzerland

Application November 8, 1938, Serial No. 239,473
In Switzerland December 21, 1937
8 Claims. (Cl. 308—145)



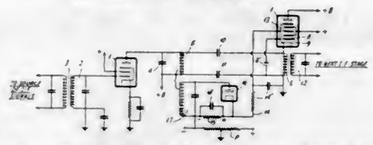
1. In an electricity meter having an electromagnetic driving coil and core and a rotatable disc and spindle, a bottom end bearing for said spindle, including a cup on which the spindle end is rotatably supported, a fixed support for said cup, a resilient mounting for the cup on the fixed support comprising a flat leaf spring, the bottom end of the spring being mounted on said support and the cup being supported on the upper end of the spring, and means for maintaining the plane of the spring in the general plane of the driving core.

2,233,782

AUTOMATIC VOLUME CONTROL CIRCUIT

Charles N. Kimball, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 16, 1937, Serial No. 180,093
11 Claims. (Cl. 250—20)



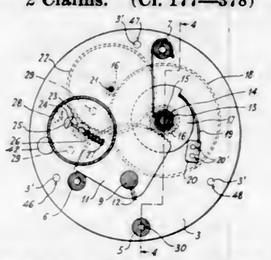
5. In combination with a pair of cascaded signal transmission tubes, a tuned signal input circuit coupled to the first of the tubes, an antenna circuit feeding signals to said input circuit, a regulator tube including in its cathode circuit an inductive impedance which is part of the said tuned input circuit, means connecting a control grid of the regulator tube to a point on the impedance which is in phase opposition to the cathode end of the impedance, and rectifier means, responsive to an increase in the intensity of the signal output of the second transmission tube, for increasing the gain of the regulator tube thereby to decrease the signal voltage magnitude at the said first tube.

2,233,783

MESSENGER CALL BOX

William Kimmich, Flushing, and Herman Schnoor, New York, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

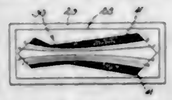
Application May 22, 1936, Serial No. 81,176
2 Claims. (Cl. 177—378)



1. A signaling call box comprising a circular base, a cup-shaped cover attachable to said base, code impulsing means mounted on said base within said cover, said means comprising a pair of circuit-closing contacts and a code wheel cooperative therewith, said code wheel having peripherally formed code transmitting teeth engageable with one of said contacts to actuate the same, driving mechanism for said code wheel, said mechanism comprising a windable spring motor, a single-toothed ratchet wheel, a hollow shaft common to said motor and ratchet wheel, a spindle supporting said hollow shaft, a pawl-supporting member fixed to said spindle, a resilient pawl mounted on said member and engageable with said ratchet wheel, said code wheel being mounted on said spindle in fixed relation to said pawl, speed governor mechanism geared to said pawl supporting member, and means for winding said spring motor in such manner that its associated ratchet wheel makes one complete revolution and said pawl rides once over the single tooth, thereafter to be driven in the reverse direction by the ratchet wheel as the spring motor

unwinds, the last said means having a winding handle pivotally supported outside the cover of said box and geared to the shaft of said spring motor.

2,233,784
MEANS AND METHOD FOR MAKING NECKTIES
Lillian L. King, Beverly Hills, Calif.
Application September 2, 1939, Serial No. 293,247
5 Claims. (Cl. 223—1)

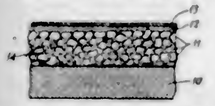


1. The method of making a necktie from a necktie blank that includes the steps of: placing the blank face down on a supporting surface having guide lines representing the successive folds to produce a finished necktie; temporarily attaching the blank to said supporting surface at the ends of the finished area of the blank; and while the blank is thus attached folding over and ironing successive longitudinal marginal portions of the blank along the successive fold lines visually indicated by said guide lines on the supporting surface.

2,233,785
PROCESS FOR THE MANUFACTURE OF OXIDE LAYERS ON ALUMINUM AND ALUMINUM ALLOYS AND TO ELECTROLYTES THEREFOR
Joachim Korpiun, Berlin-Grunewald, Germany, assignor, by mesne assignments, to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation of New York
No Drawing. Application December 7, 1936, Serial No. 114,644. In Germany December 11, 1935
15 Claims. (Cl. 204—58)

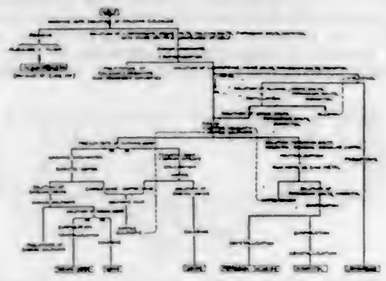
1. A method for the electrolytic formation of oxide protective films on aluminum and alloys thereof which comprises subjecting the same to anodic oxidation in a bath consisting essentially of an aqueous solution of a sulphonic acid of an aromatic compound containing at least one substituent taken from the class consisting of hydroxy, oxo and carboxyl.

2,233,786
FLUORESCENT SCREEN ASSEMBLY AND METHOD OF MANUFACTURE
Russell R. Law, Chatham, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1939, Serial No. 306,621
8 Claims. (Cl. 250—80)



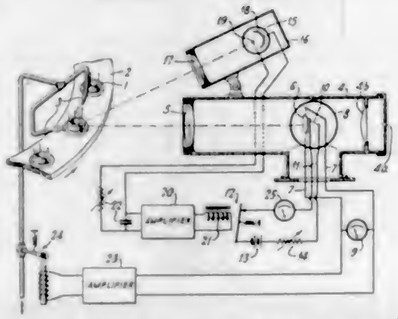
1. A fluorescent screen assembly comprising a light transparent foundation, a coating of finely divided fluorescent particles on said foundation the particles being separated one from another by voids in the coating, a thin electron pervious metallic film adjacent said coating, and an intermediate film supported by said coating filling only a small proportion of said voids, and having a substantially smooth surface in contact with said metal film, said coating consisting of boric oxide of such thickness as to be light transparent and electron pervious between said coating and said metallic film.

2,233,787
IODINE RECOVERY
Victor Charles Emile Le Gloahec, Rockland, Maine, and John Robert Herter, New York, N. Y., assignors to Algin Corporation of America, New York, N. Y., a corporation of Delaware
Application January 20, 1938, Serial No. 185,810
In France January 11, 1934
5 Claims. (Cl. 23—97)



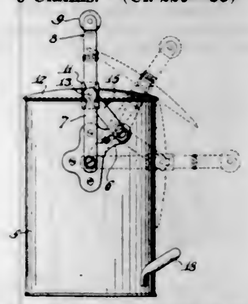
1. A method of treating seaweed which comprises washing the seaweed with an aqueous washing liquid to dissolve iodine-containing substances and laminarine, separating the washing-solution containing dissolved materials from the undissolved material, adding to the solution a precipitant for the laminarine, separating the precipitated laminarine from liquid containing dissolved iodine-containing substances, and precipitating the iodine as cuprous iodide by incorporating in the solution a water-soluble copper salt, the precipitation being in the presence of a mineral acid and of metallic copper precipitated from a solution of a soluble copper salt.

2,233,788
RADIATION PYROMETER
Gerhard Lewin, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 8, 1939, Serial No. 266,896
5 Claims. (Cl. 236—78)



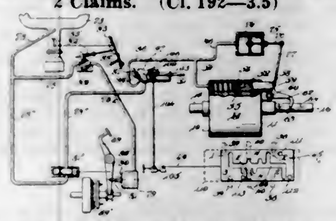
1. In a device of the character described, a thermocouple responsive to radiant energy from a source of heat, a filament in heat transfer relation with the thermocouple, a voltage source, a normally open switch connected in circuit between said voltage source and said filament, and a photoelectric device positioned to receive radiant energy from said source of heat and coupled to said switch to close said circuit during interruptions of radiant energy flow to said thermocouple.

2,233,789
GARBAGE AND WASTE RECEPTACLE
Paul W. Lichtenberger, Philadelphia, Pa.
Application October 30, 1939, Serial No. 301,903
5 Claims. (Cl. 220—38)



1. A garbage and waste receptacle comprising a body open at the top, a cover to close said top opening, a bail handle pivoted to opposite sides of the body below the top, shoes slidably mounted on the bail handle and connected with the cover, supports on the receptacle body, and levers having their outer ends pivoted to the shoes and their inner ends pivoted to the supports at one side of the handle relative to its upright position and between the fulcrums of the handle and shoes.

2,233,790
FLUID PRESSURE OPERATED GEAR SHIFTER
Douglas F. Linsley, Norwalk, Conn.
Application May 25, 1936, Serial No. 81,568
2 Claims. (Cl. 192—3.5)



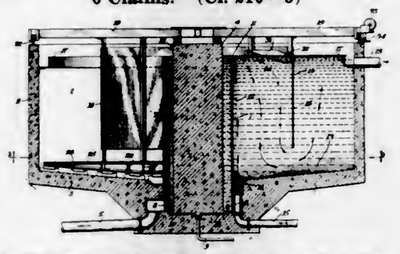
1. In a gear shift mechanism for automobiles, a transmission gearing, a clutch, means for pneumatically operating the clutch, means for manually operating the clutch, pneumatic power means for operating the gearing, means for cutting the pneumatic power means into or out of action, and manually operable means for shifting the gearing when the pneumatic power means is cut out.

2,233,791
TRANSFER SHEET FOR SHADING SURFACES
Theodore L. Maddock, Cleveland, Ohio, assignor to Fine Art Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 23, 1938, Serial No. 242,011
2 Claims. (Cl. 41—4.5)



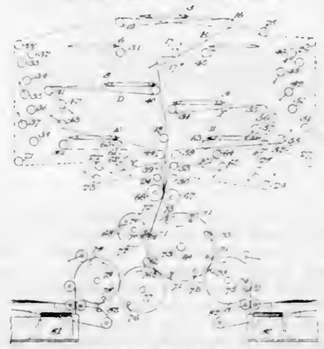
2. As a new article of manufacture, a film of cellulose acetate having printed on one face isolated areas of a transferable coating comprising substantially four parts ester gum, eight parts linseed varnish, four parts carbon black, one part carnauba wax and two parts orange toner.

2,233,792
SETTLING AND GRIT REMOVING APPARATUS
Edward B. Mallory, Tenafly, N. J.
Application March 28, 1938, Serial No. 198,396
6 Claims. (Cl. 210—3)



2. Settling and grit-removing apparatus for the primary treatment of grit containing sewage and the like, including a settling chamber, an intake chamber delivering into the upper portion of said settling chamber, means for introducing air under pressure into said intake chamber, said means being constructed and arranged to cause air bubbles to pass upwardly through substantially the entire cross sectional area of the liquid column in said intake chamber, to agitate the incoming sewage, separate grit from other particles therein and carry the grit particles so separated into said settling chamber, means affording removal of grit from the lower portion of said settling chamber, an effluent conduit for the sewage liquids leading from the upper portion of said settling chamber, and a grease collecting device operating in the upper portion of said settling chamber.

2,233,793
FOLDING MECHANISM FOR PRINTING PRESSES
Joseph E. Meyer, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application January 4, 1939, Serial No. 249,257
22 Claims. (Cl. 270—4)



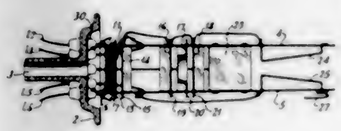
1. In combination, a folder for concurrently producing heavy and light products, said folder including signature collecting and folding devices, packer and endless tape carrier deliveries, and means for forwarding the heavy products from the signature collecting and folding devices to the said packer delivery and the light products to the said tape carrier delivery.

2,233,794
COUPLING
Edward C. Noble, Houston, Tex.
Application September 23, 1939, Serial No. 296,257
8 Claims. (Cl. 24—126)



4. In a coupling, the combination with a sleeve having a bore, of a plurality of element gripping wedges to fit in said bore, a locking ring engageable about said wedges to positively hold them in gripping engagement with an element independently of said sleeve, and a set screw in said sleeve movable downwardly and inwardly to engage said locking ring to positively hold said wedges in said bore; said wedges being free to move further into said bore to further engage said element when said element is placed under tension.

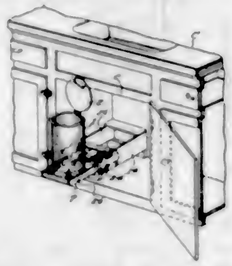
2,233,795
ELECTRON DISCHARGE DEVICE
Louis Pensak, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 22, 1939, Serial No. 310,477
7 Claims. (Cl. 250—141)



1. An electron discharge device including an envelope, a stem member at one end of said envelope, at least four rigid members extending from said stem into said envelope, a pair of planar rigidly separated support members of electrically insulating material supported by, extending in one direction only from, and resting on said stem, each of said support members abutting two of said rigid members and being wedged between said rigid members and resiliently distorted from their planar condition adjacent said stem member to restrain said support members against lateral motion transverse to the planes of said support members and a plurality of electrodes extending between and supported by said support members.

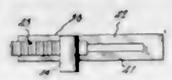
2,233,796
SUPPORTING AND LID OPERATING MEANS FOR REFUSE RECEPTACLES
Charles A. Pines, Upper Darby, Pa.
Application May 22, 1939, Serial No. 274,998
2 Claims. (Cl. 248—128)

1. Operating and supporting means for a refuse receptacle comprising a frame, anti-friction



means carried thereby affording inclined substantially parallel ways, a slide movable in said ways having a detent receiving notch adjacent one of its ends and including receptacle receiving means, a receptacle received thereby having a hinged top closure, a spring pressed detent carried by the frame and releaseably engaged in said notch when the slide and receptacle are in one position, means extending from the receptacle closure to a fixed support adapted to raise said closure about its hinge when the receptacle is moved with the slide to another position after disengagement of the detent from said notch, yielding means carried by the slide adapted to engage the frame during said movement to thereby gradually bring the slide to rest at the limit of said movement and an abutment disposed adjacent the limit of movement of the slide in the opposite direction adapted to be engaged by said yielding means when the slide is moved in said opposite direction toward position for engagement of said detent in said notch whereby when the detent is entered in the notch said yielding means is maintained under compression.

2,233,797
ADJUSTABLE CHAIR
Lawrence Potter, Rosedale, N. Y.
Application June 14, 1939, Serial No. 279,087
11 Claims. (Cl. 155—108)



8. An adjustable chair comprising in combination, a rigid seat frame, including supporting members therefor, a leg rest frame, a back frame, both of said latter frames being pivoted to the seat frame, linkage connections comprising a pair of fulcrums, one disposed between the seat frame and the leg rest frame, the other positioned between the seat frame and the back frame, an arm pivoted to the leg rest frame, a link pivoted to the front support of the seat frame, and a rocker arm, said arm, link, and rocker arm elements being pivotally connected at one end to a common pivot, a link pivoted to the back frame, an arm pivoted to the seat frame, and a rocker arm, said arm, link, and rocker arm elements being pivotally connected at one end to a common element, and means engageable with

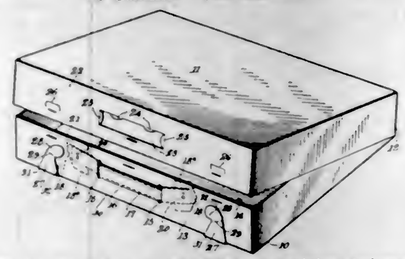
the rocker arms and operable from the seat frame for simultaneously oscillating the leg rest frame and the back frame.

2,233,798
BRAKE CONTROLLING MEANS FOR HOISTS
Erford E. Robins, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application July 22, 1939, Serial No. 286,014
16 Claims. (Cl. 192—2)



1. A hoist comprising a single brake, including a brake drum, and brake arms normally pressed in frictional contact with said drum, a cam located between said brake arms and in cooperation therewith, said cam having full-release lobes and partial-release surfaces, and means for operating said cam.

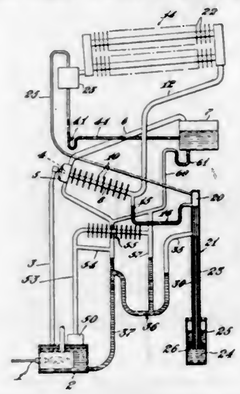
2,233,799
ATTACHABLE HANDLE AND CARTON THEREFOR
Judah I. Seifer and Morton E. Seifer, New York, N. Y.
Application August 21, 1937, Serial No. 160,214
10 Claims. (Cl. 229—52)



1. A paper box or the like comprising integrally formed box halves in telescopic relation and means for carrying said box comprising a handle having pivotally secured thereto at each end grip portions which are engageable with the inner side of the top wall on the inner half of the box and having a grasping portion projecting through an opening in the outer side of the top wall on the outer half of said box, the mentioned handle end-grip portions being adapted to be folded to a width not greater than the width of the grasping portion to pass through spaced slots provided on the said top wall on the inner half of the said box from the outside inwardly during the assembly of the handle with the said box, said slots being only of such width and length as to accommodate the passage therethrough of the handle end and the folded grip portions.

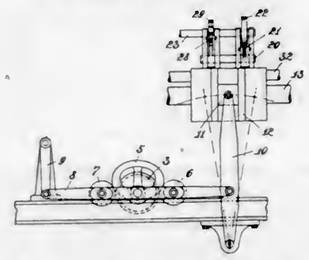
2,233,800
FLUID SYSTEM
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application October 14, 1937, Serial No. 168,957
7 Claims. (Cl. 62—115)

1. Heat exchange system comprising a main boiler, a heater to supply heat to said boiler, a secondary boiler which is normally empty, and means responsive to an increase in the pressure of the main boiler beyond a predetermined point



thereupon to supply liquid to the secondary boiler, said secondary boiler then being effective in absorbing some of the heat supplied by the heater so that the pressure in the main boiler may automatically be prevented from rising further.

2,233,801
SLUR COCK BAR FOR STRAIGHT BAR KNITTING MACHINES
Kurt Wickardt, Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y., a corporation of New York
Application March 16, 1939, Serial No. 262,253
In Germany March 16, 1938
9 Claims. (Cl. 66—110)

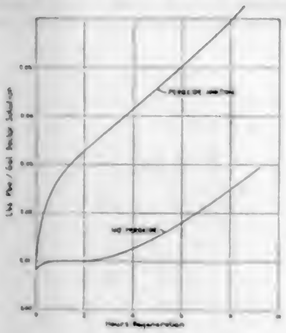


1. In a straight bar knitting machine having a reciprocating motion producing coulier mechanism and a slur cock bar arranged to have imparted thereto a reciprocating movement by the coulier mechanism, means for intermittently operating said slur cock bar while maintaining said coulier mechanism in continuous operation, including means to disconnect the slur cock bar from the coulier mechanism selectively at either limit of said reciprocating motion.

2,233,802
REGENERATION OF SPENT LEAD SOLUTION
Virden W. Wilson, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
Application February 11, 1938, Serial No. 190,134
5 Claims. (Cl. 23—146)

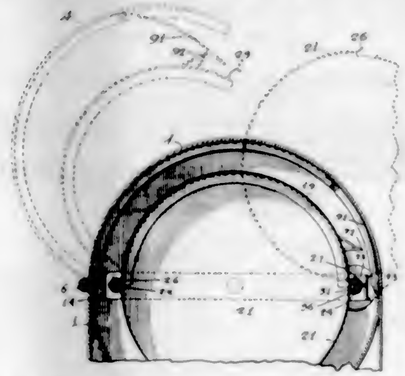
1. The method of regenerating spent lead solu-

tion containing lead sulfide which comprises treating the solution with a material generating



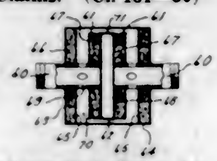
hydrogen peroxide and agitating the solution with air.

2,233,803
SELF-DUMPING WASHER
Jean Louis Boulade, Alturas, Calif.
Application February 28, 1939, Serial No. 258,912
4 Claims. (Cl. 68—210)



1. A self-dumping washer comprising a housing; a cover hingedly mounted on said housing; a cradle mounted for horizontal rotation within said housing; a cylindrical washer in said cradle and split longitudinally to provide upper and lower halves, each half being hingedly connected to an opposite side of said cradle; a cylinder; a piston slidably mounted within said cylinder; means operatively connecting said piston with the cover of said housing to open and close the cover when said piston is actuated; means secured to and actuated by opening of said cover to engage and open said upper half of said washer; a second cylinder; a second piston slidably mounted within said second cylinder; dumping means connected to said second piston for engaging and dumping said lower half of said washer and normally disengaging said lower half; a source of fluid pressure; connections from said source to said first and second cylinders; means for moving said dumping means into engagement with said lower half; and fluid pressure controlling means connected to said connections to first actuate said first piston to raise said cover and upper half and then to actuate said second piston to move said lower half to dumping position.

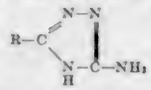
2,233,804
FLUID SILENCER
Roland B. Bourne, West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application July 18, 1938, Serial No. 219,782
9 Claims. (Cl. 181—50)



2. A sound attenuating device for pipe borne liquids comprising spaced conduit sections, a casing enclosing the space between the sections and having substantially plane end walls sufficiently flexible to prevent substantial transmission of sound through them, and secured to the conduit sections, and a hollow gas filled partition interposed between the conduit sections and spaced from the casing to provide a liquid passageway between the partition and the casing, the partition being formed with parallel substantially plane walls each supported from one of the spaced conduit sections to permit liquid flow between the partition and the casing.

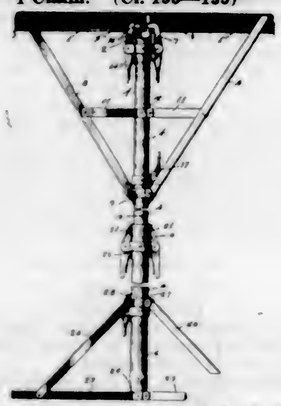
2,233,805
TRIAZOLES
Karl Brodersen and Mathias Quaedvlieg, Dessau in Anhalt, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 20, 1938, Serial No. 236,030. In Germany October 28, 1937
7 Claims. (Cl. 260—308)

1. Triazoles of the general formula



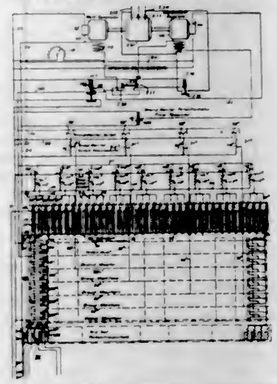
R stands for alkyl with more than 9 carbon atoms, being soluble in dilute acids and being textile adjuvants.

2,233,806
FOLDING STOOL
Clarence E. Bucknell, Vallejo, Calif.
Application March 20, 1940, Serial No. 324,975
1 Claim. (Cl. 155—135)



A folding seat comprising a substantially shallow box having similarly hingedly connected halves abutting and forming a rib when said box is fully opened and inverted to form a seat, each half being provided with a substantially semicircular socket matching with the other socket to form a substantially circular socket when said box is opened; a separable telescoping tubular pedestal slotted at one end to seat within said circular socket and engage said rib; and collapsible braces pivotally and slidably mounted on said telescoping pedestal to hold the same vertically and said seat horizontally on said pedestal.

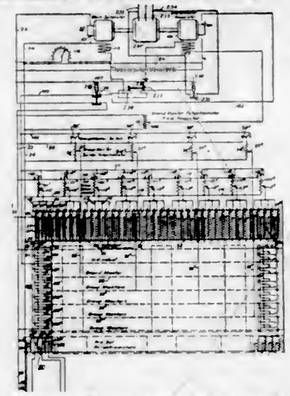
2,233,807
THEATER LIGHTING CONTROL APPARATUS
Burt S. Burke, Forest Hills, Pa., Stanley R. McCandless, New Haven, Conn., and Dean H. Holden, Cleveland, and Claude W. Stedman, Gates Mills, Ohio; said Burke assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 10, 1932, Serial No. 632,558
27 Claims. (Cl. 175—312)



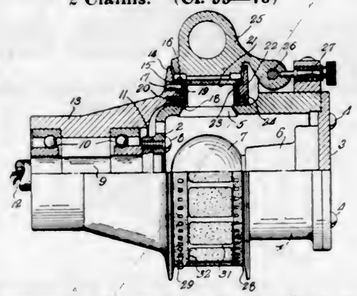
1. A theater lighting system comprising a plurality of lighting circuits, a plurality of control circuit means, means for varying the voltage therein, a control means for each lighting circuit responsive to variations in voltage in an associated control circuit means, and means including selector means individual to each control means and switching means individual to each control circuit means for selectively connecting the control means to any selected control circuit means and for preventing its connection to any other control circuit means.

2,233,808
THEATER LIGHTING CONTROL APPARATUS
Burt S. Burke, Webster Groves, Mo., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application September 10, 1932, Serial No. 632,558. Divided and this application April 19, 1938, Serial No. 202,977
7 Claims. (Cl. 175—312)

1. A theater lighting control system comprising, a lighting circuit, a current responsive means for controlling the lighting circuit, a control circuit for energizing the said current responsive means, a plurality of of presettable control devices for separately effecting desired voltages in a circuit, means for selectively interposing predetermined ones of the said devices in the control circuit, fader means interposed in the circuit for effecting a gradual transition from one control device to another, and means whereby other predetermined ones of the presettable control devices may be selectively interposed in the control circuit and the fader means rendered ineffective.



2,233,809
CINEMATOGRAPHIC APPARATUS
John R. Darby, Pasadena, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine.
Application January 31, 1939, Serial No. 253,786
2 Claims. (Cl. 95—75)

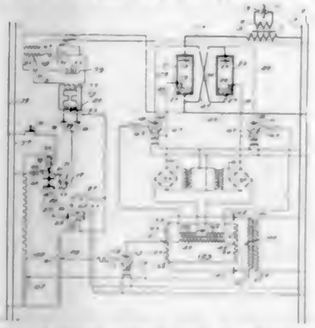


1. Apparatus for printing border lines on motion picture film, comprising an endless opaque film having transparent lines corresponding to said border lines, a circular housing having a light aperture in its periphery, a rotor having a transparent drum surrounding said housing for feeding said endless film and picture film in superposition past said aperture with the endless film surrounding the drum, said rotor having teeth fitting into openings in both films as the films pass the aperture to hold the films in register, whereby the picture film may be continuously printed with border lines bearing the same relation to the openings therein as said transparent lines bear to the openings in the endless film.

2,233,810
ELECTRIC DISCHARGE APPARATUS
John W. Dawson, Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 28, 1938, Serial No. 187,487
23 Claims. (Cl. 250—27)

1. Apparatus for controlling the supply of

power from a source of electrical energy to a load comprising valve means interposed between said source and said load, means to have a plurality of impulses of electrical energy impressed thereon and when certain of said impulses only are impressed functioning to render said valve means conductive, and means for supplying said plurality of impulses, said supply means including charge storing means and a charging circuit for said charge storing means including means for supplying continuous direct current and means permitting the repeated flow of current impulses from said supply means to charge said charge storing means, each of said current impulses producing one of said impulses of electrical energy.

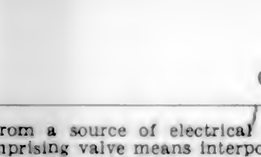


2,233,811

APPLICATOR

Alfred F. Doty, Bridgeport, Conn., assignor of one-half to Harold C. Folgmann, Waterbury, Conn.

Application July 26, 1938, Serial No. 221,455
6 Claims. (Cl. 128—269)



3. An applicator comprising a spatulate member of substantially pliable material having at least one face thereof transversely concave to form a holding chamber for a spreadable paste, and terminating in a transversely disposed lip for spreading paste held within said chamber and ejected therefrom by frictional drag when the applicator is moved over a surface with the lip in contact therewith in a direction extending from said lip toward said chamber and coinciding with the longitudinal axis of the applicator.

2,233,812

GERMICIDE AND PROCESS FOR MAKING THE SAME

Paul Goedrich, Newark, N. J.

No Drawing. Application February 16, 1939, Serial No. 256,769
5 Claims. (Cl. 167—70)

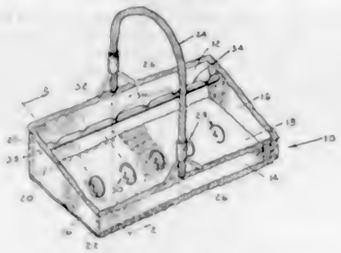
1. In a process for preparing germicidal compounds of natural animal bile products and iodine in varying predetermined degrees of viscosity and water insolubility, the steps which comprise adding measured quantities of powdered iodine to a solution of such bile products in water, and subjecting the reaction mixture to heating to temperatures ranging from about 60–100° C., from a time when no more iodine vapors are emitted and up to about 5 hours thereafter and until no further precipitation or solidification results.

2,233,813

DISPLAY CONTAINER

Harold J. Grossman, New York, N. Y., assignor to Julius Wile Sons & Co. Inc., New York, N. Y., a corporation of New York

Application March 30, 1938, Serial No. 198,967
2 Claims. (Cl. 206—72)



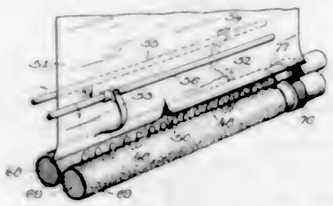
1. A display container comprising means forming a receptacle for a plurality of articles to be displayed, said receptacle having a closed bottom wall, a rear wall, side walls and a front wall which is lower than said rear wall, a rod fixed to said side walls and positioned in said receptacle above said bottom and adjacent and parallel to said rear wall and cooperating with said bottom wall to support said articles in upwardly and rearwardly inclined position to facilitate inspection and observation thereof while said articles are in said receptacle, and a plurality of longitudinally spaced companion members fixed to said closed bottom and positioned forwardly of said rod, each of said members extending upwardly from said bottom wall in planes at right angles to said rod for holding the articles spaced from each other in said upwardly inclined position.

2,233,814

METHOD OF AND APPARATUS FOR SORTING CARDS

Edwin G. Harrison, Jr., Nutley, N. J., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application June 5, 1939, Serial No. 277,340
24 Claims. (Cl. 209—72)



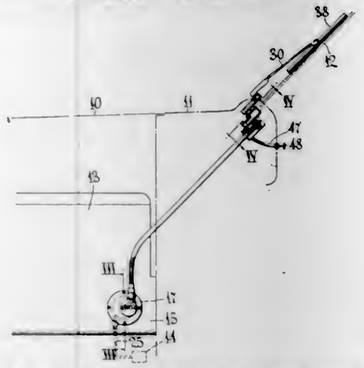
1. The method of sorting pieces of sheet material having slits differentially arranged in their edges, comprising pressing the portions of the sheets at one side of said slits into changed angular position with respect to the portions at the opposite side of the slits, and then directing the sheets along different paths of movement corresponding to the varied positions of said slits.

2,233,815

WINDSHIELD CLEANING SYSTEM

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application June 3, 1937, Serial No. 146,221
5 Claims. (Cl. 15—255)



1. A motor vehicle having a power plant with a force feed lubricating system, a fluid pressure actuated motor embodying a fluid driven rotating element mounted in a branch path of flow of the lubricant from the system to be driven thereby, a remotely located accessory shaft mechanically connected to the rotating element by flexible drive means for being driven thereby, and means for positively arresting the accessory shaft against the tendency to move caused by the fluid flow.

2,233,816

SHELF PAPER

Robert J. Hutt and George A. Hutt, Brooklyn, N. Y.

Application December 1, 1939, Serial No. 307,026
2 Claims. (Cl. 41—10)



1. A shelf covering readily removable for cleaning a shelf at desired intervals and formed with a drop strip spaced from the forward edge of the shelf; an edging-strip applied to the outer face of said drop strip; said edging strip consisting of material of a thickness more than twice that of said shelf covering to prevent warpage, and interlocking draw-threads for removably connecting the said shelf covering and edging strip.

2,233,817

PROCESS FOR PRODUCING MELAMINE

Ernst Korten and Karl Keller, Frankfort-on-the-Main - Fechenheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application January 30, 1939, Serial No. 253,590
In Germany January 29, 1938
1 Claim. (Cl. 260—248)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

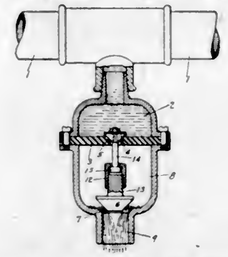
In a process for producing melamine by reacting dicyandiamide with ammonia the improvement which comprises mixing the dicyandiamide with melamine before subjecting said dicyandiamide to the action of the ammonia.

2,233,818

DISPENSING VALVE

Gustave O. Matter, Portland, Oreg.

Application March 22, 1939, Serial No. 263,359
7 Claims. (Cl. 137—34.2)



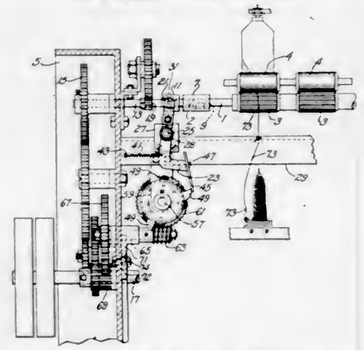
1. A dispenser consisting of a supply chamber and a dispensing chamber, a movable member between the two said chambers, an inlet valve and an outlet valve for said dispensing chamber, said inlet valve adapted to allow communication through said movable member, said inlet valve being controlled by pressure within said supply chamber and said outlet valve being controlled by movement of said inlet valve.

2,233,819

APPARATUS FOR MAKING SLUB YARN

John Openshaw, Tiverton, R. I., assignor to Berkshire Fine Spinning Associates, Inc., Providence, R. I., a corporation of Massachusetts

Application April 28, 1938, Serial No. 204,798
15 Claims. (Cl. 57—38)



1. In a spinning frame, in combination, a plurality of pairs of drawing rolls for drawing a strand, means for driving the rolls, and means for periodically suspending the drive of the pair last engaging the strand while the driving of the preceding pair is continued.

2,233,820

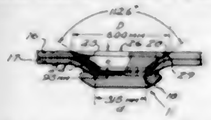
METHOD OF RIVETING

Vladimir H. Pavlecka, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware

Application February 23, 1937, Serial No. 126,958
13 Claims. (Cl. 78—46)

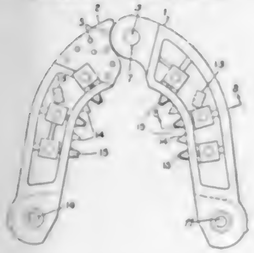
1. A method of riveting a plurality of members, which method includes: forming an opening through said members; inserting through said opening a rivet having a conical head merging into its shank, said head having an added on por-

tion; applying an impact force to said head to cause a dimple to be formed by said head for receiving said head and to deform said added on



portion to provide said head with a peripheral reinforcement; and upsetting the shank of said rivet, thus securing said members together.

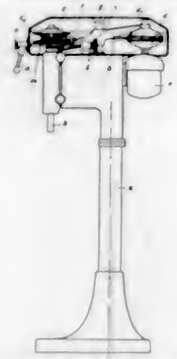
2,233,821
STUMP PULLER
Rex J. Ramer, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application February 14, 1939, Serial No. 256,313
5 Claims. (Cl. 37—2)



1. In a stump puller of the type comprising a pair of hinged members, means for drawing the unhinged ends together and means attached to the top face of each member for lifting the stump puller and for maintaining the members in an open position, the improvement comprising a plurality of projecting fingers attached to the bottom face of each said member and extending downwardly and inwardly towards the opposite jaw member.

2,233,822
DRILLING MACHINE
Willy Schübbe, Saalfeld-on-the-Saale, Germany, assignor to Auerbach & Schelbe, Saalfeld-on-the-Saale, Germany, a partnership consisting of Hans Helmut Wilkens and Willi Starcke
Application April 4, 1938, Serial No. 199,946
In Germany April 7, 1937
1 Claim. (Cl. 74—230.17)

A drilling machine capable of wide variation in the speeds of operation depending upon the nature of the work and the diameter of the drill, comprising, in combination, a drill spindle, a driving shaft and power means for rotating the latter, means for operatively connecting said spindle and shaft whereby the spindle may be rotated at variable speeds, said means consisting of a pair of conical pulley discs having intermeshing recesses and protuberances and operatively connected with said spindle, a corresponding pair of similar discs operatively connected with said shaft and arranged with their axis parallel to the axis of the first named pair, alternately opposite discs of the pairs being respectively fixed and movable axially, a relatively narrow wedge belt trained over and directly connecting the pairs of pulley discs to transmit rotation from the one to the other, the mean width of said belt being not substantially greater than the thickness thereof, a two-armed bracket disposed between the pairs of discs and connected to said alternately disposed axially movable discs, means for shifting said bracket in a direction parallel to the axes of the discs, whereby the discs of each pair are relatively shifted in opposite direc-



tions, said shifting means comprising a rotatable shaft on said drilling machine provided with a pinion, a rack on said bracket meshing with said pinion whereby rotation of said shaft may effect the shifting of said bracket and said discs, and means for locking said handle in adjusted positions.

2,233,823
PROCESS FOR THE REDUCTION OF ARYLNITROALKENES
Alfred G. Susie, Boston, Mass., and Henry B. Hass, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application November 15, 1939, Serial No. 304,550
8 Claims. (Cl. 260—566)

1. In a process for the reduction of an arylnitroalkene of the type

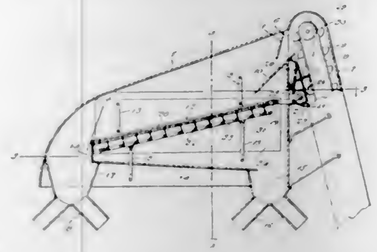
$$AR-CH=\underset{\displaystyle NO_2}{\overset{\displaystyle |}{C}}-R$$

in which AR represents an aryl group and R represents an alkyl group, the step which comprises subjecting said nitroalkene, in the presence of water, to the reducing action of iron.

2,233,824
GRAIN SEPARATOR
Leonard Van Domelen and Raymond Van Domelen, Banks, Oreg.
Application October 4, 1939, Serial No. 297,929
1 Claim. (Cl. 209—240)

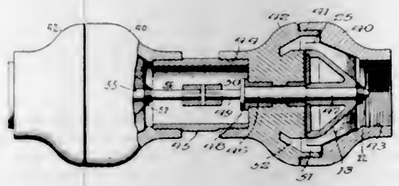
In a grain separator, a housing having the bottom thereof open and provided with a grain receiving opening in one end thereof and adjacent the top wall of said housing to admit grain from a thresher, an inclined platform supported by said housing and extending inwardly thereof from the grain receiving opening, hoppers mounted in the open portion of the housing and each including discharge means, a pan slidably supported by the hoppers and inclined toward one of said hoppers at one end thereof so as to dump into said hopper and the other end of said pan including an upstanding wall to prevent the pan from dumping in the other hopper, an inclined reciprocally mounted riddle in

the housing and located over the pan and having one end hinged on the upstanding wall of said pan and having the other end thereof disposed



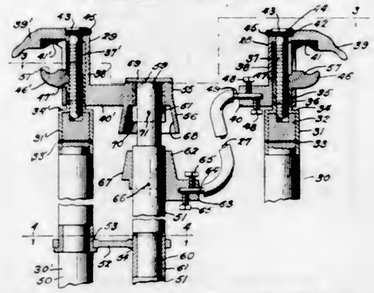
under and beyond the free end of the platform, and a cleaner of skeleton formation contacting the riddle and located between the latter and the pan and secured on the housing.

2,233,825
PUMP
Bruce R. Walsh, Wilkinsburg, and Ernest Mori, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application August 4, 1939, Serial No. 288,460
2 Claims. (Cl. 103—103)



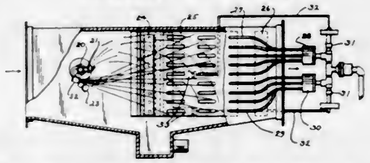
1. A pump comprising in combination a rotor having a hub of substantially conical contour merging into parallelism with the axis at its basal end provided with a plurality of blades extending from the hub substantially parallel to the axis thereof and terminating at points near the apex of the conical rotor hub and at the base of said hub, each blade increasing in height from the hub base toward the hub apex, a housing surrounding the blades closely over that portion of the blades which extends over the conical portion of the hub and closely surrounding the base of the hub, said housing being provided with a recess the walls of which are substantially circular and concentric with the rotor axis, the inner wall having a radius no greater than that of the basal portion of the hub and the outer wall having a radius greater than that of the blades at the basal portion of the hub, said recess extending in an axial direction from a plane adjacent the region where the conical portion of the hub merges into parallelism with the axis, to a plane axially spaced from the base of the hub; a transverse abutment extending between the walls of said annular recess in the portion thereof beyond the hub base, an outlet passage in the housing communicating with the recess on the approach side of the abutment and inlet means for the housing adjacent the hub apex.

2,233,826
COMBINATION LOAD CLAMP AND GROUND SET
Douglas Allison, Fort Worth, Tex., assignor of fifty-one per cent to Virgil Lowrie, Fort Worth, Tex.
Application August 25, 1939, Serial No. 291,989
3 Claims. (Cl. 200—51)



1. Electrical ground set comprising in combination a pair of pole handled screw clamps having wire engaging jaws, a conductor connecting said screw clamps having a flexible portion, and a pole handled switch intercalated in said conductor having one of the contacts thereof rigidly supported by one of said clamps and the other contact movable with the flexible portion of said conductor.

2,233,827
REFRIGERATION APPARATUS
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application December 16, 1939, Serial No. 309,600
8 Claims. (Cl. 261—10)

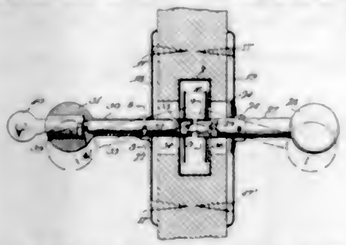


1. Refrigeration apparatus comprising an air washer, a plurality of tubes adapted to receive a volatile refrigerant, extending crosswise the downstream end of said washer, a liquid supply header extending across the upstream end of said washer, a plurality of substantially horizontally aligned flooding nozzles connected to said header and being positioned to project spray in an upwardly extending arc upon said tubes, and a plurality of spray nozzles arranged below said flooding nozzles and being connected to said header and positioned to project spray directly upon said tubes.

2,233,828
DOOR LOCK
Thomas W. Anderson, Susanville, Calif.
Application January 15, 1940, Serial No. 314,006
6 Claims. (Cl. 70—147)

1. A door lock comprising a casing, latching means within and movable through the casing and normally held in latched position, knobs provided with shanks pivotally mounted for rocking movement and extending into the casing, said shanks being connected to the latching means

for operating the latter to unlatched position upon rocking movement of either knob, and means coupling the shanks to each other and movable



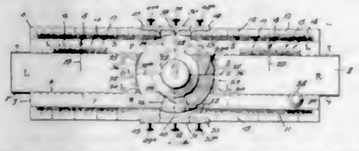
by one of said knobs to a position to allow said rocking movement and to another position to prevent said movement.

2,233,829
ELECTRIC MOTOR
Herbert H. Blackwell, Roanoke, Va.
Original application June 21, 1938, Serial No. 214,979. Divided and this application November 13, 1939, Serial No. 304,243
2 Claims. (Cl. 172—36)



1. In an electric vacuum shaver, a hollow handle, an electric motor in the handle, an armature for the motor, a shaft for the armature, there being a transverse slot in the handle, a suction fan connected to the armature shaft, and an annular housing carried as an unit with the fan and having a portion of the periphery projecting through said slot to permit the motor being started by manual rotation of the housing.

2,233,830
CALCULATOR FOR VALVE MECHANISMS
Ralph D. Bobbitt, Norfolk, Va.
Application January 16, 1939, Serial No. 251,259
11 Claims. (Cl. 235—61)



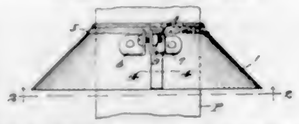
1. In a calculator, means for dimensionally indicating premeasured positions of a valve with respect to the front and rear ports of a valve mechanism upon forward and rearward motion of said valve, means for dimensionally indicating calculable positions of said valve with respect to said ports to equalize opening and closing of said ports upon said motion, and means for coordinating said first and second mentioned means to determine factors useful in the calculation of the differentials between said first and second mentioned positions and to dimentionally indicate said differentials whereby said valve may be adjusted in accordance with said differentials to effect said equalized opening and closing of said ports.

2,233,831
SANITARY TOOTHBRUSH
Madison Otey Burke, Richmond, Va.
Application June 28, 1938, Serial No. 216,407
1 Claim. (Cl. 15—210)



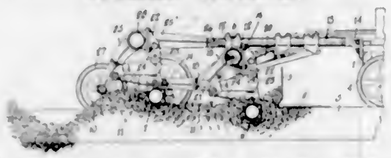
A toothbrush of the character described, comprising an elongated flat body constituting a handle, said body having a wedge slot formed therethrough inwardly of one end and having the point of said slot directed toward the said end, the portion of said body between said slot and the adjacent end of the body constituting a flat solid head, a brushing unit for attachment to said head comprising an elongated stall-like body of fabric material formed to snugly receive said head, the stall-like body at the inner end being continued on one side to form a tapering tail-like extension, the said stall-like body when inserted over said head terminating short of said wedge slot and said tail-like extension being extended through the slot and drawn toward the adjacent head to be wedged in the narrow end of the slot.

2,233,832
INSECT GUARD
James W. Byrd, Miami, Fla.
Application March 21, 1940, Serial No. 325,268
1 Claim. (Cl. 43—107)



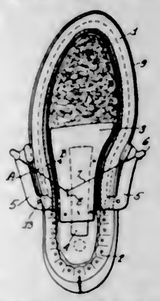
An insect guard for a pipe, including a single strip of sheet material having a channeled portion at one end and its other end extending detachably into said portion, said strip defining a cone frustum, a soft plastic coating of sealing material on the strip along that edge thereof at the point of smallest diameter of the shield, brackets on the respective ends of the strip, and a detachable and adjustable connection between the brackets.

2,233,833
CONCRETE PLACEMENT APPARATUS
Corwill Jackson, Ludington, Mich.
Application November 5, 1938, Serial No. 238,964
11 Claims. (Cl. 94—48)



5. In an apparatus of the class described, the combination of a plurality of elongated vibratory elements disposed horizontally and transversely of the path of travel thereof for advancement in different planes relative to the vertical, one of said vibratory elements being mounted for vertical adjustment relative to the plane of advancement of the other vibratory element, and means for vibrating said vibratory elements at high frequency and in orbital paths, said elements being in such relation to each other that the vibratory impulses imparted to the material treated by the vibratory elements merge.

2,233,834
WELT RETAINER
Heinrich Max Colditz and Otto Michalk, Dresden, Germany
Application November 1, 1937, Serial No. 172,266
In Germany October 28, 1936
5 Claims. (Cl. 12—103)



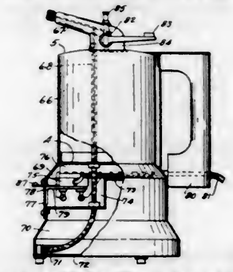
1. A welt holder for shoes which are to be worked on welting sole presses and comprising a flexible element wedge-shaped in cross section to engage between the welt and the upper leather of the shoe to wedge the same apart, said element being adapted to extend around the toe and rearwardly along the sides of the shoe, said element having rearward extensions at its ends, a bell crank lever constituting an intermediate member and having a lateral arm attached to one extension and a forwardly extending arm pressing against the outer face of said element forwardly of the point of attachment, a flexible strand having an end attached to said forwardly extending arm and its other end connected to the remaining end of said element, whereby said strand effects inward and rearward stress on said element upon the strand being centrally flexed toward the shoe heel.

2,233,835
MANUFACTURE OF HALOGENATED ORGANIC ACIDS CONTAINING THREE CARBON ATOMS AND DERIVATIVES THEREOF
John William Croom Crawford, Frodsham, and Nancy McLeish, Runcorn, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 19, 1938, Serial No. 235,900. In Great Britain October 26, 1937
24 Claims. (Cl. 260—486)

1. The process comprising reacting a substance selected from the group consisting of formaldehyde and polymers thereof with trichlorethylene in the presence of sulphuric acid of at least 80% concentration and subsequently heating the resulting mixture in the presence of water.

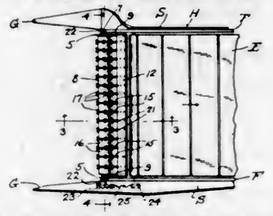
2,233,836
SPRAYING DEVICE
Ellis Davidson, New York, N. Y.
Application October 16, 1939, Serial No. 299,711
4 Claims. (Cl. 299—87)

1. A spraying device comprising a housing divided into a plurality of compartments one positioned above another, the upper of said compartments forming a boiler, the lower of said compartments providing storage for a fluid, and an intermediate compartment providing space for a heating element, circuit breaker, and closing means for the circuit breaker, means removably attached to the intermediate compartment pro-



viding access to said heating element and circuit breaker, said upper and lower compartments having filling openings therein, a nozzle positioned on the upper end of said upper compartment and communicating with the interior thereof, and a connection from the nozzle to the said lower compartment.

2,233,837
ROTATING PICKUP BRUSH FOR COMBINE HARVESTERS
Otto F. Fuhrhop, Monroe Township, Henry County, Ohio
Application December 2, 1939, Serial No. 307,199½
6 Claims. (Cl. 56—364)

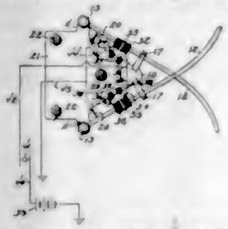


1. In a harvester having a transversely extending cutter bar, a pickup cylinder mounted to revolve on an axis parallel to the cutter bar, said cylinder having a series of sets of pickup fingers spaced longitudinally of the cylinder, each set consisting of a series of pairs of said fingers, the pairs being spaced circumferentially around the cylinder and the fingers of each pair being spaced longitudinally thereof, and a series of clearing fingers supported to pass between the fingers of the pairs and cooperating therewith.

2,233,838
SIGNAL SWITCH
Rowland Garland, Pittsburgh, Pa.
Application November 9, 1939, Serial No. 303,663
1 Claim. (Cl. 200—52)

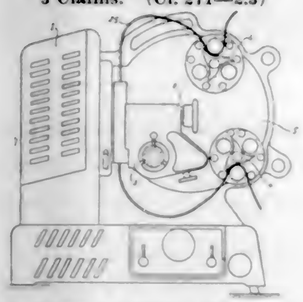
The combination with an automobile bumper bar of a base plate secured to the bottom of the automobile and spaced therefrom adjacent the bumper bar, a feeler arm pivoted at one end on the base plate and slidably mounted on the bumper bar, a yoke on the base plate, a spring connected to the arm and to the yoke yieldably supporting the arm in the yoke, a stop pin carried by the yoke, a spring connected to the rear end of the arm and to the base plate yieldably holding the

arm against the stop pin, a pair of stationary switch contacts on the base plate, and a switch



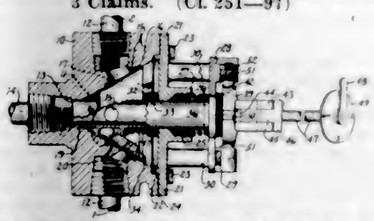
contact on the arm adapted to bridge the stationary switch contact when the arm is swung away from the stop pin by contact with an obstruction.

2,233,839
MOVING PICTURE PROJECTING MACHINE
Antoine Heurtier, Saint-Etienne, France
Application June 2, 1939, Serial No. 277,091
In France June 10, 1938
3 Claims. (Cl. 271—2.3)



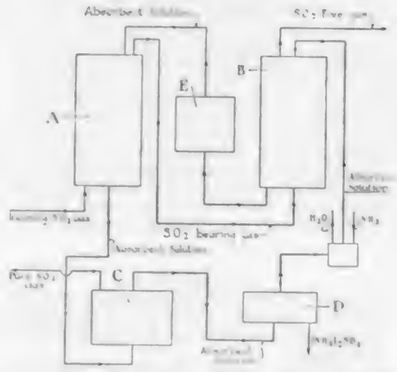
1. In a moving picture projecting machine adapted to operate with several types of film strips, film driving means comprising a continuously rotating shaft; a plate rotatable co-axially with said shaft; a pinion at the end of said shaft; spindles rotatably carried by said plate; pinions on said spindles in mesh with said first-named pinion; sprockets keyed on said spindles, each of said sprockets being adapted to a type of film strip; means to guide a film strip in engaging relation with each of said sprockets; and means to retain said plate in a number of positions corresponding to the active position of each of said sprockets.

2,233,840
LIQUID CONTROL VALVE
Gustave J. Koehler, Dayton, Ohio
Application January 29, 1940, Serial No. 316,123
3 Claims. (Cl. 251—97)



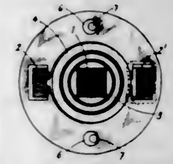
1. In a liquid control valve having a body portion with a valve seat therein, the combination of a valve member rotatable from one position to another; a stem on the valve member having a transverse hole near the upper end thereof, said stem journaled in the body portion; a spring to yieldingly retain the valve member in engagement with the seat to form a liquid seal therebetween; means, including a notched disk with a hole therein which hole fits loosely on the stem, to rotate the valve member from one position to another; means cooperating with the notches in the disk to locate the valve member in any of its positions; camming surfaces formed in depressions in the disk; and a roller adapted to pass freely through the transverse hole in the stem and into the depressions to form a lost-motion connection between the disk and the stem so that movement of said disk to take up the lost motion will cause the camming surfaces, in cooperation with the roller, to lift the valve member off of the seat to ease the turning thereof, whereupon the walls of the depressions adjacent the camming surfaces terminate the lifting movement and cause the valve member to rotate in unison with the disk.

2,233,841
PROCESS FOR RECOVERY OF SULPHUR DIOXIDE FROM GASES
Robert Lepsoe, Trail, British Columbia, Canada, assignor to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a corporation of Canada
Application October 28, 1938, Serial No. 237,546
In Canada August 7, 1936
6 Claims. (Cl. 23—178)



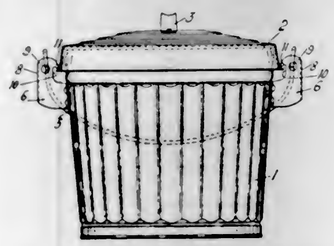
1. A continuous process for the absorption and liberation of sulphur dioxide which comprises absorbing sulphur dioxide in a cycling ammonium bisulphite-ammonium monosulphite solution in which the ammonium monosulphite is the active absorbent and the total weight of ammonia in these compounds is not greater than 13% of the weight of the solution, the cycling solution in the absorption stage being maintained nearly saturated with respect to ammonium sulphate and unsaturated with respect to the other salts present; withdrawing the cycling solution from the absorption stage and heating it to expel substantially pure sulphur dioxide and water vapor; cooling the solution to a temperature sufficiently low to crystallize an amount of ammonium sulphate equivalent to that formed by oxidation in the preceding stages; separating and removing the crystallized sulphate; replenishing the solution with water and ammonia and returning the replenished solution to the absorption stage of the process.

2,233,842
REGULATING TRANSFORMER WITH CONTACT-RING CURRENT COLLECTOR
Georg Leischner, Bonigen, near Interlaken, Switzerland
Application August 13, 1938, Serial No. 224,803
In Germany August 14, 1937
7 Claims. (Cl. 171—119)



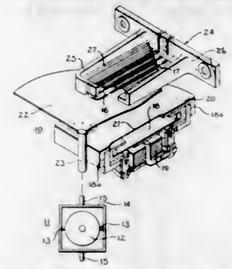
1. A regulating transformer comprising a magnetic circuit with a plurality of flux return path cores, primary and secondary windings interlinked with said cores, the secondary winding being a circular coil and serving as a regulating winding, a contactor plate surrounding the regulating winding and having a circular opening of greater internal diameter than the external diameter of said regulating winding and making a one point electrical contact with said winding, said contactor plate having slots therein traversed by the said cores, the walls of each slot adjacent the internal circumference of the opening having a gap therein capable of being bridged by the external rim of said regulating winding, and means for shifting the point of contact between said contactor plate and said regulating winding in a circular path to bridge any of said slot gaps and for shifting said point of contact axially to bring any desired turn of said regulating winding into contact with said contactor plate.

2,233,843
CONTAINER
Charles B. McClaskey, New Philadelphia, Ohio
Application October 13, 1937, Serial No. 168,758
1 Claim. (Cl. 220—58)



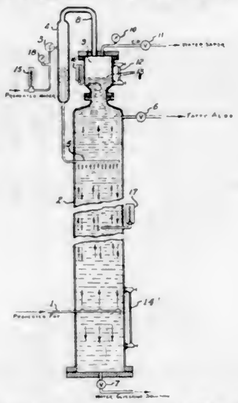
A container having a circular body and a lid therefor having a downwardly extending flange loosely fitting around the body to allow for rotation of the lid on the body, the lid being in the form of an ellipse and having a continuous outturned bead of uniform cross-section around the lower edge of the flange and lugs on the outside of the can body at diametrically opposite points, said lugs being undercut on their inner faces so that their extremities may overlie the bead when the lid is placed upon the body and rotated to locking position, the inner extremities of the lugs being at a distance less than the long axis of the elliptical lid but greater than its short axis.

2,233,844
IMPULSE CONTROL DEVICE
Erwin Mellin, Berlin-Mariendorf, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application May 3, 1939, Serial No. 271,576
In Germany May 18, 1938
4 Claims. (Cl. 201—48)



1. In apparatus of the class described, means for producing a fluid flow, one or more temperature responsive resistors for conducting current arranged in the path of said flow, a temperature differential existing between the fluid of said flow and the resistors, means for controlling said flow to one or the other of said resistors whereby the temperature of the effected resistor is varied thereby varying the amount of current conducted by said effected resistor, and flow directing surfaces mounted in said path for directing the flow passing over the effected resistor away therefrom thereby preventing the formation of fluid eddy currents adjacent said resistors.

2,233,845
PROCESS FOR HYDROLYZING FATS
Victor Mills, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application April 23, 1940, Serial No. 331,205
12 Claims. (Cl. 260—415)



1. In a countercurrent process for hydrolyzing fats with production of fatty acids and glycerine by bringing the fat and water into contact with one another at high temperature and pressure in an enclosed reaction chamber, the step of maintaining a constant pressure in the upper part of said chamber equal to the pressure of saturated steam at the temperature of the liquids in this part of the chamber, which comprises supplying

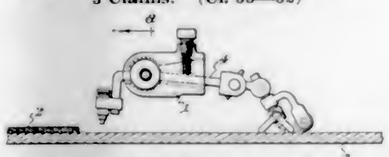
water vapor at said pressure to a vapor space communicating with the upper part of the reaction chamber to form a vapor cushion.

2,233,846
FOUNTAIN PEN
Eldie E. Packard, Lomira, Wis.
Application April 20, 1940, Serial No. 330,757
1 Claim. (Cl. 120—42)



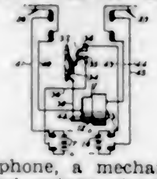
A fountain pen comprising a transparent barrel, a plug member fitting in the open end of the barrel, a feeding member and nib carried by the plug member and projecting from the outer end thereof with the feeding member projecting from the inner end of the plug member, a capsule containing ink fitting in the barrel and having an outlet removably fitting over the last mentioned end of the plug member, a removal cap enclosing the projecting end of the plug member and the nib and a cap fitting over the outer end of the plug member and having a hole in its outer end for passage of the tip end of the nib therethrough.

2,233,847
GLASS CUTTING MACHINE
George A. Philippe, Henryetta, Okla., assignor of one-twentieth to Archie A. Kinion, Sand Springs, one-twentieth to Beulah M. Slaymaker, Tulsa, one-twentieth to H. B. Dowell, Sand Springs, and one-twentieth to Otho L. Slaymaker, Tulsa, Okla.
Original application December 16, 1938, Serial No. 246,227. Divided and this application March 24, 1939, Serial No. 263,967
3 Claims. (Cl. 33—32)



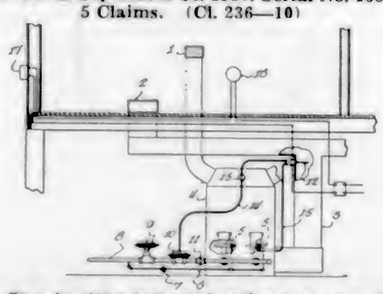
1. The combination with a cutting element for glass carried by a glass cutting machine, said cutting element being carried by a pivoted arm movable in a vertical plane and adapted to traverse a sheet of glass disposed on a table and the table extending beyond the edge of the sheet of glass, of means for elevating the cutter element as it approaches the edge of the sheet of glass and supporting the cutter element spaced from the table, said means comprising a pivoted member adjacent the cutter element and movable upwardly and downwardly therewith, said last named member being pivotally movable in a vertical plane and having diverging downwardly extending arms, the ends of said downwardly diverging arms terminating in a plane forwardly and rearwardly of the cutting element and below the lower end of the cutting element whereby a two point supporting bearing is formed on the table, one of said arms being adapted to engage the edge of the sheet of glass and elevate the cutting element onto the glass during a cutting operation.

2,233,848
AUDIPHONE
Robert E. Polk, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1938, Serial No. 216,692
3 Claims. (Cl. 179—107)



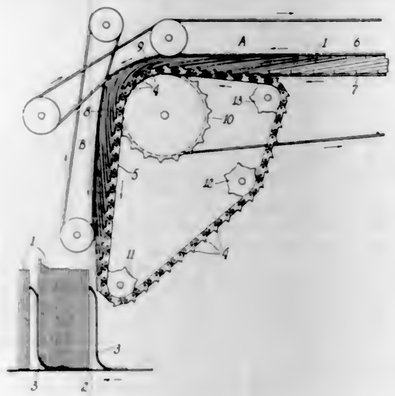
1. In an audiphone, a mechanical amplifier having input and output circuits, a pick-up transmitter in the input circuit, a receiver in the output circuit, separate batteries for the circuits, a casing for the amplifier and a switch in the casing controlling both of said circuits and having contacts so adjusted as to make the circuits in one sequence and break the circuits in the reverse sequence.

2,233,849
HEATING SYSTEM
Guy R. Radley, Milwaukee, Wis., assignor, by direct and mesne assignments, of one-half to Frank A. Gauger and one-half to Edwin A. Jones, both of Milwaukee, Wis.
Application September 24, 1937, Serial No. 165,457
5 Claims. (Cl. 236—10)



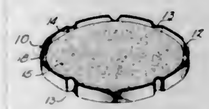
3. In a heating system, heating means including a gas burner, a thermostatically responsive modulating control means, a modulating control valve for said burner, fluid relay means for operating the modulating control valve and having a bleeder line leading to and controlled by said thermostatically responsive modulating control means, an electrical heating unit for adding heat to said modulating control means, a source of electrical energy for supplying said heating unit, and temperature responsive means for controlling the supply of electrical energy to said heating unit.

2,233,850
MEANS FOR ACCURATELY SPACING ARTICLES ON CONVEYERS
Harold Herbert Rapley, Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 7, 1939, Serial No. 249,685
In Great Britain January 27, 1938
4 Claims. (Cl. 198—34)



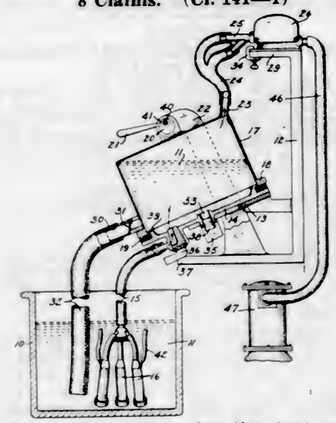
1. The combination with a relatively high speed conveyer section for advancing newspapers in an imbricated and given spaced relation, of a horizontally arranged low speed conveyer section and a vertical conveyer section intermediate the former conveyer sections for delivering the newspapers on edge from said high speed conveyer section to said low speed conveyer section, said last mentioned conveyer section including a chain belt driven at a slower speed than said high speed conveyer section and having projecting parts for successively engaging the leading edges of the newspapers to retard the same and shorten the spacing thereof as the same are discharged from said high speed conveyer section, said last mentioned conveyer section also including means for yieldingly holding the newspapers in engagement with said chain belt.

2,233,851
FUEL CONTAINING PLATEN FOR REPAIR VULCANIZERS
Melvin L. Reibold, Beaver Dam, Wis., assignor to The Shaler Company, Waupun, Wis., a corporation of Delaware
Application July 24, 1939, Serial No. 286,057
4 Claims. (Cl. 18—18)



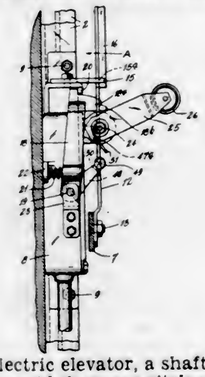
1. The combination with a thin metallic pan-shaped repair vulcanizer platen having adherent to its bottom a layer of vulcanizable patch material of less diameter than the platen, of a fuel wafer of intermediate diameter mounted within the platen, and upwardly extending ribs carried by the platen in centering engagement with the fuel wafer, the margins of the wafer being otherwise spaced from the peripheral wall of the platen.

2,233,852
CLEANER FOR DAIRY EQUIPMENT
John A. Schmitt, Waukesha, Wis., assignor to The Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin
Application June 13, 1940, Serial No. 340,270
8 Claims. (Cl. 141—1)



7. A cleaning device for the teat cups and connecting tubes and pail lids of a milking machine, said device being of the type wherein one or more teat cups are submerged in a supply of cleansing liquid and comprising, a receptacle having an opening in its lower portion adapted to be closed by a pail lid from which the teat cups are suspended by connecting tubes, a pulsator connection communicable with an upper portion of said receptacle, and an excess liquid discharge duct communicable with a lower portion of the receptacle and being provided with means for permitting escape of liquid from said receptacle when the interior thereof is open to atmosphere and for preventing such escape when the receptacle interior is under vacuum.

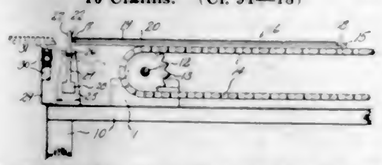
2,233,853
LOCK AND SWITCH MECHANISM FOR ELEVATOR SHAFT DOORS
Julius A. Schweig, St. Louis, Mo.
Application April 24, 1939, Serial No. 269,585
15 Claims. (Cl. 187—31)



1. In an electric elevator, a shaft, a door therein, a lock for said door, a switch associated with said lock and adapted to be incorporated in an electric circuit for controlling the operation of a car in said shaft, and a second switch adapted to

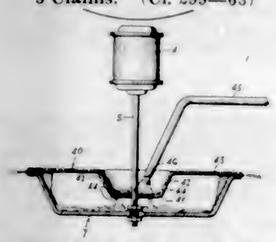
be incorporated in said circuit, said first mentioned switch being closed when said lock is in locking position and opened in the unlocked position of said lock, and said second switch being closed by an associated part of said lock in all positions thereof and being adapted to open automatically upon removal of said part.

2,233,854
MEANS FOR SMOOTHING THE EDGES OF COATED BOARDS
Gilbert J. Snyder, South Bend, Ind., assignor to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana
Application May 1, 1939, Serial No. 271,065
10 Claims. (Cl. 91—18)



4. The combination with apparatus for coating a rigid board including a board conveyor, of a normally vertical abutment member pivoted to said apparatus and intersecting the path of movement of said board on said conveyor to smooth the leading edge of said board and means for normally positioning said abutment member vertically.

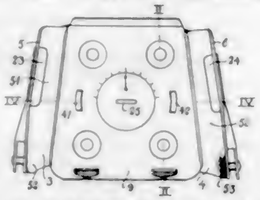
2,233,855
SEPARATING DEVICE
Heinrich Süss, Berlin-Tegel, Germany, assignor, by mesne assignments, to Maschinen-und Metallwaren-Handelsgesellschaft m. b. H., Berlin, Germany, a limited liability company of Germany
Application August 2, 1939, Serial No. 287,927
In Germany March 11, 1939
3 Claims. (Cl. 299—63)



3. In a separator having means for separating ejected particles; a rotary body for receiving said particles and ejecting them by the centrifugal force of its rotation, said body having the form of a container and including an edge portion, and a closure member movable in a direction away from said edge portion, said closure member being carried by said edge portion and having a recessed portion, said recessed portion having the form of a container and having openings formed therein to transmit particles introduced into said recessed portion to said rotary body.

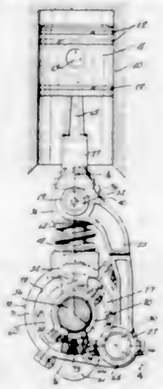
2,233,856
SIDEWAYS ADJUSTABLE SHOE FASTENING MEANS FOR SPORTING APPLIANCES AS SKIS, SKATES, OR THE LIKE
Frank Georg Tappé, Snaroen, near Oslo, Norway
Application July 17, 1939, Serial No. 284,946
In Norway January 25, 1939
6 Claims. (Cl. 280—11.35)

1. Sidewise adjustable shoe fastening means for sporting appliances as skis, skates or the like, comprising a longitudinally divided footplate with substantially normally extending side guides for the front end sides of the sole of the shoe, adjusting means turnable about an axis normal to the said footplate between and overlapping the two halves of the same, cam means on the said two halves of the footplate and on the said adjusting means arranged to mesh with each other and to provide for sidewise move-



ments in opposite directions of the two halves of the footplate when the adjusting means is turned, said adjusting means being formed as a plate with a centrally located slot, and said cam means comprising two spirally formed slots in the said plate and a projection on each half of said footplate, said projections being received in the said spiral slots in the said adjusting member, and means to lock the said footplate to the top of the sporting appliance.

2,233,857
INTERNAL COMBUSTION ENGINE
Earl M. Trammell, Sr., and Earl M. Trammell, Jr., St. Louis, Mo., assignors of twenty-five one-hundredths to Irving J. McGuire, Dolgeville, N. Y.
Application August 24, 1939, Serial No. 291,680
13 Claims. (Cl. 74—36)

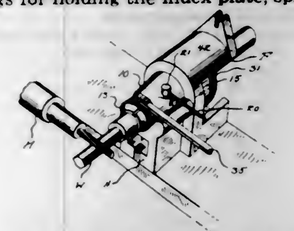


1. In an internal combustion engine, a power cylinder, a piston operable therein, a connecting rod, a crank pin and means associated with the rod for applying through the rod, during an early part of a power stroke of the piston, a portion of the thrust then imparted to the piston pivotally to the pin, and another such thrust portion torsionally to the pin.

2,233,858
COLLET INDEX FIXTURE
Charles Tree, Racine, Wis.
Application January 8, 1940, Serial No. 312,988
6 Claims. (Cl. 90—57)

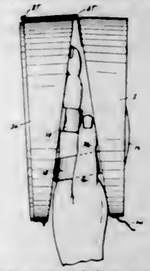
1. A collet index fixture comprising, a body, a spindle rotatable in the body, a collet for the work carried by and rotatable with the spindle,

an index plate fitted on the spindle having a plurality of openings therein, a slidable index pin on the body for movement into and out of selected openings for holding the index plate, spindle, and



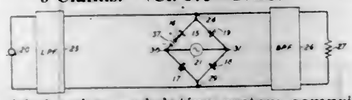
collet in any desired position, and adjustable means in said openings for closing certain of the openings when in one adjusted position against the entrance of the index pin.

2,233,859
BEAUTY KIT
Mary Irene Wick, Clayton, Mo.
Application June 6, 1940, Serial No. 339,080
6 Claims. (Cl. 132—79)



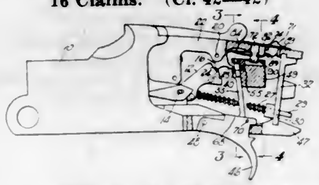
1. A beauty kit comprising a substantially rigid inner wall and outer walls attached thereto and cooperating therewith to form a compartment, a plurality of receptacles attached to and opening through said inner wall, closures for said respective receptacles, a covering member for said inner wall having hinged connection with said walls for swinging movements from a position to cover and conceal said receptacles to a position adjacent to the opposite side of said compartment to provide an intermediate hand receiving space, and engageable means attached to said compartment and to said covering member for holding said compartment and said covering member substantially immovable relatively when said covering member is in said last named position.

2,233,860
MODULATING SYSTEM
Raymond O. Wise, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1939, Serial No. 270,302
5 Claims. (Cl. 179—171.5)



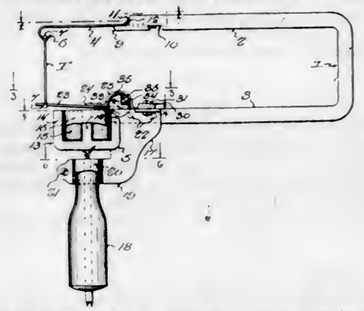
1. A third order modulating system comprising a plurality of rectifiers arranged in the form of a bridge, a source of biasing voltage connected in one arm of the bridge, the rectifiers being so poled as to allow current from the biasing source to flow in the bridge in a closed loop, a signaling source, a load circuit, the signaling source and load circuit being connected to one diagonal of the bridge, and a carrier source being connected to the other diagonal of the bridge, the magnitude of the biasing voltage being of a value less than the carrier voltage and greater than the signaling voltage.

2,233,861
FIREARM
Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Application February 8, 1938, Serial No. 189,293
In Belgium June 29, 1937
16 Claims. (Cl. 42—42)



2. In combination, a frame, hammers, sears respectively associated therewith, a trigger, a connector pivoted on said trigger and transversely movable thereto to be positioned relative to either of the sears, a transversely and longitudinally movable member mounted on the frame, and operative connections between said member and connector whereby said connector may be selectively engaged with either sear.

2,233,862
ELECTRICALLY RECIPROCATED TOOL
Albert J. Dremel, Racine, Wis.
Application May 13, 1940, Serial No. 334,862
13 Claims. (Cl. 172—126)



1. An electrically operated, reciprocative tool comprising, an alternating electromagnet, an armature exposed to the field of said magnet and inclined relative thereto to progressively vary the distance between said armature and magnetic field, a tool connected at one end to the armature at a point more remotely spaced from the field than its closest portion, and a resilient carrier for the opposite end of said tool.

2,233,863
FISHHOOK
James M. Driscoll, Portland, Oreg.
Application January 18, 1939, Serial No. 251,511
2 Claims. (Cl. 43—27)

1. In a fishhook, including a shank, a point

portion and a throat connecting said shank and point portion; said entire point portion being substantially straight and forwardly inclined at



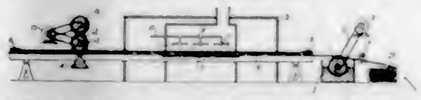
an angle to the adjoining portion of said throat, and barbs projecting from opposite sides of said adjoining portion of said throat below and in spaced relation with said point.

2,233,864
SLIP COVER CONSTRUCTION
Max Edson, Chicago, Ill.
Application March 8, 1940, Serial No. 322,877
2 Claims. (Cl. 155—182)



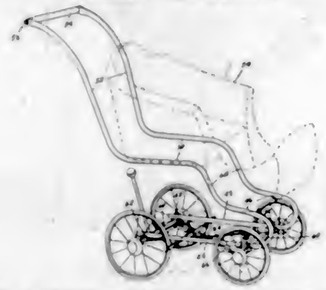
1. A slip cover for a studio couch having arm supports on the outside of the end faces, comprising top, side and end portions, portions of the ends of the cover being free to overlap the base of the arm supports of a studio couch and having the upper marginal edges of their free end portions overlapped over the adjacent marginal edge of the cover, and cooperating fastening means secured to the upper free marginal edge of the said end portions and to the top portion of the cover in alignment with each other when in normal position to cover a studio couch.

2,233,865
APPARATUS FOR FINISHING FABRICS
Clarence T. Graham, North Attleboro, Mass., assignor, by mesne assignments, to Defiance Manufacturing Company, Barrowsville, Mass., a corporation of Massachusetts
Application October 21, 1938, Serial No. 236,148
2 Claims. (Cl. 91—51)



1. In a machine for finishing fabric which includes a ground and raised pattern or figure forming portions on the obverse side thereof, to produce a fabric that has a finished ground and unfinished pattern or figure forming portions, an applicator roller having grooves extending generally longitudinally in the face thereof and adapted to carry liquid finishing material, means for rotating said roller, means for drawing the fabric over said roller with the reverse side of the fabric in position to receive the liquid finishing material from said grooves, means carried by the roller for reducing the size of the grooves, and means for supplying the grooves with liquid finishing material.

2,233,866
CHILD'S VEHICLE
Carl W. Hedstrom, Gardner, Mass., assignor to Hedstrom-Union Company, Gardner, Mass., a corporation of Massachusetts
Application May 19, 1939, Serial No. 274,611
4 Claims. (Cl. 280—47)

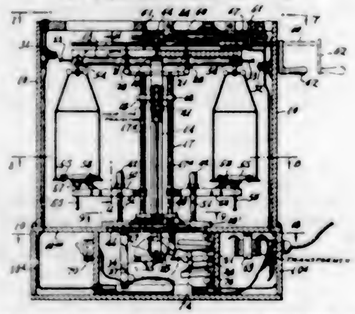


3. In a child's vehicle, a body, a pair of axles, wheels thereon, and a running gear comprising resilient tubular members reflexed in the front part of the vehicle providing resiliently-connected body and axle supporting parts and intermediate foot well parts, the tubular members of one of said parts being reflexed upwardly and rearwardly of the body and terminated in pusher parts.

2,233,867
SUSPENSIONS OF SOLIDS AND PROCESS FOR MAKING SAME
Charles S. Howe, Pasadena, Calif., assignor to Industrial Developments, Incorporated, Los Angeles, Calif., a corporation of California
No Drawing. Application June 18, 1938, Serial No. 214,602
20 Claims. (Cl. 255—1)

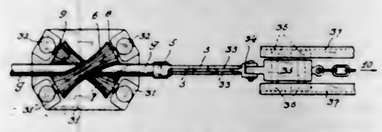
1. An aqueous drilling fluid comprising a hydraulic composition containing treater dust as hereinabove described.

2,233,868
ANALYTICAL BALANCE
Albert B. Kish, Newark, N. J.
Application July 10, 1939, Serial No. 283,562
11 Claims. (Cl. 265—54)



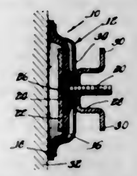
1. An analytical balance comprising a casing, a vertical support within said casing, a beam balanced at its center on the top of said support, a frame slidably mounted on said support and having pointed elements to the sides of the fulcrum of said beam engaging complementary elements on said beam for keeping the beam at a certain level on said support, means for lowering said frame to free said beam, means for starting said beam oscillating immediately upon being freed, a mirror on said beam at the fulcrum thereof, means mounted on said support for throwing the shadow of a hair line on said mirror, a scale upon which the reflection of said hair line may fall, a rider mounted on said beam, and electromagnetic means for assisting in moving said rider, said means for starting said beam oscillating including a pair of electro-magnets mounted upon said casing and cooperative with iron members mounted upon said beam.

2,233,869
COLD WORKING METAL BAR
Ernst Lukács, Budapest, Hungary
Application January 13, 1939, Serial No. 250,737
In Hungary October 9, 1937
6 Claims. (Cl. 29—1)



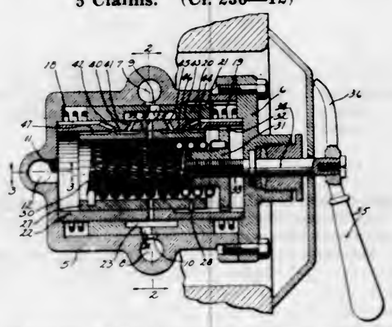
1. In a method of cold working roundish metal bars by twisting, the step of furnishing the surface of the bar with a marking so running in longitudinal direction as to extend on the twisted bar along a helical line, the pitch of which is characteristic of the degree of working bestowed by twisting.

2,233,870
SUCTION TYPE FASTENER
Leslie F. Muter, Chicago, Ill., assignor to The Muter Company, Chicago, Ill., a corporation of Illinois
Application February 6, 1940, Serial No. 317,567
1 Claim. (Cl. 248—206)



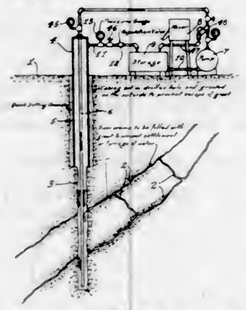
A suction type fastener including a relatively thin rubber-like diaphragm of substantially uniform thickness, a cupped member superimposing one side of said diaphragm, said cupped member having a relatively large recess with respect to the transverse dimension of the diaphragm and being provided with a relatively narrow outwardly extending flange bearing against said diaphragm but terminating in a free outwardly extending margin, a centrally positioned stud extending through the diaphragm, an enlarged section at one end of said stud overlying the vacuum creating side of the diaphragm, said section being relatively large with respect to said recess and being adapted to substantially transversely occupy said recess when actuated to shift the diaphragm thereinto, said stud extending through said cupped member, and means cooperatively associated with said stud and cupped member for imparting motion to said enlarged section to produce the vacuum condition within the diaphragm, the diameter of the diaphragm with respect to the outer diameter of the flange being sufficiently large to insure sealing engagement of the flange with the diaphragm when the stud is actuated to urge the central portion of the diaphragm into the cup.

2,233,871
MIXING VALVE DEVICE
Fred A. Parsons, Milwaukee, Wis.
Application September 22, 1934, Serial No. 745,071
Renewed October 30, 1939
5 Claims. (Cl. 236—12)



1. A mixing device comprising the combination with a casing having an outlet and a plurality of inlet ports, of a tubular piston valve having ports coacting with the inlet ports of said casing for inversely varying the capacity thereof, a tubular partition provided with fluid admission and discharge ducts and coacting with said casing to define an annular cylinder in which the piston valve operates, means for developing a pressure differential within said casing, channels for application of said pressure differential to move said piston valve, valve means associated with said channels and controlling the application of said pressure differential for the operation of said piston valve, and a thermostat within said casing operatively connected with said valve means for the adjustment thereof.

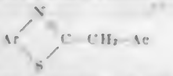
2,233,872
MEANS AND METHOD FOR SOLIDIFYING UNDERGROUND STRUCTURES
Ralph R. Proctor, Glendale, Calif., assignor to California Talc Company, Los Angeles, Calif., a corporation of Delaware
Application July 27, 1936, Serial No. 92,750
6 Claims. (Cl. 61—36)



1. In the art of solidifying porous strata, the process comprising, subjecting a porous stratum to an initially freely flowable but finally settable hydraulic cement mixture while agitating that part of the mixture extraneous of the stratum.

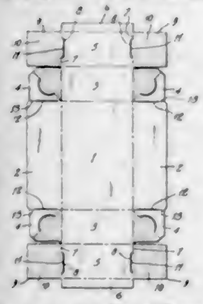
2,233,873
AZO DYESTUFF INTERMEDIATES
Maurice Arthur Thoroid Rogers and Wilfred Archibald Sexton, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. **Application June 22, 1938, Serial No. 215,268. In Great Britain June 23, 1937**
7 Claims. (Cl. 260—304)

1. The compounds represented by the formula



in which Ar is an o-arylene radical of the class consisting of the benzene and naphthalene series, not having COOH or SO_3H as substituents, and Ac is acyl.

2,233,874
FOLDING BOX
Nathan Rosenthal, Ladue, Mo., assignor to Rosenthal Paper Company, St. Louis, Mo., a corporation of Missouri
Application April 27, 1938, Serial No. 204,509
1 Claim. (Cl. 229—31)

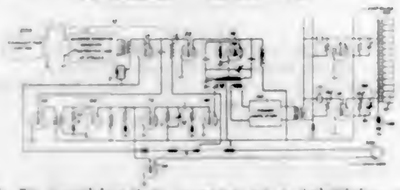


A folding box comprising side walls, end walls, bellows-fold corner members integrally connecting them, end locking flaps secured to said end walls, bottom locking flaps secured to said end locking flaps and reinforcing strips integrally connected to the ends of said end locking flaps by score lines, there being a slit offset into each reinforcing strip with respect to each of said score lines, thus providing a projecting tongue on each of said end locking flaps and said side walls being provided with elongated slots for interlocking engagement with the respective tongues.

2,233,875
LAMINATED BOARD AND METHOD OF MAKING SAME
John H. Schmidt and Ralph T. Casselman, Bloomfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York
No Drawing. **Application January 13, 1937, Serial No. 120,403**
17 Claims. (Cl. 154—2)

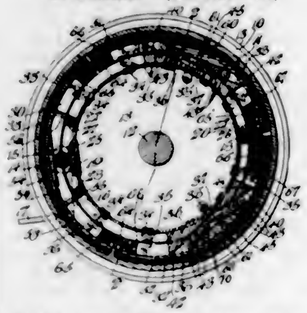
17. Method of joining two surfaces one of which is wood to produce a veneered or joined body which comprises coating one of the surfaces with an adhesive comprising a synthetic phenolic aldehyde resin and an acidic hardener having a hardening action corresponding to the addition of from 1.5% to 6%, based on the resin, of 18% hydrochloric acid solution to harden the adhesive at room temperature within 12 to 18 hours, the amount of acidic hardener being insufficient to harden the adhesive in a pail within 3 to 4 hours, laying the surfaces together with the adhesive as an intermediate layer, and applying pressure to the assembly while the consistency of the adhesive is substantially uniform over the surfaces to be united.

2,233,876
ELECTROOPTICAL SYSTEM
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 4, 1937, Serial No. 146,351
13 Claims. (Cl. 178—7.3)



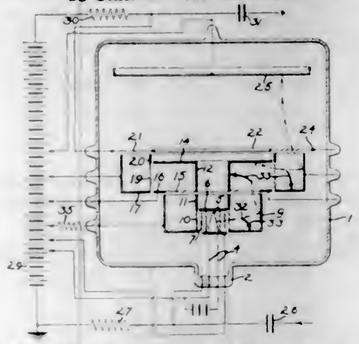
1. In combination, means at a television receiving station for receiving and detecting a constant frequency carrier current the amplitude of which is representative of the light tone values of an object field at a distant transmitting station, a generator at said receiving station for generating a current of such high frequencies that selection of a portion of these frequencies can be effected with crystal filters, said generator including means for continuously and cyclically varying the frequency generated, means for modulating said varying frequency with said detected television current, a plurality of light sources in linear array equal in number to the elemental areas in an elemental line of the image to be produced, crystal filters associated respectively with said light sources each tuned to a different frequency or band of frequencies within the range of frequencies generated by said generator, means for simultaneously impressing said varying frequency modulated current upon said filters whereby said light sources are activated cyclically in succession and in accordance with the modulation of said varying frequency modulated current, and means cooperating with and utilizing said light sources to form successive lines of the image during succeeding respective cycles of illumination of said light sources.

2,233,877
BRAKE
Henry J. Smith, Philadelphia, Pa., assignor of fifteen per cent to E. Burke Wilford and ten per cent to Graham French, both of Philadelphia, Pa.
Application February 12, 1938, Serial No. 190,183
12 Claims. (Cl. 188—78)



1. A brake assembly for association with a fixed supporting plate and a relatively rotatable drum, comprising an inner element, a plurality of brake shoes mounted movably on said element, resilient means connecting adjacent shoes for embracing relation to the element means joining the element and shoes for manipulation as a unit, and means for securing relative movement of the element and all of said shoes simultaneously for braking purposes.

2,233,878
ELECTRON MULTIPLIER
Richard L. Snyder, Glassboro, N. J., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application June 5, 1937, Serial No. 146,641
18 Claims. (Cl. 250—27)



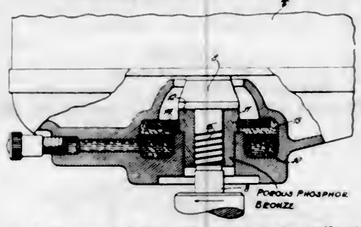
1. An electron multiplier having an envelope containing an electron multiplying chamber comprising a surface capable of emitting secondary electrons at a ratio greater than unity upon electron impact therewith, an electron-permeable screen parallel to said surface, a conductive side wall on one side of said surface connecting said screen and said surface, the side of said chamber opposite said side wall being open, means for directing electrons through said screen to impact said surface, and means for removing secondary electrons through the opening in said chamber.

2,233,879
PHOTOMETRIC METHOD AND APPARATUS
Edward Merrill Tolman, New York, N. Y.
Application April 2, 1938, Serial No. 199,737
5 Claims. (Cl. 88—14)



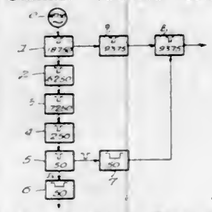
1. The method of measuring the light transmitted by a medium to be tested including placing a photoelectric cell illuminated by light transmitted by such medium in electrical opposition to a standard photoelectric cell under conditions of nearly equal activation and measuring the difference in activation between the two cells by varying the electrical effect of a second standard cell in electrical opposition to one of the above-mentioned cells, while maintaining the electrical effect of the first standard cell constant, until an electrical balance is reached between two of the cells with respect to the third.

2,233,880
VERTICAL BEARING
Edwin C. Ballman, St. Louis, Mo.
Original application June 29, 1936, Serial No. 87,857. Divided and this application January 27, 1938, Serial No. 187,109
2 Claims. (Cl. 308—134.1)



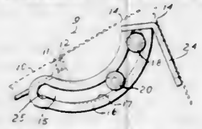
1. In a device of the character described having an upright shaft, a lubricant reservoir having an impervious barrier between it and said shaft, said barrier extending above the liquid level in said reservoir, a sleeve bearing for said shaft having means adapted to carry lubricant to said shaft, capillary means for carrying lubricant from said reservoir to said sleeve over said barrier, and means below the top of said barrier providing a non-capillary passage open to the atmosphere and to the space between said sleeve and said shaft at closely spaced points therealong in order to break siphonic action in said space.

2,233,881
SYNCHRONIZING IMPULSE GENERATOR FOR INTERLACED SCANNING
Fritz Below, Berlin-Klein Machnow, Germany, assignor to the firm of Fernsch Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application March 4, 1938, Serial No. 193,998
In Germany March 6, 1937
7 Claims. (Cl. 178—69.5)



1. Method of generation of synchronizing impulses for interlaced television transmissions, having the characteristics that a series of square-topped impulses of frame frequency control an impulse generator by the leading edge of the impulse, and a second impulse generator by the lagging edge.

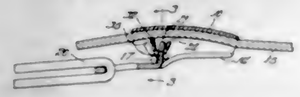
2,233,882
SELF-LOCKING CONCEALED HINGE
William Bobek, Detroit, Mich.
Application January 24, 1938, Serial No. 186,552
3 Claims. (Cl. 16—143)



1. A concealed hinge for a closure element comprising a pair of members, one member be-

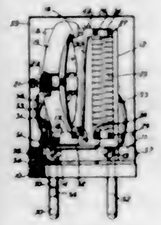
ing provided with an arcuate slot terminating at one end in an outwardly disposed notch and the other member having fixed thereto a pair of studs disposed in said slot for movement lengthwise thereof, one of said studs being adapted to drop into said outwardly disposed notch of said slot to lock the hinge in open position.

2,233,883
BELT BUCKLE
Herbert Buchsbaum, Chicago, Ill.
Application September 7, 1937, Serial No. 162,720
4 Claims. (Cl. 24—191)



2. A buckle comprising a cover plate, a gripper carrying plate pivoted to said cover plate and adapted to have a belt attached thereto, said gripper carrying plate having a gripper mounting flange thereon extending toward the cover plate, said flange having spaced bearing surfaces facing the cover plate and a gripper holding portion located between and projecting beyond the bearing surfaces toward the cover plate, a gripping element having oppositely disposed leg portions, said gripping element being slotted intermediate its ends to receive said holding portion and having a connecting web portion at either end of said slot, said web portions riding upon said spaced bearing surfaces of the gripper carrying plate, and said holding portion having oppositely directed projections extending beyond the slot of the gripping element over said web portions to cooperate therewith and prevent the gripping element from sliding off the flange.

2,233,884
THERMAL SWITCH
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1937, Serial No. 128,966
1 Claim. (Cl. 297—15)



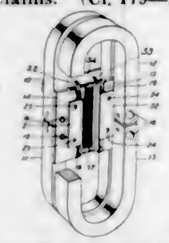
In a thermal switch, a base, a plate secured to said base perpendicularly thereof, an oblong-shaped bimetallic strip, a plate-like arcuate mounting of unit structure for said strip having a reenforced portion midway between its ends and means formed at one of its ends for securing it to said plate in a plane parallel thereto, and projections at the ends of said mounting converging towards each other to form hook portions, and notches formed at each end of said strip for engaging said hook portions so as to position the plane of said mounting at right angles to the width of said strip.

2,233,885
SHEET MATERIAL
Edouard M. Kratz, Hermann Heckel, and Eugene Browning, Gary, Ind., and Erich Gebauer-Fuelnegg, Evanston, Ill., assignors, by mesne assignments, to Marbon Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 1, 1933, Serial No. 668,808. Renewed January 8, 1940
9 Claims. (Cl. 106—38)

1. A thin, clear, transparent, brilliant sheet or film having sufficient flexibility and toughness to adapt it for wrapping purposes, comprising a reaction product of a caseinate and formaldehyde, a chlorinated diphenyl, an emulsifying agent and a plasticizer.

8. As a new composition of matter, a suspensoid comprising water, a water-soluble caseinate, a water insoluble resinous substance, and an emulsifying agent, the continuous phase of the suspensoid comprising water and the discontinuous phase consisting essentially of particles of solids comprising particles of caseinate and particles of resinous substance of such size that they do not settle.

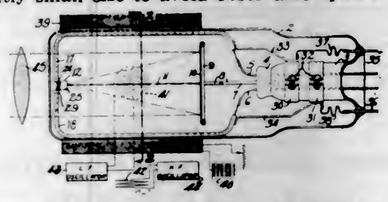
2,233,886
ACOUSTIC DEVICE
Greer W. Cowley, Mountain View, and Walter F. Kannenberg, Passaic, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 5, 1938, Serial No. 206,162
9 Claims. (Cl. 179—115.5)



1. An acoustic device comprising a magnetic structure having spaced parallel pole-pieces defining an air-gap, and a conductive diaphragm in said air-gap, said diaphragm comprising a plurality of parallel conductors, said parallel conductors being a portion of a multiturn, single layer coil, consisting of one continuous wire, two other portions of said coil substantially parallel to said diaphragm and to each other being secured to the magnet structure to support the diaphragm in the air-gap.

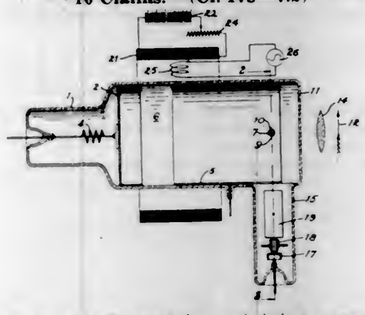
2,233,887
IMAGE PROJECTOR
Philo T. Farnsworth, San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Original application February 6, 1935, Serial No. 5,199. Divided and this application June 13, 1938, Serial No. 213,335
3 Claims. (Cl. 178—7.5)

1. The combination, in a television image projector having a surface on which an illuminated optical image may be formed by electron impact and an objective lens through which light from said surface may be directed to an exterior viewing position, of cathode ray generating means for forming said image on said surface, said means being disposed between said surface and said lens in the path of said light and of sufficently small size to avoid observable optical dis-



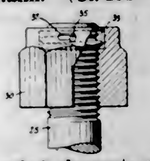
tortion of said image, the said lens, surface and generating means being substantially coaxial.

2,233,888
CHARGE STORAGE AMPLIFIER
Philo T. Farnsworth, San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application July 6, 1935, Serial No. 30,116
10 Claims. (Cl. 178—7.2)



1. In a cathode ray tube containing a conductor having an insulating surface, the method of creating a signal train which comprises projecting an electron image on said insulating surface having elemental length and picture width to produce a charge image thereon corresponding to a single line of said electron image, scanning the charged surface with an electron beam to produce equilibrium thereof, and utilizing the capacitance changes in said conductor due to charge neutralization on said surface by said beam to produce said train.

2,233,889
SCREW THREADED ELEMENT
James Bruce Hood, New York, N. Y.
Application June 20, 1938, Serial No. 214,705
1 Claim. (Cl. 151—30)



In screw threaded elements respectively male and female, a spring having more than one coil wound in conformity with the pitch of the screw threads, a transverse slot in the female element disposed at an angle corresponding to the pitch, said slot terminating at its raised end in a downreaching pocket having one wall at the critical angle of friction with a plane parallel to the axis of the threaded elements, said pocket constituting means to anchor one end of said spring, its other end being freely mounted, said spring releasable when friction causes the anchored end to slip in said slot.

2,233,890
ECCENTRIC SUSPENSION AND CABLE CONNECTION FOR SUBMERSIBLE MOTOR PUMPS
Vaino A. Hoover, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application December 8, 1937, Serial No. 178,742
4 Claims. (Cl. 174—8)



1. A structure for conducting electric current to a device positioned within a substantially cylindrical enclosure past apparatus therein having, beyond a predetermined point in said enclosure, a diameter relative to the enclosure diameter such that there is insufficient room for a round cable of necessary capacity, said conducting structure comprising a round electric cable adapted to extend from one end of the enclosure to said predetermined point, a relatively flat electric cable adapted to be connected to said device in fluid-tight relation therewith and extend from the other end to said predetermined point, the adjacent ends of said round and flat cables, respectively, being permanently connected in fluid-tight relation to individual cable connectors, and said cable connectors being detachably secured together in operable and fluid-tight relation.

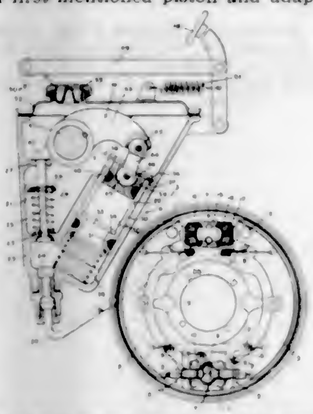
2,233,891
PLASTICIZED PROTEIN COMPOSITIONS
Edouard M. Kratz, Ogden Dunes, Ind., assignor to Marbon Corporation, a corporation of Delaware
No Drawing. Application May 10, 1935, Serial No. 20,728. Renewed February 23, 1940
10 Claims. (Cl. 106—38)

5. A thin flexible transparent film of high wet strength, and suitable for wrapping purposes, said film being composed mainly of casein and having incorporated therein a minor proportion of a fatty acid.

2,233,892
HYDRAULIC BRAKE APPARATUS
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application April 18, 1938, Serial No. 202,788
6 Claims. (Cl. 188—152)

1. A master cylinder for a fluid operated brake

of the self-energizing type, comprising a reservoir, a cylinder adapted to communicate with said reservoir and having a port for the passage of braking fluid under pressure to apply the brake, a piston reciprocable within said cylinder having a bore and a reduced opening at its pressure end providing a shoulder between the bore and opening, a second piston reciprocable within the bore of said first mentioned piston and adapted dur-



ing its advancement to abut said shoulder to thereby advance said first mentioned piston, means for reciprocating said second piston, means for retracting said first mentioned piston after its advancement and upon retraction of said second piston, and a valve for controlling the communication between said reservoir and the portion of said cylinder beyond the pressure end of said first mentioned piston, said valve being operated by said piston reciprocating means.

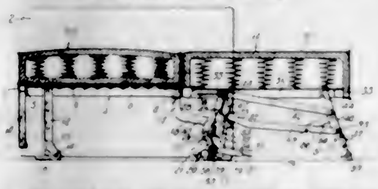
2,233,893

COUCH BED

Joseph Martin, Laurelton, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York

Application December 14, 1937, Serial No. 179,651

22 Claims. (Cl. 5—38)



1. The combination of a main bed section, an extension bed section having a supporting frame including slots and removably connected to said main bed section, supporting members pivotally connected to said extension bed section and cooperating with said supporting frame to support said extension bed section in horizontal bed formation, and control means connecting said supporting members with said supporting frame operable to actuate said supporting members into and out of supporting position and to actuate said extension bed section into or out of initial erect position, said extension bed section having a pin and slot connection with said supporting frame and resting on the upper ends of said supporting frame in horizontal bed formation, said control means including links pivotally connected to said supporting members and slidably connected to slide in the slots of said supporting frame, the slots in said supporting frame being substantially vertical to enable slidable movement of the pivotal connections of said links during the actuation of said extension bed section from initial erect position into and out of low back forming position.

2,233,894

COMPOSITE FUEL AND THE COMBUSTION THEREOF

Edward S. Mead, Philadelphia, Pa.

No Drawing. Application March 2, 1938, Serial No. 193,438

2 Claims. (Cl. 44—1)

1. A composite physically intermixed loose granular fuel mass of anthracite fines of comminuted bituminous coal and of an oil binder, the oil binder constituting from 3% to 5% of the total weight, the bituminous coal from 15% to 20% of the total weight, and the balance anthracite fines; the oil binder preventing segregation of the bituminous and anthracite particles and acting as a combustible constituent of the mixture for permitting coking of the bituminous coal.

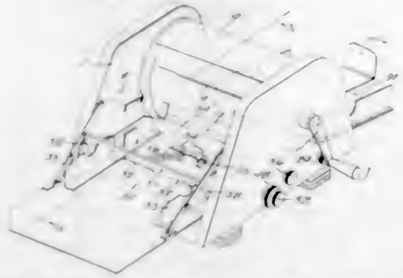
2,233,895

DUPLICATING MACHINE

Luis Mestre, New York, N. Y., assignor to Style Duplicator Corporation, New York, N. Y., a corporation of Delaware

Application August 14, 1939, Serial No. 290,103

6 Claims. (Cl. 101—118)



1. In a duplicating machine, the combination with a stencil cylinder and a pressure roll; of a sheet delivery tray from which sheets are fed to the cylinder and roll, side guides for aligning the sheets, a rubber faced edge plate mounted on each guide, means for moving said edge plates relatively to said guides and parallel to each other to different degrees to effect fine adjustment between said guides and plates, and means located at one side of the machine for moving both guides and edge plates together transversely of the tray while maintaining the relative fine adjustment of the guides and edge plates.

2,233,896

TOILET ARTICLE

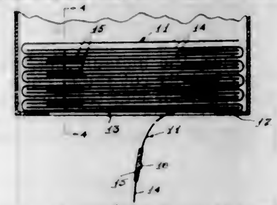
George N. Nelson, Minneapolis, Minn.

Application July 1, 1938, Serial No. 216,934

4 Claims. (Cl. 206—57)

1. A stack of towels adapted to be contained in and dispensed one at a time through a delivery opening in the bottom of a cabinet, said towels being folded so that the withdrawal from the cabinet of the lowermost towel of the stack results in feeding a portion of the next towel from

said cabinet through said opening, each towel having attached to a face of such portion a quantity of cleansing material adapted to be detached for independent use, such material on such portion of each towel serving to weigh the same down



into a position depending from the cabinet in which position the face of said towel portion bearing said material fronts in the same direction as the cabinet and said portion of the towel and said material thereon are readily observable by and accessible to a user of the cabinet.

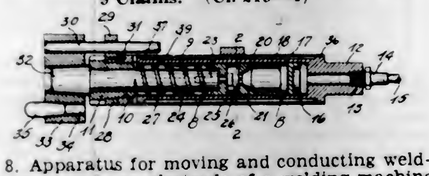
2,233,897

WELDING ELECTRODE ASSEMBLY FOR WELDING MACHINES

Leonard E. Nichols, Bay City, Mich., assignor to National Electric Welding Machines Co., Bay City, Mich.

Application April 28, 1938, Serial No. 204,725

9 Claims. (Cl. 219—4)



8. Apparatus for moving and conducting welding current to an electrode of a welding machine comprising a cylinder, an expansible rod slidably received within said cylinder adapted to move and conduct welding current to said electrode, fluid pressure responsive means within said cylinder for simultaneously exerting expansive and axial thrusts on said rod, and means to supply fluid under pressure to said cylinder.

2,233,898

MULTIPLE UNIT LOOSE-LEAF BOOK

Frederick D. Pitt and Roy T. Jones, Kansas City, Mo., assignors, by mesne assignments, to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application July 2, 1937, Serial No. 151,634

1 Claim. (Cl. 129—1)



In a multiple unit ring book of the kind described, two similar units disposed parallel with each other and comprising each a back member, cooperating ring hooks, and means on said back member by which said hooks are supported so as to open and close transversely to said back member, said hooks of one of said units being in staggered relation to the hooks of the other unit with the hooks of one unit adjacent to the hooks of the other unit overlapping each other in the closed position, means hinging together the adjacent longitudinal edges of said back members, and a separating member hinged to said back members by said hinging means and disposed between the adjacent hooks of the two units and having therethrough holes for respectively receiving therethrough portions of adjacent hooks of adjacent units, when the hooks are in the closed position.

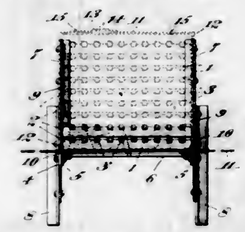
2,233,899

ASSEMBLING RACK

Claude D. Reed and Robert L. Riley, Lebanon, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania

Original application April 21, 1938, Serial No. 203,306. Divided and this application April 12, 1939, Serial No. 267,525

7 Claims. (Cl. 100—31)



1. An assembling rack for forming bundles of rods, comprising horizontally disposed angular side members, each having a vertical and inwardly horizontally extending leg, connecting plates secured to the inwardly horizontally extending legs of the side members at intermediate points for holding the side members in spaced parallel relation, a plurality of pairs of guide brackets arranged in pairs in transverse alignment rigidly secured to the vertically extending legs and extending upwardly from the side members, and vertical reinforcing angles secured to the outside of each of the guide brackets.

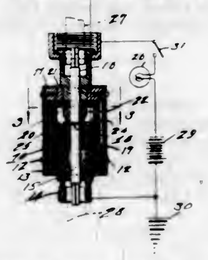
2,233,900

ELECTRICAL SWITCH

Fred H. Rowe, Gloucester, Mass., assignor of one-fourth to George W. Hooper, Salem, Mass.

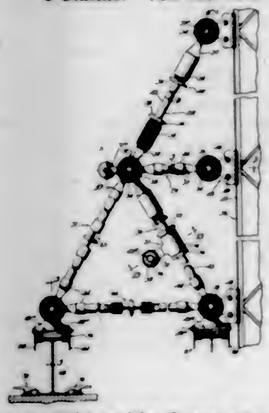
Application February 6, 1940, Serial No. 317,470

2 Claims. (Cl. 200—80)



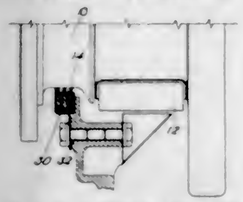
1. An electrical centrifugally operated mercury switch comprising, an insulated rotor having a contact shaft mounted in each end, the opposed ends of said shafts being insulated from each other, a recess located in said rotor having an inclined closed spiral track, the lower end of said track terminating at the insulated ends of said shafts, a ball of mercury located in said recess and rolling on said track, a casing supporting said rotor and journals for said rotor to revolve on.

2,233,901
SYSTEM OF ADAPTABLE ELEMENTS FOR TEMPORARY OR PERMANENT STRUCTURAL FRAMING
John Scacchetti, Union City, N. J.
Application September 12, 1939, Serial No. 294,450
3 Claims. (Cl. 189—34)



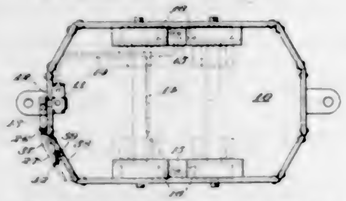
2. In a scaffold or like frame structure, a plurality of framing members comprising truss rods carrying at their ends coupling discs constructed with assembly faces that adapt said discs to be stacked and clamped together in superposed relation at an assembly center in a plane of load distribution of the frame and with the truss rods radiating from their respective stacked discs at said center in selected positions in said plane and in directions appropriate to the frame being formed; each truss rod being composed of at least two strutting members substantially coinciding with the longitudinal axis of the truss rod; the strutting members of each truss rod being relatively rotatable about said longitudinal axis and thereby enabling coupling discs at the ends of the rod to present themselves in parallelism with faces of other discs which they meet in the stack; means being interposed between the strutting members of each truss rod for forcibly imparting relative longitudinal movement to said strutting members and thereby changing the length of the truss rod; and the coupling discs on the strutting members of a truss rod being free to remain in stacked and clamped position during such length adjustment.

2,233,902
SPLIT OIL SEAL
Joseph M. Schmied, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application January 28, 1939, Serial No. 253,329
1 Claim. (Cl. 286—5)



A split oil seal adapted for application to a shaft, comprising a plurality of semi-circular portions, each portion including a flat metallic half washer, and a flat semi-circular flexible sealing element attached thereto, the flexible portion of each section being of a radial width slightly greater than the corresponding width of the metallic half washer, said additional width including a flexible lip portion outlined by an annular groove, the outermost edge of the annular groove coinciding with the inner edge of the metallic washer, the metallic half washer being fore-shortened at its cut radial ends, and means for fastening said portions together about a shaft while, at the same time, compressing the flexible elements whereby the metallic half washers contact each other.

2,233,903
BRAKING SYSTEM
Walter H. Statler, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 6, 1939, Serial No. 283,007
5 Claims. (Cl. 188—153)



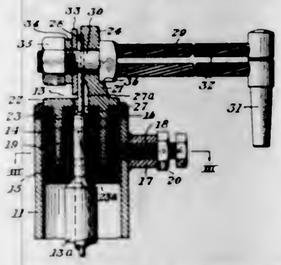
1. In a fluid braking system for a vehicle having wheels and walls to constitute a compartment, a master cylinder within the compartment, slave cylinders controlled by the master cylinder, an extending member carried by the master cylinder, and means outside the compartment operative to actuate said extending member to apply the braking system to the wheels.

2,233,904
BOTTLE CAP
William G. Wagner, Hollywood, Calif.
Application December 26, 1939, Serial No. 310,953
3 Claims. (Cl. 215—39)



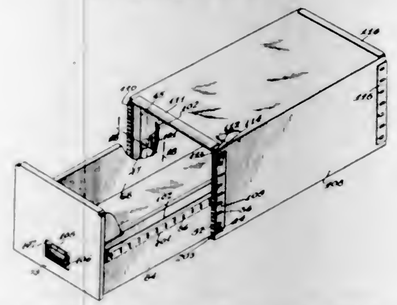
1. A bottle cap having a top and crimped sides, the top having two concentric corrugations formed thereon forming concentric beads on the underside of the cap which project downwardly below the metal of the cap therebetween, the inner bead being arranged to compress a lining tightly against the inner edge of a bottle mouth, and the outer bead being arranged to compress a lining tightly against the bottle mouth adjacent the outer edge thereof, the metal of the cap between the sides and the outer bead being originally above the bottom of the outer bead but being adapted to be flattened or forced downwardly from such elevated position on applying the cap to a bottle, the top of the cap having a depressed inner portion within the inner corrugation providing a gluing or cementing surface for attaching the lining thereto, said surface being approximately flush with the bottoms of the beads.

2,233,905
BOOTLEG
John R. Wilson, Forest Hills, Pa., assignor to Hanlon & Wilson Company, Wilkinsburg, Pa., a corporation of Pennsylvania
Application January 29, 1940, Serial No. 316,178
3 Claims. (Cl. 174—75)



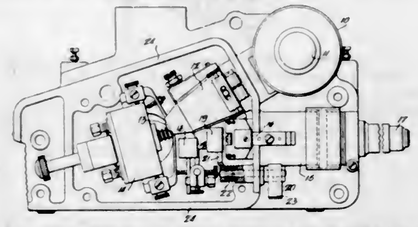
1. A bootleg comprising a tubular riser, an insulating bushing extending into the upper end of said riser, a terminal post on said bushing having a depending skirt embedded in the bushing, the bushing being molded around the skirt and bonded thereto, a bore through said bushing adapted to admit a conductor extending upwardly therethrough from below, to be secured to said post, a metallic sleeve surrounding said bushing, and means extending radially through the riser and engaging said sleeve, thereby securing the bushing in said riser.

2,233,906
CONTAINER AND PART THEREFOR
Philip Zalkind, Bronx, N. Y.
Application October 16, 1933, Serial No. 693,841
11 Claims. (Cl. 45—77)



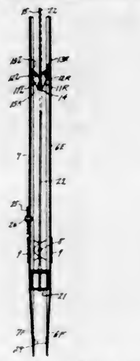
8. A collapsible cabinet comprising the combination of a drawer section of a substantially fibrous board structure foldable into a substantially flat arrangement; a casing section of a substantially fibrous board structure for enclosing said drawer section, and foldable into a substantially flat arrangement; roller mechanism associated with one of said sections for slidably supporting said drawer within said casing when said sections are in assembled condition; reinforcing means secured to said one section for carrying said roller mechanism, whereby said one section is foldable into said substantially flat arrangement with said roller mechanism and reinforcing means attached thereto, with negligible additional thickness being required for said flat arrangement; and track mechanism for coacting with said roller mechanism mounted on the other of said sections, and adapted to strengthen said section whereby said other section is foldable into said substantially flat arrangement with said track mechanism mounted thereon.

2,233,907
SOUND RECORDING APPARATUS
Arthur G. Zimmerman, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1938, Serial No. 248,250
1 Claim. (Cl. 88—23)



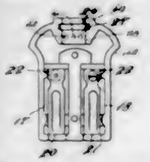
In combination, a sound recording optical system having a light source and means for directing light from said source in a beam along a predetermined path, photoelectric means adjacent said path, light-intensity indicating means connected to said photoelectric means, light reflecting means, and rotary means movable about an axis parallel to said path for moving said light reflecting means into the path of the said light beam for reflecting the light of said beam to said photoelectric means.

2,233,908
UPROOTING IMPLEMENT
Carl P. Bohland and Carl E. Bublitz, Albert Lea, Minn.
Application May 2, 1940, Serial No. 332,959
6 Claims. (Cl. 294—50.5)



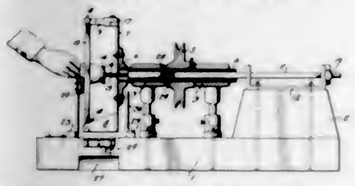
1. In an uprooting device of the class described, a horizontally disposed hand-hold, a main stock extending downwardly from the under side of said hand hold integrally and comprising a pair of bars normally in parallelism, the lower extremities of said bars tapered and comprising a pair of spaced apart jaws, pivot means above said jaw parts connecting the two bars, a toggle between said pair of bars and also connecting the two bars intermediate the said pivot connection and the handle, trigger means within the handle and an operative connection between said trigger means and the toggle to forcibly spread the bars above the said pivot and simultaneously close the said jaws.

2,233,909
ELECTRICAL PLUG
Guy H. Burt, Providence, R. I.
Application August 29, 1938, Serial No. 227,262
1 Claim. (Cl. 173—322)



An electrical cord connector plug comprising a body of insulating material formed in two members each having an abutting face to contact the other, said members providing complementary recesses at one end forming contact housing channels when the body pieces are together, said body members being provided at the other end with a passage at the rear end of the plug body communicating with said channels providing an entrance for the connector wires of an extension cord for connection to the wiring terminals of the contact members, said passage being formed by a main recess and a plurality of minor recesses in one member and a plurality of projections on the other member extending into said recess and but partially into the minor recesses to leave an opening of a character to deform a cord positioned in said opening and cause gripping of the same sufficiently to prevent substantial twisting of the cord in the opening or slipping of the cord relative to the body members.

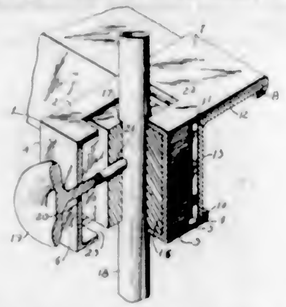
2,233,910
EGG CLEANING MACHINE
Alfred Benjamin Carper, Creswell, Oreg.
Application January 10, 1940, Serial No. 313,263
9 Claims. (Cl. 51—73)



1. In an egg-cleaning machine, in combination with abrasive surfaces rotated perimetrically about an egg, a non-rotative pad reciprocatively mounted on the axis of the aforesaid rotated abrasive surfaces and in line with the entry of the egg into the machine, resilient means for exerting pressure axially to the said pad, and means for limiting the reciprocative movement of the said pad.

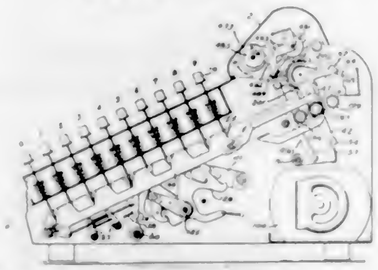
2,233,911
CLAMP
Cloyes R. Carson, Santa Clara, Calif.
Application August 30, 1939, Serial No. 292,651
2 Claims. (Cl. 248—226)

2. A compound clamp comprising a housing provided with means disposed to engage spaced portions on one side of a supporting rail, a clamping element slidably associated therewith and disposed to engage the rail in opposed relation to said means, said element having a passage formed therethrough adapted to slidably engage a supporting standard and split on one side from the passage to its outer surface to form a clamping element, and clamp operating means inserted between the housing and said element operative to simultaneously clamp the



clamping element on a supporting standard therein and urge the said clamping element into fixed relationship with the rail.

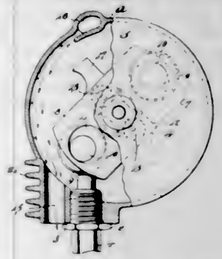
2,233,912
CALCULATING MACHINE
George C. Chase, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application November 24, 1937, Serial No. 176,156
In Sweden November 25, 1936
8 Claims. (Cl. 235—79)



7. In a calculating machine having numeral wheels and drive mechanism including oppositely rotated gears of the same driving gear ratio; digit entering means comprising a series of differential units each related to a numeral wheel and including orbital gearing and related gear trains, each orbital gear unit having an input leg comprising a plurality of alternatively controlling independent gear trains of consecutive even digit gear ratios and a second input leg comprising a gear train of a comparative gear ratio of one, and means for meshing gear trains of one or more of said input legs with the drive mechanism through the forwardly or alternatively through the reversely rotated member, selectively, to register any one of the lower value digits of a consecutive series positively or any one of the higher value digits of said series complementally.

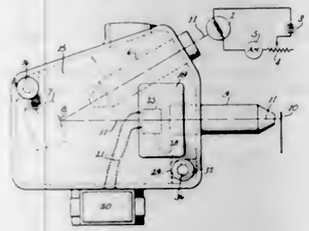
2,233,913
POWER HAMMER
Harry B. Colestock, St. Paul, Minn.
Application October 10, 1938, Serial No. 234,330
3 Claims. (Cl. 125—33)

2. In combination with a drive shaft, a cross member fixed upon said shaft, a rotary member, a spindle support for said rotary member upon said cross member on opposite sides of said shaft and a resilient element interposed between said



spindle support and said cross bar, for the purpose set forth.

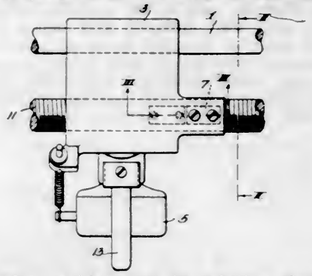
2,233,914
MONITORING FOR SOUND SYSTEMS
Milford E. Collins, Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1938, Serial No. 205,239
6 Claims. (Cl. 88—23)



3. In a system for determining the proper exposure of a light sensitive emulsion in accordance with its temperature sensitivity characteristic, means for supporting said light sensitive emulsion, a photoelectric device, means for deflecting light directed toward said light sensitive emulsion to said photoelectric device, means for indicating the output of said photoelectric device, and circuit means interconnecting said photoelectric device and said indicating means, said circuit means providing said photoelectric device and indicating means with a temperature characteristic which automatically follows the temperature sensitivity characteristic of said emulsion.

2,233,915
PHONOGRAPHIC APPARATUS
Edward C. Conrad, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1939, Serial No. 259,021
1 Claim. (Cl. 274—13)

In phonographic apparatus, the combination of a threaded lead screw constituting a driving member, a carriage, a sound translating device mounted on said carriage for cooperation with a record, a leaf spring, means securing said leaf spring to said carriage, the length of said spring extending parallel to said lead screw, and a half nut adapted to cooperate with said lead screw mounted on said leaf spring adjacent said securing means, whereby said spring holds said half nut in firm yielding engagement with said driving member in a direction normal to the axis of said driving member and substantially rigidly in a direction parallel to the axis of said driving



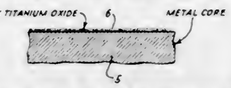
member when said sound translating device is disposed in cooperative relation to the record.

2,233,916
BURNER
James A. Creighton, Hamburg, N. Y., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application November 22, 1938, Serial No. 241,801
7 Claims. (Cl. 158—11)



1. The combination with a furnace of the class described having a combustion chamber, a burner unit comprising a plurality of tubes arranged at an inwardly diverging angle to each other extending into the combustion chamber, a liquid fuel burner pipe in each tube, and an outer casing for supporting the tubes in fixed relation to each other.

2,233,917
BLACK COATING FOR ELECTRON DISCHARGE DEVICES
Jan Hendrik de Boer, Hajo Bruining, and Leonardus Theodorus Scheerman, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 17, 1938, Serial No. 246,284
In Germany March 25, 1938
5 Claims. (Cl. 250—177)

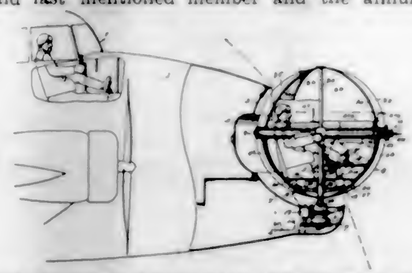


1. An electron discharge device comprising an envelope, a non-emitting electrode in said envelope, said electrode being coated with black titanium oxide, and a cathode within said envelope.

2,233,918
AIRPLANE MACHINE GUN MOUNT
Howard M. Fey, Portland, Oreg.
Application December 29, 1937, Serial No. 182,208
10 Claims. (Cl. 89—37.5)

10. In aircraft, a gunner's compartment formed by a transparent spherical wall element, a bifurcated base member therefor, rotatably mounted in said aircraft, an annular member pivotally mounted between the bifurcations of said base member upon an axis normal to the axis of rotation of said base member, said annular member carrying said transparent wall

element, a dependent cradle member carrying a gunner's seat and a gun mounted in alined relation thereto, said latter member being housed within said wall element and being journalled in said annular member upon an axis normal to the axes of rotation of said other two members, said gun being directed outwardly from said compartment thru the journal connection of said last mentioned member and the annular



member, power driven means for producing relative rotation of said members, and selective controls for energizing said means, said controls being carried by said last mentioned member, said control devices being operable to regulate the speed of operation of said means, and said control devices being proportioned and arranged to effect progressively greater speed of operation of said means as said control devices are moved from normal.

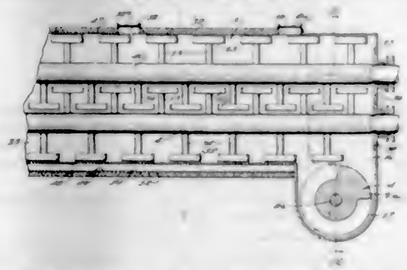
2,233,919

FOOD PROCESSING MACHINE

Thomas R. James, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

Application August 19, 1938, Serial No. 225,767

3 Claims. (Cl. 53—17)



1. In a continuous machine of the class described, a cooker including an elongated vessel of oblong cross-section, a pair of shafts extending longitudinally tnrough said vessel, T-shaped mixing arms extending from said shafts with the stem portions of the arms fixed to the shafts and the heads of the arms of each shaft positioned between the stems of the arms of the other shaft in longitudinally overlapping relationship when passing, and means to cause rotation of said shafts, certain of the arms of each shaft simultaneously passing closely adjacent the arms of the other shaft to cause a thorough kneading of material in said vessel.

2,233,920

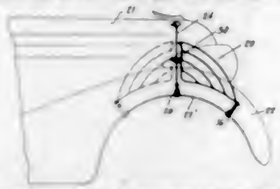
RADIO ANTENNA FOR AUTOMOBILES

Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application February 19, 1937, Serial No. 126,540

2 Claims. (Cl. 250—33)

1. An antenna structure for a motor vehicle comprising an antenna; antenna positioning and insulating means comprising a plurality of spaced mounting means, one of said mounting means being shaped to engage and be supported by an edge of the fender of the motor vehicle and the other mounting means being shaped to engage and be supported by a vertical member secured to the fender of the motor vehicle; an insulator positioned between one of the mounting means



and the antenna and connected to both, the insulator having an internal seat and a passageway leading therefrom to the exterior of the insulator; and a means conductively connected to the antenna to facilitate attachment of the conductor to a radio receiver, including a terminal from the antenna positioned in the seat so that a wire therefrom may pass through the passageway.

2,233,921

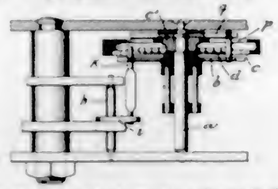
ANCHOR ESCAPEMENT FOR CLOCKS AND THE LIKE

Helmut Junghans, Schramberg-Sulgen, Germany

Application January 26, 1940, Serial No. 315,634

In Germany September 29, 1938

1 Claim. (Cl. 58—117)



In an anchor escapement for clocks and the like, the combination of an escapement wheel spindle, two escapement wheels mounted on said spindle, one fixedly and the other loosely, one of said wheels being externally toothed and the other being larger and internally toothed, said wheels having the same pitch of tooth but oppositely directed lifting planes, the teeth of one of said wheels being opposite to the wider gaps between the teeth of the other wheel, means flexibly coupling together said wheels, means limiting the rotation of said wheels with respect to each other, an oscillating anchor, two limiting springs secured to the hub of one of the escapement wheels and a grooved stop pin mounted on the other escapement wheel and engaging with play between said springs, said grooves being provided in the zone of contact of said stop pin and forming acute-angled elevations to prevent oil from creeping up to said zone of contact.

2,233,922

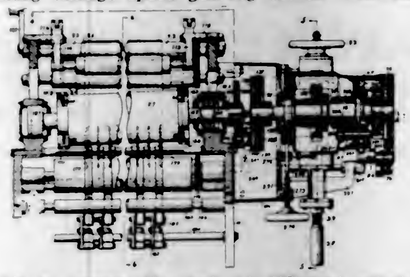
SHEET CUTOFF AND FEEDING MECHANISM

Christen R. Kaddeland, Shelton, Conn., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware

Application January 5, 1938, Serial No. 183,464

18 Claims. (Cl. 164—68)

1. In mechanism for cutting sheets from a web and feeding them to a machine for operating upon them, a shaft geared to said machine to rotate at a speed proportional to the speed of the machine, rotary cutting knives driven from said shaft to sever a sheet from the web for each sheet operated upon by the machine, a control for the driving means of said knives adapted to regulate the speed of the knives at the instant of cutting to correspond approximately with the web speed, means comprising change speed gearing driven from said



shaft to convey the web at different selected speeds, means also comprising said change speed gearing driven from said shaft to convey the severed sheets toward the machine at speeds proportional to and at least as great as the different selected web speeds, and feed-in rollers rotating with a peripheral speed equal to or greater than the highest selected speed of said sheet conveying means adapted to grip each sheet before it is released by said sheet conveying means and to forward it to said machine.

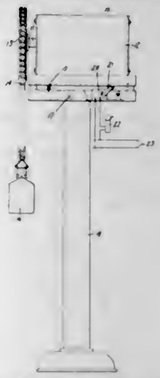
2,233,923

CONTROL DEVICE

Glenn F. Maughmer, Phoenix, Ariz., assignor to General Electric Company, a corporation of New York

Application September 26, 1939, Serial No. 296,601

3 Claims. (Cl. 177—311)



1. The combination with a control device, of a wheel for operating said control device, a weight, a float, a flexible member passing over said wheel connecting said weight and float to each other and to said control device so that said weight and float are supported by said control device and said control device is operated in response to the movement of said float, means mounting said control device for movement in a predetermined direction and so that said control device is normally held by said weight and float in a predetermined position, said control device being biased against said weight and float to another position in the event of failure of said flexible member, and control means actuated by said control device in moving to said other position.

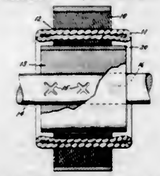
2,233,924

DYNAMOELECTRIC MACHINE

Wayne E. McKibben, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application September 30, 1939, Serial No. 297,314

2 Claims. (Cl. 171—209)



1. A dynamoelectric machine having a core of magnetic material provided with a winding, a magnetic excitation system including permanent magnet pole pieces of material having a relatively low impact strength, and a prefabricated sleeve member surrounding the pole pieces and in intimate contact therewith including pole faces of magnetic material and interconnecting members of non-magnetic material, said sleeve being made of material having a relatively higher impact strength so that the pole pieces are supported and the danger of fracture of the pole pieces is lessened.

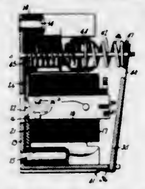
2,233,925

MAGNETICALLY OPERATED DEVICE

Allen G. Stimson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1938, Serial No. 243,376

5 Claims. (Cl. 175—336)



1. A magnetically operable device comprising a base of insulating material adapted to be mounted on a panel, a magnetic frame mounted on the bottom of said base, a core member, an energizing winding on said core member, an auxiliary frame plate secured to the bottom of said core member having an extension thereon projecting beyond the periphery of said energizing winding, fastening means including said extension of said auxiliary frame plate accessible from the upper side of said base for securing said auxiliary frame plate to said frame thereby enabling easy removal of said auxiliary frame plate, core member, and energizing winding from said frame and base when said device is mounted on a panel.

2,233,926

ELECTRIC SWITCH

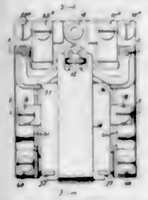
Allen G. Stimson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application December 1, 1938, Serial No. 243,376. Divided and this application April 25, 1940, Serial No. 331,662

6 Claims. (Cl. 200—164)

1. In a switching device having a movable op-

erating member, the combination of a guide post having a slot therein which is closed at one end of said post, said member movable in said slot during movement of said member, a contact carriage movably mounted on said guide post, a spring providing a resilient connection between said contact carriage and said member, and a



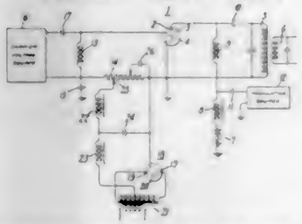
spacing washer on said guide post interposed between said spring and said member, said washer having a pair of inwardly extending portions projecting into said slot whose ends are spaced apart slightly less than the thickness of said guide post to secure said washer on said guide post, said closed end of said guide post serving to limit the movement of said member.

2,233,927

ELECTRON DISCHARGE AMPLIFIER

Henry P. Thomas, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 23, 1940, Serial No. 325,586
6 Claims. (Cl. 179—171.5)



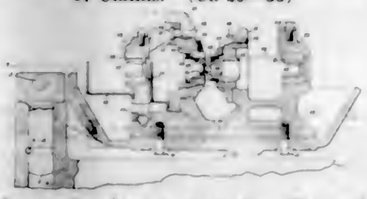
1. In combination with an electron discharge amplifying device having an input grid circuit, means coupling an excitation voltage to said grid circuit to produce a flow of current therein, means to derive a bias for said grid from said current flow comprising a self bias impedance in said circuit, and normally inoperative biasing means rendered operative in response to reduction of said excitation voltage below a predetermined value to apply a negative bias to said grid.

2,233,928

WIRE SHAVING PROCESS AND FIXTURE

Caius E. Weaver, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 16, 1939, Serial No. 256,703
17 Claims. (Cl. 29—33)



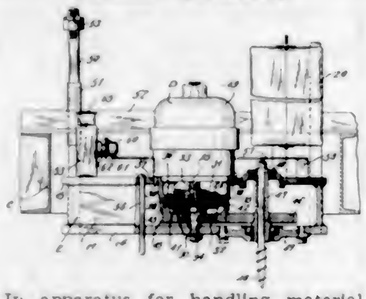
1. In a wire shaving apparatus the combination of an integral cutting die provided with an annular cutting edge, a drawing die preceding said cutting die, a guide die arranged between said drawing and cutting dies, said guide die being spaced from said cutting die by a distance only sufficient to permit a continuous egress of the material being removed from the wire, and means for adjusting said guide die about the axis of the cutting die to equalize the annular thickness of the material removed from the surface of the wire.

2,233,929

MATERIAL HANDLING APPARATUS

William G. Wehr, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio

Application March 22, 1939, Serial No. 263,474
8 Claims. (Cl. 294—81)



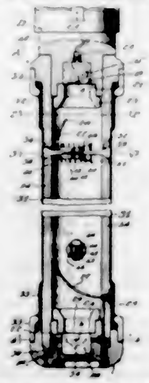
1. In apparatus for handling material the combination of a frame adapted to be suspended from an overhead support, and a plurality of individual grab units supported in said frame for limited vertical movement, each of said units comprising: a plurality of downwardly projecting rotatably supported spiral tines, driving means for rotating said tines, and means including a member adapted to engage the material being handled and be actuated thereby for automatically rendering said driving means inoperative when said tines have reached a predetermined depth in the material.

2,233,930

OIL WELL CLEANER

Fred A. Witt, Los Angeles, Calif., assignor of sixty-six and two-thirds per cent to William A. Witt, and thirty-three and one-third per cent to Edward A. Witt, both of Los Angeles, Calif.

Application August 4, 1938, Serial No. 223,036
13 Claims. (Cl. 166—20)



1. In a device for cleaning perforated well cas-

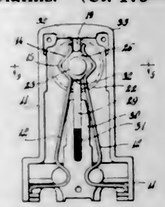
ings, an expansible sleeve, a support therefor, means for lowering said support and sleeve into a well casing, means for dilating said sleeve against said well casing, and means for blasting portions of said sleeve outwardly through perforations in said casing.

2,233,931

ELECTRICAL SOCKET

Milton Alden, Brockton, Mass.

Application September 9, 1940, Serial No. 355,947
6 Claims. (Cl. 173—328)



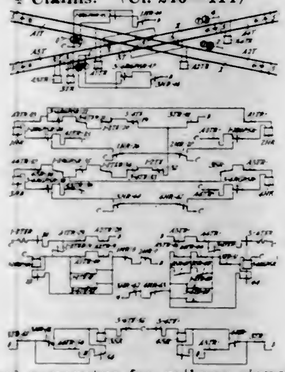
1. A tube socket comprising a body member containing two spaced contacts, at least one of which is resilient, a rotatable support mounted in the body member between said contacts and at least partly embraced thereby and having a slot leading to said contacts and a spring pressed latch interlocking radially with the support to hold it in one position, said latch being retractable by pressure from a pin of a tube when it is being inserted into said slot, said pin acting laterally upon said latch.

2,233,932

RAILWAY SIGNALING

Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 24, 1940, Serial No. 347,241
4 Claims. (Cl. 246—114)



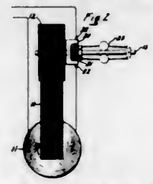
1. Control apparatus for railway signaling for intersecting tracks in which two signals are provided for each track one on each side of the intersection for governing traffic movements in opposite directions over the intersection, comprising in combination, a signal relay for each of said signals, a locking relay for each of said tracks, a clearing control circuit for energizing each of said signal relays including a front contact of each of said locking relays and a contact closed in response to a train arriving within a given distance in the rear of its signal, a stick circuit for retaining each of said signal relays energized including a front contact of its own and a back contact of the signal relay for the opposite signal as well as a back contact of the locking relay for its track and a front contact of the locking relay for the other track, energizing circuit means for each of said locking relays controlled by back contacts of the signal relays for the corresponding track and also controlled by contacts which are closed only if there is no train within a given distance in the rear of either signal for the corresponding track, and a clearing circuit for each signal controlled by a front contact of its signal relay and by a back contact of the locking relay for its track.

2,233,933

RELUCTANCE MOTOR

Warren D. Anderson, Stamford, and Leonard W. Cook, Stratford, Conn., assignors to General Electric Company, a corporation of New York

Application May 14, 1938, Serial No. 207,962
4 Claims. (Cl. 172—36)



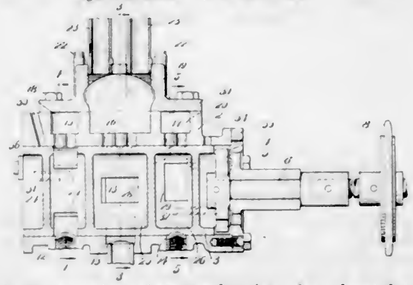
2. A reluctance motor having stator and rotor magnetic members provided with cooperating salient pole pieces, a winding for energizing said motor, a normally biased closed contact device in series with said winding, means operated by said motor for opening said contacts in timed relation with each arrival of its rotor to substantially a minimum reluctance position between the stator pole pieces when rotating in a given direction of rotation, and means responsive to the speed of said motor for rendering said contact opening device ineffective at substantially a predetermined speed whereby said contacts remain closed above such speed.

2,233,934

CYLINDRICAL VALVE FOR SHEET HANDLING MACHINES

Headley Townsend Backhouse, London, England

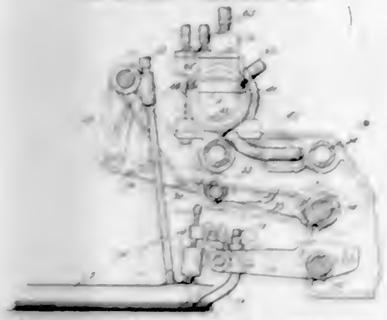
Application January 4, 1936, Serial No. 57,547. Renewed June 19, 1940. In Great Britain January 11, 1935
3 Claims. (Cl. 251—98)



1. In an air valve mechanism for sheet handling machines, a cylindrical casing having three primary ports approximately in longitudinal alignment, and three secondary ports on the opposite side of the casing, certain of said primary ports being suction ports and certain other of said primary ports being air pressure ports, and

the central primary port being different in kind from the two end primary ports, a cylindrical rotor mounted for rotation within the casing, said rotor having three passages therethrough, each passage being adapted to register simultaneously with a primary port and a corresponding secondary port, and means for rotating said rotor.

2,233,935
SHEET HANDLING MACHINE
Headley Townsend Backhouse, London, England
Application June 7, 1939, Serial No. 277,853
In Great Britain January 11, 1935
15 Claims. (Cl. 271—26)



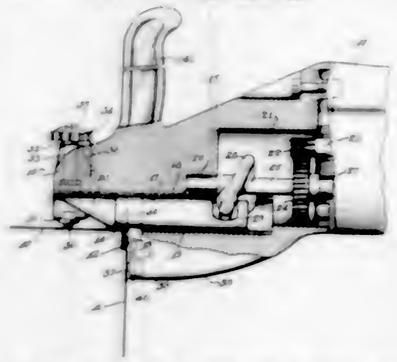
1. A sheet feeder adapted to feed sheets in lapped relation from the top of a supply of sheets, comprising moving suction devices disposed on opposite sides of the longitudinal center line of the sheet path above the rear portion of the topmost sheet and operated to feed each topmost sheet in turn from the supply, air blast devices also disposed on opposite sides of said center line adjacent the rear portion of said topmost sheet for assisting the separation of the same, valve means for controlling the suction and air blast in said devices arranged substantially on said center line to the rear of the center of the topmost sheet, pneumatic connections from said devices to said valve means, and mechanism for operating said valve means in synchronism with the movements of said suction devices.

2,233,936
DENTAL APPLIANCE
Howard R. Campbell, Dayton, Ohio
Application March 28, 1940, Serial No. 326,514
11 Claims. (Cl. 132—92)



1. In a device of the class described, in combination, a handle member having a compartment therein opening outwardly, a spool of dental floss contained in said compartment, means associated with said member for engaging a length of said dental floss at separated points thereof to position for use a working portion of said floss intermediate said points, and resilient clamping means adapted to grippingly engage the handle member and having a portion extending across the opening to retain the spool in said compartment, said resilient clamping means cooperating with said floss at points on both sides of the working portion, whereby to make taut the said working portion for the purpose described.

2,233,937
PORTABLE SHEET METAL BENDING TOOL
Andrew M. Hexdall, Morris, Ill.
Application June 25, 1938, Serial No. 215,941
7 Claims. (Cl. 152—21)



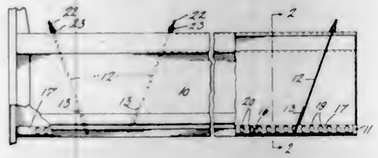
5. A power actuated tool for bending sheet metal comprising, in combination, a plunger having a metal-bending head thereon, said head presenting an active face tapering away from the forward end thereof, means supporting said plunger for longitudinal reciprocation, a guiding abutment on said supporting means adjustable transversely to the path of reciprocation of said head, a second guiding abutment on said supporting means displaced laterally from the path of reciprocation of said plunger on the side thereof on which said tapered head face is located and facing generally axially of said plunger toward the headed end thereof, and power actuated means on said supporting means for reciprocating said plunger.

6. A power actuated portable sheet metal bending tool comprising, in combination, a body member having a recess therein, a metal-bending head, means supporting said head on said body member for movement in a fixed path in said recess, a self-contained power actuating device for said head on said body member, a plurality of guiding abutments on said body member disposed at spaced points with relation to said bending head path, and means for adjustably projecting at least two of said abutments into said recess a predetermined distance to determine adjustably the positional relation of said fixed path for the bending head to a work piece inserted in said recess and engaged by said abutments.

2,233,938
DIVIDER MEANS FOR FILE RECEPTACLES
James R. Jones, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application May 3, 1939, Serial No. 271,538
4 Claims. (Cl. 129—16)

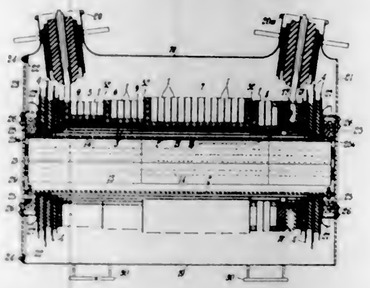
2. The combination with a file receptacle, of a channel member removably secured at the bottom of the receptacle and having upwardly projecting side flanges provided with out-turned top edges, said top edges having outer portions

which frictionally engage fixed receptacle walls at opposite sides of the channel member and releasably retain said member in place, said flanges being provided with spaced slots having V-like lower portions and narrow necks between downwardly facing shoulders and opening upwardly through the top edges of said flanges, and a di-



vider having a foot with extends downwardly into said channel member between said flanges and has lateral projections removably seated and adapted to pivot in the V-like portions of opposite slots in said flanges of the channel member and adapted to pass vertically through the narrow necks of the slots.

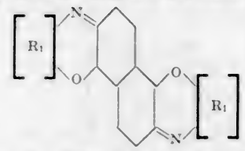
2,233,939
ELECTRICAL SURGE ABSORBER
John Leonard Miller, Hollinwood, England, assignor to Ferranti Electric Inc., New York, N. Y.
Application October 27, 1938, Serial No. 237,361
In Great Britain October 29, 1937
4 Claims. (Cl. 175—356)



1. A surge absorber comprising a primary winding having low self-capacity, a secondary circuit in close coupled relationship to said primary winding composed of a plurality of sets of endless rings of resistance material, a pair of discs of insulating material disposed one on each side of each set of rings, a plurality of laterally projecting tongue portions on one of each pair of said discs disposed in concentric circles to form lodgments locating said rings of resistance material of each set in concentric relationship.

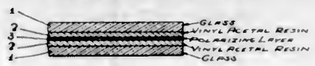
2,233,940
DIOXAZINES AND PROCESS OF MAKING THE SAME
Willy Burneleit, Cologne-Deutz, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application December 10, 1938, Serial No. 245,039. In Germany December 10, 1937
14 Claims. (Cl. 260—246)

13. The products obtained by heating 2.6-naphthalene-diamines with o-quinones being free from secondary and tertiary amino groups, the said compounds having the probable formula



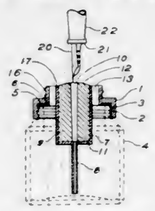
wherein R_1 represents an arylene radical.

2,233,941
NONGLARE SAFETY GLASS
Earl L. Fix, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application June 23, 1936, Serial No. 86,795
5 Claims. (Cl. 88—65)



1. A laminated plate of nonglare safety glass comprising a pair of glass sheets, a layer of plasticized, polymerized incomplete vinyl acetal resin adherent to the inner face of each glass sheet, and a relatively thin sheet of hard cellulosic material intermediate the vinyl acetal resin layers and adhered thereto, the cellulosic material having dispersed and embedded therein a multiplicity of light polarizing particles with their polarizing axes oriented to substantial parallelism.

2,233,942
FOUNTAIN PEN FILLING ADAPTER
Paul Reheard Frey, Fort Collins, Colo.
Application February 14, 1940, Serial No. 318,875
7 Claims. (Cl. 120—4)



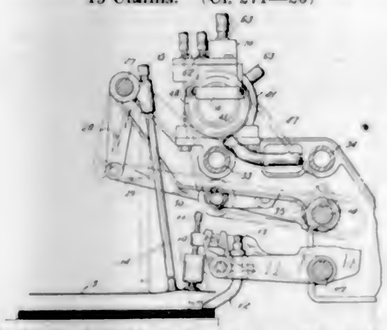
1. The combination, in a fountain pen filling adapter, of a cap having a customary device to detachably engage the neck of the ink bottle, a well concentrically arranged in spaced relation to the said cap, and a stopper, provided with a longitudinal passage to accommodate the insertion of a pen point, removably occupying the said well.

2,233,943
CUTTER FOR DREDGES
Laurence T. Gaylord, Upper Montclair, N. J., assignor to Atlantic, Gulf and Pacific Company, a corporation of West Virginia
Application February 3, 1939, Serial No. 254,343
11 Claims. (Cl. 37—67)

1. A spider for a rock cutter for use in hydraulic dredging comprising a plurality of arms each curved so that the point of connection of an arm at the rear of the spider is in advance, in direction of rotation, of the point of connection at the nose of the cutter, a plurality of sockets attached to each arm, the sockets nearer

the central primary port being different in kind from the two end primary ports, a cylindrical rotor mounted for rotation within the casing, said rotor having three passages therethrough, each passage being adapted to register simultaneously with a primary port and a corresponding secondary port, and means for rotating said rotor.

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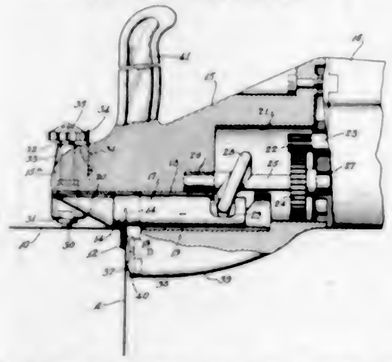
1. A sheet feeder adapted to feed sheets in lapped relation from the top of a supply of sheets, comprising moving suction devices disposed on opposite sides of the longitudinal center line of the sheet path above the rear portion of the topmost sheet and operated to feed each topmost sheet in turn from the supply, air blast devices also disposed on opposite sides of said center line adjacent the rear portion of said topmost sheet for assisting the separation of the same, valve means for controlling the suction and air blast in said devices arranged substantially on said center line to the rear of the center of the topmost sheet, pneumatic connections from said devices to said valve means, and mechanism for operating said valve means in synchronism with the movements of said suction devices.

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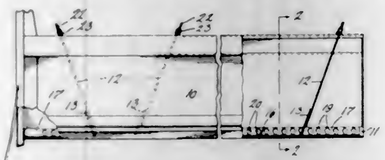
5. A power actuated tool for bending sheet metal comprising, in combination, a plunger having a metal-bending head thereon, said head presenting an active face tapering away from the forward end thereof, means supporting said plunger for longitudinal reciprocation, a guiding abutment on said supporting means adjustable transversely to the path of reciprocation of said head, a second guiding abutment on said supporting means displaced laterally from the path of reciprocation of said plunger on the side thereof on which said tapered head face is located and facing generally axially of said plunger toward the headed end thereof, and power actuated means on said supporting means for reciprocating said plunger.

6. A power actuated portable sheet metal bending tool comprising, in combination, a body member having a recess therein, a metal-bending head, means supporting said head on said body member for movement in a fixed path in said recess, a self-contained power actuating device for said head on said body member, a plurality of guiding abutments on said body member disposed at spaced points with relation to said bending head path, and means for adjustably projecting at least two of said abutments into said recess a predetermined distance to determine adjustably the positional relation of said fixed path for the bending head to a work piece inserted in said recess and engaged by said abutments.

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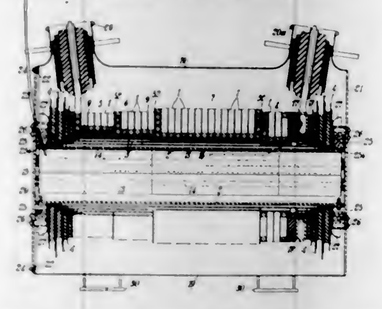
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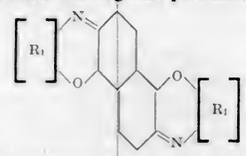
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No Drawing. Application December 10, 1938, Serial No. 245,039. In Germany December 10, 1937
14 Claims. (Cl. 260—246)

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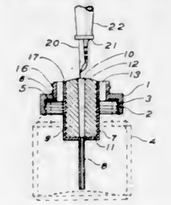
wherein R_1 represents an arylene radical.

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Earl L. Fix, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application June 23, 1936, Serial No. 86,795
5 Claims. (Cl. 88—65)



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7 Claims. (Cl. 120—4)

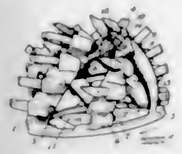


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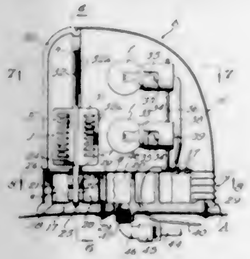
2,233,943
CUTTER FOR DREDGES
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Application February 3, 1939, Serial No. 254,343
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1. A spider for a rock cutter for use in hydraulic dredging comprising a plurality of arms each curved so that the point of connection of an arm at the rear of the spider is in advance, in direction of rotation, of the point of connection at the nose of the cutter, a plurality of sockets attached to each arm, the sockets nearer

the nose being so positioned that the front face of those sockets, in direction of rotation, is substantially parallel to that edge of the arm which is forward in direction of rotation.



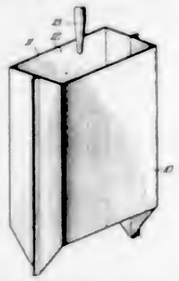
2,233,944
SIGNAL
Chujiro Genda, Beverly Hills, Calif.
Application December 14, 1938, Serial No. 245,636
4 Claims. (Cl. 116—22)



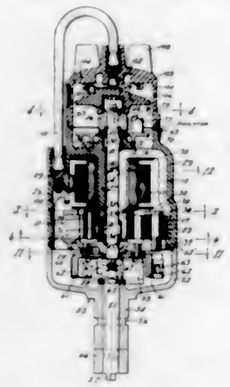
1. A signal lamp comprising a single casing having a light emitting opening, a pair of electric lamps mounted in side to side relationship to each other within said casing, a first movable lamp shield means in said casing between one of said lamps and said opening effective when continuously moved to alternately freely permit and to practically completely deny passage of light from its related lamp through said opening, a second movable lamp shield means in said casing between the other of said lamps and said opening effective when continuously moved to alternately freely permit and to practically completely deny passage of light from said other lamp through said opening, each shield means being effective to permit and deny passage of light from its related lamp only through said opening, said lamp shield means being related to each other so that when either is positioned to practically completely deny passage of light from its related lamp through said opening the other is positioned to permit free passage of light from its related lamp through said opening, and means for continuously simultaneously moving said lamp shield means.

2,233,945
METHOD OF PACKAGING MATERIALS
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application December 6, 1939, Serial No. 307,860
5 Claims. (Cl. 93—6)

1. The method of packaging materials, which comprises subjecting an open container composed of thermoplastic rubber hydrochloride material to the action of heat to momentarily soften said rubber hydrochloride, loading the container with a material to be packaged, and folding the container into closed position before it has lost the softening effect produced in said heating operation.

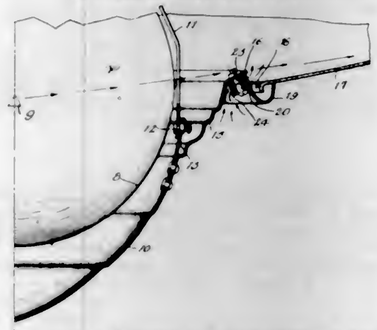


2,233,946
MAGNETO
Kenneth A. Harmon, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application January 26, 1939, Serial No. 253,025
9 Claims. (Cl. 171—209)



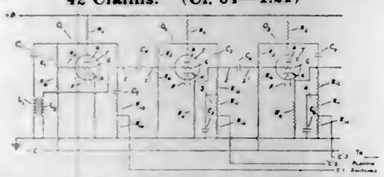
8. A stator structure for a dynamo electric machine, comprising, a coil, a plurality of substantially U-shaped flux-conducting members each made up of laminations and including inner and outer legs and a cross-connecting portion at one end of said legs all rigidly held together as one piece, said members disposed in angularly-spaced relation in a circular series around the axis of said coil with all the inner legs passing through the coil and all the outer legs located outside the coil, a housing for said coil and members constructed of non-magnetic material and having an end wall adjacent one end of said coil and a marginal wall encompassing the coil, all said outer legs being fixed in said marginal wall and all said cross connecting portions being fixed in said end wall, means for binding together all the inner legs into one rigid unit, rigidly supported and braced by the outer legs and cross-connecting portions which are anchored in said marginal and end walls, respectively, pole piece means carried by said outer legs, and pole piece means carried by said inner legs and held firmly in coaxial relation with the first-named pole piece means by said rigid unit.

2,233,947
VENTILATED LUMINAIRE
Walter W. Kantack, St. Albans, N. Y.
Application December 15, 1937, Serial No. 179,952
4 Claims. (Cl. 240—78)



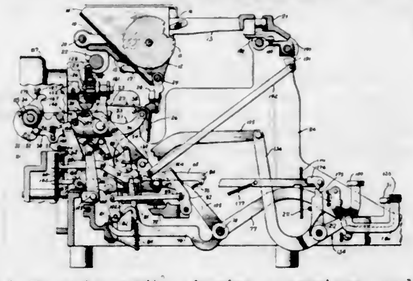
1. A ventilated luminaire embodying a bulb; a heat generating light source therein; a cup surrounding a portion of said bulb, said cup provided with an upper rim portion disposed with its margin above the horizontal plane of said light source; a translucent bowl encircling said rim, said bowl having a central opening the margin of which opening is in a plane below the top of said rim; and a ring separate from said cup and suspended therefrom in spaced relation below the horizontal plane of said rim, said ring supporting said translucent bowl in spaced relation and at a substantial distance from said rim, the margin of said rim shielding the marginal portion of said bowl around said central opening from direct light rays and radiant heat rays emanating from said light source and bulb, the space between said rim and said bowl constituting heat-insulating means maintaining the proximate portion of said bowl at a substantially lower temperature than said rim during illumination of said bulb.

2,233,948
ELECTRICAL ORGAN
Winston E. Kock, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application March 17, 1938, Serial No. 196,484
42 Claims. (Cl. 84—1.21)



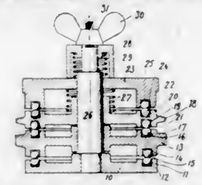
1. In a system including a plurality of sources of complex electric oscillations wherein the said sources are related in frequency harmonically to each other, the combination of a plurality of electrical relaxation oscillators arranged to form a series, each oscillator including a discharge tube having at least an anode, a cathode and a grid, electrical conducting means common to the said oscillators of said series, a plurality of impedances connected respectively between said conducting means and the said cathodes of at least all but the last of the said oscillators in said series, whereby at least a portion of the anode-to-cathode discharge current in an oscillator flows through the corresponding impedance, coupling means respectively between adjacent oscillators of the said series for applying at least part of the oscillation voltage appearing across the impedance of a preceding oscillator to the grid of a succeeding oscillator in said series, whereby the anode-to-cathode discharge current in a preceding oscillator affects the anode-to-cathode discharge current in a succeeding oscillator, a source of electric oscillations of stable frequency, and means for applying voltage from said stable source to the first oscillator of the said series, whereby in the above said combination a plurality of sources of stable oscillations of complex wave form and harmonically related fundamental frequencies may be secured.

2,233,949
TYPEWRITING MACHINE
Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application March 25, 1939, Serial No. 264,094
14 Claims. (Cl. 197—66)



4. In a typewriter, having a carriage, and a case-shift body; a normally deenergized electric motor, a normally operative-conditioned actuating train from the motor to said case-shift body, a normally inoperative-conditioned drive-train from the motor to the said carriage, means to effect a temporary energization of the motor for imparting a case-shift movement to the case-shift body by the said normally operative-conditioned train, and means to effect a temporary reversal of the conditions of the said trains and a temporary energization of the motor, to thereby effect a motor-driven movement of the carriage without effecting a case-shift movement.

2,233,950
DETENT MEANS
Albert Emile Marcel Lepetit, Montrouge, France
Application December 16, 1939, Serial No. 309,633
In France January 16, 1939
4 Claims. (Cl. 74—527)



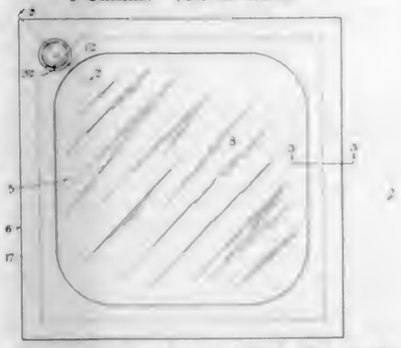
1. In a clutch, a first plate, a row of balls fixed to this first plate, a second plate coaxial with the first plate, a row of balls fixed to the second plate, and gripping means urging the plates towards one another, the balls of each plate engaging between the adjacent balls and the other plate.

2,233,951
PROCESS OF PRODUCING LOW BOILING HYDROCARBONS
Morris Levine, Pampa, Tex., assignor to Danciger Oil & Refineries, Inc., Tulsa, Okla.
Application April 8, 1937, Serial No. 135,811
Renewed April 16, 1940
8 Claims. (Cl. 196—10)



5. A method of polymerizing gaseous olefinic hydrocarbons to produce low boiling liquid hydrocarbons therefrom which comprises heating the said hydrocarbons in their reaction zone in contact with nitrosyl chloride and at temperatures sufficiently high to effect polymerization of the hydrocarbons, condensing, and collecting the liquid hydrocarbons so formed.

2,233,952
WINDOW FRAME CONSTRUCTION
Solomon G. Lipsett, Montreal, Quebec, Canada, assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada
Application August 29, 1938, Serial No. 227,405
9 Claims. (Cl. 20—56.5)



1. An insulating window provided with a glazing assembly comprising two spaced transparent panes having their marginal portions cemented together by an interposed plastic composition characterized by a substantial degree of resiliency and preformed rubber spacers embedded in said composition at suitably spaced intervals to prevent collapse of the unit by external pressure, the cell space between the panes being hermetically sealed except for a single small vent leading to the outdoor atmosphere.

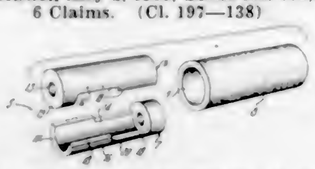
2,233,953
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 30, 1940, Serial No. 327,033
3 Claims. (Cl. 75—168)

1. A magnesium base alloy containing from 0.3 to 12 per cent of aluminum, from 0.01 to 1.0 per cent of calcium, and from 1 to 20 per cent of thallium, the balance being magnesium.

2,233,954
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 30, 1940, Serial No. 327,034
3 Claims. (Cl. 75—168)

1. A magnesium base alloy containing from 0.3 to 8 per cent of zinc, from 1 to 20 per cent of thallium, and from 0.01 to 1 per cent of calcium, the balance being magnesium.

2,233,955
TYPEWRITER FEED ROLL AND THE LIKE
Richard O. Miller, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application May 2, 1939, Serial No. 271,259
6 Claims. (Cl. 197—138)



1. In a feed roll for typewriters, a roll core comprising a pair of complemental sections meeting each other at junctural areas, each of said sections including a cylindrical end portion and an integral, substantially semi-cylindrical portion, the junctural areas of said semi-cylindrical portions having correspondingly formed interlocking members.

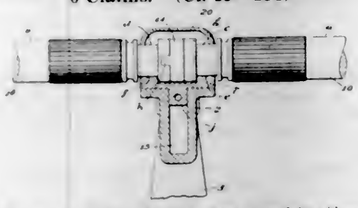
2,233,956
PROCESS FOR THE MANUFACTURE OF PHOSPHORIC ACID
George F. Moore, Tampa, Fla., assignor to U. S. Phosphoric Products Corporation, New York, N. Y., a corporation of Delaware
Application December 1, 1938, Serial No. 243,309
6 Claims. (Cl. 23—165)



1. In the process of manufacturing phosphoric acid from easily soluble phosphatic material, including washer screenings and the like, by reacting said easily soluble phosphatic material with dilute sulfuric acid, the improvement which comprises reacting a suspension of comminuted easily soluble phosphatic material in weak phosphoric acid with less than the metathetical amount of dilute sulfuric acid to form phosphoric acid but sufficient to form calcium sulphate and mono-calcium phosphate, said less than metathetical amount of dilute H_2SO_4 retarding the reaction and producing crystals of calcium sulphate having a substantially uniform rate of settling, and thereafter adding in several separate stages further amounts of sulfuric acid sufficient in all to convert said mono-calcium phosphate to phosphoric acid and to form additional calcium sulphate, and maintaining in the final stage said calcium sulphate in contact with sulphuric acid for a period of time sufficient to form crystals of

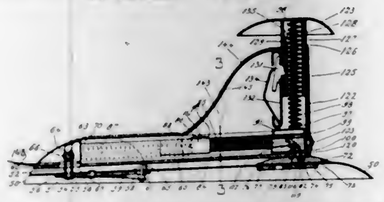
gypsum having the 70 to 80% test, whereby clear overflows and easily pumped sludges are produced and overloading of rakes in decanters is avoided.

2,233,957
SPINNING AND SIMILAR MACHINE
Ralph E. Northway, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application October 12, 1939, Serial No. 299,121
6 Claims. (Cl. 19—134)



1. In a spinning frame, the combination of a lower drawing roll comprising a series of sections positioned end to end, roll stands spaced along said roll and supporting it at the ends of said sections, joints flexibly connecting said sections at said stands and adapted to transmit torque from one section to the next while accommodating misalignment of adjoining sections, an oil reservoir in each stand, and means including porous metal bushings for conducting oil by capillarity from said reservoir to parts of said joints and to the journal members of said sections.

2,233,958
COMBINATION STAPLING MACHINE AND TACKER
Lou Obstfeld, Brooklyn, N. Y., and John Fancher, Chatham, N. J., assignors to Lou Obstfeld, Brooklyn, N. Y., and Abraham I. Obstfeld, New York, N. Y.
Application February 14, 1938, Serial No. 190,400
26 Claims. (Cl. 1—3)

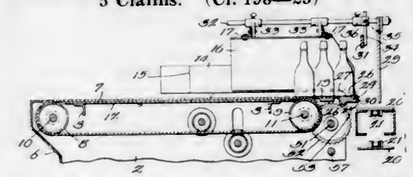


1. In a machine of the character described, an open end magazine for receiving a supply of staples, means for advancing the staples toward the front end, a door at the front end of said magazine, said door pivoted on one side of said magazine and latched to an immovable projection on the other side of said magazine, a pivoted finger releasing latch for opening said door, said latch being pivoted adjacent said immovable projection.

2,233,959
METHOD FOR THE PURIFICATION OF SOLVENT MIXTURES
Louis M. Plansoen, Upper Montclair, N. J.
No Drawing. Application May 5, 1938, Serial No. 206,253
5 Claims. (Cl. 202—57)

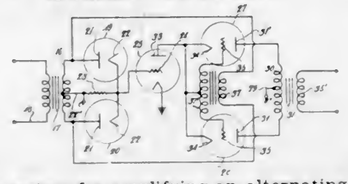
1. A method for the purification of solvent mixtures containing impurities as dust, fibre particles and coloring matter, as recovered in the manufacture of coated materials in which the material is coated with a cellulose ester dissolved in a solvent mixture of grain alcohol, a low-boiling petroleum hydrocarbon and methyl ethyl ketone, which comprises adding a finely divided dry alkali-metal hydroxide to the mixture, agitating the mass to obtain intimate contact of the said hydroxide with the body of the mixture, thus causing the said hydroxide to take up impurities and entangle the suspended particles together with coloring matter, heating the said mixture, allowing the mixture to stand to separate into layers in which the hydroxide and impurities form the lower layer, separating the solvent layer from the said lower layer and distilling the said solvent layer to complete the purification thereof.

2,233,960
CONTAINER FEEDING DEVICE
Arthur I. Risser, Chicago, Ill., assignor to U. S. Bottlers Machinery Co., Chicago, Ill., a corporation of Illinois
Application December 4, 1939, Serial No. 307,490
5 Claims. (Cl. 198—25)



1. In combination, a traveling conveyor to feed upright containers in longitudinal and transverse rows, a conveyor traveling at right angles to the feeding conveyor adapted to convey upright containers in a single row, and means interposed between the conveyors to receive the transverse rows of containers from the feeding conveyor and transport same onto the second conveyor, wherein said means includes a horizontally disposed intermittently rotated roll-like transporting member arranged and having means thereon for receiving a transverse row of containers from the feeding conveyor between movements thereof and then discharge the containers over the side of the member onto the second conveyor during movement of the member, and means cooperating with said side of the member to form therewith a guideway for guiding the containers onto the conveyor in an upright position.

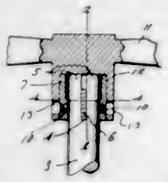
2,233,961
AMPLIFYING SYSTEM AND PROCESS
Ronald James Rockwell, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application July 18, 1939, Serial No. 285,180
15 Claims. (Cl. 179—171)



1. A system for amplifying an alternating current wave, which comprises, means for transferring alternate half cycles of said wave to the other side of the axis of the wave so that all of

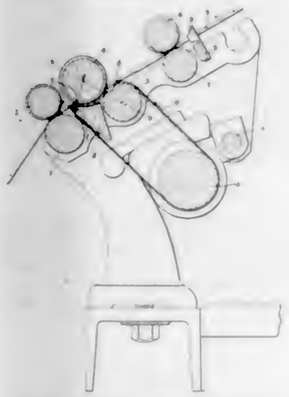
the half cycles are positioned on the same side of said axis, means for amplifying the resulting wave, and means for restoring the amplified wave to a form similar to the original wave.

2,233,962
FAUCET HANDLE
Alexander H. Rover, West New York, N. J.
Application June 17, 1940, Serial No. 341,063
2 Claims. (Cl. 287—53)



1. A faucet comprising a rotatable valve stem having a slot in one end portion providing spaced bifurcations, a key mounted in the slot and projecting beyond the periphery of the stem, an expansible bushing mounted on said one end portion of the stem and having slots therein for the reception of the projecting portions of the key, a handle including a socketed hub mounted on the bushing, and set screws threadedly mounted in the bushing for clamping the bifurcations on the key and for expanding said bushing in the hub.

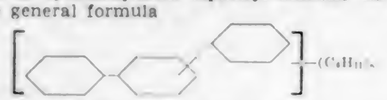
2,233,963
DRAWING MECHANISM FOR TEXTILE FIBERS
Benjamin C. Shaw, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application June 13, 1938, Serial No. 213,368
12 Claims. (Cl. 19—131)



1. In a mechanism for drafting cotton sliver and the like, the combination of two sets of devices for gripping and feeding a sliver, said sets being arranged one in advance of the other to act successively on the sliver, the rear set of said devices comprising a belt and a top roll bearing on said belt, means for feeding said sliver into the bite of said top roll and said belt, means for supporting, driving, and guiding said belt comprising a guide adjacent to the front set of said devices and a lower driven roll behind it and over which the belt runs, said guide and said driven roll holding said belt stretched between them, said top roll bearing on the portion of said belt so stretched for an angular distance of at least 30°, a weighting mechanism acting on said top roll to force it against said belt and to press it firmly against said driven roll, and means for so guiding said upper rear roll that it exerts its maximum pressure on said belt approximately in the plane connecting the axes of said upper and lower rear rolls.

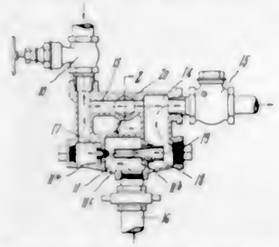
2,233,964
CYCLOHEXYLATED DIPHENYL-BENZENES
Frank B. Smith and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 22, 1938, Serial No. 236,558
3 Claims. (Cl. 260—668)

1. A cyclohexylated diphenyl-benzene having the general formula



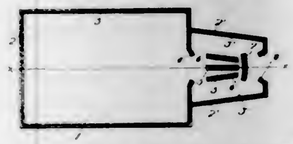
wherein *n* represents an integer.

2,233,965
METHOD OF DELIVERING AND DILUTING AQUEOUS DISPERSIONS OF WAX, ROSIN, AND THE LIKE
Florian Strovink, Medford, Mass., assignor to Bennett Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application May 14, 1937, Serial No. 142,688
3 Claims. (Cl. 137—165)



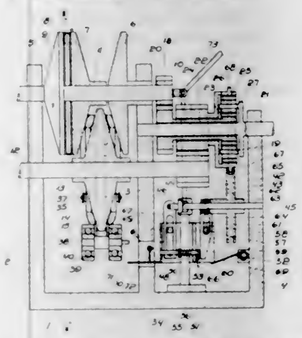
1. A method of withdrawing from a source of supply an aqueous dispersion of wax, rosin, or the like of a solids content of at least about 30% and of diluting the dispersion substantially uniformly with water as it is being passed to the desired destination, which comprises progressively withdrawing from said source of supply to the desired destination said dispersion in the form of a progressively moving steam; progressively commingling with said stream of dispersion a primary stream of diluting water in amount and under sufficient turbulence to impart to said dispersion a substantially uniform, readily fluent consistency at which secondary diluting water is readily and uniformly mixable therewith; and progressively adding to the resulting stream of diluted dispersion before it reaches said destination a secondary stream of diluting water in amount to impart to said dispersion a solids content not greater than about 2%.

2,233,966
SOUND ARRESTER AT THE OPENING OF SOUND-ARRESTING ROOM
Masaichi Tominaga, Kamata-ku, Tokyo, Japan
Application June 14, 1940, Serial No. 340,607
In Japan November 24, 1939
3 Claims. (Cl. 181—30)



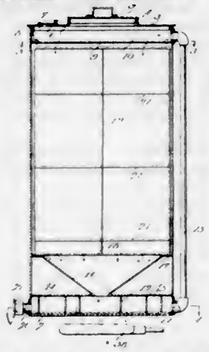
1. A sound-arresting structure for walled enclosures having an opening, comprising, a vertically and horizontally tapering sound absorbing housing having its inner end wall formed by a wall of the enclosure having said opening and having its outer end wall also provided with an opening alined with said first mentioned opening, inwardly turned wall-ends at each of the said openings, vertically disposed sound absorbing walls each having ridged surfaces on both sides erected in fan-shaped formation longitudinally of the housing between the openings, and an inwardly curved vertically disposed sound absorbing baffle wall located transversely of the housing between the said vertical walls and the opening in the outer wall of the housing.

2,233,967
CONTINUOUSLY VARIABLE CHANGE SPEED GEAR
Otto Gottfried Wellton, Rasunda, Sweden
Application August 9, 1939, Serial No. 289,310
In Sweden August 10, 1938
15 Claims. (Cl. 74—284)



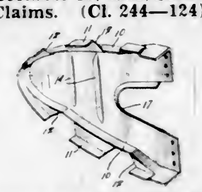
1. In a continuously variable change speed gear of the character described, a first shaft, two discs mounted on said shaft and having convex conical sides facing each other, a second shaft supporting a third disc extending into the space between the conical side faces of the first mentioned discs, said third disc being provided with convex conical side faces at both sides and of substantially the same conicity as that of the two first mentioned discs, an annular member positioned at each side of the said third disc and between the same and the other two discs, means for producing a contact pressure between the discs and the annular members positioned therebetween, and means for radial displacement of the said annular members in relation to the discs, the change speed gear thus formed by the discs and the annular members being, by the intermediary of a planetary or differential gear, return coupled in such a manner that a portion of the secondary torque is added to the primary torque.

2,233,968
WASHING, RINSING, AND DRYING APPARATUS
Joseph White, Philadelphia, Pa., assignor to Mary K. Cassidy, Philadelphia, Pa.
Application May 11, 1939, Serial No. 273,081
1 Claim. (Cl. 68—193)



In a washing apparatus, a container having an open upper end, a removable flanged closure for said end, hanger brackets secured to and depending from the flange of the closure, flat perforated means secured to the brackets for disposal within the container in spaced relation to the closure to provide an upper chamber, a base plate mounted in the bottom of the container, a spirally arranged strip secured to the base plate, a removable basin element including a disk plate resting upon the spirally arranged strip to provide a lower chamber, said disk plate having a central opening therein for the passage of liquid from the container within the lower chamber to be heated, a funnel shaped member formed on said disk plate and rising from about said opening in outwardly flared formation, an outwardly directed marginal flange formed on the upper end of the funnel shaped member, a perforated plate resting upon said marginal flange, by-pass means between said chambers for the passage of the heated liquid from the lower chamber to the upper chamber, and said spirally arranged strip being disposed for directing the liquid in a horizontal circuitous path from said central opening to the by-pass means.

2,233,969
PRESSED WING RIB
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 248,632
3 Claims. (Cl. 244—124)



3. In an airplane wing provided with an outer skin and longitudinally extending stringers, a

wing rib which is provided with Z-shaped double flanged edges, said wing rib and double flanges being pressed from a single sheet of material and the outer portion of said double flange being provided with notches, means located in the notches to attach the longitudinally extending stringers to the wing rib, and means on the castellated portion of the outer flange to attach the outer skin of the said wing.

2,233,970

QUINOLINE COMPOUND AND PROCESS OF MAKING THE SAME

Hans Andersag, Stefan Breitner, and Heinrich Jung, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 22, 1938, Serial No. 231,166. In Germany October 7, 1937

21 Claims. (Cl. 260—288)

1. Quinoline compounds containing as substituents at least in the 4-position an amino group which is substituted by a basic radical containing an aliphatically bound amino group, and in the 7-position a substituent selected from the group consisting of halogen atoms and the methyl group, but containing no substituent in the 2-position, which quinoline compounds are in the form of their salts with mineral and lower organic acids soluble in water, but in general insoluble in water in the form of their salts with aromatic hydroxycarboxylic acids.

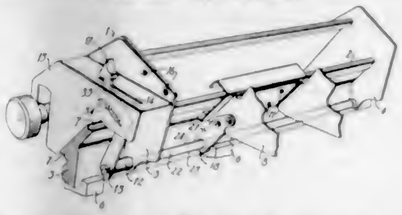
2,233,971

PAPER CARRIAGE FOR ACCOUNTING MACHINES

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 26, 1940, Serial No. 342,549

3 Claims. (Cl. 197—1)



1. In a machine of the class described, having a movable carriage, mechanism for locking the carriage in adjusted position including an element stationary on the machine frame and having an aperture, a shaft mounted on the carriage and passing through said aperture, said shaft being rotatable to two positions, means for normally urging the shaft into one of its positions, said aperture being of such configuration that when the shaft is in the position to which it is normally urged it wedges between the confines of the aperture, and when the shaft is moved to its other position sufficient clearance is provided between the shaft and the aperture to permit movement of the carriage.

2,233,972

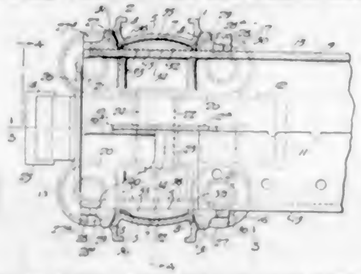
RAILWAY TRUCK

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application October 8, 1938, Serial No. 234,037

9 Claims. (Cl. 105—197.1)

7. In a truck bolster end having vertically spaced top and bottom walls joined by spaced vertical plane side walls, the combination of a base member comprising a bed plate removably secured to said bottom wall, upstanding arms positioned adjacent each side of said bed plate and being welded to said side walls to form side



frame engaging lugs, said bed plate having recesses extending inwardly of the vertical planes of said side walls, a shoe secured to each side wall intermediate adjacent arms, and an extension on each shoe projecting inwardly of the bolster within the corresponding recess.

2,233,973

SLOW SETTING CEMENT

Thomas H. Dunn, Tulsa, Okla., assignor to Stanolind Oil & Gas Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Application June 22, 1939, Serial No. 280,585

12 Claims. (Cl. 106—24)

1. A method of retarding the setting time of cement comprising adding an alkali metal hexametaphosphate thereto.

2,233,974

SLOW SETTING CEMENT

Thomas H. Dunn, Tulsa, Okla., assignor to Stanolind Oil & Gas Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Application June 22, 1939, Serial No. 280,586

9 Claims. (Cl. 106—24)

9. A cement slurry of the Portland cement type comprising a small amount of an alkali metal triphosphate.

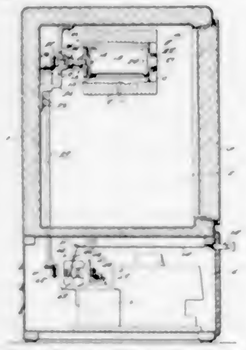
2,233,975

ELECTRIC REFRIGERATOR

Carl E. Epperson, Knoxville, Tenn.

Application December 29, 1939, Serial No. 311,688

2 Claims. (Cl. 62—114)



1. The combination with an ice-tray receiving

chamber of a refrigerator having an open front end and longitudinal guides along the side walls thereof, of a frame slidably mounted on said guides for movement into and out of said chamber and having an open top, bottom and front ends, a rotatable chuck in the rear end of said frame including a driven spindle extending outwardly of said rear end for coupling to a drive and a dished head on said spindle provided with a diametrical key therein, a cylindrical container in said frame having open and closed front and rear ends, respectively, the latter fitting in said head and having a diametrical keyway therein for receiving said key, a closure cap for the open end of the container having an axial trunnion, and a keeper bar on the front end of the frame to be swung into and from crosswise position relative to said front end of the frame and having a bearing therein for accommodating the trunnion when swung into crosswise position.

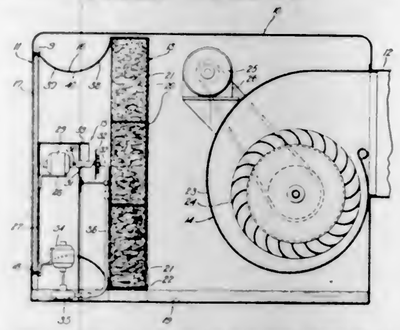
2,233,976

AIR TREATING APPARATUS

Bryant Essick, Los Angeles, Calif.

Application April 15, 1940, Serial No. 329,667

8 Claims. (Cl. 261—80)



1. In a device of the character described, a body having an air inlet, an air pervious pack in the body spaced inwardly from the inlet, a liquid sprayer at the face of the pack, and means defining a Venturi passage between the inlet and pack with the transverse plane of greatest passage restriction spaced between the sprayer and the inlet.

4. In a device of the character described, a body having an air inlet, an air pervious pack in the body spaced inwardly from the inlet, a wall in the body defining an air passage which has an outer part receiving air from the inlet and gradually decreasing in cross-section as it advances in the body and an inner part which is continuous with the outer part and directs air onto the pack and gradually increases in cross section as it approaches the pack, and a water spraying means spaced forward of the pack and within the inner part of the air passage.

2,233,977

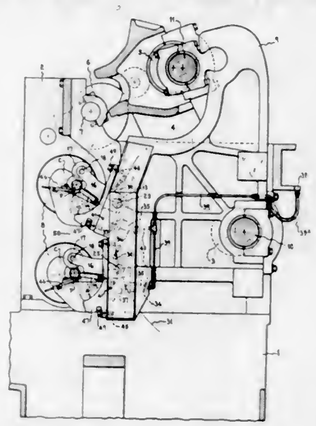
TOOL FEEDING MECHANISM FOR LATHES

William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application July 24, 1939, Serial No. 286,150

21 Claims. (Cl. 82—9)

1. In a tool feeding mechanism for lathe, a feeding member, a tool holder pivotally mounted on said feeding member and floatingly supported on a work piece to be machined in said lathe, a tool in said tool holder, said tool holder being arranged to effect tangential floating movement of the cutting edge of said tool relative to the work surface being turned on said work piece, and



means for actuating said feeding member so as to move the axis of said pivotal mounting of the tool holder in a direction substantially parallel with the direction of tangential floating movement of said tool to effect a cutting action of said tool on said work piece.

2,233,978

MOCCASIN

Merritt G. Gustin, Berlin, Wis., assignor to The W. C. Russell Moccasin Co., Berlin, Wis.

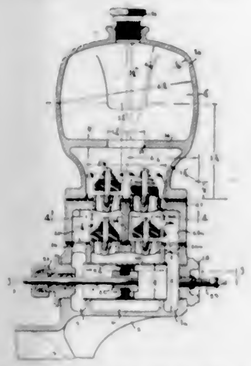
Application August 5, 1940, Serial No. 351,504

4 Claims. (Cl. 36—11)



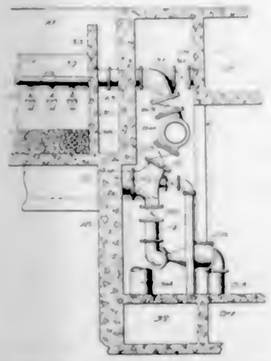
1. A moccasin having a seam in which the plug is folded around the edge of the vamp and is held thereto by stitching passing through opposite sides of the fold of the plug and through the edge of the vamp therebetween; said plug having longitudinal notches at opposite side edges thereof and into which notches the quarters of the moccasin extend, and the stitches of said seam passing through the plug at opposite sides of the respective notches and through the edges of the vamp and quarters where said quarters extend into said notches.

2,233,979
PUMP
Anthony G. Horvath, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 8, 1940, Serial No. 317,909
2 Claims. (Cl. 103—41)



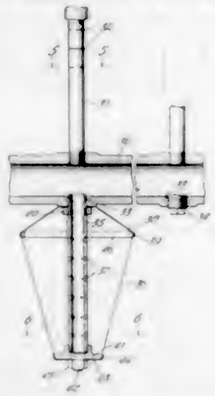
1. In a water pump having an air chamber and a pumping chamber adapted to supply fluid thereto, constantly operative means for maintaining the pressure at the discharge of the pump substantially constant regardless of the rate of discharge, said means including a by-pass opening between the air and pumping chambers, said opening being of such size as to prevent a substantial change in pressure in the air chamber as the rate of discharge is substantially changed, said opening having an area of approximately .0123 square inch when the air chamber has a volume of approximately 60 cubic inches and the pressure chamber has a volume of approximately 13 cubic inches.

2,233,980
METHOD OF AND APPARATUS FOR FILTRATION
Ira H. Jewell, Evanston, Ill.
Application January 21, 1937, Serial No. 121,676
10 Claims. (Cl. 210—130)



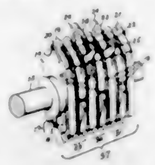
1. The method of filtration for use in large filters which consists in applying a head of water to the entire surface of a bed of loose filtering material confined only at its sides and bottom and simultaneously introducing water into the bed beneath the surface thereof through fine mesh screens of considerable area in proportion to the surface of the bed forming hollows in which water can spread before passing through the screens into the bed, and carrying off the filtered water from beneath the material by which the bed is supported.

2,233,981
FILTER
Ira H. Jewell, Evanston, Ill.
Application May 3, 1940, Serial No. 333,169
8 Claims. (Cl. 210—130)



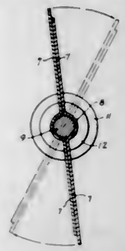
1. In a filter unit, the combination with a filter chamber provided with inlet means, and effluent means throughout the bottom thereof, of a bed of filtering material therein, piping extending throughout said chamber for carrying wash water thereto, and pipes closed at their free ends extending vertically from said piping throughout said bed at frequent intervals, said pipes having openings in the sides thereof located above the level of the bed when the water is being filtered therethrough, and serving when the bed is being washed by water rising therethrough from the effluent means, to spray additional wash water horizontally upon the layer of the filtering material expanded by water rising from said effluent means.

2,233,982
DYNAMOELECTRIC MACHINE
Gordon Kelley, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application July 7, 1938, Serial No. 217,897
16 Claims. (Cl. 171—252)



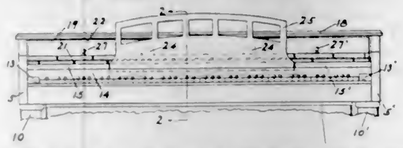
1. An electric machine winding including a plurality of coils, said coils being arranged in phase groups and formed of a continuous substantially uniform conductor throughout each phase group.

2,233,983
HIGH-SPEED INLET VANE
Murray S. Kice, Jr., Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application July 22, 1938, Serial No. 220,634
9 Claims. (Cl. 230—114)



1. In combination, a fan and fan casing having an inlet passageway, a plurality of pivotally mounted vanes mounted in said passageway comprising opposed face-engaging plates and opposed arcuate portions to form sleeves, and rods adapted to support said vanes within said sleeves, said opposing faces of the vanes being of different width on each vane so as to overlap with and interengage with the next adjacent vane.

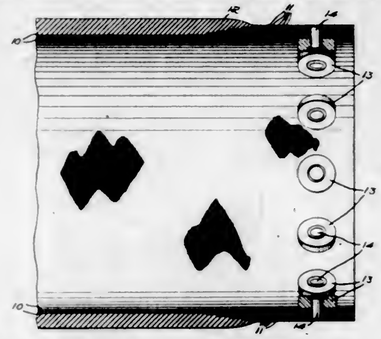
2,233,984
FALL-BOARD AND MUSIC DESK COMBINATION
Armand F. Knoblaugh, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application April 4, 1940, Serial No. 327,843
6 Claims. (Cl. 84—178)



1. The combination in a musical instrument of a keyboard having a front playable portion, a keyboard cover member disposed over said portion and rearwardly pivoted to said instrument so as to be swingable to a rear position exposing said portion for playing, a music desk member of sufficient size for use as a back support for music sheets, underlying said cover member and pivoted to said instrument so as to be swingable to a substantially upright position for said use as said cover member is swung to said rear position, and linkage means connecting said cover member and said music desk member whereby said music desk member is swung to said upright position as said cover member is swung to said rear position.

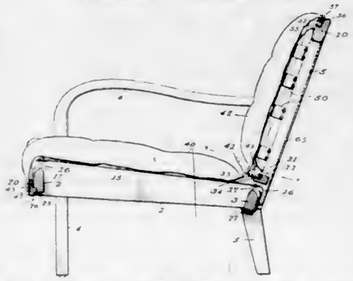
2,233,985
CARD APRON
Thomas M. Knowland, Belmont, and Arthur G. Russell, Longmeadow, Mass., assignors to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application May 1, 1940, Serial No. 332,708
8 Claims. (Cl. 19—153)

1. A rubber card apron comprising a textile backing having a body portion of oil-resistant rubber composition united thereto and vulcanized thereon and bound at both margins by solid bands of textile material, said margins of the apron being thinner than the portion of the apron



located therebetween but thicker than the textile backing between said margins.

2,233,986
CHAIR
Francis B. Leech, Glen, Md., assignor to Mueller Furniture Company, Grand Rapids, Mich.
Application June 28, 1938, Serial No. 216,401
2 Claims. (Cl. 155—180)

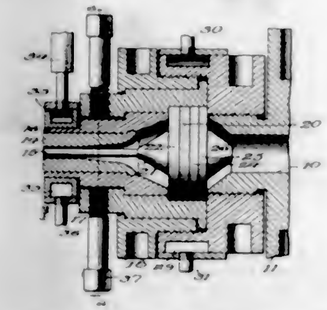


2. In a chair or the like, means securing an upholstery cushion to the frame of a spring structure in which flat spring strips span opposite sides of said frame and have their ends secured to the rails of said frame by cover cleats overlying the ends of said spring strips and secured to said rails, said securing means comprising a strip of fabric material having an edge lying between said cleat and said frame and secured therein and having a portion of a separable fastener thereon secured to the bottom rail of the back frame and a unitary upholstery pad comprising seat and back cushions joined by a transverse web portion adapted to be positioned over the seat and back springs, an unpadded panel secured to the top edge of the back cushion, and adapted to overlie the rear surface of said back frame, a portion of a separable fastener secured to the underside of said web portion and also to the end of said panel, said fasteners cooperating with one another to secure the upholstery at the several points to said chair.

2,233,987
MACHINE AND METHOD FOR MAKING STRIPED PLASTIC BODIES
Camillo Orsini, Highland Park, N. J., assignor to Nixon Nitration Works, Nixon, N. J., a corporation of New Jersey
Application March 17, 1938, Serial No. 196,536
7 Claims. (Cl. 18—12)

1. The method of forming continuous lengths

of plastic material having colored stripes appearing on the surface thereof which consists in incorporating a solvent in said material, forcing an increment of the material through a duct having its wall formed of a material soluble in said solvent and containing the desired coloring matter, dissolving the soluble material of the duct wall with the solvent in the plastic material to free the coloring matter and deposit the same on the plastic material, uniting a plurality of such colored increments, and extruding the united mass in a continuous length.



6. A nozzle for extruding striped bodies from a mass of cellulose plastic material containing a solvent, said nozzle having a passage therein through which said material is forced, means for subdividing the stream of material moving therethrough comprising a disc formed of coloring matter and a material soluble in said solvent, said disc having a plurality of openings therein through which the subdivided material passes, and means for reuniting the subdivided material after it passes through said openings and prior to its discharge from the nozzle.

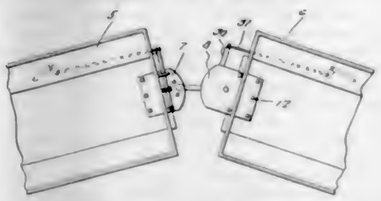
2,233,988

SAFETY COUPLING

John Piper, Uniontown, Pa., assignor of one-fourth to Abe Cohen and one-fourth to Max Cohen, Uniontown, Pa.

Application July 3, 1940, Serial No. 343,851

5 Claims. (Cl. 213—20)



1. A vehicle coupling comprising a female coupling member and a male coupling member, said male coupling member comprising a casing secured to the vehicle, a pivoted member in the casing, a stem having one end reciprocally mounted in the member and having its opposite end projecting outwardly of the casing, spring means yieldably maintaining the stem in a longitudinally extended position, stop means limiting longitudinal extension of said stem and manually operated means attached to the pivoted member for swinging the outer end of the stem horizontally.

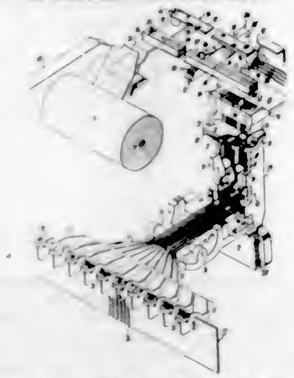
2,233,989

TYPEWRITING MACHINE

Walter T. Sagner, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application April 8, 1936, Serial No. 73,211

10 Claims. (Cl. 197—177)



1. In a typewriter, an adding or a bookkeeping machine, or the like, having a reciprocatorily mounted carriage for supporting a work-sheet, a tabulator-mechanism including in combination, a set of fixed stops on the carriage, a set of selectively operable denomination-keys, a set of denominational stops controlled by said keys for releasing the carriage and for engaging said set of fixed stops, whereby the carriage may be stopped at any one of a set of predetermined column-denominational positions, a second set of fixed stops on the carriage, said second set of fixed stops being offset from the first set of fixed stops with reference to a line of movement of the carriage, a second set of selectively operable denomination-keys, and a second set of denominational stops controlled by said second set of denomination-keys for releasing the carriage and engaging, one at a time, said second set of fixed stops, whereby the carriage may move past the first set of predetermined column-denominational positions and the carriage may be stopped at one of the second set of column-denominational positions, the sets of denominational stops being arranged in sequence in the direction of carriage travel, the set of keys controlling the second set of denominational counter-stops being separately positioned from and of a color different from that of the other set of keys, one set of fixed stops as for determining debits-columns at the left of the work-sheet, and another set of fixed stops as for determining credits-columns at the right of the work-sheet.

2,233,990

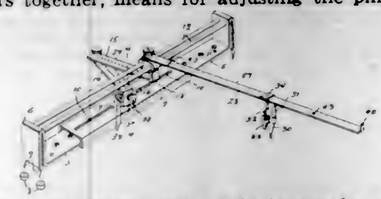
COMPASS

William W. Stanfield, Largo, Fla.

Application May 7, 1940, Serial No. 333,819

2 Claims. (Cl. 33—30)

1. In a draftsman's compass, an elongated frame, a rod extending parallel to the frame and supported in an upper position thereon, a block slidably supported by the rod, a pin passing vertically through the block and supported for rotary movement therein, a pair of ratio bars each having a hooked end, the hook of one bar extending downwardly, a pivot pin passing through the hook of this bar into the frame, the hook of the other bar extending upwardly and fastened to the lower end of the pin in the block, a pivot pin for pivoting the outer portions of the two bars together, means for adjusting the pin last



mentioned longitudinally of the bars and a marker bar fastened to the upper end of the pin carried by the block forming an extension of the ratio bar which is connected with the block.

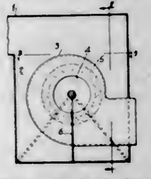
2,233,991

VORTEX ELIMINATOR IN AIR HANDLING APPARATUS

Thomas A. Walters, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware

Application May 27, 1937, Serial No. 145,105

5 Claims. (Cl. 230—114)



1. In combination, a box having inlet and outlet passageways, a fan casing having a rotor therein, said inlet passageway communicating with the interior of the rotor and said outlet passageway communicating with the periphery of the rotor, and a vortex eliminator plate extending entirely across the inlet passageway between the walls of said box and the walls of said fan casing and in the plane of the axis of the rotor.

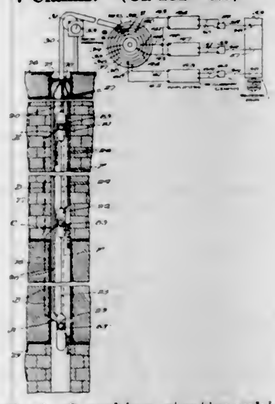
2,233,992

METHOD OF AND APPARATUS FOR SURVEYING WELLS

Ralph D. Wyckoff, Houston, Tex., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application January 3, 1938, Serial No. 183,214

7 Claims. (Cl. 181—0.5)



1. A method of making stratigraphic surveys in earth bores, comprising the steps of generating a pulse of sound at one level in the bore so as to cause propagation of a sound wave through the surrounding rock, detecting sound waves at a level different from said level, causing the detected sound waves to generate a second pulse of sound at said first level, and repeating the steps, the number of pulses emitted per unit of time being a measure of the velocity of sound through the rock between said two levels.

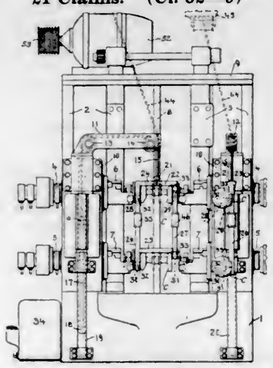
2,233,993

LOADING AND UNLOADING OF WORK IN MACHINE TOOLS

Manus F. Campbell, Detroit, Mich., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application July 13, 1938, Serial No. 219,030

21 Claims. (Cl. 82—9)



1. In a multiple spindle machine tool, a pair of rotary work spindles, chucks mounted on said spindles, loading and unloading mechanism associated with said chucks, means for stopping rotation of said spindles at a predetermined indexed position, means incorporated in said mechanism for simultaneously holding a plurality of work pieces in a predetermined indexed position relative to one another and to said chucks, and means for actuating said mechanism for simultaneously loading or unloading said work pieces into or out of said chucks.

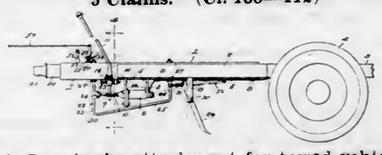
2,233,994

AUTOMATIC HYDRAULIC BRAKE ATTACHMENT

Fred Cook, San Diego, Calif.

Application October 10, 1940, Serial No. 360,656

5 Claims. (Cl. 188—112)



1. In a brake attachment for towed vehicles, a tongue and a slide telescoped for relative longitudinal movement, a compression spring exerting pressure in opposite directions on the rear portion of the tongue and the rear portion of the slide, a depending, soil-engaging frame fixed in the tongue and engageable with the slide to limit relative longitudinal movement between the tongue and the slide, a brake cylinder carried by the slide, a piston movable in the cylinder and

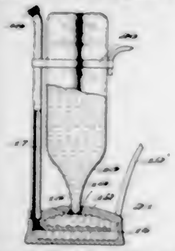
connected to the frame, a movable soil-engaging member located to the rear of the frame and carried by the slide, and means for effecting a connection between the soil-engaging member and the slide.

2,233,995
TEMPLE ROLL FOR LOOMS
Roger Wilson Cutler, Boston, Mass.
Application January 24, 1940, Serial No. 315,413
8 Claims. (Cl. 139—296)



1. A temple roll comprising a body of generally cylindrical form but provided with a ribbed peripheral surface and having a hairy elastic surface structure for engagement with the fabric to be operated upon, said body consisting essentially of a tough thermoplastic material selected from the family of compounds consisting of synthetic rubbers and polymerized vinyl halides, and hairy elements embedded therein.

2,233,996
PORTION DISPENSING BOTTLE
Duke A. Dent, Charleston, W. Va.
Application January 3, 1939, Serial No. 249,077
4 Claims. (Cl. 221—98)



1. In apparatus for dispensing substantially equal quantities of liquid at each pouring from the apparatus, a hollow base having side walls extending between top and bottom walls, an inlet opening in the top wall, means for hermetically sealing the open end of a bottle to said inlet opening, an imperforate transverse partition spaced from said bottom wall and terminating at its opposite edges short of the opposite walls of said base, and a pouring spout communicating at one edge of the partition with the space below the same, the spacing of the other edge of the partition from the wall of the base providing a continuously open passage between the measuring space below the partition and the space above the same.

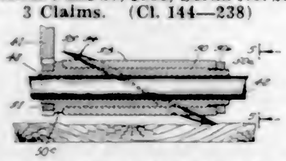
2,233,997
TUFTING DEVICE
Michael Dubick, Chicago, Ill., assignor to Superior Felt & Bedding Co., Chicago, Ill., a corporation of Delaware
Application March 31, 1939, Serial No. 265,075
5 Claims. (Cl. 24—102)

2. In combination in a tufting button of the character described, a button head including an elongated flat stem, a tubular shank section internally dimensioned for substantially snugly receiving said stem through one end, a tape strip having an end permanently secured within the opposite end of said shank section and serving positively to limit the extent of relative assembly movement of said stem and said shank section, said shank section having a resilient tongue extending inwardly from one wall thereof and generally toward but with its end spaced from the secured end of the tape, said stem having an



aperture therein located to receive said tongue with a snapping engagement when the stem and the shank section are brought into substantially fully assembled relationship to lock the stem and the shank section permanently against separation.

2,233,998
ROTATING SAW PLANE
Louis M. Evjen, Yonkers, N. Y.
Application June 27, 1938, Serial No. 216,029
3 Claims. (Cl. 144—238)



1. A planing blade substantially elliptical in shape, having an elliptical opening therein, a longer and a shorter axis, the edges of said blade at both ends of both of said axes being in a common plane, and the edges of said blade between the ends of the axes being upset in opposite directions on lines diagonal to the axes.

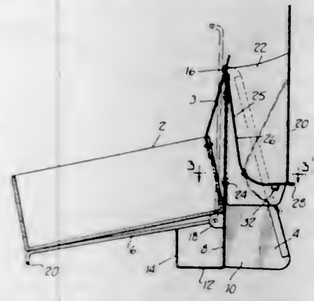
2,233,999
PROCESS FOR THE PRODUCTION OF 2,3,4,5-TETRAHYDROTHIOPHENE-1,1-DIOXIDE
Mark W. Farlow, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 30, 1940, Serial No. 332,451
3 Claims. (Cl. 260—329)

1. A process for the production of 2,3,4,5-tetrahydrothiophene-1,1-dioxide which comprises bringing 2,5-dihydrothiophene-1,1-dioxide in the liquid phase, in the presence of a base metal hydrogenation catalyst, into contact with hydrogen at a temperature below that at which said 2,5-dihydrothiophene-1,1-dioxide undergoes thermal decomposition.

2,234,000
DISPLAY STAND
Landon C. Galton, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application December 24, 1937, Serial No. 181,624
2 Claims. (Cl. 248—196)

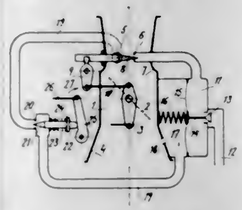
2. In a display stand of the class described,

a support formed of sheet metal having a front wall, side walls extending rearwardly from the front wall, and a bottom wall extending forwardly from the front wall, said stand adapted to be positioned on a store-counter with said bottom wall and the lower ends of said side walls resting on the counter so as to provide stable support-



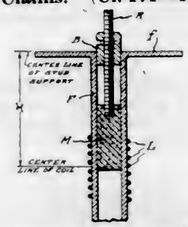
ing means for the stand, and a platform hingedly connected to the front wall of said support and its forward end resting on the counter when the stand is in use, said support having means for limiting the downward swinging movement of the platform when the stand is lifted from the counter.

2,234,001
ALTIMETRIC CONTROL DEVICE FOR CARBURETORS
Paul Xavier Auguste Gistucci, Paris, France, assignor to Societe Generale des Carburateurs Zenith, Levallois-Perret, France
Application August 22, 1935, Serial No. 37,274. Renewed October 4, 1939. In Belgium August 30, 1934.
18 Claims. (Cl. 261—39)



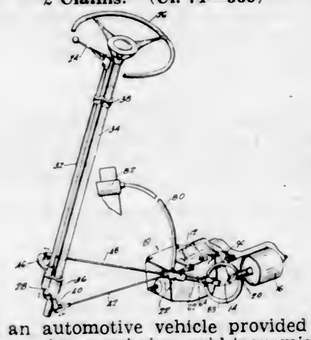
1. A charge forming device for an internal combustion engine, including an air supply passage, a throttle therein for variably restricting the passage, a fuel chamber closed by a diaphragm, a fuel duct leading from the chamber to the passage at a region of depression at least partially created by the restricting effect of said throttle, a throttle controlled variable restriction in said duct, means actuated by the diaphragm for controlling the admission of fuel to the fuel chamber, and a mixture control device comprising a suction chamber closed by a diaphragm connected to said controlling means, conduits connecting said suction chamber respectively with the air passage anterior to the throttle and with the air passage at said region of depression, a control element for varying the relative effective cross sections of said conduits, means for actuating said throttle, and separate means for actuating said control element and adapted to modify the richness of the mixture independently of throttle position.

2,234,002
TEMPERATURE COMPENSATED MAGNETIC CORE INDUCTOR
Robert L. Harvey, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1938, Serial No. 238,025
8 Claims. (Cl. 171—119)



1. A temperature compensated inductor comprising a coil form, a coil mounted on said form, a magnetic core for altering the effective inductance of said coil mounted for movement adjacent said coil and form, adjustable means for maintaining said core in a relatively fixed position with respect to said coil, said form being constituted of an insulating substance having a temperature coefficient of expansion which is relatively large with respect to the temperature coefficient of expansion of said adjustable means and having its length so proportioned with respect to its mass that when it is subject to temperature changes it will cause that degree and direction of movement between said coil and core required to produce a desired change in the effective inductance of said coil.

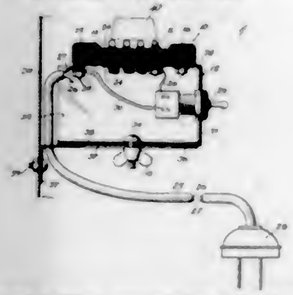
2,234,003
TRANSMISSION CONTROL
Howard E. Hruska, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 16, 1939, Serial No. 251,169
2 Claims. (Cl. 74—335)



1. In an automotive vehicle provided with a change-speed transmission, said transmission including a crank for operating selector means within the transmission and another crank for actuating that mechanism within the transmission operative to establish the transmission in gear, means for operating said cranks including, in combination, a manually operated selector mounted within easy reach of the driver of the vehicle, means interconnecting said selector with the first-mentioned crank to operate the same, and other means for operating the second-mentioned crank, said last-mentioned means including a pressure differential operated motor, a valve mechanism having two major relatively movable parts for controlling the operation of said motor,

force transmitting means interconnecting the selector, the power element of the motor, the second-mentioned crank and the parts of the valve mechanism, said force transmitting means including a rod connected to the power element of said motor, a plurality of fluid transmitting tubes within said rod and means, including a plurality of inflexible fluid transmitting tubes, interconnecting the second-mentioned crank and the valve mechanism.

2,234,004
CHARCOAL LIGHTER
William R. Lamm, San Antonio, Tex.
Application June 13, 1939, Serial No. 278,890
1 Claim. (Cl. 219—32)



A charcoal lighter comprising a heating plate formed of fire clay having a central portion of reduced thickness and end portions of greater thickness, the central portion being provided with notches extending inwardly from opposite edges, an electric heating element comprising a resistance coil wound around the central portion of reduced thickness of the plate and extending into the notches, said element being exposed on one side of the plate so that the charcoal to be ignited may be placed directly thereon, insulating pads formed of asbestos sheets disposed between the two surfaces of the heating plate and the heating element, a bracket for supporting the heating plate in substantially horizontal position, and means for connecting the heating element in an electric circuit.

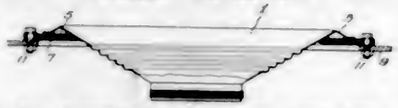
2,234,005
DIESEL ENGINE LUBRICANT
Clarence M. Loane and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 11, 1937, Serial No. 168,424
3 Claims. (Cl. 252—33)

1. A non-ring sticking Diesel engine lubricating oil consisting of a mineral lubricating oil adapted for use in Diesel engines and 0.5% to about 5% of an organic aluminum sulfonate derived from the petroleum sulfonic acid resulting from the treatment of mineral oils with concentrated sulfuric acid.

2,234,006
REFRACTORY
John Charles McMullen, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application July 5, 1938, Serial No. 217,588
7 Claims. (Cl. 106—9)

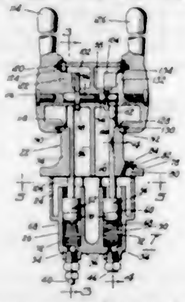
1. As a refractory material, a fused mass consisting essentially of magnesia, lime, alumina, iron oxide and phosphoric oxide.

2,234,007
ACOUSTICAL APPARATUS
Harry F. Olson, Audubon, and John Preston, Burlington, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 28, 1937, Serial No. 145,168
7 Claims. (Cl. 181—31)



1. An acoustical diaphragm comprising a frusto-conical member of relatively flexible material having a body portion and a marginal portion, said marginal portion being partly turned back on said body portion outwardly thereof, an annular member secured to said frusto-conical member adjacent to said body portion and to said turned-back marginal portion to cooperate therewith to enclose a hollow space and thereby provide a relatively stiff peripheral portion for the diaphragm, and flexible suspension means connected to said annular member, said suspension means extending radially outwardly from said marginal portion on a radius greater than that of said turned-back marginal portion.

2,234,008
PRESSURE PRODUCING DEVICE
Harold W. Price, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application March 17, 1938, Serial No. 196,344
2 Claims. (Cl. 60—54.6)

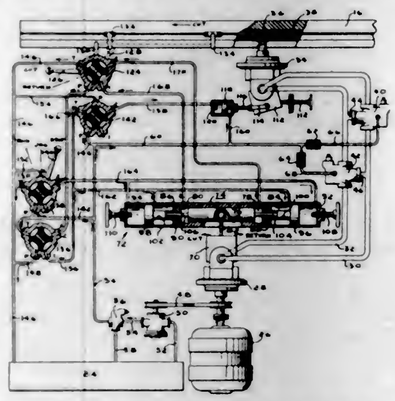


1. A fluid pressure producing device including a reservoir, four cylinders housed within and secured to said reservoir, a piston in each cylinder, a housing member secured to said reservoir above said cylinders, a web member within said housing member, a sleeve secured to said web member, a two-part shaft rotatably mounted within said sleeve, a walking beam mounted on each shaft, four thrust pins interconnecting the four ends of said walking beams with the four pistons, and means secured to each shaft for rotating the same.

2,234,009
POWER TRANSMISSION
James Robinson, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application April 3, 1939, Serial No. 265,712
6 Claims. (Cl. 103—38)

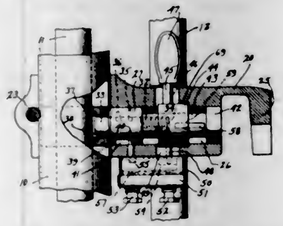
1. In a hydraulic power transmission system the combination of a variable displacement pump, a member movable to vary the pump displacement, a first piston motor for operating

said member through its full stroke, a second piston motor opposing the first piston motor and operable to limit the stroke of said member to a smaller range, a third piston motor opposing the first piston motor and operable to hold said member in neutral, a first pilot valve means movable between a forward and a reverse position



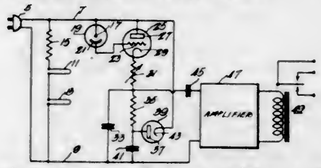
for selectively supplying fluid to the first piston motor in either direction to control the direction of delivery of fluid by the pump, and a second pilot valve means movable between three positions to control the supply of fluid to all three piston motors to respectively position said member at neutral, limited stroke or full stroke for stopping, jogging or running the fluid motor.

2,234,010
AUTOMOBILE LOCKING STRUCTURE
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application June 10, 1939, Serial No. 278,444
8 Claims. (Cl. 70—252)



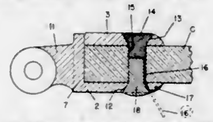
2. Automobile locking structure comprising a lock body having a clamping end, a steering column clamped by said end, a steering shaft extending through said column, a transmission control shaft adjacent to said column, a switch mounted on said lock body for an ignition circuit, a lever on the lock body for operating said switch, locking means on said lever cooperable with said transmission control shaft for locking said shaft against control movement when said lever is set to cause said switch to open the ignition circuit, a lock bolt in said lock body for engagement with the steering shaft to lock the steering shaft, and means controlled by the movement of said lock bolt to steering locking position for locking said switch lever in its transmission controlling shaft locking condition.

2,234,011
PHOTOELECTRIC RELAY
Francis H. Shepard, Jr., Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1939, Serial No. 276,085
10 Claims. (Cl. 250—41.5)



3. A photoelectric relay comprising a thermionic tube having input and output electrodes, light responsive means connected to said input electrodes for controlling the potential of said input electrode, means for applying an alternating energizing voltage to said output electrode, said alternating voltage producing a rectified output voltage the amplitude of which changes in a given direction as a function of the peak amplitude of said alternating energizing voltage, means for producing a second rectified voltage the amplitude of which changes in the opposite direction as a function of the peak amplitude of said alternating energizing voltage, means including said second rectified voltage for compensating changes in the amplitude of said output voltage whereby the output voltage of said thermionic tube is determined by the intensity of said light and is independent of changes in the amplitude of said energizing voltage.

2,234,012
OPTICAL LENS MOUNTING CLAMP
George A. Squier, Cleveland Heights, Ohio
Application January 19, 1939, Serial No. 251,763
1 Claim. (Cl. 88—47)

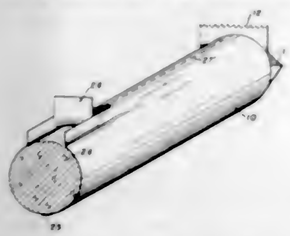


In a device of the character described, the combination of a lense having a hole therein, a mounting for the lens comprising lens surface straps engageable with the lens from opposite sides thereof and having openings in alignment with said hole, one of said straps being formed with a recess adjacent the opening therein, a fastening pin extending through said aligned openings and hole, said fastening pin having a head at one end thereof adapted to engage with the other of said straps, and a relatively thin, deformable body portion at the other end thereof adapted to be received in said recess to interlockably engage said fastening pin with said mounting, said thin body portion having at least a part thereof positioned within and partially filling the hole in said lens, and a filling metal cast into the space in said hole and in said openings unoccupied by said fastening pin for holding said fastening pin securely in place.

2,234,013
FROZEN CONFECTION, CONTAINER THEREFOR, AND METHOD OF REMOVING CONTENTS
Russell Stover, Kansas City, Mo.
Application June 10, 1938, Serial No. 212,916
6 Claims. (Cl. 229—51)

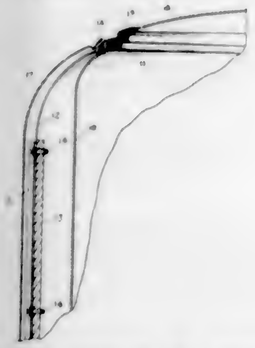
1. A package for normally liquid material frozen

to a substantially solid state comprising an elongated paper container folded to normally assume a flat collapsed position along predetermined crease lines, elongated overlapping portions on said container presenting a longitudinal double wall along the length thereof, said overlapping portions being adhesively edge joined to present



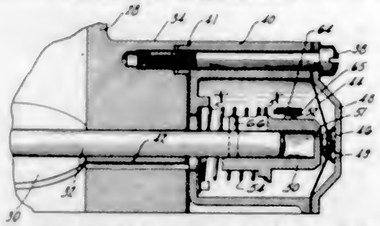
two confronting adjacent thicknesses of paper free from each other except at the longitudinal edges of adhesive attachment, said adjacent thicknesses of paper along said container being longitudinally cut through a median line thereof to present pairs of internal and external flaps to facilitate content removal by exerting a pull on the exterior confronting flaps.

2,234,014
WASHING MACHINE CABINET
Merlin S. Vincent, Newton, Iowa
Application April 19, 1937, Serial No. 137,643
1 Claim. (Cl. 220—10)



In a washing machine tub construction in combination, a sheet metal tub member having its rim portion turned inwardly and then outwardly circumferentially thereof to provide an outwardly open U-shaped channel about the tub rim, a plurality of sheet metal strips providing a skirt member extending about a substantial part of the side wall of said tub member and curved inwardly along its upper edge and disposed within said U-shaped channel, a resilient material disposed in said channel and enclosing the said edge portion of said skirt member, said skirt strips having vertically extending side edges, the adjacent side edges of adjacent strips being disposed in edge to edge relation to one another, means securing said skirt strips rigidly together along said side edges, and a vertically extending stripping member extending along and over each joint between said side edges and covering said securing means, said stripping member being fastened to said skirt by concealed fastenings.

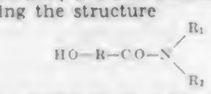
2,234,015
ENGINE STARTER CONTROL
Albert H. Winkler and Emil O. Wirth, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 14, 1939, Serial No. 267,783
9 Claims. (Cl. 200—59)



1. In a starting control device for an internal combustion engine including a carburetor throttle shaft, a switch, a rotor mounted on the shaft and slidable relative thereto, a spring urging the rotor in one direction on the shaft, a suction responsive element urging the rotor in the opposite direction on the shaft in opposition to the spring, means associated with the rotor for closing the switch upon throttle opening movement when the rotor has moved to its limit position in said one direction, means to prevent the rotor from closing the switch when the rotor has moved to its limit position in said opposite direction, locking means preventing the rotor from moving from the first mentioned limit position to the second mentioned limit position when the throttle is in an open position, and locking means preventing the rotor from moving from the second mentioned limit position to the first mentioned limit position when the throttle is in open position.

2,234,016
CELLULOSIC STRUCTURE AND PROCESS FOR PRODUCING SAME
John C. Woodhouse, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 9, 1939, Serial No. 272,638
10 Claims. (Cl. 91—68)

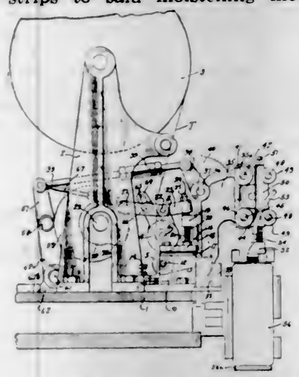
1. A flexible, durable water-sensitive material of the type precipitated from alkali metal hydroxide solutions from the group consisting of regenerated cellulose, glycol cellulose and cellulose glycolic acid, said material containing, as a softener therefor, a water-soluble hydroxy acid amide having the structure



in which R designates an alkyl radical containing not less than 2 and not more than 3 carbon atoms, and R_1 and R_2 designate a member of the group consisting of hydrogen and non-hydroxylated hydrocarbon radicals.

2,234,017
MECHANISM FOR CUTTING AND APPLYING TAPE TO FILLED BAGS
Hans A. Bauer, Chicago, Ill., assignor to B. F. Gump Co., Chicago, Ill., a corporation of Illinois
Application January 24, 1938, Serial No. 186,497
13 Claims. (Cl. 216—25)

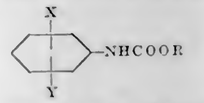
9. Apparatus for sealing containers comprising moistening means, a container runway, means for successively supplying and subjecting tape sealing strips to said moistening means, and



means including a member actuated in timed relation to said second means for picking up strips as they are moistened and applying them under pressure to a container in said runway.

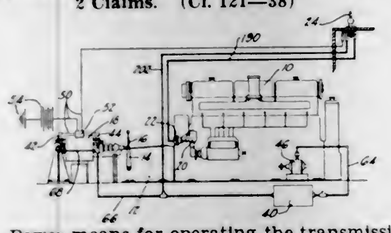
2,234,018
SULPHUR COLOR DERIVED FROM SUBSTITUTED ARYL CARBAMIC ESTERS
Newell M. Bigelow, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 3, 1940, Serial No. 343,776
15 Claims. (Cl. 260—132)

1. A sulphur dye obtained by thionating an aryl carbamic acid ester which is represented by the formula



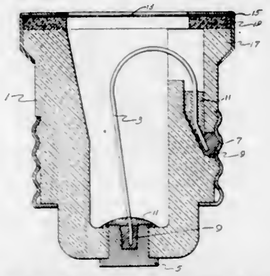
in which R is an alkyl group having 1 to 4 carbons; Y is one of a group consisting of hydrogen and alkyl having 1 to 4 carbons; and X is one of a group consisting of hydrogen, alkyl having 1 to 4 carbons, the corresponding alkoxy groups, amino, alkacylamino containing 1 to 6 carbons in the alkyl group and the group —NHCOOR.

2,234,019
THROTTLE AND TRANSMISSION OPERATING POWER MEANS FOR MARINE CRAFT
Caleb S. Bragg, Palm Beach, Fla., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application March 25, 1938, Serial No. 198,031
2 Claims. (Cl. 121—38)



1. Power means for operating the transmission of marine craft comprising a double-ended pressure differential operated motor operably connected with the transmission, a plurality of valves for controlling said motor to effect any one of an ahead, astern or neutralizing operations of said transmission, and power means for operating said valve means, said valve operating power means comprising a solenoid for operating each of said valves, a power operated switch mounted in each end of the motor for in part controlling the operation of said solenoids, a manually operated selector switch for controlling the operation of said solenoids, a neutral switch mounted on the motor and operative to make possible an operation of said solenoids to effect a neutralizing operation of the transmission, and means for actuating said switches comprising two levers, one mounted in each end of the motor and contactible by the power element of the motor, when said element reaches the end of its stroke, to rotate one or the other of the levers to break the circuits to the solenoids.

2,234,020
PROTECTOR FOR ELECTRIC CIRCUITS
Frank H. Bussmann, Richmond Heights, Mo.
Application April 25, 1938, Serial No. 204,158
3 Claims. (Cl. 200—130)

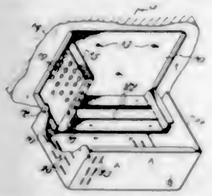


1. A plug fuse having a cup-like body member of moulded insulating material of substantially unchanging dimensions capable of withstanding the sudden and high internal pressures produced on blowing of the fuse, said body having a central contact extending through an opening in the base and another contact extending through an opening in the side thereof, both openings being sealed to prevent the exit of vapor therethrough, a closure member consisting of a thin sheet of transparent insulation material also capable, when positioned, of withstanding such pressures, a fuse link between said contacts, a sealing member consisting of a slightly compressible insulation material substantially impervious to the flow of vapor therethrough placed on the open end of the cup-like body and beneath the closure member and means consisting of a ring-like member to clamp the closure member and the sealing member to the body to provide a substantially gas-tight enclosure.

2,234,021
DEODORANT AND TOILET CONTAINER
Roy Theodore Clarence Castrique, South Melbourne, Victoria, Australia
Application May 12, 1939, Serial No. 273,247
In Australia July 27, 1938
4 Claims. (Cl. 312—31)

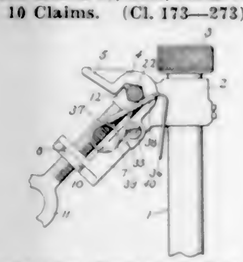
3. A container of the class described, comprising a main casing divided into two companion sections, a plurality of slots at each end of one of said companion sections, a bracket mounted upon the other of said companion sections hav-

ing an upstanding flange at each end thereof, a channel formed between said bracket and one end of said companion section, a U-shaped compartment mounted in said channel and adapted



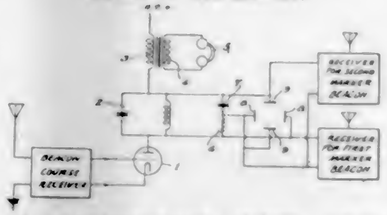
to hold a supply of deodorant, said compartment having a plurality of openings therein, said openings corresponding to the openings at one end of said companion section, and means for securing said compartment to said bracket.

2,234,022
CLAMPING MEANS
Homer Churchill, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application March 29, 1939, Serial No. 264,777
10 Claims. (Cl. 173—273)



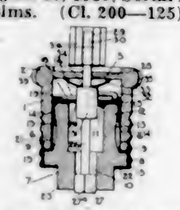
1. A wire-tapping device including a manually operable clamp for engagement with a line wire in combination with a resiliently urged wire-gripping element adapted to maintain contact with said wire and to prevent accidental removal of the device from said wire during manual manipulation of said clamp and a spring urging said element toward wire-contacting position, said clamp and said element exerting a contact pressure on said wire independently of each other.

2,234,023
VISUAL INDICATOR FOR RADIO COURSE
Christopher Sydney Cockerell, Danbury, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 18, 1938, Serial No. 219,897
In Great Britain August 7, 1937
2 Claims. (Cl. 250—11)



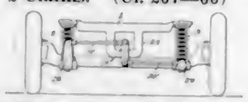
1. A navigation-aiding receiver comprising means for receiving radio beacon signals of the alternately keyed equi-signal type, means for receiving marker impulses, a cathode ray indicator including means for deflecting the ray in said indicator in mutually perpendicular directions, means for deriving components in phase quadrature from said received beacon signals, means for applying said components to said deflecting means to produce circular traces whose diameters correspond to the amplitudes of said beacon signals, and means for radially displacing said traces to indicate the reception of said marker impulses.

2,234,024
REFILL FUSE PLUG
John Cree and David Anthony Worme, Hamilton, Ontario, Canada
Application August 10, 1939, Serial No. 289,442
7 Claims. (Cl. 200—125)



1. A fuse plug comprising an externally threaded hollow body of insulating material open at one end, a hollow fuse element carrying capsule of insulating material having a peripheral outwardly directed flange extending therearound intermediately of its length, said flange adapted to seat on the lip of the open end of the body, a plurality of independent fuse elements entirely mounted on the side and one end of the exterior of the capsule, a metallic screw shell adapted to be screwed on the threaded body and make electrical contact with the corresponding end of each fuse element located on the side of the exterior of the capsule, and means in the body including operable means disposed exteriorly thereof for selectively making electrical contact with the other ends of the fuse elements on the end of the capsule.

2,234,025
VEHICLE AND CENTRALIZING DEVICE THEREFOR
Louis J. Dellert, Brooklyn, N. Y.
Application March 2, 1938, Serial No. 193,463
2 Claims. (Cl. 267—66)



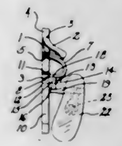
1. A centralizing device for a vehicle having sprung and unsprung portions including a pair of front and a pair of rear wheels for preventing any appreciable lateral movement between said portions without interfering with a free vertical movement therebetween, said centralizing device including a substantially vertically positioned equalizing bar positioned midway between the wheels of each pair of wheels on substantially a horizontal plane with the axis of said wheels, a depending member mounted on said sprung portion adjacent each end, means for pivotally mounting said bars on the respective depending members, a substantially horizontally and laterally extending radius rod pivotally connected to each end of each of said bars, a bracket carried by said unsprung portion on each side adjacent each end, and means for pivotally connecting the respective radius rods to the respective brackets, said brackets being so positioned that one will project above the axis of adjacent wheels and the other below.

2,234,026
STREET LAMP PULLER
James C. Smith, Watertown, N. Y., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application June 6, 1940, Serial No. 339,090
11 Claims. (Cl. 294—20)



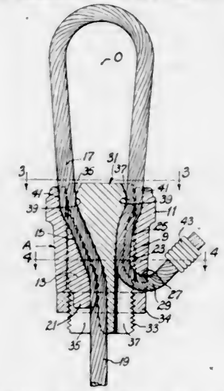
1. In a street lamp puller, the combination of a pair of insulating levers pivotally mounted on each other and traversing each other, said levers each carrying at one end a pair of semi-annular clamping members, said clamping members each being formed with a semi-annular groove, and the other ends of said levers serving as handles, whereby a gripping of the handle ends of the levers is adapted to hold the clamping members in engagement with a lamp socket having an outward projection thereon.

2,234,027
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 22, 1939, Serial No. 291,399
12 Claims. (Cl. 88—41)



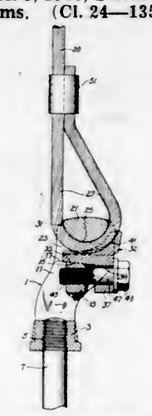
1. An ophthalmic mounting comprising a pair of lens holding members having divided portions, a connecting lug united with each of said divided portions for joining the meeting ends thereof, a bridge member united adjacent its ends with one of said connecting lugs on each of said lens holding members, a nose pad supporting arm united with each of the other connecting lugs, hollow members on each of said connecting lugs intermediate the portion of the bridge united with one of said lugs and the nose pad supporting arm united with the other of said lugs, a pin member soldered in one of said hollow members and having a portion extending into the other of said hollow members and means for securing the connecting lugs together with the parts in fitted relation with each other.

2,234,028
CLAMP
Francis Turzicky, Chicago, Ill., assignor to Illinois Malleable Iron Co., Chicago, Ill., a corporation of Illinois
Application April 5, 1940, Serial No. 327,945
14 Claims. (Cl. 24—126)



8. A guy clamp comprising an outer hollow case, an inner plug axially movable therein, inner grooved extensions in the case, one of which accommodates the leg of a guy loop on the axial center of the case, said plug having cooperating grooves to effect clamping engagement upon the guy loop in cooperation with said wedges and providing a splined connection between the case and plug, said plug having a length so that when cooperatively engaging the loop it extends from the case, threads on the plug where it extends from the case, a nut on the threads and engageable with the end of the case to forcefully draw the plug into the case to clamp the guy against both of said wedges, and a notch at the end of the case adjacent to but within the nut to permit exit therefrom of the end of the other leg of the guy loop.

2,234,029
CLAMP
Albert F. Heckendorf, Chicago, Ill., assignor to Illinois Malleable Iron Co., Chicago, Ill., a corporation of Illinois
Application April 5, 1940, Serial No. 327,964
8 Claims. (Cl. 24—135)



8. A guy clamp comprising a body having a

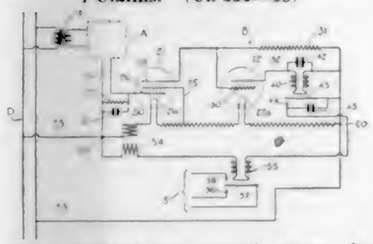
means at one end adapted to be attached to an anchor rod, said body having an eye at the other end for receiving the loop of a guy strand, said eye being offset to effect a tangent to the rod axis where a tensioned part of the strand enters the eye, the tensioned parts of the guy and the anchor rod being substantially coaxial when under tension, a cradle shaped jaw movable in a direction through the eye for wedging the guy in the eye, said jaw cradling the strand within the eye at points to one side of said tangent, a support within the eye for and below the jaw, and means for forcing the jaw into engagement with the guy.

2,234,030

ELECTRICAL CONTROL SYSTEM

William K. Walker, New York, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application August 20, 1938, Serial No. 225,889
7 Claims. (Cl. 236—68)



3. In a temperature control system for use with heat exchange apparatus of a type adapted to effect temperature changes in a given space, vacuum tube relay means connected to a source of electric power and including plate and grid circuits, means operable upon the attainment of a predetermined value in plate current to effect operation of said apparatus, and operable upon a deviation in plate current in one direction from said predetermined value to stop operation of said apparatus, thermostatic means operable upon a change in space temperature in one direction from a preselected point to change the potential on the tube grid to such a degree as to cause the attainment of said predetermined value in plate current, and electrical means operable simultaneously with the attainment of said predetermined value in plate current to change such value after a period of time in the direction to stop the operation of said apparatus, and said electrical means being operable upon the lapse of a period of time after stopping of operation of the apparatus to restore the plate current to said predetermined value.

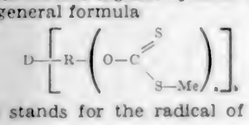
2,234,031

WATER-SOLUBLE DYESTUFFS

Heinrich Wenning and Hans Krzikalla, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application August 24, 1939, Serial No. 291,701. In Germany August 30, 1938
9 Claims. (Cl. 260—204)

5. A water-soluble organic dyestuff corresponding to the general formula



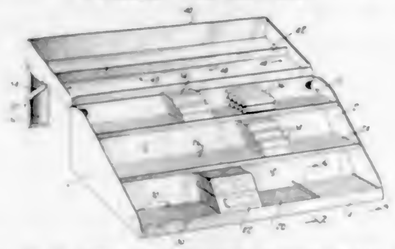
wherein D stands for the radical of an organic dyestuff selected from the group consisting of dyestuffs of the anthraquinone series, azo series, and diphenylamine series, R for a divalent aliphatic radical, Me for an alkali metal and *a* and *b* for integers up to two.

2,234,032

DISPLAY STAND

William B. West, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York

Application February 26, 1940, Serial No. 320,796
5 Claims. (Cl. 211—128)



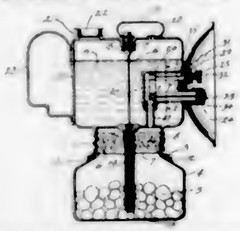
3. In a stand of the class described for displaying small packages, side walls, a shelf extending between the side walls, a wall at the rear of the shelf arranged at an obtuse angle therewith, a series of steps on said shelf spaced one behind the other, the rearmost step being at an angle of 90 degrees to said back wall and the remaining steps on the shelf being in planes parallel with said latter step, and the front and rear edges of adjacent steps being connected by walls arranged in planes parallel with said back wall.

2,234,033

CLEANING DEVICE FOR ACETYLENE GAS BURNERS

John E. Williams, Boulder, Colo.

Application March 15, 1940, Serial No. 324,114
4 Claims. (Cl. 158—120)



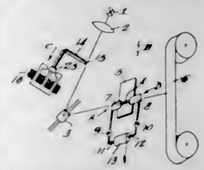
2. An acetylene gas burner, comprising in combination, a hollow member having one side provided with a pair of spaced openings, a gas orifice tip secured in one of the openings, a crosshead positioned in the chamber in the hollow member, means for guiding the crosshead, a needle secured to one end of the crosshead in axial alignment with the orifice opening, a rod secured to the crosshead, said rod extending out through the other opening, and a threaded cap secured to the outer end of the rod the cap being rotatable relative to the crosshead, the hollow member having a threaded nipple adapted to cooperate with the threads of the cap to hold the needle in inoperative position, the needle serving to clean the orifice when the crosshead is moved towards the outer end of the hollow member.

2,234,034

RECORDING OF ELECTRICAL IMPULSES

Hans Wohlrab, Berlin-Tempelhof, and Karl Schwarz, Berlin-Lankwitz, Germany, assignors to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany

Application July 11, 1939, Serial No. 283,888
In Germany July 30, 1938
15 Claims. (Cl. 179—100.3)



1. The record producing method which includes vibrating a penumbra shadow transversely of a light slit in accordance with the impulses to be recorded, varying the width of said shadow at said slit in response to change in the volume of said impulses, and varying the height of said shadow in response to change in said volume.

2,234,035

WEARING APPAREL

Arthur Wolf, New York, N. Y.

Application August 16, 1939, Serial No. 290,334
3 Claims. (Cl. 2—131)



1. In a wearing apparel, a multi-ply collar, said collar consisting of at least two outer plies and one intermediate ply, said outer plies and said intermediate ply consisting of the same material, the inner edges of a first outer ply and of the intermediate ply embracing an edge of the fabric of the apparel and being permanently secured to said fabric by a permanent seam, the inner edge of the second outer ply being detachably secured to the intermediate ply by a removable seam, the exposed edges of the three plies of the collar being permanently connected with each other by permanent seams, and said second outer ply being adapted to be overturned about said exposed edges for securing its inner edge to the first outer ply after the removal of said removable seam.

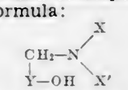
2,234,036

PROCESS OF PRODUCING FAST DYEINGS

Artur Zitscher, Kronberg in Taunus, and Wilhelm Seidenfaden and Walter Bröker, Offenbach-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application August 23, 1939, Serial No. 291,524. In Germany August 25, 1938
5 Claims. (Cl. 8—46)

1. A process of producing fast dyeings which comprises applying to the material to be dyed an acid solution of an hydroxyaryl compound capable of being coupled in ortho-position to the hydroxyl group which contains a basic group as a substituent in the position at which the coupling takes place and corresponds with the following general formula:



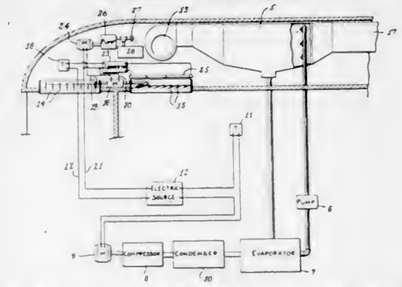
wherein Y means a member of the group consisting of radicals of the benzene, naphthalene, carbazole, diphenylene oxide and diphenylene sulfide series, X stands for a member of the group consisting of alkyl, cycloalkyl and hydroxy-alkyl, X′ for a member of the group consisting of hydrogen, alkyl, cycloalkyl and hydroxyalkyl, with the proviso that if X and X′ are alkyl groups, these radicals may be connected to form a ring system, and then developing the dyestuff on the material with a diazo-compound suitable for the production of ice colors.

2,234,037

AIR CONDITIONING SYSTEM UTILIZING REFRIGERATION

Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application November 17, 1938, Serial No. 240,995
8 Claims. (Cl. 62—6)



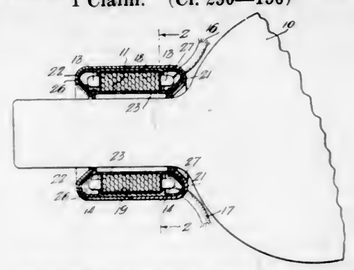
7. An air conditioner comprising a heat exchanger having a recirculated air inlet, means for varying the volume of recirculated air entering said inlet, a device for adding a pleasant odor to the air, and means for actuating said device when said first mentioned means increases the volume of recirculated air.

2,234,038

CATHODE RAY DEFLECTING YOKE

Alda V. Bedford, Collingswood, and Felix E. Cone, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application June 30, 1939. Serial No. 282,304
1 Claim. (Cl. 250—156)



A deflecting yoke comprising a magnetic core substantially cylindrical in shape and having radial slots therein extending from the inner surface of the core, a pair of oppositely disposed dis-

tributed windings located in said slots with their ends extending beyond said core, an annular shielding member attached to one end of said core and surrounding the ends of the windings which extend beyond said core end, a second annular shielding member attached to the other end of said core and surrounding the ends of the windings which extend beyond said other end of the core, and a cylindrical screen positioned inside said core, said screen comprising wires running longitudinally of said yoke and connected together electrically at one end only and further comprising insulating threads running transversely of said wires.

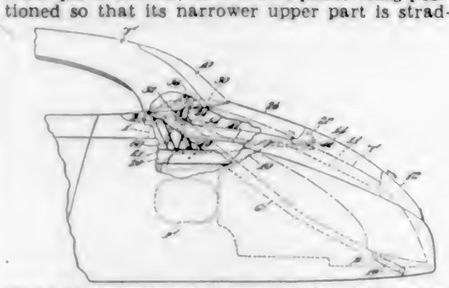
2,234,039
TAPER BORING BAR
William J. Busjaeger, Milwaukee, Wis.
Application November 17, 1939, Serial No. 304,978
9 Claims. (Cl. 77—57)



1. A taper boring device for use with machine tools of the type having a work table, a spindle supported above said table for rotation and for axial feeding movement and comprising a boring bar having coaxial ends and an intermediate portion rotatable with the ends but disposed at an angle to the common axis of the ends, a bearing on the work table on which the lower end of the boring bar is rotatably supported, a coupling socket secured to the spindle and splined to the upper end of the boring bar, a tool-holder slidably supported on the inclined portion of the boring bar and constrained to rotate therewith, a tool carried by said holder, and a link connecting the coupling socket with the tool-holder so that as the spindle and coupling socket are fed downwardly the tool-holder and its tool are correspondingly fed.

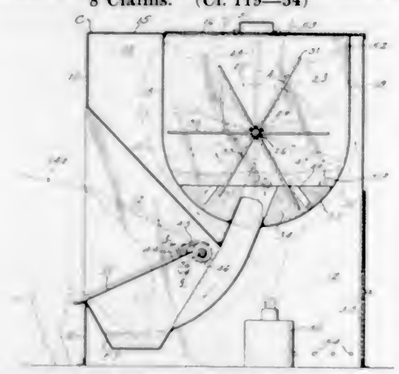
2,234,040
CONVERTIBLE BODY
Raymond L. Carr, Boston, Mass.
Application November 30, 1939, Serial No. 306,795
17 Claims. (Cl. 296—107)

1. In a vehicle body, the combination comprising a passenger compartment, a deck behind said compartment, a top shell movable from a raised position over said compartment to a lowered position within said deck, said shell having a rear opening, a panel for closing said opening when the shell is raised, and guiding and supporting structure for said shell, said panel being rigid and separable from the shell for movement to a lowered position, the upper parts of the opening and of the panel being narrower than the lower parts thereof, the lowered panel being positioned so that its narrower upper part is strad-



dled by the portion of the shell defining the wider part of the opening as the shell moves between raised and lowered position and so that the wider part of the panel is below the path of the shell.

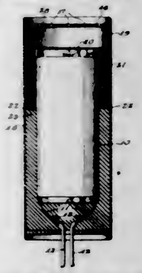
2,234,041
APPARATUS AND METHOD FOR FEEDING CULTURED FEED TO ANIMALS
Fred K. Chandler, Des Moines, Iowa
Application August 1, 1938, Serial No. 222,454
8 Claims. (Cl. 119—54)



1. In an apparatus of the character described, a storage trough for holding a mixture of feed, culturing agent and water therein, a movable mixer element for said mixture, a feeding trough at a lower elevation than said storage trough, a cover therefor, an operative connection between said cover and said mixer element for moving said mixer element when said cover is raised by an animal, and a dispensing means also operated by said cover when raised, said dispensing means, upon operation, lifting a quantity of said mixture from said storage trough and transferring it to said feeding trough.

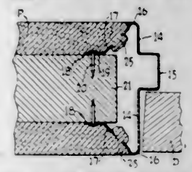
8. A method of culturing feed and supplying it to animals comprising the supplying of material comprising uncultured feed, a culturing agent therefor and water to one station, agitating the material at that station to form a mixture, precipitating the mixture and moving the precipitate in an upward direction and transferring the precipitate at an upper point in its movement for gravitational movement to a feeding source, the steps of moving the precipitate in the upward direction and the starting of gravitational movement of the precipitate being performed by movements of a part of an animal feeding at said source.

2,234,042
ELECTROLYTIC CAPACITOR
Paul McKnight Deeley, Plainfield, N. J., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application January 29, 1940, Serial No. 316,125
7 Claims. (Cl. 175—315)



1. In an electrolytic capacitor, a convolute capacitor unit comprising interleaved electrode and spacer strips wound into a roll, a cup having a cylindrical portion and a flat portion forming a membrane, said cup arranged to engage one end of the capacitor unit, a casing enclosing the capacitor unit, and a sealing substance filling the space between said casing and the surface of the capacitor unit excepting said cup, said membrane being adapted to distend outwardly under the action of excess gas pressure developed within the capacitor.

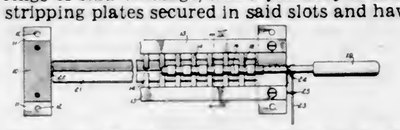
2,234,043
WALL OPENING CONSTRUCTION
Joseph Dworetz, New York, N. Y.
Application August 24, 1938, Serial No. 226,431
5 Claims. (Cl. 72—98)



1. A metal frame for openings in a plaster-coated wall comprising a member generally channel-shaped in cross-section and so formed out of a single sheet of flat material as to provide a pair of flanges, an interconnecting web, and rounded noses of relatively large radius at the junction of said flanges and said web, the major external portion of said noses being adapted to be free from plaster, portions of said flanges being disposed at less than a right angle to the plane of said web, said last named flange portions being adapted to serve as plaster terminals, whereby the space back of said noses between said flanges and said web will be free from plaster.

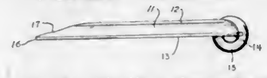
2,234,044
PLASTIC BINDING STRIPPING DEVICE
Charles Edward Emmer, Chicago, Ill., assignor to Cercla, Inc., Chicago, Ill., a corporation of Illinois
Application July 10, 1939, Serial No. 283,583
13 Claims. (Cl. 18—1)

13. A device for removing plastic bindings from a mandrel about which a series of spaced rings comprising a part of the binding are formed, said device comprising a supporting member having a plurality of parallel slots formed in one surface thereof, said slots having the same spacing as the rings of said bindings, and a plurality of similar stripping plates secured in said slots and hav-



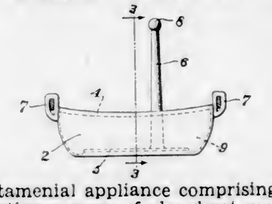
ing stripping edges thereon located in an imaginary surface which is straight in a direction perpendicular to said plates.

2,234,045
OPENER FOR PLASTIC BINDINGS
Charles Edward Emmer, Chicago, Ill., assignor to General Binding Corporation, Chicago, Ill., a corporation of Illinois
Application September 8, 1939, Serial No. 293,878
7 Claims. (Cl. 11—1)



1. An opener for binding elements of the type described comprising a smooth round-edged blade having a body portion of even width and a tapered end portion, one edge of said tapered end portion being in line with one edge of said body portion.

2,234,046
CATAMENIAL APPLIANCE
Ignace Nathan Freud, Johnstown, Pa.
Application January 20, 1939, Serial No. 252,013
2 Claims. (Cl. 128—285)



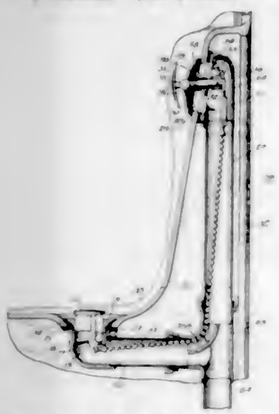
1. A catamenial appliance comprising a pouch for supporting a mass of absorbent material externally adjacent the vulva of the vagina, a solid, slender, flexible stem member extending vertically upward from said pouch for removably supporting a pad of absorbent material on its external surface and adapted to extend into the vagina, and means on said stem to retain absorbent material thereon against displacement when the stem is removed from the vagina.

2,234,047
HIGH CREEP STRENGTH LOW ALLOY STEEL
Harry L. Frevert, Philadelphia, Pa., assignor to The Midvale Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 14, 1939, Serial No. 304,329
4 Claims. (Cl. 75—126)

1. An alloy having a high and durable creep strength and freedom from cold embrittlement after prolonged high temperature exposure containing carbon not over .5% and the addition elements manganese, silicon, chromium and molybdenum, the manganese being present in a proportion between .65 and 1.5%, the chromium in a proportion between .5 and 1.0%, the silicon in a proportion between .15 and .40%, and the molybdenum in a proportion between .15 and .50% and having the further characteristic that the percentage of manganese is not less than the percentage of chromium plus the percentage

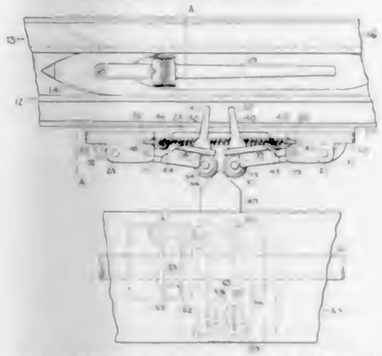
of molybdenum and that the percentage of chromium is in excess of the percentage of molybdenum and in excess of the percentage of silicon, the balance of the composition being substantially all iron.

2,234,048
VALVE CONSTRUCTION
Christopher Groen, Oak Park, Ill., assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa, a corporation of Iowa
Application May 3, 1939, Serial No. 271,430
8 Claims. (Cl. 4—199)



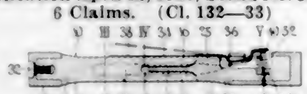
1. In combination with a vessel having drain and overflow openings therein, a ferrule in the drain opening having an integral internal flange thereon, a valve, a bell crank connected to the said valve one arm of which rests in the said flange, a chain connected to the other bell crank arm, a pivotally mounted lever to which the other end of the chain is secured, and friction means holding the said lever selectively in a plurality of positions.

2,234,049
LOOM SHUTTLE POSITIONER
William R. Hewton, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 25, 1939, Serial No. 275,588
8 Claims. (Cl. 139—252)



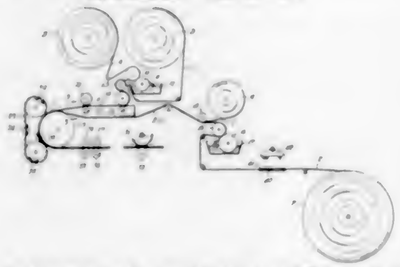
1. In a bobbin replenishing loom having a lay, a shuttle box mounted on the lay and a recessed shuttle, the combination of parts comprising shuttle positioning means movable into the shuttle recess and then laterally in opposite directions in the recess to engage either side wall of the recess to move the shuttle to a position in replenishing alignment with bobbin replenishing loom parts.

2,234,050
HAIR CURLER
Joseph D. La Vista, Buffalo, N. Y.
Application April 12, 1940, Serial No. 329,327
6 Claims. (Cl. 132—33)



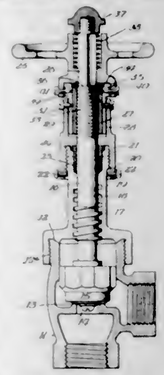
6. A hair curler comprising a pair of bifurcated body members each of which has a pair of parallel spaced extending finger portions of such sectional form as to be adapted to complement and interfit to provide, when assembled, a substantially solid hair curling mandrel of cylindrical form, said body members being adapted to be withdrawn from a curl formed thereon by simultaneous movements in opposite directions therefrom, said finger portions being longitudinally tapered and of gradually reducing sectional form toward the free ends thereof, whereby the diameter of said mandrel in the region of the center thereof automatically reduces during disassembly movements of said body members, whereby said curl is undisturbed by the effects of frictional forces thereon during said withdrawing movements, one of said body members being provided with a spoonbill pivotally mounted thereon for releasably clamping a tress of hair upon said device, spring means resiliently urging said spoonbill into clamping relation against one of said body members, and abutment means operatively associated with said spoonbill for limiting the movement of the latter in response to action of said spring means, whereby during disassembly of said mandrel the pressure of said spoonbill upon said hair curl gradually diminishes as the disassembly movement proceeds.

2,234,051
MANUFACTURE OF BAGS
Eino E. Lakso, Fitchburg, Mass., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Original application April 28, 1936, Serial No. 76,778. Divided and this application April 13, 1940, Serial No. 329,422
14 Claims. (Cl. 93—18)



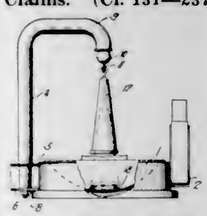
10. Apparatus for making bags of flexible laminated material, said apparatus including means for progressively advancing a web of heat-sealable material and a web of protective material, means for successively cutting transverse slots in said web of protective material at intervals lengthwise thereof corresponding to the length of the bags, means for bringing said slotted web into superposed relation to the first named web, means for progressively shaping the laminated web thus produced to tubular form, means for sealing the longitudinal edges together to complete the tube, means for infolding the sides of the tube to form pleats extending lengthwise thereof and for collapsing the tube, said transverse slots being positioned to be included in and extend transversely of the pleats, means for heat-sealing the tube transversely along said slots, and means for severing the tube along the transverse seals to form individual bags.

2,234,052
VALVE
Franz Luenz, Chicago, Ill., assignor of one-half to John Hollis Gleason, Chicago, Ill.
Application July 12, 1940, Serial No. 345,076
15 Claims. (Cl. 251—165)



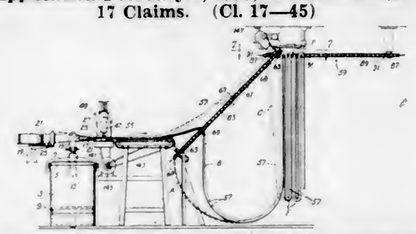
1. The combination with a valve comprising a casing, a gate in the casing, a stem for shifting the gate, and a screw-connection between the casing and the stem, of a sleeve-member secured on to the casing, a locking-sleeve through which the stem extends, slidably mounted in, and non-rotatably connected to, said member, means on the stem for slidably shifting the sleeve in said member, a handle slidably mounted on, and connected to rotate, the stem, means between the sleeve and the handle for locking the handle against rotation and releasable by sliding movement of the handle on the stem, and spring-means for holding the handle in its locked position.

2,234,053
ASH TRAY
Fridl Kohn, née Meier, New York, N. Y.
Application October 8, 1938, Serial No. 233,920
4 Claims. (Cl. 131—237)



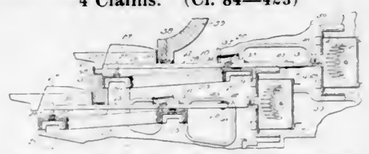
1. In an ash tray in combination, a bowl for the residue of cigars, cigarettes and tobacco, a hollow snuffer adapted to be pressed against burning residue of cigars, cigarettes or tobacco placed in the bowl in order to snuff the residue, a gallows-shaped support attached to said bowl, said support including an arm extending above the bowl, a rod pivoted with one end to said arm and injected with its other end in said hollow snuffer and a coil spring arranged within said hollow snuffer, one end of said coil spring connected to a wall of said snuffer and the other end connected to said rod.

2,234,054
METHOD OF AND APPARATUS FOR MAKING SAUSAGES
Glenn E. Mason, St. Louis County, Mo.
Application February 8, 1939, Serial No. 255,227
17 Claims. (Cl. 17—45)



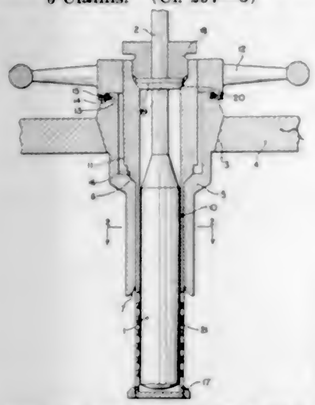
1. A method of sausage making comprising continuously forming a skin, moving the skin as it is made, forcing sausage meat into the skin as it moves, arranging the skin with parallel lengths, moving said parallel lengths through a processing compartment, and pinching said lengths at predetermined distances thereon as they move, said pinching being to a degree to separate the meat into segments in the skin without separating the skin into segments.

2,234,055
CONSOLE
Valentine J. Mohler, River Forest, Ill., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois
Application July 10, 1939, Serial No. 283,545
4 Claims. (Cl. 84—423)



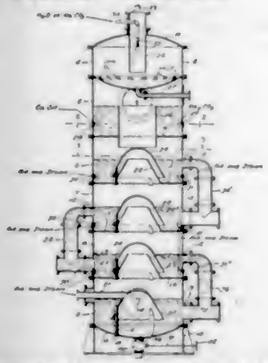
1. An organization of the class described comprising a set of electric switches, means for mounting said switches to enable any individual switch to be removed from said set, each switch having a vertically movable circuit controlling lever, a keyboard disposed forwardly of said set of switches and comprising a playing key for each individual switch, each key having a portion at its back end removably associated with the circuit controlling lever of a respective switch and adapted to bear against and move the lever in a circuit closing direction when depressing said key, and means by which the keyboard can be mounted as a unit in front of said switches and similarly removed therefrom and for simultaneously effecting an operating relation of the back end portions of all keys with the circuit controlling levers of respective switches when mounting the keyboard in front of said switches as aforementioned.

2,234,056
SEPARABLE SOCKET
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 4, 1938, Serial No. 193,933
6 Claims. (Cl. 297—3)



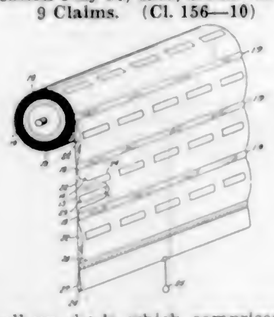
1. In combination with a bulb socket, a container having an opening therein, a sleeve having an axial bore fitted within said opening, a member adapted to receive a thermal element guided by and movable within the bore of said sleeve, means forming part of said member and sleeve to form a plurality of separate pressure tight connections therebetween, and means to move said member within said sleeve to alternately close said connections.

2,234,057
CAUSTICIZING TOWER
Morris B. Mount, Lynchburg, Va.
Application January 11, 1939, Serial No. 250,269
3 Claims. (Cl. 23—283)



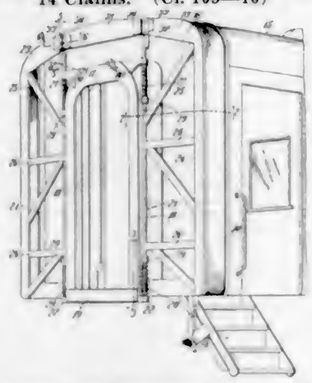
1. A causticizing tower comprising a cylindrical casing, horizontal partitions dividing the casing into a plurality of superposed chambers and each provided with an opening for the passage of gaseous media, upstanding flanges about the openings, means for admitting reaction chemicals to the uppermost of said chambers, conduits successively connecting the other chambers to permit flow of the reacting chemicals downwardly from one to another, the outlets for the conduits being substantially at the height of said flanges, dome members over the flanges of said other chambers for inducing a reverse flow of rising gaseous media through the reacting chemicals in the respective other chambers, two pipes leading tangentially in opposite directions into each of said other chambers at points near the bottom thereof, and a source of gaseous medium under pressure communicating with each of said pipes.

2,234,058
DUPLEX ROLLER SHADE AND METHOD OF MANUFACTURE
Victor E. Murray, Cincinnati, Ohio
Application July 10, 1939, Serial No. 283,597
9 Claims. (Cl. 156—10)



1. A roll-up shade which comprises a pair of perforated webs each having an end, and a roller supporting said ends with the webs pendent from the roller at a common tangential line on the roller so that the webs wind and unwind upon the roller unitarily in flatwise contact, and means connecting said webs together transversely and flatwise at spaced intervals along the length thereof to form corresponding panels on the webs, the panels of one web being slightly larger than the panels of the other web to cause bulging of the larger web from the other web when the webs are unwound and pendent from the roller, the perforations of the webs being out of registry for the purposes described.

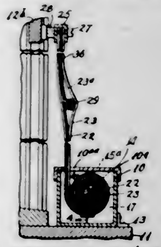
2,234,059
DIAPHRAGM FOR RAILROAD PASSENGER CARS AND METHOD OF MOUNTING SAME
Karl F. Nystrom, Milwaukee, Wis.
Application August 9, 1937, Serial No. 158,148
14 Claims. (Cl. 105—10)



1. In a vestibuled passenger car provided with a diaphragm enclosing the central passageway

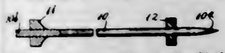
of said vestibule; a face plate at the outer end of the diaphragm yieldingly supported by the buffer plate of the car; an outer flexible diaphragm arranged substantially flush with the car side walls and with the car-roof and secured to the vestibule end wall; a sectional face plate or frame secured to the outer end of said last mentioned diaphragm and disposed about the top and sides of the first mentioned face plate, means rotatably associated with the first mentioned face plate and operatively connected with the two side sections of the said sectional face plate whereby the said side sections are hingedly supported in place; means whereby said side sections are yieldingly held in normal position; and means whereby the top central section of said sectional face plate is yieldingly supported by the vestibule end wall.

2,234,060
ROLLER SCREEN AND ATTACHMENT FOR WINDOWS
Joseph Pontuck and Samuel Finkelstein, Brooklyn, N. Y.
Application September 28, 1939, Serial No. 296,880
8 Claims. (Cl. 156—39)



1. In a roller screen, a spring operated self winding screen for attachment on a window frame and having a free end, strips mounted on the side edges of said screen and projected beyond the free end thereof, means attaching the free ends of said strips to the bottom edge of an open window sash forming an unscreened area between the bottom edge of said sash and the free end of said screen, a roller mounted between said binding strips adjacent the free end of said screen, and an auxiliary screen having one end wound upon said second roller and adapted to be extended upwards to the bottom edge of said window sash for closing said unscreened area, whereby when said window sash is moved to a closed position said spring operated self-winding screen will wind up the screen portion thereof and also wind up said strips and said auxiliary screen.

2,234,061
SAFETY CAP FOR KNITTING NEEDLE-POINT
William H. Porter, Northport, N. Y., and Clarence M. Porter, Lakeside, Point Claire, Quebec, Canada
Application April 15, 1940, Serial No. 329,677
7 Claims. (Cl. 66—117)



1. In combination with a knitting needle, a flange mounted on said knitting needle spaced slightly from its blunt end, and a member mounted on said blunt end and removable and engageable on the pointed end for preventing loops from dropping off the needle when not used, said member comprising an annular ring of rubber, an annular ring of rigid material embedded therein.

2,234,062
SCENT DIFFUSER FOR COSTUME JEWELRY, HAIR COMBS, AND LIKE ARTICLES
Charles W. Roberts, New York, N. Y.
Application May 25, 1940, Serial No. 337,196
8 Claims. (Cl. 63—1)



1. A scent diffuser for costume jewelry and the like articles, comprising a body, a clip for holding a cylindrical container mounted on said body, a baffle mounted on said body to the front of said clip, and a cylindrical container for scented liquid mounted on said clip and having a front discharge orifice immediately adjacent said baffle.

2,234,063
PROCESS FOR PRODUCING CONCENTRATED INFUSIONS FROM MEDICINAL PLANTS
John B. Rolle, Chicago, Ill.
No Drawing. Application April 7, 1939, Serial No. 266,679
8 Claims. (Cl. 99—78)

1. The process of making concentrated infusions of medicinal plant parts containing substantial amounts of the bitter tannin principle, consisting of mixing a first portion of the plant part, a fixed oil and water in substantially the proportions of one pound of the plant part, one pint of the fixed oil and from two to three gallons of water, placing the mixture in a still at a temperature of not to exceed substantially 100° F. and gradually increasing the temperature of the mixture in the still to not over 240° F. in about one hour and continuing the treatment in the still and the condensation of the distillate until the condensate amounts to substantially one gallon per pound of said plant part so treated, then mixing a second portion of the plant part and said condensate in substantially the proportion of one pound of the plant part and one gallon of said condensate at a temperature of not to exceed 60° F. and heating said mixture in a closed vessel to not to exceed 105° F. in from two to three hours, then straining the contents of said vessel, returning the strained liquid to said vessel and closing the same and cooling said liquid to from 34° to 40° F. and holding said liquid at that temperature for from ten to fifteen hours, and then filtering from said liquid the precipitate developed therein.

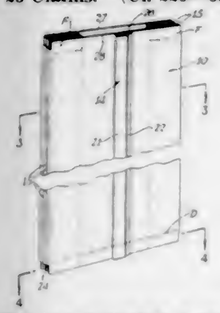
2,234,064
ART OF SURFACE ORNAMENTATION
Joseph Ulano and Harry Friedman, Brooklyn, N. Y., assignors to Nu-Film Products Company, Inc., New York, N. Y., a corporation of New York
Application July 26, 1939, Serial No. 286,520
5 Claims. (Cl. 41—38.6)



1. A laminated material comprising a carrier sheet and a film layer carried thereby and adapted to form a mechanical negative when portions corresponding to a design to be reproduced are removed therefrom and the negative is secured to a foraminous printing screen, said carrier sheet being substantially transparent and being ad-

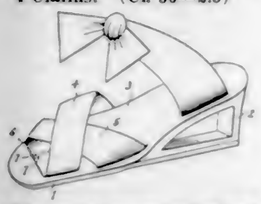
hesively joined to but removable from the film layer, such layer comprising a homogeneous film formed from a plurality of superimposed layers of film-forming material, one of the layers having a cellulose ester base and the other layer having a cellulose ether base, whereby the upper surface of the film layer may be placed in engagement with a foraminous printing screen after said portions corresponding to the design have been removed, a solvent for the material constituting the upper layer then applied to such upper surface through the screen, and the film thus become joined to the screen without the possibility of the solvent attacking the lower layer, thus avoiding distortion of the edge of the printing stencil.

2,234,065
COLLAPSIBLE CONTAINER
Clarence W. Vogt, New York, N. Y., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 15, 1936, Serial No. 74,424
25 Claims. (Cl. 229—55)



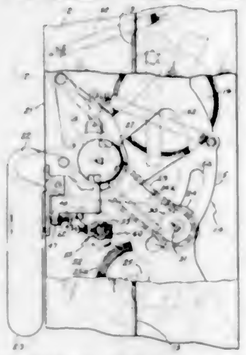
1. A flexible bag including a pair of opposed walls having their terminal portions at one end directly superposed in parallel planes, the sections of said superposed portions adjacent to opposite edges of said walls and extending transversely of the bag, being directly sealed over a comparatively wide area lengthwise of the bag to form a strong seal, and the intermediate sections of said portions being secured together transversely of said bag over a very much narrower area lengthwise of the bag, to form a weaker and more readily breakable seal.

2,234,066
SHOE
Mabel Winkel and Charles A. Julianelli, New York, N. Y.
Application February 8, 1940, Serial No. 317,790
4 Claims. (Cl. 36—2.5)



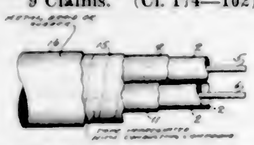
1. A shoe having an upper including a toe-embracing portion, a sole to which a portion of the upper is attached, the toe-embracing portion having the part which extends on the under side of the foot attached to the sole solely along the central longitudinal line of the sole.

2,234,067
CONTINUOUS TOWEL SIDE RELEASE DEVICE
Joseph Wilkinson, Bridgeport, Conn., assignor to Pulilcan Manufacturing Corporation, Bridgeport, Conn., a corporation of Delaware
Application May 8, 1937, Serial No. 141,449
8 Claims. (Cl. 271—2.3)



1. In combination with a continuous towel dispensing apparatus including a roller rotated by the towel as it is pulled from the apparatus, a locking means to stop rotation of said roller following predetermined movement thereof and thus limit the amount of towel that may be pulled from the apparatus, a cabinet enclosing said apparatus, means for releasing said locking means to permit said predetermined movement of the roller to be repeated, said means including a pivoted dog within the cabinet, a cam within said cabinet and located to engage and move said dog, and a rotary knob at the outer side of said cabinet and connected to rotate said cam to shift the dog to release the locking means.

2,234,068
CONDUCTOR
Robert J. Wiseman, Passaic, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application November 2, 1929, Serial No. 404,245
9 Claims. (Cl. 174—102)

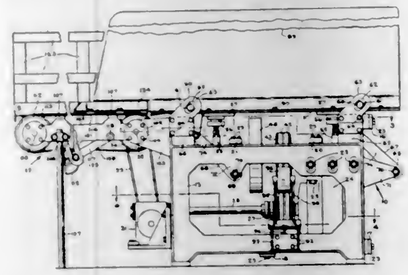


1. An insulated conductor, comprising a conductor and vulcanized rubber insulation thereon, and a conducting covering over and in direct contact with said insulation comprising a textile base impregnated with a rubber compound including finely divided conducting material in such proportion as to render said rubber compound conductive.

2,234,069
MACHINE FOR SETTLING AND COMPACTING FLOUR IN BAGS
Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application July 14, 1939, Serial No. 284,423
3 Claims. (Cl. 259—72)

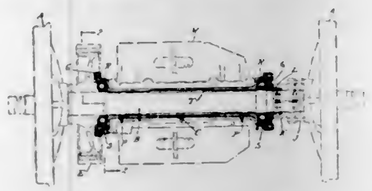
1. In apparatus for settling and compacting flour in bags, a horizontally disposed table,

means for supporting and guiding said table to permit the table to move only obliquely upwardly and forwardly or downwardly and backwardly with a parallel motion, and means including a link having a universal connection at one end with the table and an actuating crank for the link



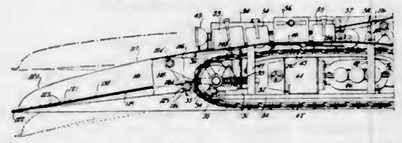
which moves in a plane at a right angle to the plane of movement of the table for thus rapidly reciprocating said table up and down in said supporting and guiding means to advance bags along said table as the material therein is settled and compacted.

2,234,070
SUSPENSION MEANS FOR THE DRIVING MOTORS IN ELECTRIC TRACTION VEHICLES
Charles Allen Barton, Rio de Janeiro, Brazil
Application March 30, 1938, Serial No. 198,975
In Brazil April 1, 1937
3 Claims. (Cl. 105—113)



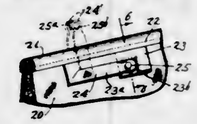
1. A motor mounting and driving-axle assembly for electric traction vehicles comprising a driving axle, an elongated cylindrical member surrounding said axle and terminally expanded at both ends into cylindrical portions of larger diameter, the central portion of said elongated cylindrical member being of a diameter such that it may move freely about said axle, roller bearings disposed about the axle and within the annular spaces defined by the axle and the terminally expanded end portions of said elongated cylindrical member, said roller bearings forming the sole supporting connection between said elongated cylindrical member and the axle, a driving motor for the axle separate from the cylindrical member mounted on said cylindrical member with its axis parallel to said axle, a gear on said axle, a pinion driven by the motor for driving said gear, and means for yieldingly supporting the side of the motor opposite from the cylindrical member, whereby said bearings support a portion of the weight of the motor and absorb a portion of the pressure of the driving gear and said motor may oscillate about said axle as a center.

2,234,071
LOADING APPARATUS
Charles N. Bebinger, New Philadelphia, Ohio, assignor to La-Del Conveyor & Manufacturing Company, New Philadelphia, Ohio, a corporation of Ohio
Application September 30, 1939, Serial No. 297,355
17 Claims. (Cl. 198—14)



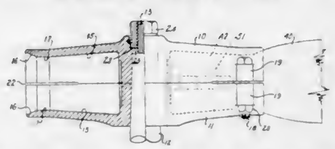
1. A loading machine for loading coal in a mine including a base, a discharging conveyor pivotally mounted at its receiving end on the base for vertical tilting movement and horizontal swinging movement, a uniform stroke oscillatory gathering conveyor unit pivotally mounted on the base for vertical tilting movement and including a trough having its delivery end positioned over and closely adjacent to the receiving end of the discharging conveyor, and a single power unit carried by the gathering conveyor unit under said trough for driving both conveyors.

2,234,072
TAB DEVICE FOR AIRING PILLOWS
Martin Braff, Brooklyn, N. Y.
Application May 31, 1940, Serial No. 337,981
4 Claims. (Cl. 5—337)



1. A tab device for airing pillows, comprising a pillow having a binding strip sewed upon its edges, a strip engaged beneath said binding strip and having side portions extending from the sides of said binding strip, tabs cut from said side portions and extending over an inturned end portion of said strip, and fasteners releasably securing said tabs and inturned end portions together and adapted to connect the tabs together in extended positions.

2,234,073
PROPELLER
Walter E. Burnham, Detroit, Mich., assignor to Freedman-Burnham Engineering Corporation, Cincinnati, Ohio, a corporation of Ohio
Application December 15, 1937, Serial No. 179,966
2 Claims. (Cl. 170—173)



1. An aeronautical propeller and hub assembly comprising in combination a pair of complementary hub sections having a tapered bore extending therethrough for receiving a drive shaft, radially disposed propeller sockets formed by said hub sections, each adapted to receive a propeller blade butt, the interior of each socket comprising a pair

of opposed truncated cones separated from one another by a narrow annular horizontal surface, the diameter of each cone progressively increasing from said horizontal surface whereby a long propeller butt engaging major taper is provided interiorly of the socket and terminating adjacent said drive shaft, and a shorter opposed propeller shank positioning minor taper provided interiorly of the socket remote from said drive shaft, said major taper functioning to grip the major portion of the butt of a propeller blade having a complementary taper to that of the hub socket, whereby the tendency of a blade to pull out from said hub socket due to centrifugal force is overcome, the shorter minor taper functioning to space the propeller blade a fixed distance from the center line of the drive shaft whereby opposed propeller blades will bear proper diametric relationship to one another, and suitable clamping means disposed externally of said socket in vertical alignment with said narrow horizontal surface intermediate said major and minor tapers whereby a propeller butt is accurately positioned and secured relative to said major and minor tapers.

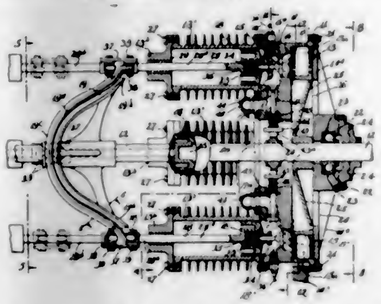
2,234,074

TURBINE GASOLINE ENGINE

Eric Carlson, Mount Vernon, N. Y.

Application April 26, 1938, Serial No. 204,484

2 Claims. (Cl. 60—13)



1. In a device of the class described, a casing having a circular rotor chamber, a rotor rotatively supported axially of said casing, buckets mounted on the peripheral edge of said rotor and extending into said rotor chamber, a cylinder mounted on said casing adjacent the peripheral edge thereof and having an inlet for fuel, a nozzle connecting the interior of said cylinder to said rotor chamber, a piston slidably engaged into said cylinder, means for reciprocating said piston, a valve seat formed on the end of said nozzle adjacent said cylinder, a valve engaging said seat for closing said nozzle, a stem extending from said valve into said cylinder, resilient means for holding said valve in position on said seat, a rod extended across the end of said cylinder, a collar mounted on said rod and through which said stem freely passes, a cup-shaped member mounted on the inner end of said stem and engageable into said recess formed in said piston when said piston almost reaches the end of its stroke, means for simultaneously igniting the compressed fuel contained in said cylinder so that further movement of said piston towards the end of said cylinder will cause said stem to be extended from said cylinder to unseat said valve so that the burned gases resulting from said ignition will pass from said cylinder through said nozzle and into said rotor chamber and against said buckets to rotate said rotor.

2,234,075

MEMORIZER

Guy Carolin, New York, N. Y.

Application February 16, 1940, Serial No. 319,231

4 Claims. (Cl. 35—22)



1. A practice and testing book which comprises a binding, a sheet having lines transverse to the binding and lines parallel to the binding and intersecting said first-mentioned lines for defining two columns of rows of spaces adapted for inscriptions respectively of problems and answers, and a mask sheet bound with said first-named sheets, and aligned with the columns and adapted to cover the column nearest the binding, and one or more sheets bearing lines in alignment with the transverse lines of the first sheets and defining spaces adapted to receive written answers, said last-named sheets extending beyond the edge of the first-named sheets which is parallel to the binding, whereby said last written answers may be composed with said first answers.

2,234,076

EMULSION POLYMERIZATION OF BUTADIENES

Walter Gumlich, Leverkusen-Schlebusch, and Ingofroh Dennstedt, Cologne-Buchforst, Rhine, Germany, assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application December 17, 1938, Serial No. 246,482. In Germany December 24, 1937

2 Claims. (Cl. 260—93)

1. In the process of polymerizing in aqueous emulsion in the presence of emulsifying agents, polymerizable substances selected from the group consisting of butadienes-1.3 and mixtures of butadienes-1.3 with other polymerizable compounds capable of forming copolymerizates with butadienes, the step which comprises working in the additional presence of water-soluble phthalocyanines containing in complex combination such heavy metals as are capable of existing in different stages of oxidation, the said complex compounds being stable in an acid as well as in an alkaline medium.

2,234,077

FROG-SIMULATING FISH LURE

Arthur L. Hayley, Jr., Louisville, Ky.

Application July 17, 1940, Serial No. 345,947

7 Claims. (Cl. 43—42)

1. An artificial fish lure comprising: a buoyant body member; means connected to said body member and normally assuming one position when the lure is stationary, said means moving to another position when the lure is moved forwardly through water; and a buoyant leg member pivotally mounted on and bodily carried by said means, the buoyant property of said leg



member being effective in the normal position of said means to cause the leg member to move to an upwardly extending position and the water resistance of said leg member being effective in the other position of said means to cause the leg member to assume a rearwardly projecting position.

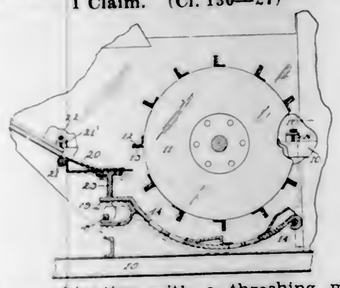
2,234,078

SHELLER PLATE AND CONCAVE FOR THRESHING MACHINES

Marion J. Hunt, Peoria, Ill., assignor to Wood Brothers Thresher Company, Des Moines, Iowa, a corporation of Iowa

Application April 29, 1939, Serial No. 270,790

1 Claim. (Cl. 130—27)



The combination with a threshing machine cylinder, of a concave pivotally supported at its discharge end for permitting up and down movement of its receiving end, a support fixed to the receiving end of the concave and extended upwardly above the concave and in front of the cylinder, a sheller plate pivotally supported at its edge furthest from the cylinder adjacent the receiving end of the concave and pivoted about an axis parallel to the axis of the threshing cylinder and extended in a substantially horizontal position toward the cylinder to form, with the cylinder, a restricted throat, and having a downward extension to slidably rest upon said support fixed to the receiving end of the concave, whereby a downward movement of the receiving end of the concave will increase the area and capacity of said throat.

2,234,079

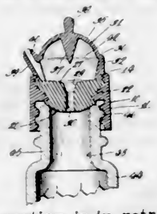
FLUID DISPENSER

Thomas W. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio

Application December 9, 1938, Serial No. 244,809

8 Claims. (Cl. 215—74)

1. Closure means for a container, comprising: bulb means, connectable to the container adjacent the container opening, and having a skirt portion and a wall portion capable of being moved to retroverted or extended positions with respect to said skirt portion and including means preventing flow of substance from the container



when said wall portion is in retroverted position and providing for flow of substance from the container when said wall portion is in extended position, said wall portion being so constructed and arranged that movement from one position to another is accompanied by a snap action.

2,234,080

CEMENT COMPRISING MAGNESIA AND COPPER CHLORIDE AND ARTICLES MADE THEREFROM

Thomas A. Mitchell and Donald C. Mitchell, Torrance, Calif., assignors to Palos Verdes Laboratories Corporation, Torrance, Calif., a corporation of California

No Drawing. Application March 16, 1938, Serial No. 196,154

14 Claims. (Cl. 106—29)

2. A cement comprising magnesia constituting at least 15% by weight of the mass together with a granular material and a reagent substantially free from magnesium chloride which comprises copper chloride sufficient to react with substantially all of said amount of magnesia in the presence of water and set as a hard cement that is not materially disintegrated by water.

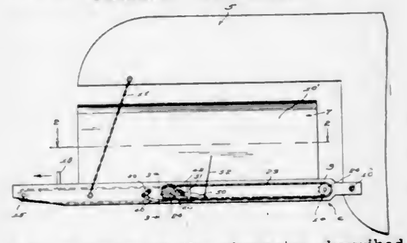
2,234,081

STRAW BUNCHER AND DISCHARGE MEANS FOR COMBINES

Vladimir G. Nebuda, West Point, Nebr.

Application June 25, 1940, Serial No. 342,377

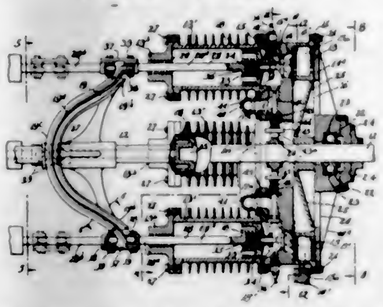
4 Claims. (Cl. 56—122)



1. In a device of the character described, a frame, a hopper carried by said frame to receive straw from a harvesting machine, an endless conveyor carried by said frame and having one run thereof extending through the hopper and including a flight for the discharge of accumulation of straw in said hopper onto the ground in a pile, drive and driven shafts journaled on the frame, means for connecting the drive shaft to a power source, a clutch for clutching and declutching said shafts, means for connecting the driven shaft to the conveyor, a trip mechanism located in the path of movement of the flight for

of opposed truncated cones separated from one another by a narrow annular horizontal surface, the diameter of each cone progressively increasing from said horizontal surface whereby a long propeller butt engaging major taper is provided interiorly of the socket and terminating adjacent said drive shaft, and a shorter opposed propeller shank positioning minor taper provided interiorly of the socket remote from said drive shaft, said major taper functioning to grip the major portion of the butt of a propeller blade having a complementary taper to that of the hub socket, whereby the tendency of a blade to pull out from said hub socket due to centrifugal force is overcome, the shorter minor taper functioning to space the propeller blade a fixed distance from the center line of the drive shaft whereby opposed propeller blades will bear proper diametric relationship to one another, and suitable clamping means disposed externally of said socket in vertical alignment with said narrow horizontal surface intermediate said major and minor tapers whereby a propeller butt is accurately positioned and secured relative to said major and minor tapers.

2,234,074
TURBINE GASOLINE ENGINE
Eric Carlson, Mount Vernon, N. Y.
Application April 26, 1938, Serial No. 204,484
2 Claims. (Cl. 60—13)



1. In a device of the class described, a casing having a circular rotor chamber, a rotor rotatively supported axially of said casing, buckets mounted on the peripheral edge of said rotor and extending into said rotor chamber, a cylinder mounted on said casing adjacent the peripheral edge thereof and having an inlet for fuel, a nozzle connecting the interior of said cylinder to said rotor chamber, a piston slidably engaged into said cylinder, means for reciprocating said piston, a valve seat formed on the end of said nozzle adjacent said cylinder, a valve engaging said seat for closing said nozzle, a stem extending from said valve into said cylinder, resilient means for holding said valve in position on said seat, a rod extended across the end of said cylinder, a collar mounted on said rod and through which said stem freely passes, a cup-shaped member mounted on the inner end of said stem and engageable into said recess formed in said piston when said piston almost reaches the end of its stroke, means for simultaneously igniting the compressed fuel contained in said cylinder so that further movement of said piston towards the end of said cylinder will cause said stem to be extended from said cylinder to unseat said valve so that the burned gases resulting from said ignition will pass from said cylinder through said nozzle and into said rotor chamber and against said buckets to rotate said rotor.

2,234,075
MEMORIZER
Guy Carolin, New York, N. Y.
Application February 16, 1940, Serial No. 319,231
4 Claims. (Cl. 35—22)



1. A practice and testing book which comprises a binding, a sheet having lines transverse to the binding and lines parallel to the binding and intersecting said first-mentioned lines for defining two columns of rows of spaces adapted for inscriptions respectively of problems and answers, and a mask sheet bound with said first-named sheets, and aligned with the columns and adapted to cover the column nearest the binding, and one or more sheets bearing lines in alignment with the transverse lines of the first sheets and defining spaces adapted to receive written answers, said last-named sheets extending beyond the edge of the first-named sheets which is parallel to the binding, whereby said last written answers may be composed with said first answers.

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No Drawing. Application December 17, 1938, Serial No. 246,482. In Germany December 24, 1937
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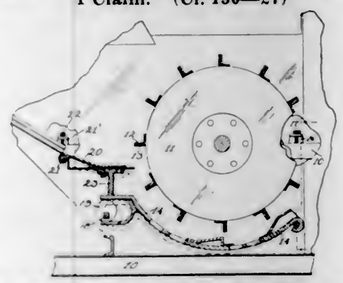
2,234,077
FROG-SIMULATING FISH LURE
Arthur L. Hayley, Jr., Louisville, Ky.
Application July 17, 1940, Serial No. 345,947
7 Claims. (Cl. 43—42)

1. An artificial fish lure comprising: a buoyant body member; means connected to said body member and normally assuming one position when the lure is stationary, said means moving to another position when the lure is moved forwardly through water; and a buoyant leg member pivotally mounted on and bodily carried by said means, the buoyant property of said leg



member being effective in the normal position of said means to cause the leg member to move to an upwardly extending position and the water resistance of said leg member being effective in the other position of said means to cause the leg member to assume a rearwardly projecting position.

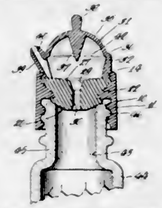
2,234,078
SHELLER PLATE AND CONCAVE FOR THRESHING MACHINES
Marion J. Hunt, Peoria, Ill., assignor to Wood Brothers Thresher Company, Des Moines, Iowa, a corporation of Iowa
Application April 29, 1939, Serial No. 270,790
1 Claim. (Cl. 130—27)



The combination with a threshing machine cylinder, of a concave pivotally supported at its discharge end for permitting up and down movement of its receiving end, a support fixed to the receiving end of the concave and extended upwardly above the concave and in front of the cylinder, a sheller plate pivotally supported at its edge furthest from the cylinder adjacent the receiving end of the concave and pivoted about an axis parallel to the axis of the threshing cylinder and extended in a substantially horizontal position toward the cylinder to form, with the cylinder, a restricted throat, and having a downward extension to slidably rest upon said support fixed to the receiving end of the concave, whereby a downward movement of the receiving end of the concave will increase the area and capacity of said throat.

2,234,079
FLUID DISPENSER
Thomas W. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application December 9, 1938, Serial No. 244,809
8 Claims. (Cl. 215—74)

1. Closure means for a container, comprising: bulb means, connectable to the container adjacent the container opening, and having a skirt portion and a wall portion capable of being moved to retroverted or extended positions with respect to said skirt portion and including means preventing flow of substance from the container

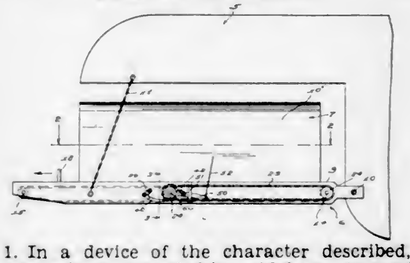


when said wall portion is in retroverted position and providing for flow of substance from the container when said wall portion is in extended position, said wall portion being so constructed and arranged that movement from one position to another is accompanied by a snap action.

2,234,080
CEMENT COMPRISING MAGNESIA AND COPPER CHLORIDE AND ARTICLES MADE THEREFROM
Thomas A. Mitchell and Donald C. Mitchell, Torrance, Calif., assignors to Palos Verdes Laboratories Corporation, Torrance, Calif., a corporation of California
No Drawing. Application March 16, 1938, Serial No. 196,154
14 Claims. (Cl. 106—29)

2. A cement comprising magnesia constituting at least 15% by weight of the mass together with a granular material and a reagent substantially free from magnesium chloride which comprises copper chloride sufficient to react with substantially all of said amount of magnesia in the presence of water and set as a hard cement that is not materially disintegrated by water.

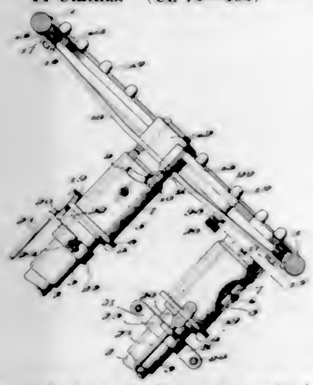
2,234,081
STRAW BUNCHER AND DISCHARGE MEANS FOR COMBINES
Vladimir G. Nebuda, West Point, Nebr.
Application June 25, 1940, Serial No. 342,377
4 Claims. (Cl. 56—122)



1. In a device of the character described, a frame, a hopper carried by said frame to receive straw from a harvesting machine, an endless conveyor carried by said frame and having one run thereof extending through the hopper and including a flight for the discharge of accumulation of straw in said hopper onto the ground in a pile, drive and driven shafts journaled on the frame, means for connecting the drive shaft to a power source, a clutch for clutching and declutching said shafts, means for connecting the driven shaft to the conveyor, a trip mechanism located in the path of movement of the flight for

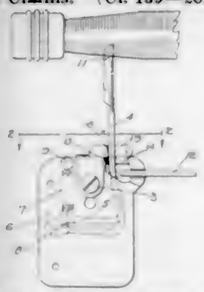
clutching and declutching the clutch and actuated by the flight engaging and disengaging therewith, and an intermittent drive means driven by said drive shaft for driving the conveyor in a step by step movement when the clutch is declutched by the flight engaging said trip mechanism.

2,234,082
DUAL CONTROL FOR AUTOMOBILES
James Haralson Pace, Avondale Estates, Ga.
Application October 24, 1939, Serial No. 301,061
11 Claims. (Cl. 74—482)



1. In a control means for motor vehicles, the combination of a steering wheel, of a controlling ring located concentrically within said wheel close to the rim thereof, anti-friction means between said wheel and ring, and connections from said ring to the gas controlling devices.

2,234,083
FILLING FEELER REPAIR PART
Alfred E. Pinkul, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 20, 1940, Serial No. 357,623
5 Claims. (Cl. 139—281)



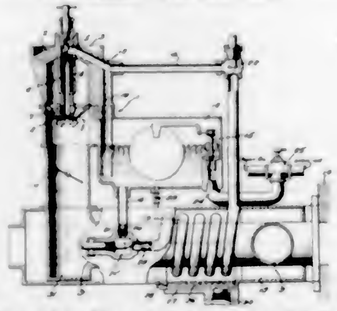
1. An attachment for a feeler mechanism for looms including a housing and a feeler mounted therein for movement forwardly and rearwardly of the loom and transversely thereof said attachment comprising an attaching portion adapted to be secured to said housing and a guiding portion, said guiding portion including a substantially vertical guiding surface, and a substantially horizontal guiding surface, said vertical guiding surface being adapted to support and guide said feeler in its movements forwardly and rearwardly of the loom, and said horizontal guiding surface being adapted to support and guide said feeler in its movement forwardly and rearwardly of the loom and throughout its movements transversely thereof.

2,234,084
CONTAINER CLOSURE
Cornelius A. Rauh, Akron, Ohio, assignor, by mesne assignments, to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 24, 1937, Serial No. 181,538
7 Claims. (Cl. 220—39)



1. In combination with a container having a protruding self sustaining neck member of resilient deformable material formed thereon and an opening through said member communicating with the interior of the container, a closure device comprising holding elements stiffer than said neck member disposed against the outside of the neck member, a cap over an end of the neck member to close the opening, said cap having an annular flange which embraces the elements to retain the latter against the member, interfitting formations on the elements and cap for securing the cap in embracing position, and a resilient band embracing the elements and neck member to independently retain the elements against the neck member upon removal of the cap.

2,234,085
INTERNAL COMBUSTION ENGINE
Glenn L. Riley, New Orleans, La.
Application March 20, 1939, Serial No. 263,089
13 Claims. (Cl. 123—133)



1. In combination an internal combustion engine, a carburetor having an air inlet and a fuel nozzle discharging into a mixing chamber, a heavy fuel vapor generating system comprising a fuel circuit including a liquid fuel chamber, a vaporizer, a liquid fuel conduit connecting the lower part of said liquid fuel chamber with said vaporizer, a vapor fuel conduit connected to said vaporizer and having an open end dipping below the liquid level in said liquid fuel chamber, a pipe connecting said fuel vapor conduit to the nozzle of said carburetor, an adjustable valve in the liquid fuel conduit designed to be set with relation to the variable engine suction, to supply liquid fuel to the vaporizer at a rate to slightly exceed the fuel vapor demand of the engine, and an adjustable valve in said vapor fuel conduit designed to be set to maintain optimum excess vapor pressure in said conduit on the side of said valve toward said vaporizer.

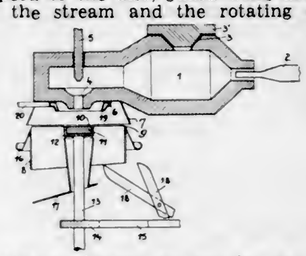
2,234,086
FOLIO LYRE
Walter Rosebraugh, Milwaukie, Oreg.
Application June 15, 1939, Serial No. 279,348
10 Claims. (Cl. 45—121)



1. In a folio lyre for attachment to a band instrument to independently position different musical scores to be played by a musician, a horizontally revoluble carrier element including a series of sidewise abutting independent flexible reinforcing members of like form and a series of independent transparent impervious leaves of like form, each of said leaves having a stationary portion arranged in and connected to a reinforcing member and its remaining portion extended from and shiftable on its correlated reinforcing member, said leaves being in the form of envelopes adapted for receiving therein a pair of independently exposable sheets of music arranged one with its back against the back of the other, each of said leaves being independently shiftable relative to its reinforcing member from exposing position with relation to one of said sheets at the back of said element to exposing position with relation to the other of said sheets at the front of said element, a revolubly adjustable mounting for said element secured to said reinforcing members whereby the said element may be revolubly adjusted to an extent to position the sheet exposed at its front to a position of exposure at its rear, a combined coupling and supporting means for said mounting, and a duplex releasable clamping structure carried by said means and acting to releasably clamp said leaves together in abutting relation and coacting with said element to releasably hold the revolving of the mounting to prevent the shifting of the element from its adjusted position when exposing the music sheet at the rear thereof.

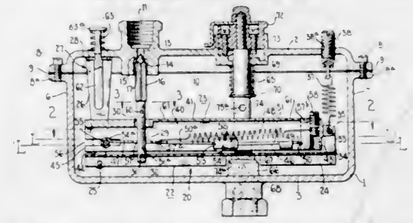
2,234,087
APPARATUS AND METHOD FOR PRODUCTION OF FIBERS FROM GLASS, SLAG, AND THE LIKE MELTABLE MATERIALS
Friedrich Rosengarth, Cologne-on-the-Rhine, and Fritz Hager, Bergisch Gladbach, Germany, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application November 16, 1931, Serial No. 575,358
In Germany November 29, 1930
8 Claims. (Cl. 49—1)

4. A device for producing fibers from molten glass, slag and the like meltable material, comprising a melting furnace for the material, an outlet in the bottom of the furnace wherethrough to discharge a continuous thin stream of molten material, a horizontally disposed circular disc below this outlet whereon to deliver the stream of molten material, means for imparting a high rotary speed to the disc, guard walls about the path of the stream and the rotating disc in



spaced relation thereto, an annular gap in the guard walls at substantially the same level as the top surface of the rotating disc, an annular air nozzle above the disc opening downwardly for directing a current of air around the disc substantially parallel to the axis of rotation of the same, and means for cutting the fibers as they move downwardly away from the disc.

2,234,088
CONTROL DEVICE
Philip S. Russel, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 24, 1938, Serial No. 192,318
22 Claims. (Cl. 137—68)

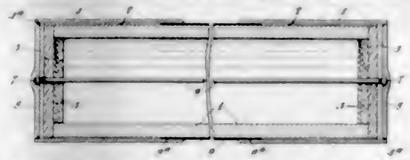


1. In a control device for controlling a controlled means, a movable control means, supporting means, a pair of actuating members carried by said supporting means, each of said members being directly actuated by the controlled means, one of said members being mounted on and movable relative to the other of said members, said one member being initially movable relative to said other member by the controlled means, means operable to transmit movement from said other member to said control means, means separate from said operable means and operable independently of said first-named transmitting means to transmit movement from said one member to said control means, and means operable independently of said controlled means to move said one member upon initial movement of said one member relative to said other member so that said one member will act through said second-named transmitting means upon said control means.

2,234,089
PACKAGED TUBE
Elmer N. Sanders, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application July 18, 1939, Serial No. 285,212
3 Claims. (Cl. 206—46)

1. A tube or pipe end protector including a

tubular part adapted to fit over said end and having a cross bar fixed transversely across its inside spaced from its extreme end for the purpose of effecting protected engagement of an attachment means and a closure for the tube or



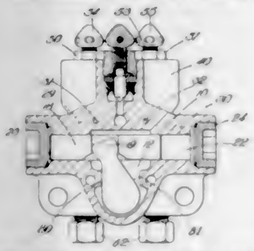
pipe end having annularly stepped parts fitting the inside and end of the tube or pipe end, said closure being adapted for use inside said transverse bar and the latter functioning to position said closure.

2,234,090

FLUID PUMPING AND CONTROLLING MEANS

Donald Wilfred Sessions, Mill Hill, London, England

Application August 20, 1938, Serial No. 226,005
In Great Britain October 6, 1937
13 Claims. (Cl. 103—171)



1. A pump comprising a casing having a horizontal bore constituting a pump cylinder, a double acting piston therein, a pair of valve controlled pressure chambers positioned above and laterally offset from the pump cylinder and between the ends of said pump cylinder, said casing having a pair of vertical bores one extending downwardly from one pressure chamber and the other extending downwardly from the other pressure chamber, said casing also having a pair of upwardly and laterally inclined rectilinear bores extending from the ends of the pump cylinder up to the lower ends of the vertical bores, said casing also having a fluid inlet adapted to communicate with said pump cylinder, and a non-return valve associated with the upper end of each vertical bore.

2,234,091

TREATMENT OF TEXTILE MATERIALS

Edwin Holroyd Sharples, Coventry, England, assignor to Courtaulds, Limited, London, England, a British company

No Drawing. Application December 14, 1938, Serial No. 245,781. In Great Britain January 6, 1938
3 Claims. (Cl. 91—68)

1. A process of treating textile material which comprises subjecting the material free from moisture but containing a small percentage of a soluble soap of a higher fatty acid to the action of dry chlorine and thereafter insolubilizing said soap in situ by treating the material with an insolubilizing agent.

2,234,092

HINGE ROD PIVOT

Joseph L. Shaw, Dunlap, Ind., assignor to Buescher Band Instrument Company, Elkhart, Ind.

Application July 22, 1940, Serial No. 346,838
3 Claims. (Cl. 84—380)



1. A means for rockably mounting a musical instrument key shaft between a pair of supporting posts, comprising a pair of stub shafts having a smooth bearing surface for engagement with a smooth opening formed in a post, a threaded part extending axially from said smooth bearing surface and having a diameter less than the diameter of said bearing surface, a reduced diameter cylindrical stud extending axially from said threaded part, said shaft having a threaded bore extending inwardly from an end thereof and a reduced diameter counterbore extending inwardly from said threaded bore, and a set screw threadably engaging through said key shaft and contacting with said stud to hold said stub shaft against rotation relative to said key shaft.

2,234,093

KEY SHAFT MOUNTING FOR MUSICAL INSTRUMENTS

Charles W. Silver, Elkhart, Ind., assignor to Buescher Band Instrument Company, Elkhart, Ind.

Application July 22, 1940, Serial No. 346,843
1 Claim. (Cl. 84—380)



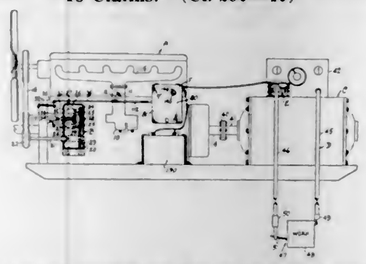
In combination, in a musical instrument having a tone pipe, a pair of spaced apertured posts secured to said pipe, a rockable tubular key shaft arranged between said posts, a stationary shaft extending through one of said posts and having an end threadedly engaging with the other, said stationary shaft extending through said tubular shaft and being of circular contour in cross section, said stationary shaft formed with a pair of spaced endwise aligned portions of corresponding diameter constituting bearings for the inner face of said tubular shaft and with a portion arranged between and of reduced diameter with respect to the said other portions, said portion of reduced diameter correlating with the aligned ends of the portions of greatest diameter and a part of the inner face of said tubular shaft to provide a lubricant chamber, and said stationary shaft having a kerf in the end thereof opposite from the threaded end.

2,234,094

IDLING DEVICE FOR ELECTRIC GENERATING PLANTS

Lester E. Sprinkle, Milledgeville, Ill.

Application January 2, 1940, Serial No. 312,122
15 Claims. (Cl. 290—40)



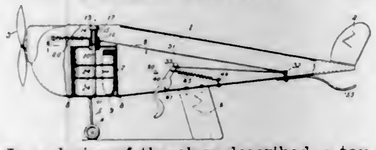
1. Control apparatus for an internal combustion engine driving a generator supplying current to a circuit, comprising a governor connected to the engine throttle and tending to maintain operation of the engine at a normal working speed, a control member movable between advanced and retracted positions, said control member in its retracted position having a lost motion connection to the engine throttle, said control member being movable into its advanced position to take up said lost motion and maintain operation of the engine at a reduced idling speed, and means responsive to opening and closing of the circuit to move said control member between said advanced and retracted positions.

2,234,095

TOY AIRPLANE

Gurn Stout, Los Angeles, Calif.

Application February 12, 1940, Serial No. 318,603
3 Claims. (Cl. 46—76)



1. In a device of the class described, a toy airplane having within its fuselage a bomb-supporting rack, said fuselage having an opening to permit the discharge of single bombs therefrom, and means including a trigger and connections to the bomb rack to effect step by step rotation of the rack and permit the release of bombs singly from the airplane.

2,234,096

LUBRICATING OIL

John W. Teter and Franklin M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application January 28, 1939, Serial No. 253,282
11 Claims. (Cl. 252—50)

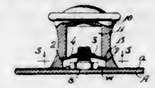
1. An improved lubricating oil which comprises a petroleum lubricating oil containing about 2% to about 6% of a dialphylamine having at least ten carbon atoms in at least one of the alphyl groups.

2,234,097

ATTACHING KNOBS, HANDLES, AND THE LIKE

George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application September 21, 1938, Serial No. 231,050
9 Claims. (Cl. 16—110)



1. In a mounting for a hardened plastic object to be secured to a supporting part, attaching means comprising a resilient sheet metal section assembled in a smooth-wall hole provided in said object, said sheet metal section being provided with fastener engaging means and anchoring means, said anchoring means being spaced apart a distance greater than the size of the hole when the resilient sheet metal section is normally untensioned, whereby said resilient sheet metal section is adapted to be flexed on being assembled in said hole to dispose said anchoring means thereof in embedded engagement with the side walls of said hole in providing a substantially locked rigid assembly of the sheet metal section with the object to be secured, said fastener engaging means of the sheet metal section receiving a cooperating fastener securing said object to the supporting part.

2,234,098

CAN CRUSHER AND BALER

Mansel S. Wells, Shinglehouse, Pa.

Application December 6, 1938, Serial No. 244,269
6 Claims. (Cl. 100—71)



6. A can crusher and baler comprising a housing formed with an inlet, a closure for the inlet

movable into and out of closed position, a piston slidable vertically in said housing from raised position at the top of the housing to lowered position and when moved downwardly in a power stroke being adapted to crush cans therein and build up a compact mass of crushed cans for baling, valve controlled fluid operated means for rapidly moving the piston downwardly in a power stroke, a valve controlled outlet for the cylinder, an actuating lever for the valve of the outlet constituting operating means for the valve of said fluid operated means, and means connecting said actuating lever with said closure for closing the closure prior to downward movement of the piston and holding the closure closed during the downward movement of the piston in a power stroke.

2,234,099

COMBINED UNITARY CURTAIN AND SHADE SUPPORT

Harold R. Westfall and Woodward W. Westfall, Clarksburg, W. Va.

Application October 4, 1939, Serial No. 297,932
5 Claims. (Cl. 156—23)



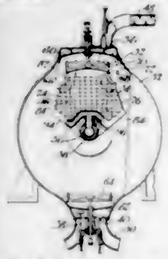
1. A combined window curtain and shade support including an extensible rod, plates fixed to the ends of the rod, a right-angular bracket for each end of the rod, a dove-tailed groove formed on one arm of each bracket and adapted to receive the plate on the rod, the other arm of each bracket provided with means for supporting window curtains and shades.

2,234,100

GAS PUMPING

Johann J. Wydler, Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application November 12, 1938, Serial No. 240,015
20 Claims. (Cl. 230—69)



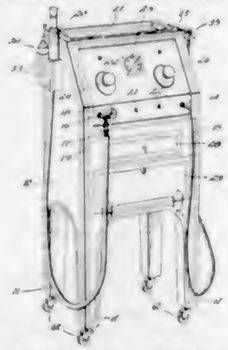
1. The method of transferring energy from a body of hot gaseous products of combustion which comprises, introducing the gas into a chamber and trapping the gas therein after its pressure has reached substantially atmospheric, positively circulating the trapped gas within the chamber and simultaneously circulating a cooling fluid through the chamber in indirect heat transfer relation with the hot gas to reduce the temperature of the gas, thereby developing a partial vacuum within the chamber, and utilizing the vacuum thereby developed to induce influx of gas into the chamber from an outside source under higher pressure.

2,234,101

TREATMENT MACHINE

Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, a corporation of Michigan

Application February 15, 1937, Serial No. 125,781
5 Claims. (Cl. 128—297)



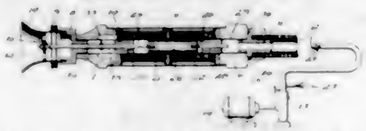
1. In a combined electric vibrator and pressure treatment apparatus, the combination with a pump driving motor, of a timing apparatus comprising a second driving motor, a switch and a coin-operated means for closing the switch, means operated by the second motor to open the switch, a transformer having one winding and its circuit closed by the switch in parallel with both of said motors, an indicating lamp of distinguishing color for designating when the motors are in operation, a vibrator circuit receiving current from the transformer when the said motors are in operation and a separate lamp of distinguishing color receiving current from the same source as the other distinguishing lamp and of a different color for indicating when the vibrator is receiving current.

2,234,102

VIBRATOR

Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan

Application April 26, 1937, Serial No. 139,073
5 Claims. (Cl. 128—52)



3. A vibrator having a hollow handle, an electro-magnet therein and an armature reciprocable thereby, an applicator cup with an outer comparatively rigid portion connected to the handle by a collapsible flexible neck, and a connection between the outer portion of the cup and the armature for reciprocating the cup with respect to the handle at the said neck.

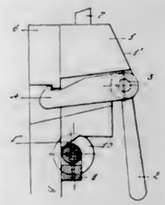
2,234,103

APPARATUS FOR CHANGING THE TOOLS IN METALWORKING LATHES

Leonida Antonelli, Padova, Italy

Application February 6, 1939, Serial No. 254,964
In Italy March 1, 1938
1 Claim. (Cl. 82—36)

A tool holder for lathes and the like comprising a block, a shaft rotatably mounted in said block having an eccentric portion thereon, a hook-like lever to engage the lathe slide on said eccentric portion, a lever fixed to said shaft for



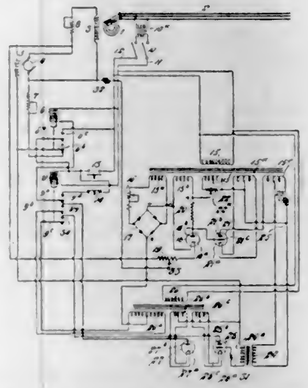
actuating the same to lock and unlock said block to the lathe slide, an oblique surface on said block and an eccentric member on said lathe slide cooperating with said surface for adjusting said tool holder.

2,234,104

ELECTRIC CONTROLLING APPARATUS

Rufus A. Andrews, Mamaroneck, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application April 16, 1940, Serial No. 329,847
14 Claims. (Cl. 171—119)



1. The combination of a dynamo-electric machine having a field winding, automatic means for controlling the current in said field winding and connected in series therewith, said field winding having an auxiliary open circuit, a manual switch, and automatic means controlled by said switch for first closing said auxiliary circuit and then opening the circuit to said automatic means.

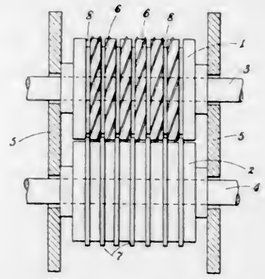
2,234,105

MANUFACTURE AND PRODUCTION OF STAPLE FIBER

Harold Ashton, Slattocks, Rochdale, and Eric Andrew Morton, Coventry, England, assignors to Courtaulds Limited, London, England, a British company

Application October 9, 1940, Serial No. 360,508
In Great Britain October 21, 1939
6 Claims. (Cl. 164—66)

1. Apparatus for the production of staple fiber from a tow of artificial threads, filaments or the like which comprises two hard, non-resilient, rigidly mounted rollers between the cylindrical surfaces of which the tow of filaments is passed, the thickness of the loose tow of filaments being considerably greater than the distance between the said cylindrical surfaces in the nip between the rollers so that the tow is flattened out and gripped in the nip, one of the said rollers being provided on its cylindrical surface with spiral cutting ridges which touch the surface of the



other roller in the nip and one of the said rollers being provided with circumferential ridges which fit into corresponding circumferential slots in the other roller and confine the flattened tow within a limited space in the nip and guiding means arranged immediately before the nip in order to prevent the filaments constituting the tow from entering the said circumferential slots.

2,234,106

WINDOW SHADE ATTACHMENT

Milton A. Bowerman, Seattle, Wash.

Application August 2, 1939, Serial No. 288,039
2 Claims. (Cl. 156—31)



2. In a device of the character described comprising an elongated relatively thin body portion having its upper edge bent inwardly and downwardly, the lower edge of the body portion bent upwardly to a point opposite the lower edge of the downwardly turned portion, the upper edge thereof turned downwardly and upwardly and flared outwardly, whereby when a piece of fabric is placed between the lower edge of the downwardly bent portion and the upper edge of the upwardly bent portion, the fabric is clamped at three distinct points when the loop portions are snapped together.

2,234,107

KEY PIVOT ACTION

Floyd E. Comer, Bristol, Ind., assignor to Buescher Band Instrument Company, Elkhart, Ind.

Application July 25, 1940, Serial No. 347,563
14 Claims. (Cl. 84—380)

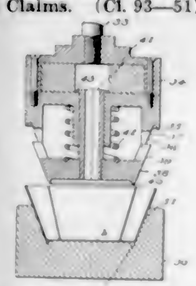
1. In a musical instrument including a hollow body, a pad carrying lever rockably mounted on the body, a key structure including a rock shaft disposed in offset relation with said lever, a laterally projecting key adjacent one end of said

shaft, a laterally projecting arm adjacent the opposite end of said shaft, and an angle-shaped



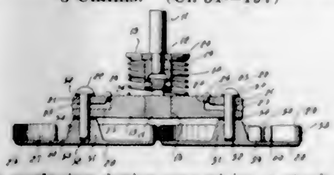
coupling member slidably and rotatably carried by the adjacent ends of said arm and lever.

2,234,108
PAPER DISH AND METHOD OF MAKING THE SAME
Herman Carew, Easton, Pa., assignor to Dixie-Vortex Company, Easton, Pa., a corporation of Delaware
Application November 21, 1938, Serial No. 241,665
8 Claims. (Cl. 93—51)



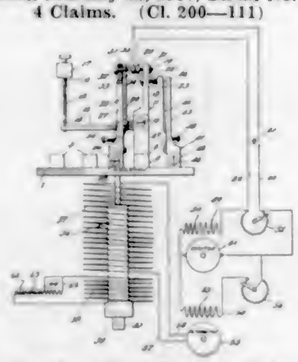
1. The method of forming a container from a single piece of material which consists in initially folding the material to provide an angular bottom and circular side wall, then shaping the bottom to circular formation, and next forming a bead around the edge of the side wall.

2,234,109
ABRADING DEVICE
James Luther Culpepper, Pearl Harbor, Territory of Hawaii
Application August 22, 1940, Serial No. 353,724
3 Claims. (Cl. 51—197)



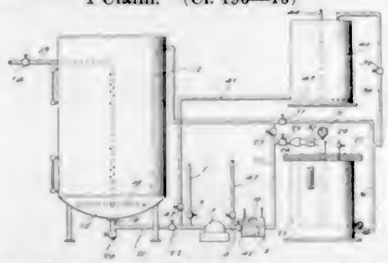
1. A surfacing device comprising a stock adapted to be connected to the chuck of a drill press to be rotated thereby, a cross head, a universal joint connecting said cross head and stock, abrading members disposesd beneath and rotatably connected to the cross head for engaging a surface to be treated, a collar on the stock above the universal joint, and an expansion coil spring mounted between the collar and crosshead and surrounding the universal joint.

2,234,110
AUTOMATIC VOLTAGE REGULATOR
Michael Debrey, Burlington, Iowa
Application January 22, 1937, Serial No. 121,879
4 Claims. (Cl. 200—111)



1. In an automatic voltage regulator, a base, a yoke carried by the base, a contact supporting member carried by the yoke and having a relatively short arm and a contact, a standard carried by the base and having a relatively long arm, a relatively long spring contact member carried by the standard, a contact on said contact member and being adapted to cooperate with said first mentioned contact, said contact supporting member including a lever, a magnet coil, a solenoid plunger carried by the magnet coil and having a plunger rod connecting said solenoid plunger and said lever, a spring supporting post carried by the base, and a spring carried by the post and limiting rocking movement of the contact supporting member.

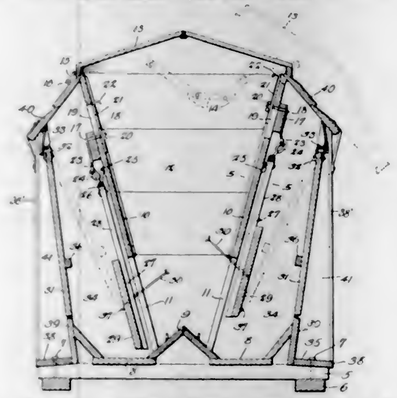
2,234,111
OIL RECLAIMING APPARATUS
Paul Joseph Doyle, Cleveland, Ohio
Application August 14, 1939, Serial No. 290,124
1 Claim. (Cl. 196—16)



An oil reclaiming apparatus comprising in combination a tank adapted to contain a predetermined quantity of the oil to be reclaimed and a predetermined quantity of fuller's earth in intimate contact with the oil, means for forcing heated air upwardly through the contents of the tank to evaporate moisture from the oil, a filter including a closed shell having a foraminous

member spaced from the walls of the shell, a pipe connecting the bottom of the tank with the interior of the foraminous member, a pump in said pipe, a pipe leading from the shell to the tank to deliver filtered oil to the top of the tank, a valve in said pipe between the tank and the pump, a valve in the pipe between the pump and the filter, a solution tank containing a coating solution for the filter, a pipe connecting the solution tank to the intake end of the pump at a point between the first-named valve and the pump, a branch pipe extending from the pipe leading from the shell to said solution tank and valves in the pipes leading to and from the solution tank, said pipes and valves providing independent recirculation systems between the first named tank and the filter and between the solution tank and the filter, both of said systems being connected with the pump for selective circulation of the oil and the solution to and from the filter either separately or in selected proportions depending upon the degree of impurity of the oil to be reclaimed.

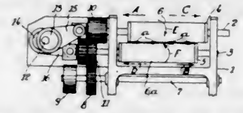
2,234,112
SELF-FEEDING DEVICE
Orpheus C. Emrick, Lynn, Ind.
Application October 30, 1937, Serial No. 172,031
4 Claims. (Cl. 119—53.5)



1. A swine feeding device comprising a body portion including a hopper, feed troughs, said hopper having discharge openings through which feed passes to the feed troughs, a shaft having offsets, mounted on the body portion, means for adjusting the shaft, agitators operating adjacent to said discharge openings controlling the passage of material through said openings, means for pivotally connecting certain of the agitators to the offsets whereby a plurality of agitators are adjusted simultaneously when the shaft is adjusted, rods mounted on the agitators and extending into the hopper and adapted to agitate material in the hopper, and means controlled by the action of animals feeding from the feed troughs, for operating the agitators.

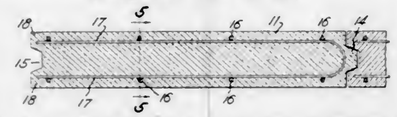
2,234,113
DEVICE FOR OBTAINING SPINNABLE FIBERS FROM FIBER-CONTAINING STRIPS OF BARK
Kurt Frische, Bensheim, Germany
Application June 30, 1939, Serial No. 282,305
In Germany January 26, 1939
1 Claim. (Cl. 19—25)

A device for obtaining spinnable fibers from fiber-containing strips of bark, comprising a frame, means on said frame for separating the woody parts from said bark, a plurality of horizontal rollers mounted on said frame and arranged in pairs one above the other, means for rotating the rollers in each pair in opposite directions, whereby the strips of bark are progressively fed between said rollers, a horizontal rotatable shaft mounted on said frame adjacent one end of said rollers and extending transversely of the latter in a plane midway the horizontal



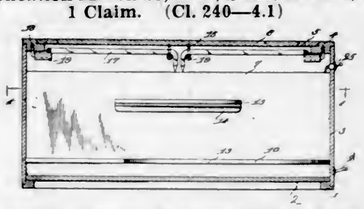
axial planes of said rollers, a plurality of pairs of cams arranged longitudinally along said shaft one for each pair of rollers, and a pair of rods connecting the cams of each pair with the related rollers for reciprocating the latter, whereby the strips of bark are twisted laterally in opposite directions while being fed longitudinally, the cams of each pair occupying opposed angular positions and the rods of each pair being connected with the related rollers at the front and rear thereof.

2,234,114
COMPOSITE CONSTRUCTION MEMBER
Charles R. Gifford, Arlington, N. J., assignor to Concrete Plank Company, Jersey City, N. J., a corporation of New Jersey
Application April 1, 1937, Serial No. 134,437
9 Claims. (Cl. 72—68)



1. A load sustaining composite member for building construction comprising a body of light-weight porous concrete having a weight not substantially greater than ninety pounds per cubic foot having a length substantially greater than its width and a width substantially greater than its thickness and a plurality of attenuated metallic element positioned by said concrete within said body and adjacent each face of said body, said metallic elements extending lengthwise of said body and the effective strength of the metallic elements adjacent each of the two faces of the member being substantially the same, whereby the member is rendered reversibly positionable.

2,234,115
SERVING CABINET
Earl M. Griggs, Prairie View, Tex.
Application March 28, 1939, Serial No. 264,615
1 Claim. (Cl. 240—4.1)



A serving cabinet of elliptical formation and comprising a base frame, a body wall and a bot-

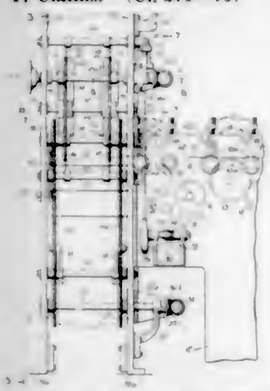
tom wall mounted on the base frame, a top wall including a frame mounted on the upper edge of the body wall and extending inwardly therefrom, the top frame being recessed to provide a seat about the inner edge thereof, a closure including a marginal translucent portion mounted on the seat and having a beveled inner edge, a mirrored portion having a beveled outer edge to fit and mounted on the beveled inner edge of the translucent portion for the latter to support the mirrored portion, an elliptical shaped neon tube, and cushioning means secured to and extending inwardly from the top frame and supporting the tube below and in close proximity to the translucent portion to follow the shape thereof.

2,234,116

APPARATUS FOR STACKING SHEETS

William F. Grupe, Lyndhurst, N. J., assignor to Champlain Corporation, a corporation of New York

Application March 12, 1938, Serial No. 195,463
17 Claims. (Cl. 271—76)



1. Apparatus for stacking sheets which are continuously delivered thereto at spaced intervals, comprising primary conveyor means adapted to carry sheet receiving means at spaced intervals along its length for receiving the sheets delivered thereto; secondary conveyor means disposed in substantial alignment with the primary conveyor means and arranged for travel along a path merging at one end into the path of travel of said primary conveyor means; means for normally actuating both of said conveyor means in the same direction and at substantially the same speed; and means associated with said secondary conveyor means for supporting sheet receiving means and feeding them into said primary conveyor means.

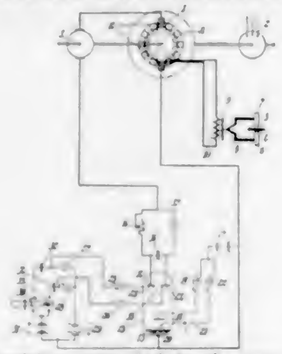
2,234,117

WELDING CONTROL SYSTEM

Gerhard Hagedorn, Berlin-Lichterfelde, Erwin Luxer, Berlin-Sudende, and Ernst-Günther Wahl, Berlin-Steglitz, Germany, assignors to Vertriebsgesellschaft des Leipziger Leichtmetallwerk m. b. H., Berlin-Lankwitz, Germany

Application June 14, 1939, Serial No. 279,218
In Germany June 18, 1938
1 Claim. (Cl. 171—119)

A welding control system comprising in combination, a welding transformer, a relatively high frequency generator supplying current to said transformer, a field winding for said generator, a source of current and a circuit for exciting said field winding, a gaseous discharge tube having a cathode and an anode connected in said circuit for controlling the excitation of said generator, a grid biasing circuit for said tube including a condenser and a switch, a second anode within said



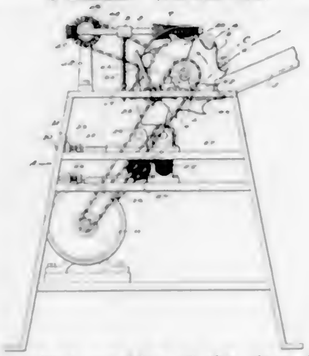
tube, a resistor connected to the second anode and said circuit, a condenser bridging said anodes, a second grid biasing circuit associated with the second anode, a condenser in said second grid circuit, and a second switch in the second grid circuit operated by said first switch.

2,234,118

CORN HUSKER

Jonas H. Hall, deceased, late of Dexter, Maine, by Francis E. Pooler, administrator, Dexter, Maine, assignor of twenty per cent to Peter J. Vincent, twenty per cent to Francis E. Pooler, twenty per cent to Fred A. Abbott, twenty per cent to Clyde F. Mower, and twenty per cent to Harry F. Wilkins, all of Dexter, Maine

Application September 19, 1939, Serial No. 295,679
3 Claims. (Cl. 146—84)



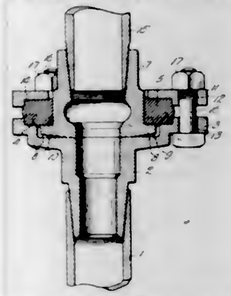
1. A husking machine of the class described comprising a frame, an inclined chute having its lower end arranged adjacent a top part of the frame, a horizontally arranged drum rotatably supported at the top of the frame and having trough-shaped parts extending longitudinally at its periphery, said trough-shaped parts picking up the ears of corn from the chute, said drums having a circumferentially extending groove therein which intersects the troughs, a stop plate located adjacent one end of the drum, means extending into a part of the groove for moving the ears of corn in the troughs to place the butt ends against said stop plate, and a knife adjacent the stop plate for cutting off the butt ends of the ears during the rotation of the drum.

2,234,119

STUFFING BOX MOUNTING

Virgil F. Halliburton, Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Application January 31, 1940, Serial No. 316,570
2 Claims. (Cl. 285—136)



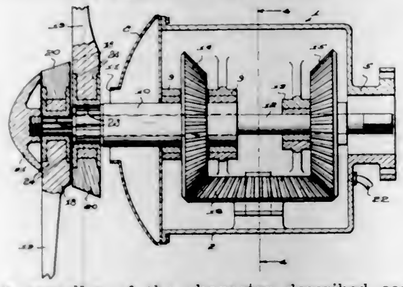
1. Means for flexibly mounting a well pump rod stuffing box on a casing or tubing comprising a first member having a stepped bore, a second member having a flange with a convex lower surface seated on a step of said bore, a resilient sealing ring carried by said second member and seating upon said flange and another step of said first member, a clamping ring partially surrounding the sealing ring and spaced from the first member by the sealing ring, and holding means connecting said clamping ring to said first member to provide for limited rocker movement of said second member on said first member.

2,234,120

PROPELLER

Elbert Hawkins, Joliet, Ill.

Application May 31, 1939, Serial No. 276,722
1 Claim. (Cl. 170—159)



A propeller of the character described comprising a hub having a substantially segmental recess in its periphery, a bushing extending centrally through the hub, integral flanges on the ends of said bushing, a single blade projecting from the hub on the diametrically opposite side thereof from the recess, and a substantially segmental counterweight mounted in the recess on the bushing and secured between the flanges, the periphery of said counterweight being flush with that of the hub.

2,234,121

SEALING STRIP AND JOINT

Henry V. Hedeen, Detroit, Mich., assignor to Divco-Twin Truck Company, Detroit, Mich., a corporation of Michigan

Application April 25, 1940, Serial No. 331,643
6 Claims. (Cl. 280—153.5)

6. An integral sealing strip of rubber or the like comprising when relaxed a laterally straight longitudinal body portion and oppositely extending flexible lateral wings projecting from a base along one edge of said body portion, a longitudinal surface groove in said base between said wings, said body portion increasing in thickness outwardly of said base to a thick edge section and then turning laterally and inwardly toward



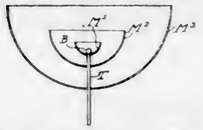
said base to provide an integral resilient panel retaining lip spaced from the adjacent side of said body portion along most of its length but terminating in a thin edge maintained against said side by the resiliency of said material so as to provide a normally closed resilient mouth at said lip, and a longitudinal weakened portion on said body portion adjacent said lip.

2,234,122

METHOD OF CONTROLLING THE TEMPERATURE OF OBJECTS

Charles M. Heck, Raleigh, N. C.

Application August 29, 1938, Serial No. 227,441
14 Claims. (Cl. 250—83)



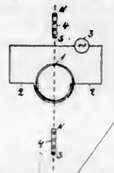
1. A method of cooling a body, which comprises directing by reflection toward a cooler space, the radiation leaving said body, and directing by reflection toward the same cooler space radiation originating in the medium which produces the first mentioned reflection.

2,234,123

ARRANGEMENT FOR MEASURING THE TERRESTRIAL MAGNETIC FIELD

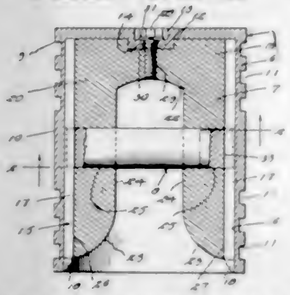
Gustaf Adolf Ising, Djursholm, Sweden, assignor to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden, a company of Sweden

Application April 14, 1938, Serial No. 202,071
In Sweden April 16, 1937
3 Claims. (Cl. 175—182)



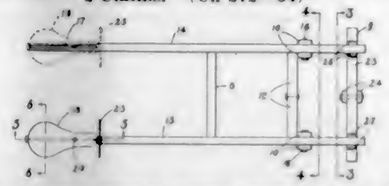
1. An arrangement for measuring variations in terrestrial magnetic field components comprising in combination, a suspended coil having a fixed axis of rotation, means for supplying alternating current to the coil, means for producing an adjustable auxiliary magnetic field in the space around the coil, and means for observing the small vibrations of the coil, remaining as a differential effect after compensating, by means of the auxiliary field, the effect of that terrestrial field component which is perpendicular to the axis of rotation and parallel to the winding plane of the suspended coil.

2,234,124
PISTON STRUCTURE
Robert G. Jones, Chattanooga, Tenn.
Application July 26, 1940, Serial No. 347,812
5 Claims. (Cl. 309—16)



1. A piston structure comprising a piston element, a carrier within and interengaging with said element, said carrier being formed with a furcation, a wrist pin mounted in the carrier, extended across the furcation and interengaging with said element, means for detachably securing said element and carrier together, and said carrier formed with oppositely disposed grooves on its outer periphery, said wrist pin formed with oppositely disposed grooves on its ends, and said element formed with oppositely disposed internal keys engaging in the grooves of the carrier and wrist pin.

2,234,125
AMUSEMENT DEVICE
Wesley Leavitt, Black's Harbour, New Brunswick, Canada
Application January 16, 1940, Serial No. 314,168
2 Claims. (Cl. 272—54)

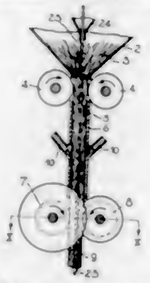


1. An amusement device comprising a base frame, lever beams fulcrumed on said frame, an upright link having one of its ends connected to said frame, a rocker arm pivotally connected to and supported from the other end of said upright link, a universal connection between the respective ends of said upright link carried rocker arm and said lever beams, whereby the tilting of one of said lever beams will cause the other lever beam to be tilted in the relative opposite direction.

2,234,126
LIGNOCELLULOSE FIBER PRODUCTS
William H. Mason, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware
No Drawing. Original application May 14, 1932, Serial No. 611,431. Divided and this application June 4, 1938, Serial No. 211,806
4 Claims. (Cl. 92—39)

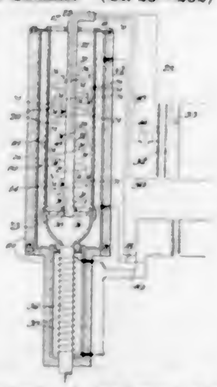
1. A hot-consolidated grainless hard-board of felted raw lignocellulose fiber containing the natural encrusting substances which can be activated to serve as binding agents upon a sheet of the fiber in initially bone-dry state being heated under compression at a temperature of about 400° F. or over, the fiber being self-bonded together in the board by said substances which have been so activated, and said consolidated board having high dry and wet strength imparted by its said bonded structure.

2,234,127
PROCESS OF MANUFACTURE OF A METALLURGICAL PRODUCT INTENDED TO BE MELTED FOR FORMING A METAL OR AN ALLOY
Robert Mantsch, Brussels, Belgium
Application December 14, 1937, Serial No. 179,788
In Germany December 24, 1936
4 Claims. (Cl. 75—0.5)



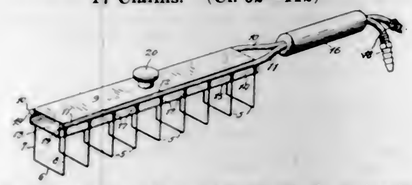
1. A process of manufacture of a metallurgical product intended to be melted for forming a metal or an alloy, comprising subjecting to a preliminary compression metallic fibres having practically the same cross-section throughout their entire length and distributed in a practically uniform manner throughout the entire length of said product, adding materials between the metallic fibres of the semi-compressed product so obtained, and passing afterwards this semi-compressed product through a press for compressing it to the final desired degree.

2,234,128
ANALYSIS OF GAS
Benjamin Miller, Richmond Hill, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application November 25, 1938, Serial No. 242,189
9 Claims. (Cl. 23—232)



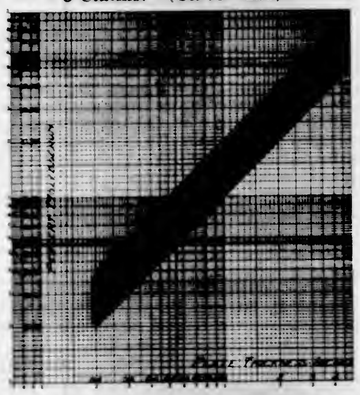
1. The method of analyzing air for small amounts of combustible which comprises, setting up a flowing stream of said air through a combustion zone, exposing one small portion of said stream to combustion reactions at a catalytically reactive metal surface while simultaneously passing another portion of said stream over a non-catalytic metal surface, preheating both the catalytic and non-catalytic metals to a predetermined temperature, preheating walls surrounding the combustion zone, preheating the air stream to approximately the temperature to which the catalyst and non-catalyst metal surfaces are preheated, and measuring any temperature differential developed between said metal surfaces as a result of combustion on the active surface.

2,234,129
ICE CUTTING DEVICE
William Carl Pfeil, Chicago, Ill.
Application August 3, 1940, Serial No. 350,907
17 Claims. (Cl. 62—112)



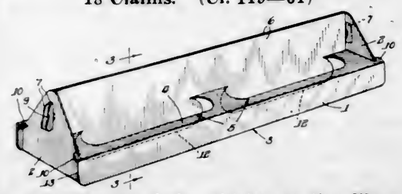
1. A hand tool for cutting a block of ice into small pieces comprising a plurality of U-shaped pipes for conducting a heating medium therethrough, said U-shaped pipes being arranged in predetermined spaced relation, inlet and outlet connections for said pipes, means for securing said pipes and said connections together to form a rigid unitary structure, and means for limiting the downward cut of each pipe into a block of ice whereby all said pipes cut into the ice a uniform distance.

2,234,130
ALLOY STEEL
Luciano G. Selmi, Detroit, and Clarence L. Altenburger, Dearborn, Mich., assignors to Great Lakes Steel Corporation, Ecorse, Mich., a corporation of Delaware
Application July 12, 1940, Serial No. 345,227
3 Claims. (Cl. 75—128)



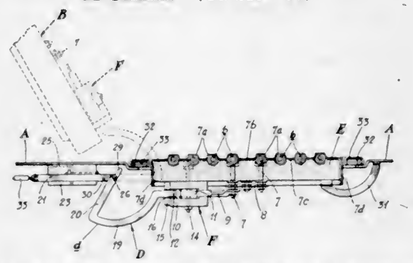
1. A low alloy, high tensile steel having properties of welding by commercial processes, deep drawing, high fatigue resistance and freedom from strain or quench aging, containing 0.05% to 0.25% carbon, 0.50% to 0.75% manganese, 0.70% to 0.90% silicon, 0.50% to 0.75% chromium, 0.10% to 0.15% zirconium, phosphorus 0.03% maximum, sulphur 0.03% maximum, from a trace of nickel up to 0.25%, 0.02% to 0.09% molybdenum, and all the remainder being iron and incidental impurities.

2,234,131
CHICK FEEDER
Louis A. Shoemaker, Carleton, Mich.
Application September 5, 1939, Serial No. 293,311
18 Claims. (Cl. 119—61)



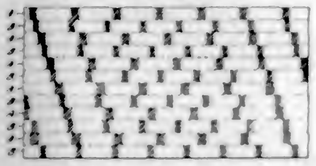
1. A feeder for baby chicks or the like, all formed from a single foldable blank, comprising a rectangular one-piece boxlike structure of substantially greater length than width, having side and top and bottom and end walls, the bottom wall extending integrally and continuously from one side wall to the other, and having a longitudinally disposed vertical panel connecting the two end walls together to serve as a tie rod between the two end walls, preventing outward displacement of the latter, and serving also as a divider of substantial height between the two opposite sides of the feeder, but with the lower edge of said divider spaced a distance above said bottom wall, and the fold lines of the end walls being in the same plane as portions of the end edges of the top wall and with portions of the end edges of the panel.

2,234,132
ELECTRIC RANGE AND HEATER
Harry G. Simpson, Los Angeles, Calif., assignor of one-fourth to Vincent C. Hickson, Los Angeles, Calif., and one-fourth to Raymond Ives Blakeslee, Pasadena, Calif.
Application May 21, 1938, Serial No. 209,308
11 Claims. (Cl. 219—37)



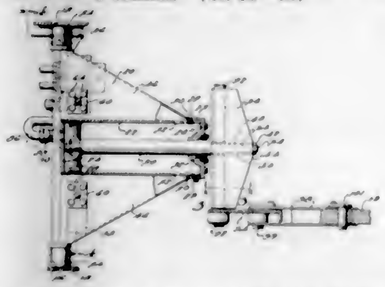
11. An electric stove including a top having an opening, an electric heating element to be disposed, when operative, substantially horizontally and within said opening, and electrically conductive means for supplying current to said heating element, said means being pivoted beneath the stove top and having the heating element mounted thereon and being swingable through the opening in the stove top to permit the heating element to be raised relative to the stove top, said means constituting the sole electrical paths for said heating element and being sufficiently inherently rigid to constitute the sole support for the heating element in its raised position.

2,234,133
MANUFACTURE OF PRINTING PLATES
Morris Sorkin, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application October 4, 1940, Serial No. 359,644
4 Claims. (Cl. 41—17)



1. A contrast image consisting of rows of elements in each of which elements the ratio of black area to white area corresponds to the value of the tone of the corresponding area of an original, the lengths of the elements representing each tone being different in adjacent rows.

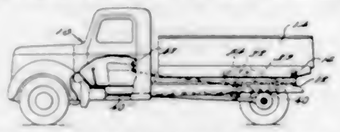
2,234,134
HYDRAULIC HOIST
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application December 8, 1939, Serial No. 308,304
4 Claims. (Cl. 60—52)



1. In a truck body hoisting mechanism, an hydraulic cylinder having a base end and a cap end, a piston and piston rod reciprocably mounted therein with said rod extending through said cap end, side members generally triangular in shape extending longitudinally of said cylinder and fixed to the outside thereof forming reservoir chambers, the bases of said side members being disposed adjacent the base end of said cylinder with the apex of said side members disposed adjacent said cap end, means communicating said chambers with the interior of said cylinder, and aligned pivotal mounting means connected to said side members adjacent the base end of said cylinder.

2,234,135
HYDRAULIC HOISTING MECHANISM
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application April 22, 1940, Serial No. 330,916
9 Claims. (Cl. 298—22)

1. Apparatus for tilting the body of a dump truck comprising, in combination, a truck chassis, a tiltable body, means pivotally connecting said body to said chassis, a hoisting device having one end pivotally connected to said chassis and including a reciprocable power driven element, and means connecting said element with said body, said last-named means including leverage means pivotally connected to said chassis, linkage means pivotally connected to said body, means pivotally connecting said linkage means and said leverage means together, and means pivotally connecting said element to said leverage means, the arrangement of said element, said



leverage means, said linkage means and their respective pivotal connections with each other and with the point of pivotal connection of said body with the chassis being such that the power stroke of said element is away from the point of pivotal connection of said body with said chassis and is above the point of pivotal connection of said leverage means with said chassis.

2,234,136
TRIMMING STRIP CORE AND THE LIKE
Glen G. Barr, Union City, Ind., assignor to Backstay Welt Company, Union City, Ind., a corporation of Indiana
Application November 10, 1938, Serial No. 239,888
6 Claims. (Cl. 154—43)



1. A compact, contoured, laminated body of strip form comprising a plurality of groups of laminae, each group consisting successively of a sheet of crepe paper, relatively inelastic asphaltic adhesive, another sheet of crepe paper, and an exceedingly thin film of elastic adhesive, assembled compactly together in said order, the crepings of the crepe paper extending obliquely across each sheet thereof in two sets of lines of generally parallel crepings, the lines of each set making substantially the same oblique angle with the edge of the sheet and crossing the lines of the other set at an angle, and the elastic adhesive laminae lying substantially wholly on the surface of the paper of adjacent groups without penetrating the paper more than microscopically, whereby the crepings of the constituent paper sheets remain substantially unimpaired in the body, and all of said plurality of laminae being compressed compactly together, said laminated body possessing the ability to be curved laterally with little tendency toward distortion.

2,234,137
CHILD'S RATTLE
Frank M. Hoover, Youngstown, Ohio
Application August 2, 1939, Serial No. 287,943
1 Claim. (Cl. 46—193)

A child's rattle comprising a plurality of resonant disks strung loosely upon a flexible strand-like carrier, each disk including adjacent to its rim a perforation through which in the assembly the carrier extends, the disk carrying an outstanding flange at the rim of the perforation, the body of the disk bearing on one side a design that rises in relief and including in

substantially corresponding position on the opposite side a recess, whereby, when the rattle is

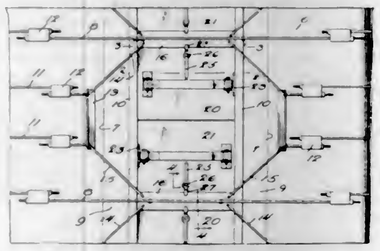


agitated, the disks clash under momentum at points of contact with maximum resonance.

2,234,138
TREATMENT OF ANIMAL FUR
Wolf Kritchevsky, Chicago, Ill., assignor, by mesne assignments, to George W. Benz, St. Paul, Minn.
No Drawing. Application February 19, 1937, Serial No. 126,642
5 Claims. (Cl. 149—28)

1. The process of treating animal furs, particularly sheepskin, which have been dyed with dyestuffs containing a reactive amine group which comprises subjecting said dyed furs to the action of an aldehyde having the property of reacting with said group to produce a substantially water-insoluble compound, whereby the tendency of the hair or wool on said furs to curl due to exposure to moisture is substantially retarded.

2,234,139
SILO CONSTRUCTION
Adam H. Martin and Benjamin H. Martin, Terre Hill, Pa.
Application February 5, 1940, Serial No. 317,424
12 Claims. (Cl. 20—1.4)

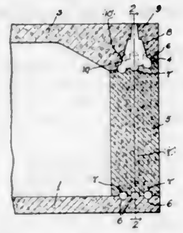


1. A building unit for silo construction comprising a rectangular frame having a plurality of doors mounted therein hinged alternately to swing in opposite directions, hinge members constituting steps and extending substantially across the face of the unit, a hinge support on the frame for one end of each of said steps, the hinge supports being on opposite sides of the frame, a pivot mounted on each door for the opposite end of its step, and locking means carried by each door adapted to coact with the frame whereby when both doors are opened the entire frame is unobstructed.

2,234,140
WETTING AGENT IN CYANIDATION
Stuart A. Falconer, Old Greenwich, and Robert B. Booth, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 21, 1939, Serial No. 280,350
7 Claims. (Cl. 75—105)

1. A process of cyaniding auriferous material which comprises carrying out the cyanidation in the presence of a wetting agent included in the group consisting of sulfated high molecular alcohols, sulfonated esters of higher alcohols and dibasic acids, and alkylated aryl sulfonates.

2,234,141
BURIAL VAULT
Frank Holz, Cleveland, Ohio, assignor to Norborn S. Holz, Cleveland, Ohio
Application September 27, 1938, Serial No. 231,895
9 Claims. (Cl. 72—7)

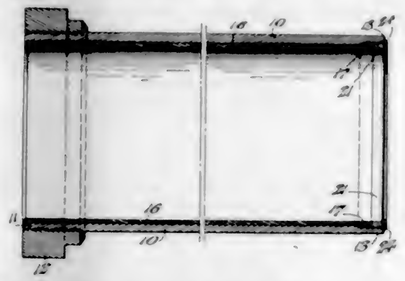


1. In a burial vault having a door frame and a door, a continuous groove in said frame, a continuous groove in said door, one of said grooves registering with the other to form a passage, other passages extending through the wall of said vault, said other passages forming longitudinal extensions of portions of said grooves, the cross sectional dimensions of said other passages being equal to the combined cross sectional dimensions of the grooves of which they form extensions, locking pins fitting snugly into said other passages and into said portions of said grooves, said pins having cross sectional dimensions similar to but slightly less than said first named cross sectional dimensions, an opening from the exterior of said vault communicating with said grooves, and a sealing compound filling that part of said grooves which is not occupied by said pins.

2,234,142
PUMP LINER
Walter T. Janney and Maximillian H. Sorensen, Philadelphia, Pa., assignors to Janney Cylinder Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 27, 1937, Serial No. 155,936
4 Claims. (Cl. 309—3)

1. A compound liner comprising a shell of material of high tensile strength and elongation having a counterbore, a sleeve shorter than said shell and of high resistance to abrasion having a shouldered head of a diameter to seat in the counterbore, said sleeve telescoping with said shell to bring said shoulder against the end of the counterbore and forming an annular space at the outer end of said counterbore, a ring in said annular space in substantial abutment with the end of said sleeve, said ring having the same internal and external diameter as the shouldered

head and of a length such as substantially to fill the space to the end of the shell, and means



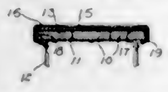
anchoring the ring and shell together to prevent relative axial movement in the other direction.

2,234,143

FOIL SHEATHING FOR WOODEN IRONING BOARDS

Udo K. Johannsen, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York

Application April 21, 1939, Serial No. 269,148
4 Claims. (Cl. 38—137)



1. A laundry appliance comprising an upturned initially flat faced ironing board of grained natural wood liable to depreciate from progressive cupping when dampened articles are repeatedly ironed on said face, and a compensating shield of impervious metallic foil positively affixed to opposed relatively spreadable board edge regions and spanningly extending therebetween as a moisture barrier that protects the covered board face portion against cupping, said shield being subject to a non-set wrinkled collapse by a contraction of the board edges and which wrinkles become distended when said board edges spread apart.

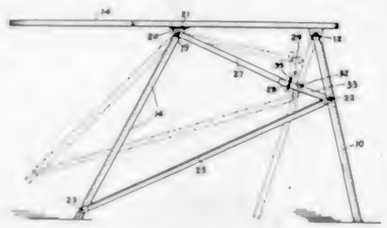
2,234,144

COLLAPSIBLE IRONING TABLE

Udo K. Johannsen, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York

Application October 12, 1939, Serial No. 299,056
2 Claims. (Cl. 38—117)

1. In a collapsible ironing table of the tripod leg type or the like adapted to be automatically unfolded into erected position, a top board, a pair of rear legs having corresponding ends pivotally attached to the bottom face of said board, a rigid front leg having one end attached to said face by board pivot means in a forward relation to the rear leg pivots, a toe pivot located adjacent the floor contacting region of said front leg, an intermediate pivot for each such rear leg, a pair of tie rods respectively interconnecting the toe pivot with said intermediate pivots, a pair of sectionalized brace links respectively interconnecting the intermediate pivots with said board by pintles located adjacent the board pivot means, each such brace link comprising a forward section that between the ends thereof is toggle jointed to a flat sided rearward section to provide for a link projection, and a grippable cross piece fixedly bridging the respective tip regions of such link projections, one terminal of said cross piece being equipped with an over-



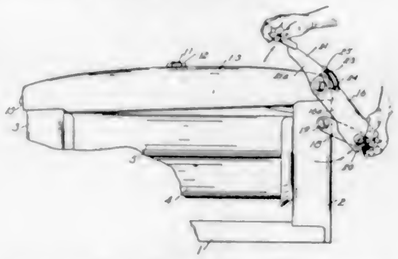
hanging hook-shaped stop element and a cooperating cam edge arranged in erected leg position to respectively engage opposite sides of a contiguous rearward link section.

2,234,145

POWER WRINGER AND THE LIKE

Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application May 13, 1938, Serial No. 207,705
4 Claims. (Cl. 68—263)



1. In a wringer having a frame, rolls mounted in the frame, a movable top bar for the frame, pressure means exerting pressure from the top bar on the rolls, and a toggle connection between the frame and top bar, the links of the toggle swinging on axes extending from front to rear of the wringer, the toggle when set holding the top bar in position to set the pressure on the rolls and releasing the top bar when the toggle is broken, the combination with the toggle and top bar, of means actuating the toggle comprising a lever having a lost motion connection with a link of the toggle and swinging therewith in the plane of the axes of the rolls to actuate the toggle, said lever in set position extending over and lengthwise along the top bar and movable downward toward the top bar to release the toggle.

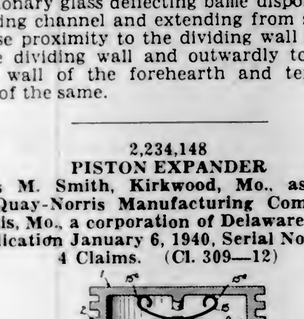
2,234,146

KNITTED ARTICLE AND METHOD OF MAKING THE SAME

Paul Krenkel, Philadelphia, Pa.; Elizabeth Klara Krenkel, executrix of Paul Krenkel, deceased, assignor to Heel-In-Heel Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Original application December 5, 1932, Serial No. 645,664. Divided and this application May 23, 1933, Serial No. 672,470
20 Claims. (Cl. 66—178)

10. A knitted fabric having reenforced selvages and composed of three threads each of which extends the full width of the fabric in every third



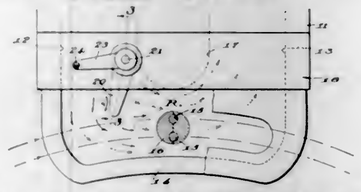
course only and across a selvage only in the two intervening courses.

2,234,147

APPARATUS FOR CONDITIONING MOLTEN GLASS

Clarence C. Kinker, Montreal, Quebec, Canada, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application October 7, 1938, Serial No. 233,841
5 Claims. (Cl. 49—56)



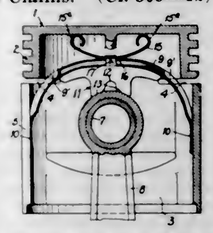
1. In combination, a furnace provided with an opening in its front wall, a forehearth extending forwardly of the furnace and communicating with the furnace through the opening, a wall dividing the opening into incoming and return channels leading to and from the forehearth, and a stationary glass deflecting baffle disposed in the incoming channel and extending from a position in close proximity to the dividing wall forwardly of the dividing wall and outwardly toward the outer wall of the forehearth and terminating short of the same.

2,234,148

PISTON EXPANDER

Dallas M. Smith, Kirkwood, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware

Application January 6, 1940, Serial No. 312,754
4 Claims. (Cl. 309—12)



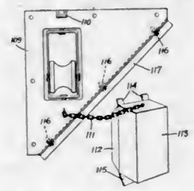
1. A piston expander comprising a member arranged to engage and expand the skirt of a piston, a pair of parts carried by said member and positioned to engage the interior of the piston at opposed points, and a spring loosely mounted on said expander to engage the head of said piston at spaced points and to exert a tension to hold said parts firmly at their place of engagement, said spring being arranged so as to exert a uniform pressure on all portions of said piston head in engagement therewith for any position assumed by said member.

2,234,149

HOSE HANDLING AND STORAGE APPARATUS

George F. Stewart, Scotia, N. Y.

Application December 19, 1938, Serial No. 246,659
1 Claim. (Cl. 242—157)



An improved garden hose handling mechanism for installation on the cellar window sash or cellar window screen frames of existing building structures comprising, in combination, a plate in the shape of a rght-angled triangle whose two sides which form the right angle thereof are shorter than the shortest dimension of standard cellar window sash and cellar window screen frames, means for fastening said plate to a cellar window sash or cellar window screen frame with the right angle thereof fitted into a corner of the sash or frame, the hypotenuse of said plate having an inwardly extending flange, an angle bar of substantially the same length as said hypotenuse, means for adjustably fastening one side of said angle bar to said flange so that the other side of said angle bar will support window glass in sash of varying thickness when said mechanism is mounted on a cellar window sash and so that window screening can be clamped between said flange and said bar when said mechanism is mounted on a cellar window screen frame, an opening in said plate, a frame fitted in said opening, means for pivotally mounting said frame in said opening, a grooved roller mounted in said frame for rotation on an axis which is perpendicular to the axis on which said frame is pivotally mounted, and a movable cover for the opening in said plate.

2,234,150

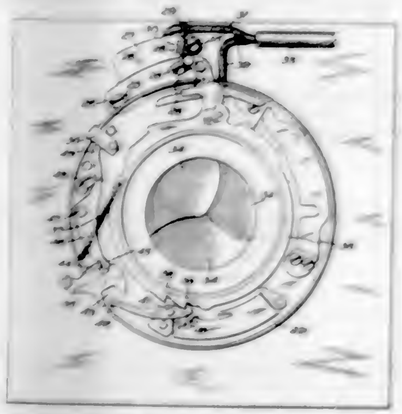
PHOTOFLASH SYNCHRONIZER FOR CAMERAS

Clarence H. Van Duser, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application September 14, 1939, Serial No. 294,892
10 Claims. (Cl. 67—29)

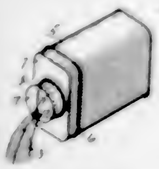
1. As a new article of manufacture and sale for use with photographic cameras, a between-the-lens shutter having provisions for electrical connections to a photoflash bulb, a lens board or support for said shutter adapted for ready application to a camera, a movable shutter setting and actuating member having a contact in circuit with said electrical connections to the photoflash bulb, another contact also in circuit with said electrical connections and carried upon the stationary part adjacent to said movable shutter setting and actuating member, holding and re-

leasing means for said member, said member having two formations cooperating with said holding and releasing means, one of which formations is the usual holding formation and the other of which, being a special formation, is positioned to provide throw-lengthening means for lengthening



the actuating movement of said member, and causing the initiation of said actuating movement to begin prior to the start of shutter opening, so that the meeting of said contacts occurs at a distinct or definite time interval prior to the start of movement of the shutter in and for the purpose of opening.

2,234,151
DISPENSING DEVICE
Philip K. Williams, Glastonbury, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut
Application January 22, 1940, Serial No. 315,043
3 Claims. (Cl. 221—61)

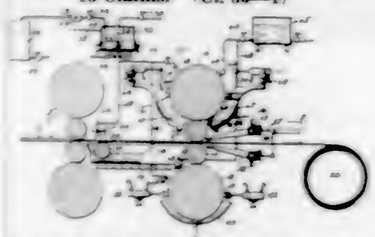


2. A dispensing device including a body closed at one end to provide a chamber therein, a neck extending from the end of said chamber at substantially the central portion thereof forming an outlet chamber, and a slot opening into said outlet chamber, said slot extending lengthwise centrally substantially across said closed end and being divided into two parts each of which is of uniform width different from the width of the other and extending from one end a substantial distance toward the lengthwise center of the slot thereby providing for the graduated discharge of the contents of the device in different amounts from the two parts of the slot at opposite sides thereof by positioning the device with a side in line with the slot downwardly whereby outflow of material from that part of the slot which is lowest will take place.

2,234,152
COATED MOLD AND METHOD OF COATING THE SAME
Robert S. Archer, South Chicago, Ill., assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
No Drawing. Application August 3, 1940, Serial No. 351,136
5 Claims. (Cl. 22—189)

1. The method of coating a metal mold, in which a high melting point metal is to be cast, which includes the step of bringing into contact with inner surfaces of the heated mold a finely divided, solid carbohydrate having a melting point lower than the temperature of the mold walls and thereby forming an adherent coating on the inner surfaces of the mold walls consisting of a carbohydrate.

2,234,153
METHOD AND APPARATUS FOR MANUFACTURING METALLIC STRIP
Clarence George Herbert, Cleveland, Ohio, assignor to United Engineering and Foundry Company, Pittsburgh, Pa.
Application February 16, 1939, Serial No. 256,711
16 Claims. (Cl. 80—1)



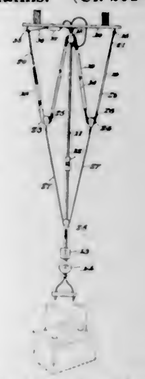
1. The method of cleaning metal sheets comprising applying a cleansing liquid to the surfaces of a sheet during cold rolling thereof and before they enter the last stand of the rolling mill, wiping the rolls of said stand to remove from their surfaces undissolved contaminating matter received by them from the sheet, and removing from the sheet as it leaves said stand substantially all of the foreign matter adhering thereto.

2,234,154
BOILER TUBE CAP
William L. Bliss, Niagara Falls, N. Y., assignor to USL Battery Corporation, Niagara Falls, N. Y., a corporation of New York
Application August 10, 1935, Serial No. 35,658
1 Claim. (Cl. 220—25)



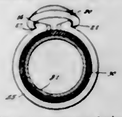
A circular plug for use in a boiler header having a circular opening to be closed, said plug comprising a body portion adapted to pass into the opening, a peripheral seat on said body portion adapted to contact the inner side of the header adjacent the opening, a spider having a plurality of legs adapted to contact the header at the rear side of the opening, a bolt affixed to said body portion and extending through said spider for drawing said seat into tight contact with the header, and a key having a portion parallel to said bolt fixed to said bolt and extending within its parallel portion between two adjacent legs of said spider to prevent the turning of the plug with respect to said spider during the setting or removal thereof.

2,234,155
RHEOSTAT
William L. Bliss, Niagara Falls, N. Y., assignor to USL Battery Corporation, Niagara Falls, N. Y., a corporation of New York
Application January 21, 1938, Serial No. 186,210
2 Claims. (Cl. 201—48)



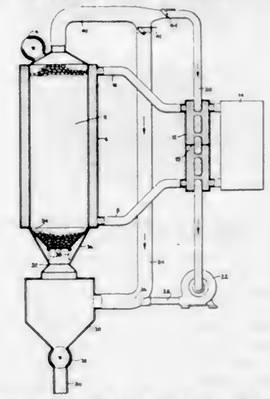
1. In a device of the class described, a support, a relatively long flexible resistance suspended by its ends from spaced points in said support, said resistance being helical in form and adapted to be longitudinally resilient, a grooved contact member cooperating with the resistance at predetermined points along its length, a flexible cord-like member movable about a point spaced from the contact member and having its ends cooperating with the resistance adjacent the sides of the contact member, said cord-like member under manual manipulation being adapted to change the position of the resistance with relation to the contact member and to maintain the resistance under longitudinal tension so as to bear firmly against the contact member to give a good contactual relation therebetween, and an electrical circuit between one end of the resistance and the contact member.

2,234,156
CLAMP
William K. Creson, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a corporation of Indiana
Application March 4, 1940, Serial No. 322,255
3 Claims. (Cl. 24—25)



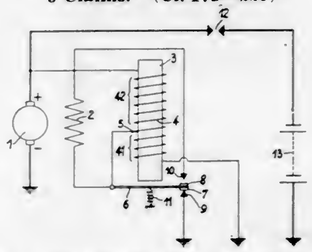
2. A clamp-collar, comprising a strap in circular form and having non-parallel ends disposed in circumferentially spaced relation, a rib extending across each end of the strap and exteriorly thereof, said ribs being respectively provided in their remote faces with grooves the bottoms of which diverge axially, and a clamping member having a general arch-shape in cross-section and possessing side edges which extend inwardly to form lips receivable respectively in said grooves, said lips diverging complementarily to the bottoms of said grooves, the intermediate portion of said arch-shaped clamping member being spaced outwardly from said ribs, whereby the intermediate portion of said arch-shaped clamping member may be flattened by the application of an inwardly directed force to spread said lips apart and release the clamp.

2,234,157
NUT CRACKING
Karl M. Jones, Montclair, N. J.
Application August 7, 1937, Serial No. 157,869
26 Claims. (Cl. 146—9)



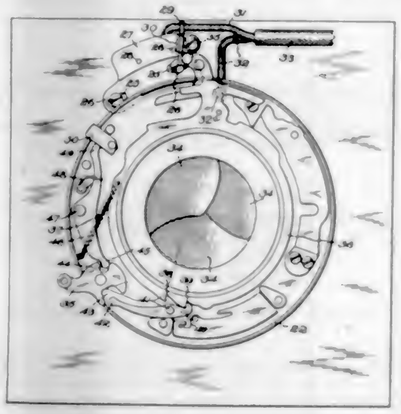
1. The process of extracting the kernels from substantially impenetrable palm nuts of the cohune variety comprising conditioning the nuts by cooling said nuts to a sufficient temperature below 32° F. and for a sufficient length of time to embrittle the shells and make them frangible, shattering the frangible shells and separating the kernels from the broken shells.

2,234,158
ELECTROMAGNETIC REGULATOR
Friedrich Menzel, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application April 15, 1939, Serial No. 268,115
In Germany April 22, 1938
3 Claims. (Cl. 171—229)



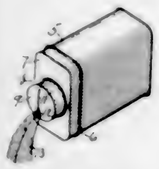
1. The combination, with a dynamo-electric machine, having an exciting winding, for electric installations on vehicles, of an electromagnetic regulator comprising a magnet core, a voltage coil wound about said magnet core and acting wholly in the same direction of magnetization, an armature, a contact operated by said armature, a fixed contact in the electric circuit of said machine for engagement with the

leasing means for said member, said member having two formations cooperating with said holding and releasing means, one of which formations is the usual holding formation and the other of which, being a special formation, is positioned to provide throw-lengthening means for lengthening



the actuating movement of said member, and causing the initiation of said actuating movement to begin prior to the start of shutter opening, so that the meeting of said contacts occurs at a distinct or definite time interval prior to the start of movement of the shutter in and for the purpose of opening.

2,234,151
DISPENSING DEVICE
Philip K. Williams, Glastonbury, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut
Application January 22, 1940, Serial No. 315,043
3 Claims. (Cl. 221—61)

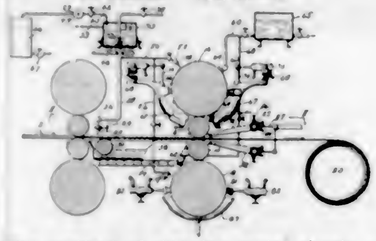


2. A dispensing device including a body closed at one end to provide a chamber therein, a neck extending from the end of said chamber at substantially the central portion thereof forming an outlet chamber, and a slot opening into said outlet chamber, said slot extending lengthwise centrally substantially across said closed end and being divided into two parts each of which is of uniform width different from the width of the other and extending from one end a substantial distance toward the lengthwise center of the slot thereby providing for the graduated discharge of the contents of the device in different amounts from the two parts of the slot at opposite sides thereof by positioning the device with a side in line with the slot downwardly whereby outflow of material from that part of the slot which is lowest will take place.

2,234,152
COATED MOLD AND METHOD OF COATING THE SAME
Robert S. Archer, South Chicago, Ill., assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
No Drawing. Application August 3, 1940, Serial No. 351,136
5 Claims. (Cl. 22—189)

1. The method of coating a metal mold, in which a high melting point metal is to be cast, which includes the step of bringing into contact with inner surfaces of the heated mold a finely divided, solid carbohydrate having a melting point lower than the temperature of the mold walls and thereby forming an adherent coating on the inner surfaces of the mold walls consisting of a carbohydrate.

2,234,153
METHOD AND APPARATUS FOR MANUFACTURING METALLIC STRIP
Clarence George Herbert, Cleveland, Ohio, assignor to United Engineering and Foundry Company, Pittsburgh, Pa.
Application February 16, 1939, Serial No. 256,711
16 Claims. (Cl. 80—1)



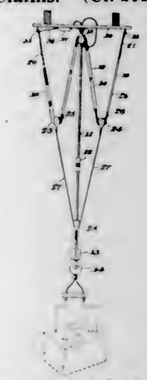
1. The method of cleaning metal sheets comprising applying a cleansing liquid to the surfaces of a sheet during cold rolling thereof and before they enter the last stand of the rolling mill, wiping the rolls of said stand to remove from their surfaces undissolved contaminating matter received by them from the sheet, and removing from the sheet as it leaves said stand substantially all of the foreign matter adhering thereto.

2,234,154
BOILER TUBE CAP
William L. Bliss, Niagara Falls, N. Y., assignor to USL Battery Corporation, Niagara Falls, N. Y., a corporation of New York
Application August 10, 1935, Serial No. 35,658
1 Claim. (Cl. 220—25)



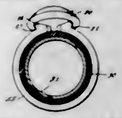
A circular plug for use in a boiler header having a circular opening to be closed, said plug comprising a body portion adapted to pass into the opening, a peripheral seat on said body portion adapted to contact the inner side of the header adjacent the opening, a spider having a plurality of legs adapted to contact the header at the rear side of the opening, a bolt affixed to said body portion and extending through said spider for drawing said seat into tight contact with the header, and a key having a portion parallel to said bolt fixed to said bolt and extending within its parallel portion between two adjacent legs of said spider to prevent the turning of the plug with respect to said spider during the setting or removal thereof.

2,234,155
RHEOSTAT
William L. Bliss, Niagara Falls, N. Y., assignor to USL Battery Corporation, Niagara Falls, N. Y., a corporation of New York
Application January 21, 1938, Serial No. 186,210
2 Claims. (Cl. 201—48)



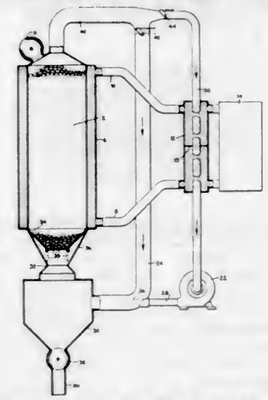
1. In a device of the class described, a support, a relatively long flexible resistance suspended by its ends from spaced points in said support, said resistance being helical in form and adapted to be longitudinally resilient, a grooved contact member cooperating with the resistance at predetermined points along its length, a flexible cord-like member movable about a point spaced from the contact member and having its ends cooperating with the resistance adjacent the sides of the contact member, said cord-like member under manual manipulation being adapted to change the position of the resistance with relation to the contact member and to maintain the resistance under longitudinal tension so as to bear firmly against the contact member to give a good contactual relation therebetween, and an electrical circuit between one end of the resistance and the contact member.

2,234,156
CLAMP
William K. Creson, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a corporation of Indiana
Application March 4, 1940, Serial No. 322,255
3 Claims. (Cl. 24—25)



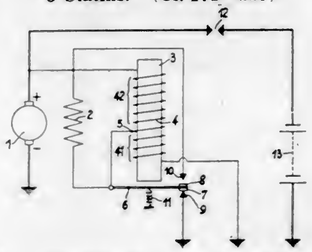
2. A clamp-collar, comprising a strap in circular form and having non-parallel ends disposed in circumferentially spaced relation, a rib extending across each end of the strap and exteriorly thereof, said ribs being respectively provided in their remote faces with grooves the bottoms of which diverge axially, and a clamping member having a general arch-shape in cross-section and possessing side edges which extend inwardly to form lips receivable respectively in said grooves, said lips diverging complementarily to the bottoms of said grooves, the intermediate portion of said arch-shaped clamping member being spaced outwardly from said ribs, whereby the intermediate portion of said arch-shaped clamping member may be flattened by the application of an inwardly directed force to spread said lips apart and release the clamp.

2,234,157
NUT CRACKING
Karl M. Jones, Montclair, N. J.
Application August 7, 1937, Serial No. 157,869
26 Claims. (Cl. 146—9)



1. The process of extracting the kernels from substantially impenetrable palm nuts of the cohune variety comprising conditioning the nuts by cooling said nuts to a sufficient temperature below 32° F. and for a sufficient length of time to embrittle the shells and make them frangible, shattering the frangible shells and separating the kernels from the broken shells.

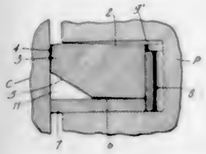
2,234,158
ELECTROMAGNETIC REGULATOR
Friedrich Menzel, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application April 15, 1939, Serial No. 268,115
In Germany April 22, 1938
3 Claims. (Cl. 171—229)



1. The combination, with a dynamo-electric machine, having an exciting winding, for electric installations on vehicles, of an electromagnetic regulator comprising a magnet core, a voltage coil wound about said magnet core and acting wholly in the same direction of magnetization, an armature, a contact operated by said armature, a fixed contact in the electric circuit of said machine for engagement with the

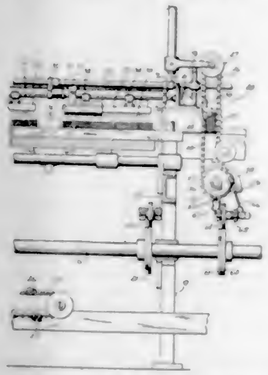
contact operated by said armature, and a conductor lead extending from said exciting winding and the contact operated by said armature to a point of said voltage coil intermediate the ends thereof to divide said coil into two component parts, one of which component parts operates as a resistance switchable periodically in series with said exciting winding by said contacts.

2,234,159
PISTON RING
Charles A. Marien, St. Louis, Mo., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application April 6, 1939, Serial No. 266,251
3 Claims. (Cl. 309—44)



1. A piston ring assembly comprising a relatively wide split ring member and a relatively thin split annular segment in juxtaposition therewith, said ring member having oppositely disposed flat side surfaces, a cylinder contacting surface, and a bevel surface intersecting the cylinder contacting surface and the lower side surface, and said annular segment lying contiguous to the lower side surface of the ring member and being of greater radial depth than the radial depth of the lower side surface of the wide ring member to form an oil channel with said bevel surface.

2,234,160
FULL-FASHIONED KNITTING MACHINE
John D. Moyer, Milwaukee, Wis., assignor to Holeproof Hosiery Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 26, 1939, Serial No. 310,939
12 Claims. (Cl. 66—96)



1. A full-fashioned knitting machine of the character described having spring-beard needles, needle cooperating elements, cam means for actuating said needles and said cooperating elements and including a cam shaft supported for rotation and for longitudinal shifting movement, narrowing mechanism including a dipping frame, narrowing-chain controlled cam means for shifting said cam shaft longitudinally, cam-operated link and lever means between said cam shaft and said dipping frame effective, when the cam shaft has been shifted longitudinally in one direction, to raise and lower the dipping frame, a picot bar carried by the dipping frame and raised and lowered thereby and having a plurality of transfer points for transferring stitches from certain needles to other needles, separate pattern mechanism cooperable with the picot bar for shifting the same laterally and including a slide shiftable laterally and interconnected with the picot bar to control the lateral position thereof, a pattern chain having lugs of different sizes for imparting movements of different amplitude to the slide as the pattern chain is advanced, a step-by-step motion mechanism for advancing the chain, cam-operated means effective to actuate the step-by-step motion mechanism from the cam shaft when the cam shaft has been shifted longitudinally in the aforesaid one direction, and a drop-stitch bar also carried by the dipping frame and raised and lowered thereby and manually shiftable into and out of operative position, said drop-stitch bar having drop-stitch points to close the beards of the needles with which they are engaged when the dipping frame is lowered and allow stitches on such needles to ride thereoff under the influence of said needle cooperating elements, said drop-stitch points terminating short of the points on the needles where they would be effective to pick up stitches therefrom.

2,234,161
WINDSHIELD WIPER
Richard A. Anderson and John E. Reeve, Duluth, Minn.
Application March 20, 1939, Serial No. 262,871
1 Claim. (Cl. 15—250.5)



A windshield wiper comprising a hollow split member having closed ends defining a principal chamber, a hollow flexible wiping member extending from said first mentioned member and having unobstructed communication with said chamber, the entire length thereof, said wiping member being open longitudinally of one wall thereof forming two spaced wedge shaped walls for holding engagement within the split portion of said first mentioned hollow member, a pervious spacer element intermediate of said wedge shaped walls, and heating means within said principal chamber.

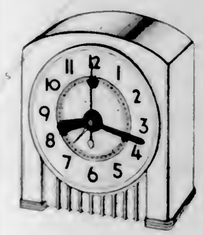
DESIGNS
MARCH 4, 1941

125,556
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Philip Aronov, Los Angeles, Calif.
Application November 24, 1939, Serial No. 88,448
Term of patent 3½ years



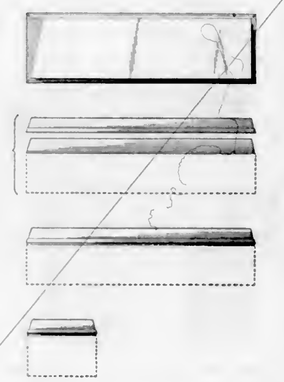
The ornamental design for a shoe or similar article, substantially as shown and described.

125,557
DESIGN FOR A CLOCK CASE
Jacques M. Bars, Great Neck, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1940, Serial No. 97,739
Term of patent 7 years



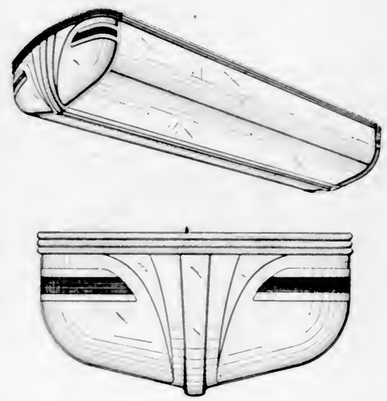
The ornamental design for a clock case, as shown.

125,558
DESIGN FOR A CASKET OR ANALOGOUS ARTICLE
John A. Bertelsen, Los Angeles, Calif.
Application October 8, 1940, Serial No. 95,692
Term of patent 14 years



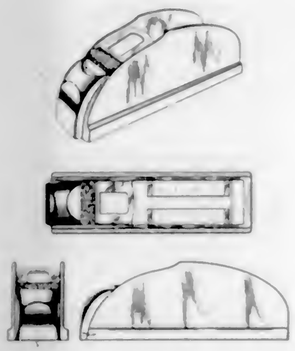
The ornamental design for a casket or analogous article, substantially as shown.

125,559
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application December 14, 1940, Serial No. 97,302
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, as shown.

125,560
DESIGN FOR A GUMMED TAPE DISPENSER
Lyle A. Cheney, Minneapolis, Minn.
Application May 31, 1940, Serial No. 92,700
Term of patent 7 years



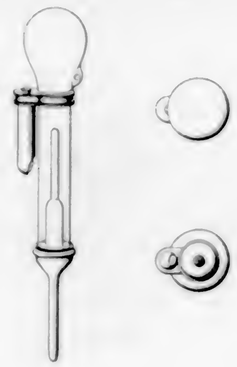
The ornamental design for a gummed tape dispenser, as shown.

125,561
DESIGN FOR A COMBINED VEHICLE LAMP AND BRACKET THEREFOR
Raymond A. Donnelly, Newark, N. J.
Application June 1, 1940, Serial No. 92,736
Term of patent 7 years



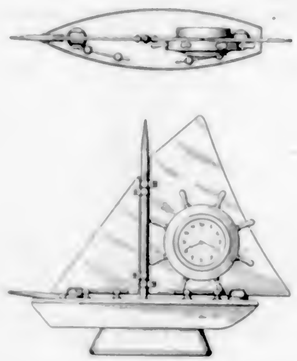
The ornamental design for a combined vehicle lamp and bracket therefor, as shown and described.

125,562
DESIGN FOR A SYRINGE THERMOHYDROMETER OR THE LIKE
Leo Edelmann, Chicago, Ill.
Application May 23, 1940, Serial No. 92,550
Term of patent 14 years



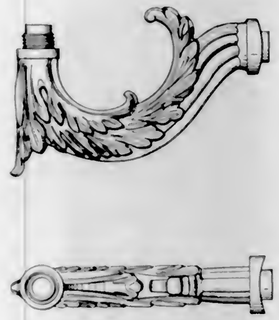
The ornamental design for a syringe thermohydrometer or the like, as shown.

125,563
DESIGN FOR AN ELECTRIC CLOCK
Louis Eickemeyer, Jersey City, N. J., assignor to Joseph Gottlieb, Jersey City, N. J.
Application December 24, 1940, Serial No. 97,594
Term of patent 7 years



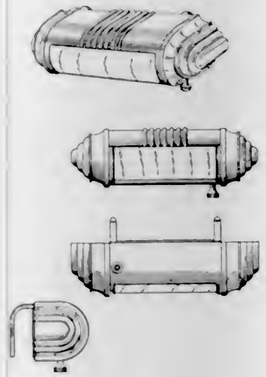
The ornamental design for an electric clock, as shown.

125,564
DESIGN FOR A FIXTURE ARM
Edwin J. Elting, Chicago, Ill.
Application January 17, 1941, Serial No. 98,150
Term of patent 3½ years



The ornamental design for a fixture arm, as shown.

125,565
DESIGN FOR A BED LAMP
Jack Galter, Chicago, Ill.
Application January 13, 1941, Serial No. 98,010
Term of patent 7 years



The ornamental design for a bed lamp, substantially as shown.

125,566
DESIGN FOR A FOOT COVERING
Donald C. Goulding, Worcester, Mass., assignor to Handymit Manufacturing Company, Worcester, Mass., a partnership composed of Francis Cobb and Donald C. Goulding
Application September 9, 1940, Serial No. 94,902
Term of patent 7 years



The ornamental design for a foot covering, substantially as shown.

125,567
DESIGN FOR A BOTTLE
George Grunberg, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio, a corporation of Ohio
Application January 13, 1941, Serial No. 98,009
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

125,568
DESIGN FOR AN OVERSHOE OR SIMILAR WATERPROOF ARTICLE
John E. Hard, Cranston, R. I., assignor to Goodyear Footwear Corporation, Providence, R. I., a corporation of Delaware
Application June 27, 1940, Serial No. 93,289
Term of patent 14 years



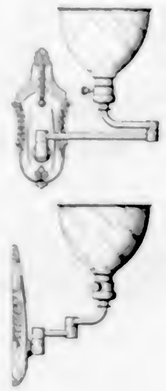
The ornamental design for an overshoe or similar waterproof article, substantially as shown.

125,569
DESIGN FOR A TOY RATTLE
Frank M. Hoover, Youngstown, Ohio
Application October 5, 1940, Serial No. 95,659
Term of patent 14 years



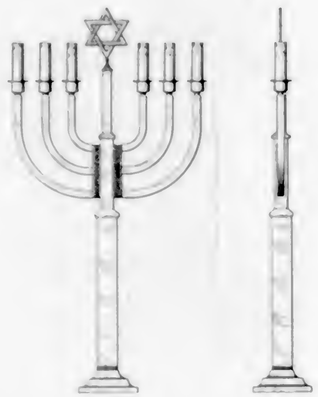
The ornamental design for a toy rattle, substantially as shown and described.

125,570
DESIGN FOR A COMBINED ADJUSTABLE LAMP AND SUPPORT THEREFOR
Maurice K. Kaplan, Chicago, Ill., assignor to Nellie J. Kaplan Company, Inc., a corporation of Illinois
Application April 1, 1940, Serial No. 91,406
Term of patent 3½ years



The ornamental design for a combined adjustable lamp and support therefor, as shown.

125,571
DESIGN FOR A CANDELABRUM
Abraham Kessler, New York, N. Y.
Application January 10, 1941, Serial No. 97,949
Term of patent 3½ years



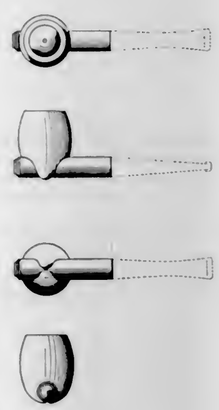
The ornamental design for a candelabrum, substantially as shown.

125,572
DESIGN FOR A VASE OR SIMILAR ARTICLE
Carl Romanelli, Los Angeles, Calif., assignor to Metlox Manufacturing Company, Manhattan Beach, Calif., a corporation of California
Application December 28, 1940, Serial No. 97,692
Term of patent 14 years



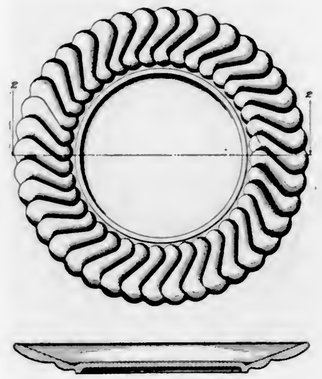
The ornamental design for a vase or similar article, substantially as shown.

125,573
DESIGN FOR A SMOKING PIPE
Edwin Whetstone Ross, Athens, Ohio
Application September 9, 1940, Serial No. 94,894
Term of patent 14 years



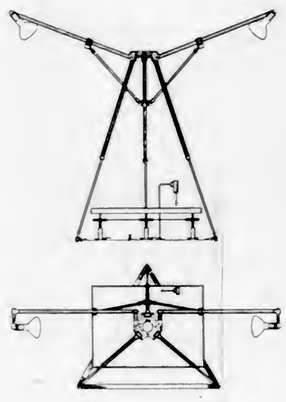
The ornamental design for a smoking pipe, substantially as shown and described.

125,574
DESIGN FOR A PLATE OR SIMILAR ARTICLE
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application October 24, 1940, Serial No. 96,055
Term of patent 14 years



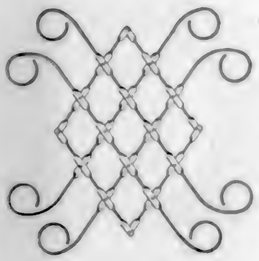
The ornamental design for a plate or similar article, substantially as shown.

125,575
DESIGN FOR A COPYING CAMERA SUPPORT
Alvin E. Schubert, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 16, 1940, Serial No. 93,676
Term of patent 14 years



The ornamental design for a copying camera support, as shown.

125,576
DESIGN FOR A DOOR AND WINDOW GRILLE OR SIMILAR ARTICLE
Dallas Emery Walker, Tampa, Fla., assignor of one-half to Donald Everett Walker, Tampa, Fla.
Application October 2, 1940, Serial No. 95,592
Term of patent 14 years



The ornamental design for a door and window grille or similar article, as shown.

125,577
DESIGN FOR A DRESS
Augusta Waxberg, New York, N. Y.
Application October 23, 1940, Serial No. 96,019
Term of patent 3½ years



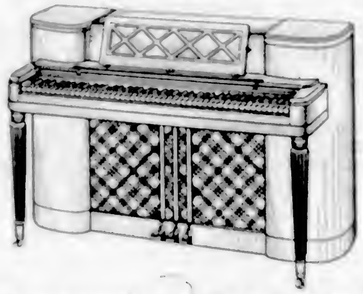
The ornamental design for a dress, substantially as shown and described.

125,578
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application January 29, 1941, Serial No. 98,499
Term of patent 3½ years



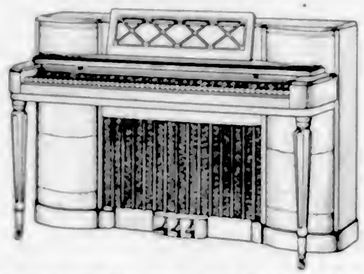
The ornamental design for a textile fabric, substantially as shown.

125,579
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y.
Application December 26, 1940, Serial No. 97,623
Term of patent 7 years



The ornamental design for a piano, as shown and described.

125,580
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y.
Application December 30, 1940, Serial No. 97,722
Term of patent 7 years



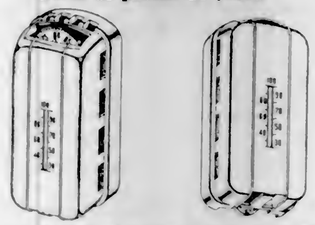
The ornamental design for a piano, as shown and described.

125,581
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Edwin L. Andrew, Cleveland, Ohio, assignor to Ferguson-Sherman Manufacturing Corporation, Dearborn, Mich., a corporation of Delaware
Application July 3, 1940, Serial No. 93,404
Term of patent 14 years



The ornamental design for a badge or similar article, substantially as shown.

125,582
DESIGN FOR AN AIR CONDITIONING CONTROL
Arthur J. Doane, Melrose, and Edward E. Lynch, Easthampton, Mass., assignors to General Electric Company, a corporation of New York
Application July 20, 1940, Serial No. 93,816
Term of patent 14 years



The ornamental design for an air conditioning control, substantially as shown.

125,583
DESIGN FOR A GEM SETTING
Leo Granat, San Francisco, Calif.
Application September 18, 1939, Serial No. 87,269
Term of patent 7 years



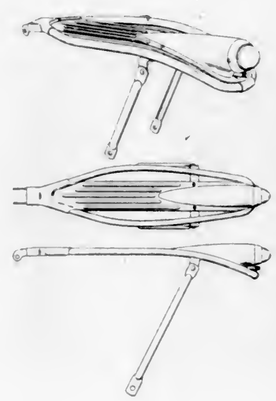
The ornamental design for a gem setting, substantially as shown.

125,584
DESIGN FOR A WOVEN CELLOPHANE AND COTTON FABRIC OR SIMILAR ARTICLE
Frank C. Green, Great Neck, N. Y., assignor to Dazian's Incorporated, New York, N. Y.
Application December 26, 1940, Serial No. 97,607
Term of patent 3½ years



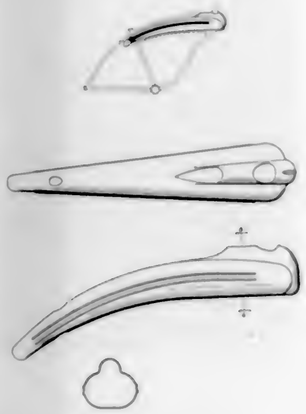
The ornamental design for a woven Cellophane and cotton fabric or similar article, substantially as shown.

125,585
DESIGN FOR A LUGGAGE CARRIER FOR BICYCLES
Horace M. Huffman, Jr., Dayton, Ohio, assignor to The Huffman Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application July 5, 1940, Serial No. 93,437
Term of patent 3½ years



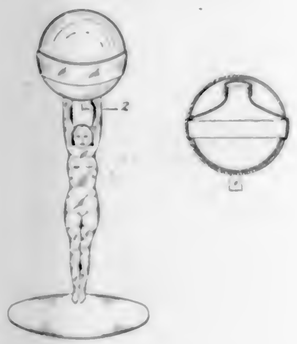
The ornamental design for a luggage carrier for bicycles, substantially as shown and described.

125,586
DESIGN FOR A COMBINED BICYCLE FRAME AND TANK
Horace M. Huffman, Jr., Dayton, Ohio, assignor to The Huffman Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application July 5, 1940, Serial No. 93,438
Term of patent 3½ years



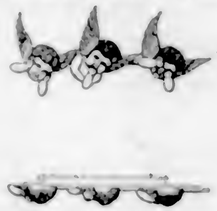
The ornamental design for a combined bicycle frame and tank, substantially as shown and described.

125,587
DESIGN FOR A COMBINATION STATUETTE AND CONTAINER FOR PERFUME
Robert B. Karoff, New York, N. Y.
Application May 22, 1940, Serial No. 92,517
Term of patent 3½ years



The ornamental design for a combination statuette and container for perfume, as shown.

125,588
DESIGN FOR A LAPEL ORNAMENT OR THE LIKE
Sol P. Kaufman, New York, N. Y.
Application January 16, 1941, Serial No. 98,127
Term of patent 3½ years



The ornamental design for a lapel ornament or the like, substantially as shown.

125,589
DESIGN FOR A BIRD CAGE STAND
Earl W. Little and Gertrude Little, Indianapolis, Ind.
Application October 14, 1940, Serial No. 95,830
Term of patent 14 years



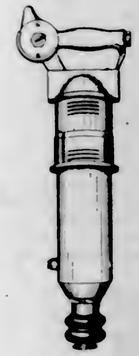
The ornamental design for a bird cage stand, as shown.

125,590
DESIGN FOR A FLOWER POT SUPPORT
Gertrude Little, Indianapolis, Ind.
Application October 14, 1940, Serial No. 95,827
Term of patent 14 years



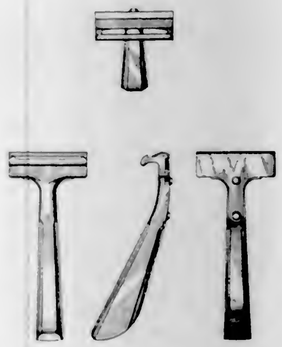
The ornamental design for a flower pot support, as shown.

125,591
DESIGN FOR AN ELECTRIC HAMMER
Harold Elmer McCrery, Oakwood, Ohio, assignor, by direct and mesne assignments, of one-half to The Master Electric Company, Dayton, Ohio, a corporation of Ohio, and one-half to Master Vibrator Company, Dayton, Ohio, a corporation of Ohio
Application October 12, 1940, Serial No. 95,797
Term of patent 3½ years



The ornamental design for an electric hammer, as shown and described.

125,592
DESIGN FOR A RAZOR
Octavius Victor Rodrigues, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application October 31, 1940, Serial No. 96,238
Term of patent 14 years



The ornamental design for a razor, substantially as shown and described.

125,593
DESIGN FOR A VASE OR SIMILAR ARTICLE
Carl Romanelli, Los Angeles, Calif., assignor to Metlox Manufacturing Company, Manhattan Beach, Calif., a corporation of California
Application December 14, 1940, Serial No. 97,317
Term of patent 14 years



The ornamental design for a vase or similar article, substantially as shown.

125,594
DESIGN FOR A VASE OR SIMILAR ARTICLE
Carl Romanelli, Los Angeles, Calif., assignor to Metlox Manufacturing Company, Manhattan Beach, Calif., a corporation of California
Application December 14, 1940, Serial No. 97,318
Term of patent 14 years



The ornamental design for a vase or similar article, substantially as shown.

125,595
DESIGN FOR A TRAY OR SIMILAR ARTICLE
Louis M. Schnitzer, Brooklyn, N. Y.
Application December 19, 1940, Serial No. 97,474
Term of patent 3½ years



The ornamental design for a tray or similar article, as shown.

125,596
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Fred Spitalny, Elizabeth, N. J.
Application April 1, 1940, Serial No. 91,379
Term of patent 3½ years



The ornamental design for a vanity case or similar article, substantially as shown.

125,597
DESIGN FOR A SUIT
Bruno Staehle, New York, N. Y.
Application October 19, 1940, Serial No. 95,947
Term of patent 3½ years



The ornamental design for a suit, substantially as shown and described.

125,598
DESIGN FOR A PENDANT OR SIMILAR ARTICLE
George R. Sweet, Philadelphia, Pa.
Application November 2, 1940, Serial No. 96,270
Term of patent 7 years



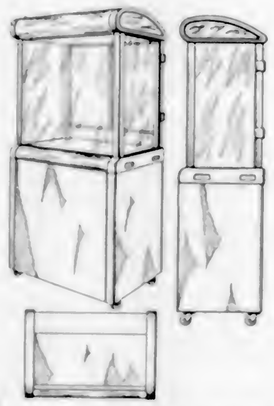
The ornamental design for a pendant or similar article, as shown.

125,599
DESIGN FOR A DECORATIVE BADGE
Milton Tucker, Sunnyside, Long Island, N. Y.
Application January 14, 1941, Serial No. 98,036
Term of patent 3½ years



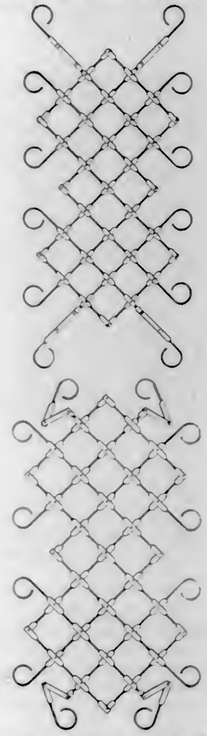
The ornamental design for a decorative badge, as shown.

125,600
DESIGN FOR A POPCORN MACHINE CABINET
Harold Van Doren and Donald E. Dailey, Toledo, Ohio, assignors to Burch Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application August 12, 1940, Serial No. 94,375
Term of patent 14 years



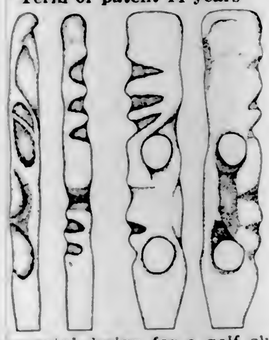
The ornamental design for a popcorn machine cabinet, as shown.

125,601
DESIGN FOR A DOOR GRILLE OR SIMILAR ARTICLE
Dallas Emery Walker, Tampa, Fla., assignor of one-half to Donald Everett Walker, Tampa, Fla.
Application October 4, 1940, Serial No. 95,649
Term of patent 14 years



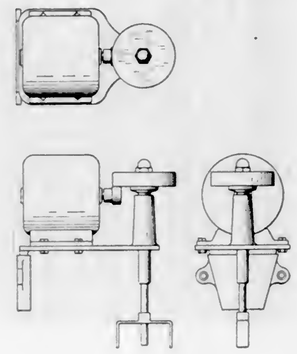
The ornamental design for a door grille or similar article, as shown and described.

125,602
DESIGN FOR A GOLF CLUB HANDLE GRIP
William E. Wheeler, Philadelphia, Pa., and Martin Dietz, Brooklyn, N. Y., and Dorothy Greig Wheeler, Philadelphia, Pa.
Application October 2, 1940, Serial No. 95,584
Term of patent 14 years



The ornamental design for a golf club handle grip, substantially as shown.

125,603
DESIGN FOR A COMBINED MOTOR DRIVEN AGITATOR AND SUPPORT FOR DAIRY APPLIANCES OR ANALOGOUS ARTICLES
Charles B. Whiteside, Birmingham, Ala.
Application June 26, 1940, Serial No. 93,247
Term of patent 7 years



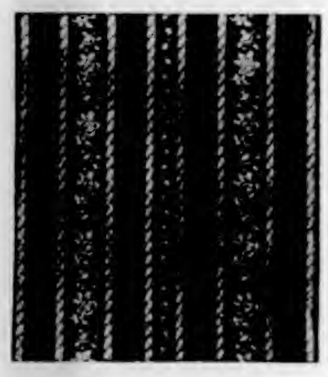
The ornamental design for a combined motor driven agitator and support for dairy appliances or analogous articles, as shown.

125,604
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application January 24, 1941, Serial No. 98,365
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,605
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application January 28, 1941, Serial No. 98,500
Term of patent 3½ years



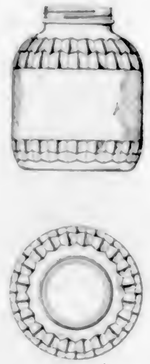
The ornamental design for a textile fabric, substantially as shown.

125,606
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Julia Black, New York, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application January 29, 1941, Serial No. 98,484
Term of patent 3½ years



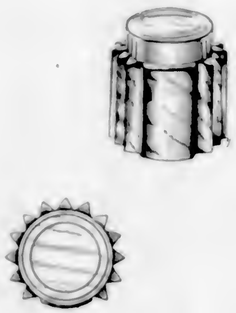
The ornamental design for a textile fabric or similar article, as shown and described.

125,607
DESIGN FOR A JAR
John J. Blum, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 28, 1940, Serial No. 97,693
Term of patent 14 years



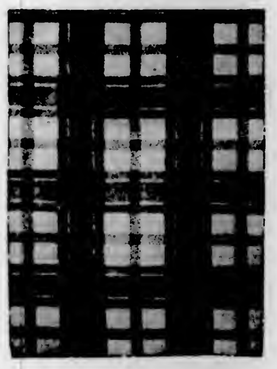
The ornamental design for a jar, substantially as shown.

125,608
DESIGN FOR A COSMETIC CONTAINER OR SIMILAR ARTICLE
Marie Comstock, Chicago, Ill.
Application December 21, 1940, Serial No. 97,513
Term of patent 7 years



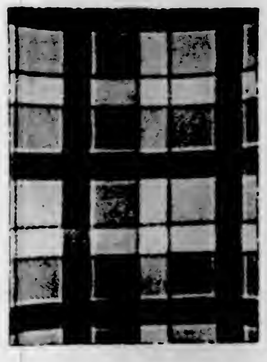
The ornamental design for a cosmetic container or similar article, substantially as shown.

125,609
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application January 3, 1941, Serial No. 97,797
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

125,610
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application January 10, 1941, Serial No. 97,943
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

125,611
DESIGN FOR A VANITY CASE
Sigmund Dawer, New York, N. Y.
Application December 14, 1940, Serial No. 97,330
Term of patent 7 years



The ornamental design for a vanity case, substantially as shown and described.

125,612
DESIGN FOR A PERFUME CONTAINING BROOCH
Rudolph Dopyera, Los Angeles, Calif.
Application August 5, 1940, Serial No. 94,246
Term of patent 7 years



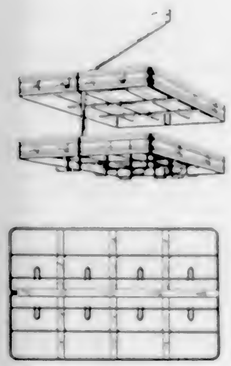
The ornamental design for a perfume containing brooch, as shown.

125,613
DESIGN FOR A WALLPAPER
Emile Ericson, New York, N. Y.
Application October 24, 1940, Serial No. 96,039
Term of patent 3½ years



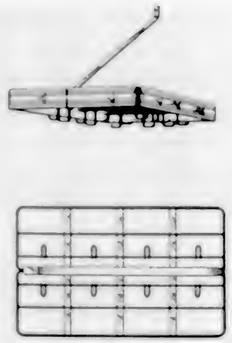
The ornamental design for a wallpaper, substantially as shown and described.

125,614
DESIGN FOR AN APPAREL RACK OR THE LIKE
Bernard M. Flannery, Galion, Ohio
Application December 23, 1940, Serial No. 97,577
Term of patent 14 years



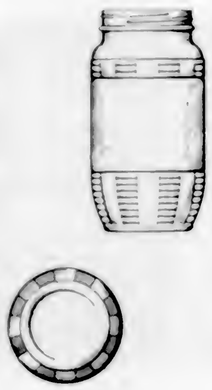
The ornamental design for an apparel rack or the like, as shown.

125,615
DESIGN FOR AN APPAREL RACK OR THE LIKE
Bernard M. Flannery, Galion, Ohio
Application December 23, 1940, Serial No. 97,578
Term of patent 14 years



The ornamental design for an apparel rack or the like, as shown.

125,616
DESIGN FOR A JAR
Brooks D. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 28, 1940, Serial No. 97,680
Term of patent 14 years



The ornamental design for a jar, substantially as shown.

125,617
DESIGN FOR A HANDBAG
Samuel R. Goldsmith, New York, N. Y.
Application January 15, 1941, Serial No. 98,058
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown and described.

125,618
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Carl Haslam, New York, N. Y.
Application December 21, 1940, Serial No. 97,515
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

125,619
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Carl Haslam, New York, N. Y.
Application December 21, 1940, Serial No. 97,516
Term of patent 3½ years



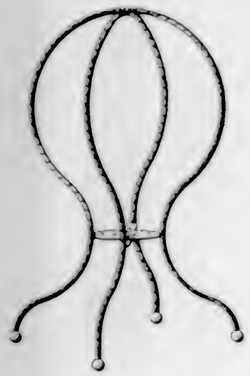
The ornamental design for a textile fabric or similar article, as shown.

125,620
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Carl Haslam, New York, N. Y.
Application December 21, 1940, Serial No. 97,517
Term of patent 3½ years



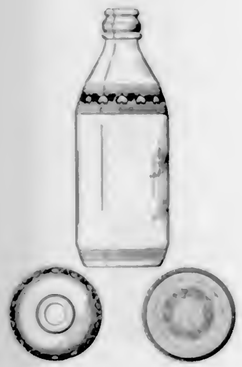
The ornamental design for a textile fabric or similar article, as shown.

125,621
DESIGN FOR A HAT STAND OR SIMILAR ARTICLE
Hortense B. Hewitt, New York, N. Y.
Application November 30, 1940, Serial No. 96,968
Term of patent 3½ years



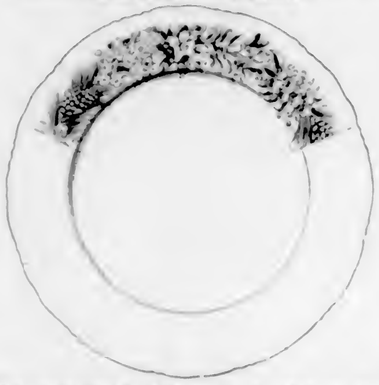
The ornamental design for a hat stand or similar article, substantially as shown.

125,622
DESIGN FOR A BOTTLE
William J. Lundy, Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application January 10, 1941, Serial No. 97,956
Term of patent 7 years



The ornamental design for a bottle, as shown.

125,623
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alexander W. Mackenzie, Jr., Upper Montclair, N. J., assignor to Meakin & Ridgeway, Inc., New York, N. Y., a corporation of New York
Application December 21, 1940, Serial No. 97,519
Term of patent 7 years



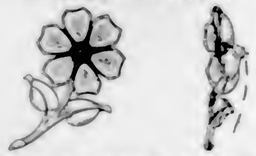
The ornamental design for a plate or similar article, as shown and described.

125,624
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Edgar G. Minton, Cedarhurst, N. Y., assignor to Mainzer Minton Corporation, New York, N. Y.
Application January 2, 1941, Serial No. 97,761
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

125,625
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 16, 1941, Serial No. 98,094
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,626
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 16, 1941, Serial No. 98,095
Term of patent 3½ years



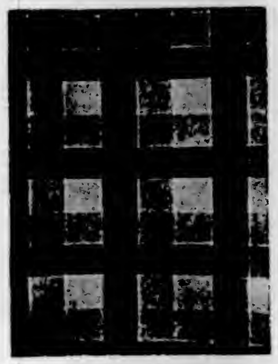
The ornamental design for a pin clip, substantially as shown.

125,627
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 16, 1941, Serial No. 98,096
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,628
DESIGN FOR A TEXTILE FABRIC
Franklyn J. Smith, New York, N. Y.
Application December 30, 1940, Serial No. 97,709
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,629
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application January 24, 1941, Serial No. 98,366
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,630
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application February 1, 1941, Serial No. 98,632
Term of patent 3½ years



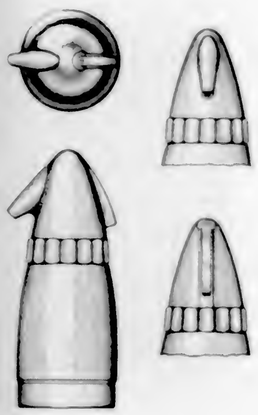
The ornamental design for a textile fabric, substantially as shown.

125,631
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Victor F. Casaretti, Brooklyn, N. Y.
Application July 29, 1940, Serial No. 93,989
Term of patent 7 years



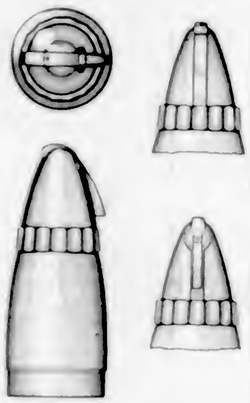
The ornamental design for a badge or similar article, as shown.

125,632
DESIGN FOR A SIPHON OR THE LIKE
David Chapman, Chicago, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application December 11, 1940, Serial No. 97,244
Term of patent 7 years



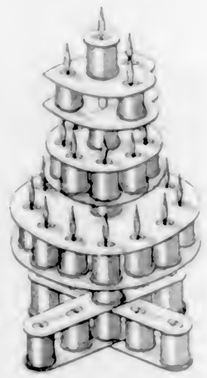
The ornamental design for a siphon or the like, substantially as shown and described.

125,633
DESIGN FOR AN AERATOR OR THE LIKE
David Chapman, Chicago, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application December 11, 1940, Serial No. 97,245
Term of patent 7 years



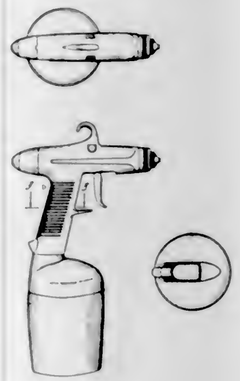
The ornamental design for a aerator or the like, substantially as shown and described.

125,634
DESIGN FOR A COMBINED SPOOL DISPLAY AND STAND THEREFOR
Charlotte Huber, New York, N. Y.
Application October 11, 1940, Serial No. 95,765
Term of patent 7 years



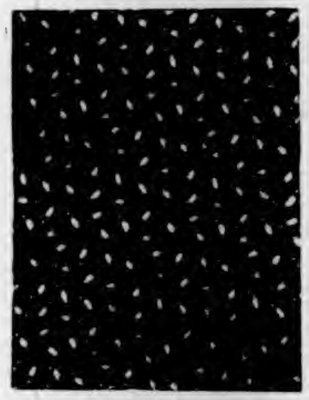
The ornamental design for a combined spool display and stand therefor, substantially as shown.

125,635
DESIGN FOR A COMBINED SPRAY GUN AND CONTAINER THEREFOR
Clarence Karstadt, Glen Ellyn, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application July 13, 1940, Serial No. 93,607
Term of patent 3½ years



The ornamental design for a combined spray gun and container therefor, substantially as shown.

125,636
DESIGN FOR A TEXTILE FABRIC
George M. Kates, New York, N. Y.
Application January 21, 1941, Serial No. 98,194
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,637
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application January 4, 1941, Serial No. 97,807
Term of patent 7 years



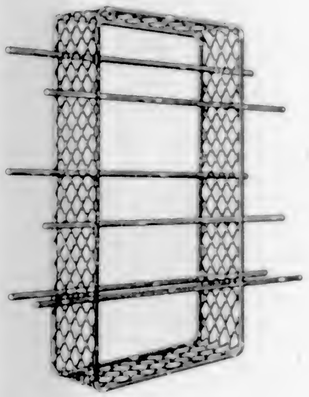
The ornamental design for a glass bottle, substantially as shown and described.

125,638
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application January 8, 1941, Serial No. 97,895
Term of patent 7 years



The ornamental design for a glass bottle, substantially as shown and described.

125,639
DESIGN FOR A MERCHANDISE DISPLAY RACK
Milton H. Larson, Bronson, Mich., assignor to L. A. Darling Company, Bronson, Mich., a corporation of Delaware
Application July 8, 1940, Serial No. 93,496
Term of patent 14 years



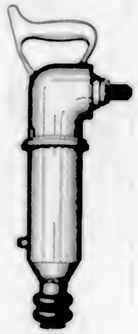
The ornamental design for a merchandise display rack, substantially as shown.

125,640
DESIGN FOR AN ASH TRAY
Henry Pratt Lyman, Fort Smith, Ark.
Application January 31, 1941, Serial No. 98,626
Term of patent 14 years



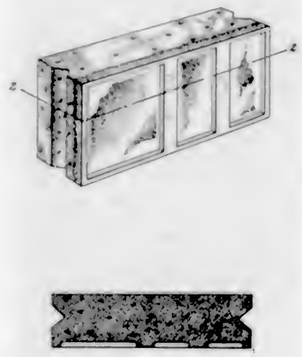
The ornamental design for an ash tray, as shown.

125,641
DESIGN FOR A FLEXIBLE SHAFT DRIVEN HAMMER
Harold Elmer McCrery, Oakwood, Ohio, assignor, by direct and mesne assignments, of one-half to The Master Electric Company, Dayton, Ohio, a corporation of Ohio, and one-half to Master Vibrator Company, Dayton, Ohio, a corporation of Ohio
Application October 12, 1940, Serial No. 95,798
Term of patent 3½ years



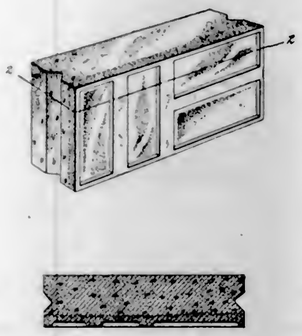
The ornamental design for a flexible shaft driven hammer, as shown and described.

125,642
DESIGN FOR A BUILDING BLOCK
Frank P. Pandolfi, Buffalo, N. Y.
Application August 2, 1940, Serial No. 94,159
Term of patent 7 years



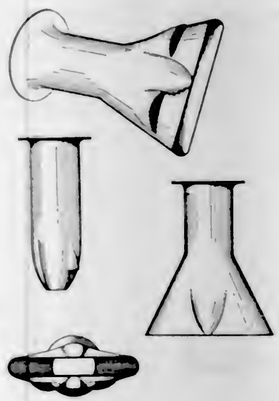
The ornamental design for a building block, as shown.

125,643
DESIGN FOR A BUILDING BLOCK
Frank P. Pandolfi, Buffalo, N. Y.
Application August 2, 1940, Serial No. 94,160
Term of patent 7 years



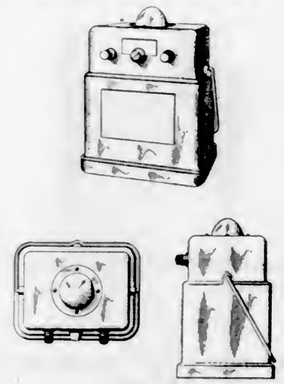
The ornamental design for a building block, as shown.

125,644
DESIGN FOR AN EXHAUST PIPE SHROUD
Linus E. Russell, Springfield, Ohio, assignor to Peters & Russell, Inc., Springfield, Ohio, a corporation of Ohio
Application September 13, 1940, Serial No. 95,014
Term of patent 7 years



The ornamental design for an exhaust pipe shroud, substantially as shown.

125,645
DESIGN FOR A CASING FOR ELECTRIC FENCE CONTROL UNIT
Ralph R. Smith, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Application July 9, 1940, Serial No. 93,515
Term of patent 14 years



The ornamental design for an electric fence control unit, substantially as shown.

125,646
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,540
Term of patent 3½ years



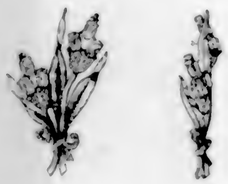
The ornamental design for a brooch or similar article, as shown.

125,647
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger, New York, N. Y.
Application January 30, 1941, Serial No. 98,544
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,648
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,545
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,649
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,546
Term of patent 3½ years



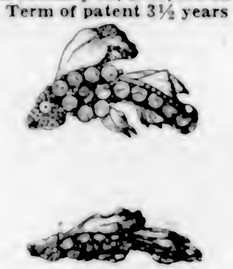
The ornamental design for a brooch or similar article, as shown.

125,650
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,547
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,651
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,548
Term of patent 3½ years



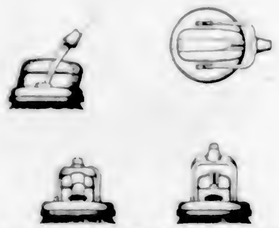
The ornamental design for a brooch or similar article, as shown.

125,652
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,549
Term of patent 3½ years



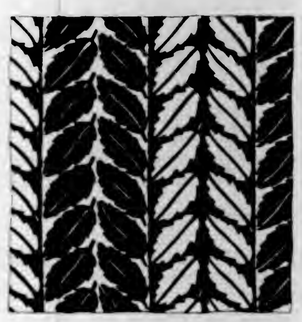
The ornamental design for a brooch or similar article, as shown.

125,653
DESIGN FOR A FLOOR POLISHER
Eldred J. Vetter, Whitefish Bay, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
Application November 14, 1940, Serial No. 96,576
Term of patent 14 years



The ornamental design for a floor polisher, as shown and described.

125,654
DESIGN FOR A TEXTILE FABRIC
William D. Wright, Jersey City, N. J., assignor to National Fabrics Corporation, New York, N. Y., a corporation of Delaware
Application December 11, 1940, Serial No. 97,264
Term of patent 3½ years



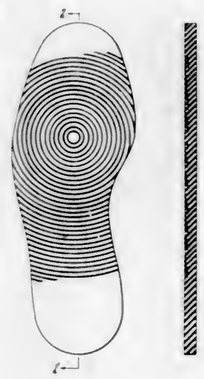
The ornamental design for a textile fabric, substantially as shown.

125,655
DESIGN FOR A DRESS
Harvey Berin, New York, N. Y.
Application January 10, 1941, Serial No. 97,958
Term of patent 3½ years



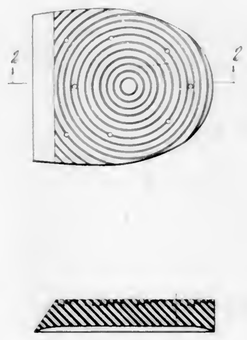
The ornamental design for a dress, as shown.

125,656
DESIGN FOR A SHOE SOLE
David R. Cutler, Braintree, Mass., assignor to Alfred Hale Rubber Company, Quincy, Mass., a corporation of Massachusetts
Application August 22, 1940, Serial No. 94,547
Term of patent 14 years



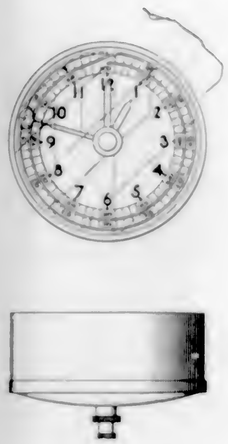
The ornamental design for a shoe sole, substantially as shown.

125,657
DESIGN FOR A SHOE HEEL
David R. Cutler, Braintree, Mass., assignor to Alfred Hale Rubber Company, Quincy, Mass., a corporation of Massachusetts
Application August 22, 1940, Serial No. 94,549
Term of patent 14 years



The ornamental design for a shoe heel, substantially as shown.

125,658
DESIGN FOR A CLOCK
Jerome De Haes, Chicago, Ill., assignor of one-half to Albert S. Malecki, Chicago, Ill.
Application December 26, 1940, Serial No. 97,616
Term of patent 14 years



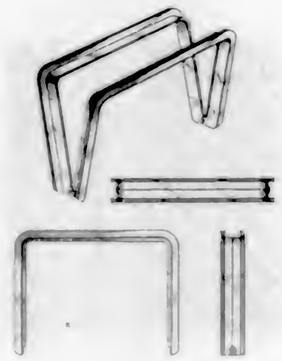
The ornamental design for a clock, as shown.

125,659
DESIGN FOR A MANIKIN
Kathryn Fox, Chicago, Ill.
Application October 17, 1940, Serial No. 95,887
Term of patent 3½ years



The ornamental design for a manikin, as shown.

125,660
DESIGN FOR A HANDBAG FRAME
Charles Goldstein, New York, N. Y., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application October 22, 1940, Serial No. 95,997
Term of patent 7 years



The ornamental design for a handbag frame, substantially as shown and described.

125,661
DESIGN FOR A PAIR OF SPECTACLES
Paul H. Johnston, Davenport, Iowa
Application May 2, 1940, Serial No. 92,088
Term of patent 14 years



The ornamental design for a pair of spectacles, substantially as shown and described.

125,662
DESIGN FOR A BRASSIERE OR SIMILAR ARTICLE
Seymour Katz, Chicago, Ill., assignor to Philip S. Bloom Co., Chicago, Ill., a corporation of Illinois
Application December 14, 1940, Serial No. 97,301
Term of patent 7 years



The ornamental design for a brassière or similar article, as shown and described.

125,663
DESIGN FOR A DRESS ENSEMBLE
Samuel King, Boston, Mass.
Application January 16, 1941, Serial No. 98,112
Term of patent 3½ years



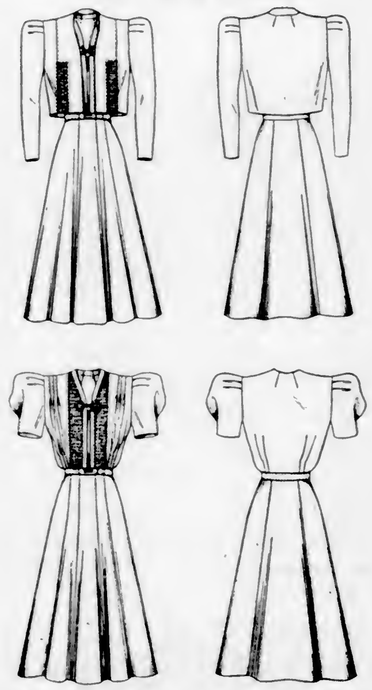
The ornamental design for a dress ensemble, substantially as shown and described.

125,664
DESIGN FOR A DRESS
Josef S. Lanz, New York, N. Y.
Application July 26, 1940, Serial No. 93,935
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

125,665
DESIGN FOR A DRESS ENSEMBLE
Harry Lasoff, Boston, Mass.
Application December 16, 1940, Serial No. 97,375
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,666
DESIGN FOR A DRESS
Charlotte Steiner Lubow, Woodmere, N. Y.
Application November 13, 1940, Serial No. 96,525
Term of patent 3½ years



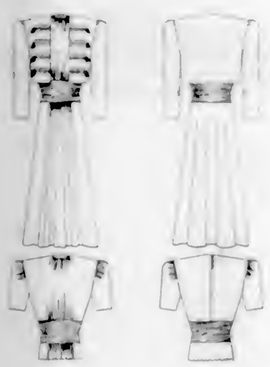
The ornamental design for a dress, substantially as shown and described.

125,667
DESIGN FOR A HEELLESS OVERSHOE
William Mancik, New York, N. Y., and George H. Quennard, Morristown, N. J.; said Quennard assignor to said Mancik
Application April 19, 1940, Serial No. 91,775
Term of patent 7 years



The ornamental design for a heelless overshoe, as shown.

125,668
DESIGN FOR A DRESS ENSEMBLE
Anna Naubert, Chicago, Ill.
Application December 20, 1940, Serial No. 97,475
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

125,669
DESIGN FOR A PAJAMA ENSEMBLE
Germaine Monteil, New York, N. Y.
Application November 12, 1940, Serial No. 96,486
Term of patent 3½ years



The ornamental design for a pajama ensemble, substantially as shown.

125,670
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application January 2, 1941, Serial No. 97,764
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,671
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application January 2, 1941, Serial No. 97,765
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,672
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 21, 1941, Serial No. 98,261
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,673
DESIGN FOR A SCARF HOLDER
Charles Silverman, Providence, R. I.
Application May 8, 1940, Serial No. 92,218
Term of patent 7 years



The ornamental design for a scarf holder, substantially as shown and described.

125,674
DESIGN FOR A DRESS
Betty Patterson Travis, Tarrytown, N. Y.
Application January 9, 1941, Serial No. 97,907
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,675
DESIGN FOR A NECKTIE
Francis W. Tully, Brookline, Mass.
Application November 25, 1940, Serial No. 96,794
Term of patent 7 years



The ornamental design for a necktie, as shown.

125,676
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 27, 1941, Serial No. 98,422
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,677
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 27, 1941, Serial No. 98,423
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,678
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,541
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,679
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,542
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,680
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application January 30, 1941, Serial No. 98,543
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,681
DESIGN FOR A TEXTILE FABRIC
Robert Buzzini, Springdale, Conn., assignor to Frank Associates, Inc., New York, N. Y., a corporation of New York
Application January 7, 1941, Serial No. 97,849
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

125,682
DESIGN FOR A CARPET OR SIMILAR ARTICLE
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application December 26, 1940, Serial No. 97,621
Term of patent 7 years



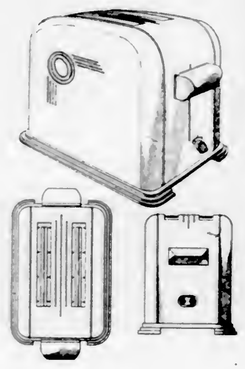
The ornamental design for a carpet or similar article, as shown.

125,683
DESIGN FOR A CARPET OR SIMILAR ARTICLE
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application December 26, 1940, Serial No. 97,622
Term of patent 7 years



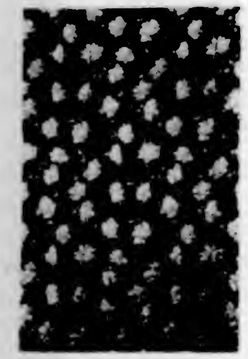
The ornamental design for a carpet or similar article, as shown.

125,684
DESIGN FOR AN ELECTRIC TOASTER
Irving Edelman, Brooklyn, N. Y.
Application February 10, 1940, Serial No. 90,181
Term of patent 3½ years



The ornamental design for an electric toaster, as shown and described.

125,685
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Rose Faller, New York, N. Y., assignor to Yale Fabrics Corporation, New York, N. Y.
Application January 15, 1941, Serial No. 98,090
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

125,686
DESIGN FOR A DRESS
Pauline E. Fields, New York, N. Y.
Application January 10, 1941, Serial No. 97,959
Term of patent 3½ years



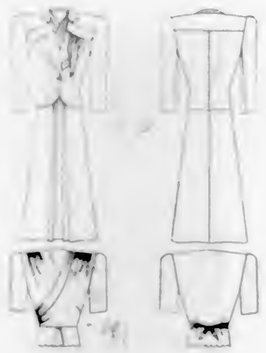
The ornamental design for a dress, as shown.

125,687
DESIGN FOR A DRESS
Pauline E. Fields, New York, N. Y.
Application January 10, 1941, Serial No. 97,960
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,688
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application December 18, 1940, Serial No. 97,410
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

125,689
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Frank Headon, Great Neck, N. Y.
Application January 4, 1941, Serial No. 97,818
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

125,690
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Frank Headon, Great Neck, N. Y.
Application January 4, 1941, Serial No. 97,819
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

125,691
DESIGN FOR A DRESS
Philip Heit, New York, N. Y.
Application January 8, 1941, Serial No. 97,855
Term of patent 3½ years



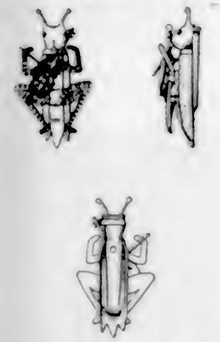
The ornamental design for a dress, as shown.

125,692
DESIGN FOR A DRAPERY FABRIC
Harry Josephson, New York, N. Y.
Application October 29, 1940, Serial No. 96,158
Term of patent 3½ years



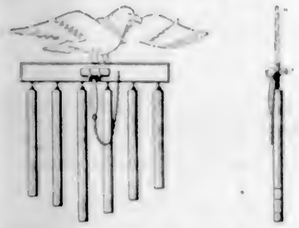
The ornamental design for a drapery fabric, as shown.

125,693
DESIGN FOR A PIN
Willard Markle, New York, N. Y.
Application January 28, 1941, Serial No. 98,468
Term of patent 3½ years



The ornamental design for a pin, as shown.

125,694
DESIGN FOR A LAPEL CHIME PIN
Lillian Price, New York, N. Y.
Application December 4, 1940, Serial No. 97,044
Term of patent 3½ years



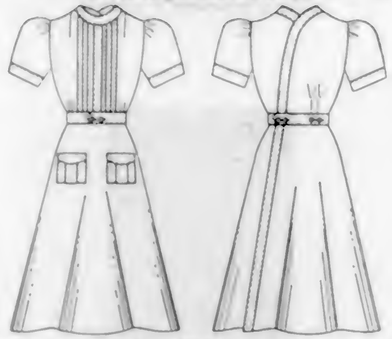
The ornamental design for a lapel chime pin, as shown and described.

125,695
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 27, 1941, Serial No. 98,434
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,696
DESIGN FOR A UNIFORM
Arthur M. Berger, New York, N. Y.
Application January 18, 1941, Serial No. 98,165
Term of patent 3½ years



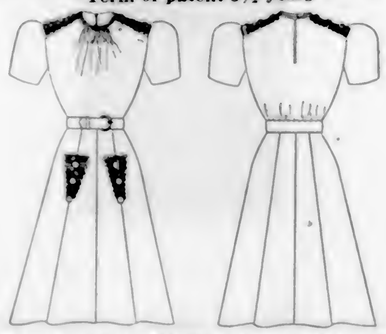
The ornamental design for a uniform, as shown.

125,697
DESIGN FOR A UNIFORM
Arthur M. Berger, New York, N. Y.
Application January 18, 1941, Serial No. 98,166
Term of patent 3½ years



The ornamental design for a uniform, as shown.

125,698
DESIGN FOR A DRESS
George W. Cohen, New York, N. Y.
Application January 18, 1941, Serial No. 98,172
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,699
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application January 15, 1941, Serial No. 98,044
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

125,700
DESIGN FOR A SUIT
Angelo Del Re, Brooklyn, N. Y.
Application January 15, 1941, Serial No. 98,046
Term of patent 3½ years



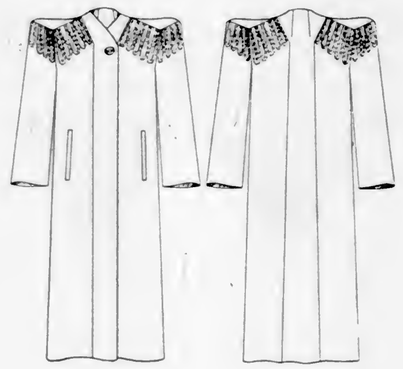
The ornamental design for a suit, substantially as shown.

125,701
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application January 15, 1941, Serial No. 98,047
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

125,702
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application January 16, 1941, Serial No. 98,120
Term of patent 3½ years



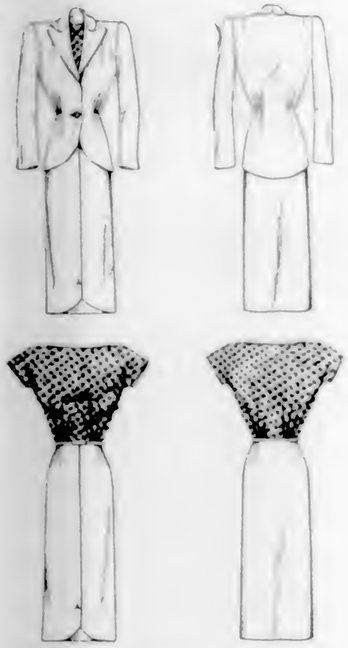
The ornamental design for a coat, substantially as shown.

125,703
DESIGN FOR A SUIT
Angelo Del Re, Brooklyn, N. Y.
Application January 16, 1941, Serial No. 98,121
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

125,704
DESIGN FOR A DRESS ENSEMBLE
Simon Etkin, New York, N. Y.
Application January 13, 1941, Serial No. 98,017
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,705
DESIGN FOR A DRESS
Philip Heit, New York, N. Y.
Application January 18, 1941, Serial No. 98,171
Term of patent 3½ years



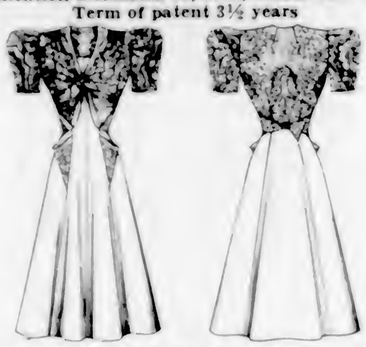
The ornamental design for a dress, as shown.

125,706
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application January 18, 1941, Serial No. 98,164
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,707
DESIGN FOR A DRESS
Benjamin Kleinman, New York, N. Y.
Application December 30, 1940, Serial No. 97,732
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,708
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,139
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,709
DESIGN FOR A SUIT
Harry Zuckerman, New York, N. Y.
Application January 21, 1941, Serial No. 98,244
Term of patent 3½ years



The ornamental design for a suit, as shown.

125,710
DESIGN FOR A DRESS
Esther Alper, New York, N. Y.
Application January 18, 1941, Serial No. 98,167
Term of patent 3½ years



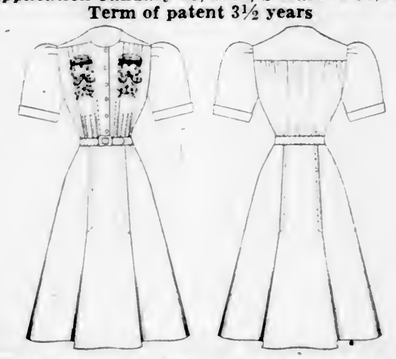
The ornamental design for a dress, as shown.

125,711
DESIGN FOR A DRESS
Esther Alper, New York, N. Y.
Application January 18, 1941, Serial No. 98,168
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,712
DESIGN FOR A DRESS
Esther Alper, New York, N. Y.
Application January 18, 1941, Serial No. 98,169
Term of patent 3½ years



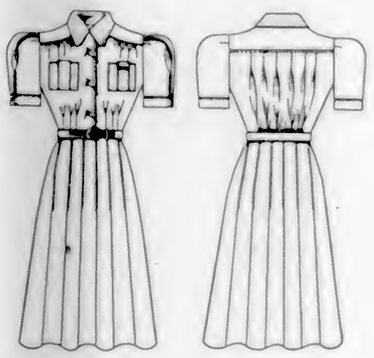
The ornamental design for a dress, as shown.

125,713
DESIGN FOR A DRESS
Esther Alper, New York, N. Y.
Application January 18, 1941, Serial No. 98,170
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

125,714
DESIGN FOR A DRESS
Morris Birnbaum, New York, N. Y.
Application January 13, 1941, Serial No. 98,013
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,715
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application January 15, 1941, Serial No. 98,045
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

125,716
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application January 16, 1941, Serial No. 98,122
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

125,717
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application January 16, 1941, Serial No. 98,123
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

125,718
DESIGN FOR A SUIT
Angelo Del Re, Brooklyn, N. Y.
Application January 16, 1941, Serial No. 98,124
Term of patent 3½ years



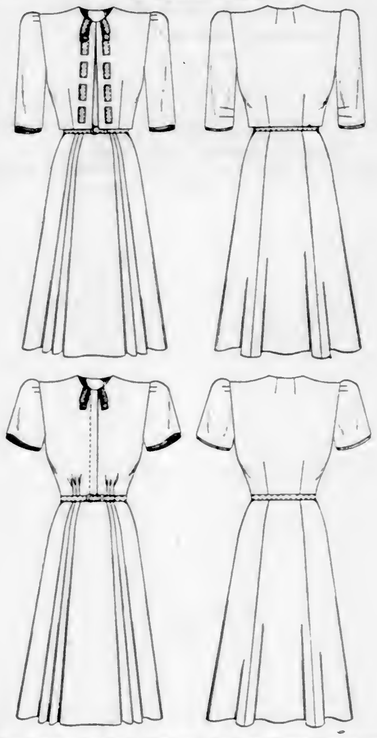
The ornamental design for a suit, substantially as shown.

125,719
DESIGN FOR A TEXTILE FABRIC
Benjamin Frank, New York, N. Y.
Application February 12, 1941, Serial No. 98,956
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,720
DESIGN FOR A DRESS ENSEMBLE
Sylvia Franklin, New York, N. Y.
Application January 18, 1941, Serial No. 98,187
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,721
DESIGN FOR A TEXTILE FABRIC
Frank C. Green, Great Neck, N. Y., assignor to Dasian's Inc., New York, N. Y.
Application February 1, 1941, Serial No. 98,663
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,722
DESIGN FOR A COAT
Oscar Hauptman, New York, N. Y.
Application January 22, 1941, Serial No. 98,289
Term of patent 3½ years



The ornamental design for a coat, as shown.

125,723
DESIGN FOR A COAT
Oscar Hauptman, New York, N. Y.
Application January 22, 1941, Serial No. 98,290
Term of patent 3½ years



The ornamental design for a coat, as shown.

125,724
DESIGN FOR A DRESS ENSEMBLE
Eleanor Hill, New York, N. Y.
Application January 9, 1941, Serial No. 97,935
Term of patent 3½ years



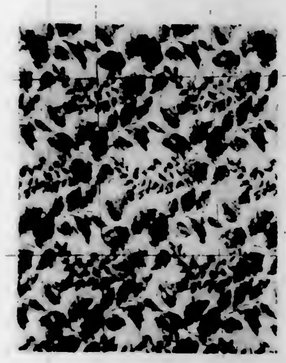
The ornamental design for a dress ensemble, as shown.

125,725
DESIGN FOR A DRESS ENSEMBLE
Eleanor Hill, New York, N. Y.
Application January 9, 1941, Serial No. 97,936
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

125,726
DESIGN FOR A TEXTILE FABRIC
Howard Horn, New York, N. Y.
Application February 12, 1941, Serial No. 98,968
Term of patent 3½ years



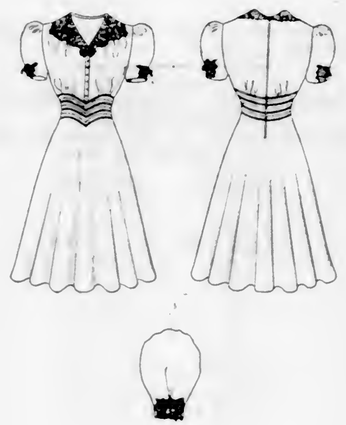
The ornamental design for a textile fabric, as shown and described.

125,727
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application January 2, 1941, Serial No. 97,782
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

125,728
DESIGN FOR A DRESS
Natalie Jones, New York, N. Y.
Application November 12, 1940, Serial No. 96,459
Term of patent 3½ years



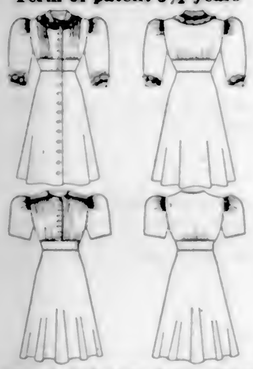
The ornamental design for a dress, substantially as shown.

125,729
DESIGN FOR A DRESS
Natalie Jones, New York, N. Y.
Application December 28, 1940, Serial No. 97,685
Term of patent 3½ years



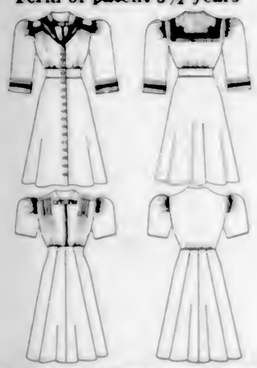
The ornamental design for a dress, substantially as shown.

125,730
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,140
Term of patent 3½ years



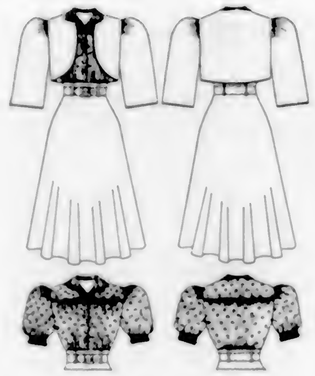
The ornamental design for a dress ensemble, substantially as shown.

125,731
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,141
Term of patent 3½ years



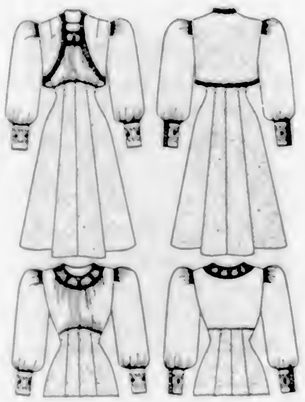
The ornamental design for a dress ensemble, substantially as shown.

125,732
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,142
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,733
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,143
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,734
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,144
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,735
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,145
Term of patent 3½ years



The ornamental design for a dress ensemble substantially as shown.

125,736
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,146
Term of patent 3½ years



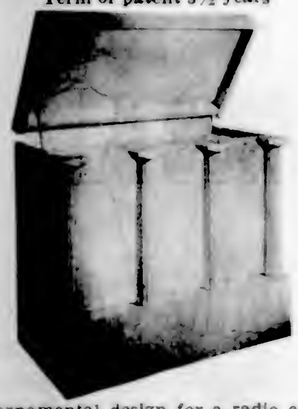
The ornamental design for a dress ensemble, substantially as shown.

125,737
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 17, 1941, Serial No. 98,147
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,738
DESIGN FOR A RADIO CABINET OR SIMILAR ARTICLE
Terrance H. Robejohn-Gibbings, New York, N. Y.
Application September 26, 1940, Serial No. 95,407
Term of patent 3½ years



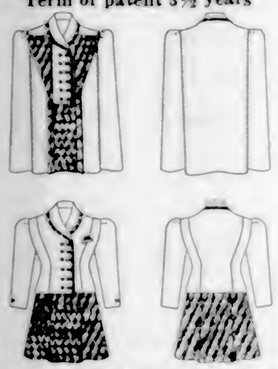
The ornamental design for a radio cabinet or similar article, substantially as shown and described.

125,739
DESIGN FOR A COAT
Milton Shaw, New York, N. Y.
Application January 23, 1941, Serial No. 98,329
Term of patent 3½ years



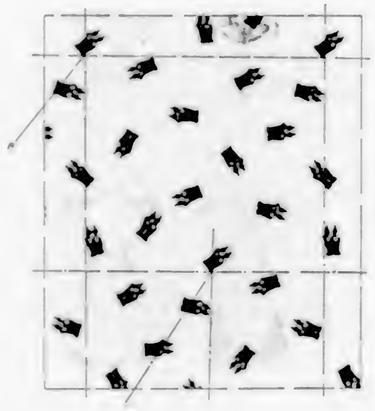
The ornamental design for a coat, as shown.

125,740
DESIGN FOR A CAPE ENSEMBLE
Milton Shaw, New York, N. Y.
Application January 23, 1941, Serial No. 98,330
Term of patent 3½ years



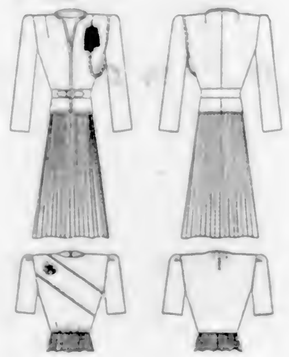
The ornamental design for a cape ensemble, as shown.

125,741
DESIGN FOR A TEXTILE FABRIC
Sylvia Sherman, New York, N. Y.
Application February 3, 1941, Serial No. 98,686
Term of patent 3½ years



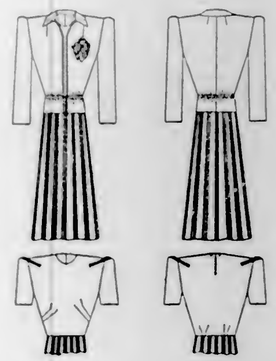
The ornamental design for a textile fabric, substantially as shown and described.

125,742
DESIGN FOR A DRESS ENSEMBLE
Frederick Wilkins, Brooklyn, N. Y.
Application January 11, 1941, Serial No. 97,995
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

125,743
DESIGN FOR A DRESS ENSEMBLE
Frederick Wilkins, Brooklyn, N. Y.
Application January 11, 1941, Serial No. 97,996
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

125,744
DESIGN FOR A COAT
Horace O. Wolk, New York, N. Y.
Application January 21, 1941, Serial No. 98,249
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

125,745
DESIGN FOR A SUIT
Horace O. Wolk, New York, N. Y.
Application January 21, 1941, Serial No. 98,250
Term of patent 3½ years



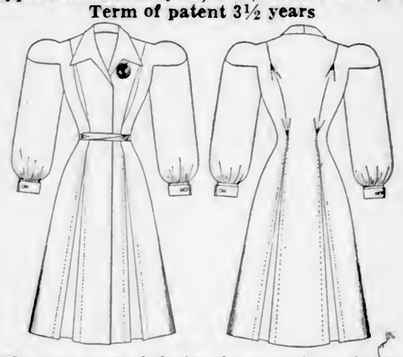
The ornamental design for a suit, substantially as shown.

125,746
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application January 21, 1941, Serial No. 98,246
Term of patent 3½ years



The ornamental design for a coat, as shown.

125,747
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application January 21, 1941, Serial No. 98,247
Term of patent 3½ years



The ornamental design for a coat, as shown.

Patents Nos. 2,234,162 to 2,234,944

THE

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March 11, 1941

Trade-Marks	201	No. 385,546 to No.	385,746, inclusive.
T. M. Renewals	56		
Reissues	9	No. 21,742 to No.	21,750, inclusive.
Patents	783	No. 2,234,162 to No.	2,234,944, inclusive.
Designs	133	No. 125,748 to No.	125,880, inclusive.
Total	1,182		

Interference Notice

U. S. Patent Office, *Washington, D. C., Feb. 11, 1941.*

The Wigwam Retail Stores Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Mid-West Tobacco Co., 335 West Fifth Street, Cincinnati, Ohio, for registration of a trade-mark, and trade-mark registered August 8, 1922, No. 157,609, to The Wigwam Retail Stores Company, 1519 Main Street, Columbia, S. C. A notice of such proceeding sent by registered mail to said The Wigwam Retail Stores Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said The Wigwam Retail Stores Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Transfer of Class

Order No. 3,541

U. S. Patent Office, *Washington, D. C., Feb. 26, 1941.*

The following transfer, effective February 26, 1941, is hereby ordered:

Class 154, Laminated Fabric and Analogous Manufactures, subclass 33, from Division 20 to Division 56.

CONWAY P. COE,
Commissioner.

Changes in Classification

Order No. 3,541, February 26, 1941, directs:

In *class 110, Furnaces* (Division 19), establish the following subclass and definition:

Fuel feeders
Blower
Locomotive stoker type
105.6 Underfeed to jet only.

105.6. Devices under subclass 105.5 in which the fuel feeding means causes the fuel to be elevated from below and presented directly to the front of the fluid jets.

(1) Note.—For plural species, only one of which belongs in this subclass, see this class, subclass 105.5, when claimed generically only, or if any claim is limited to such other species.

(2) Note.—For devices having additional jets to which the fuel is not underfed, see this class, subclass 105.5.

The patents contained in this subclass were taken for the most part from class 110, subclass 105.5.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 20), establish the following subclass:

Yielding-fabric making
Processes
33.05 Corrugating, indenting or facing.

33.05. Processes under subclass 33 which include corrugating, creping, indenting or facing.

The patents contained in this subclass have been taken from class 154, subclass 33.

In *class 88, Optics* (Division 7), subclass 65, in note (3) change "1" to *295 and indented subclasses.*

In *class 99, Foods and Beverages* (Division 63), subclass 148, number the existing note (*2*) and add:

(1) Note.—For processes of coloring fruits or vegetables, see this class, subclass 103.

In *class 260, Chemistry, Carbon Compounds* (Division 6), subclass 451, in the definition after "paraffin" insert *pine oil, turpentine;* in subclass 481 add the following note:

Note.—See this class, subclass 455, for esters of thiocarboxylic acids;

and in subclass 598 add the following note:

(5) Note.—See this class, subclass 67, for polymerized aldehydes which are synthetic resins, and subclass 340, for other polymerized aldehydes which are heterocyclic compounds.

Applicant's Address

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Condition of Applications Under Examination at Close of Business February 22, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,855; Trade-Mark Division, 1,356. Oldest new case, May 13, 1940; oldest amended, May 13, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 18	Sept. 18	471
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 27	July 25	623
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Dec. 26	Dec. 23	317
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Nov. 1	Sept. 26	460
3077	5. ROBINSON, C. W., Harvesters; Music; Accoustics; Sound Recording; Knotters; Buckles, Buttons.	Oct. 17	Oct. 19	389
4868 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 10	July 17	989
5725	7. JARBOE, C. O., Optics; Photography	Aug. 23	Aug. 23	1,040
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Aug. 3	July 12	889
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 2	Oct. 2	585
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 3	†Jan. 2	148
5087 B	11. BENHAM E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 25	Nov. 1	457
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 28	Aug. 8	466
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 3	Aug. 4	628
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 23	Oct. 22	561
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 2	Aug. 10	1,144
5716	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 29	Oct. 28	569
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 28	Oct. 21	521
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 30	Sept. 27	449
4606	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 12	Oct. 8	484
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Sales; Undertaking; Bread, Pastry, and Confection Making.	Aug. 3	Aug. 24	251
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 2	Oct. 21	380
6600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 13	May 13	1,521
7624	23. BUTTNER, W. J., Registers (part)	July 16	June 28	249
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 13	July 18	953
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing, Vegetable and Meat Cutters and Comminutors.	Sept. 12	Sept. 18	519
5903	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 18	Sept. 27	502
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 3	Aug. 21	660
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Sept. 9	Aug. 12	320
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Aug. 26	Sept. 9	699
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 26	Oct. 22	602
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 10	Sept. 10	1,370
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 1	Nov. 19	735
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Oct. 29	Oct. 17	732
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 27	July 20	343
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Dispensing; Portable Receptacles	Aug. 12	Sept. 27	799
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 1	July 11	629
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 31	Aug. 3	602
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 2	July 9	792
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 10	Oct. 9	473
7890	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	July 22	July 22	1,682
7812	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Sept. 26	Sept. 18	508
5882	42. CUTTING, H. O., Electric Signaling	Sept. 11	Sept. 21	450
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 23	Sept. 26	532
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 3	Aug. 8	622
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 11	Nov. 30	363
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 23	Oct. 7	614
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	Oct. 23	Sept. 12	423
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 25	Sept. 24	574
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 23	Aug. 23	811
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 22	Aug. 22	1,232
5628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 19	Dec. 14	201
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 16	Sept. 6	570
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Lable Pasting and Paper Hanging.	Aug. 2	Aug. 2	813
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 12	Nov. 4	364
5883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 30	Sept. 17	361
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 22	July 22	1,246
5613	57. NICOLSON, O. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 3	Sept. 18	201
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 3	Aug. 28	507
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 9	Aug. 16	964
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 16	Nov. 19	291
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Sept. 10	Sept. 19	451
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 21	Sept. 7	215
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 11	July 1	1,142
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Nov. 1	Oct. 25	739
5812	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Nov. 13	Nov. 22	260
2099 B	Trade-Marks: F. A. RICHMOND	Dec. 31	†Jan. 22	1,356
2005	Designs: H. H. KALUPY	Dec. 17	†Jan. 21	1,222

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SCHWENDLER ET AL.

No. 4,370. Decided November 8, 1940

[— F.(2d) —]

1. PATENTABILITY—UNDUE MULTIPLICITY OF CLAIMS.
"If in attempting to define his invention, he (applicant) has unduly multiplied his claims so as to bring about confusion, rather than clarity and conciseness, he has not complied with the mandate of the statute, and the Patent Office, under such circumstances, may properly reject all the claims of the application on that ground alone."

2. SAME—SAME.
Where the claims are rejected by the Patent Office on the ground of undue multiplicity, applicant's failure to include certain claims in his appeal does not affect the issue before the court.

3. SAME—HARDENABLE PLASTIC COMPOSITIONS AND METHOD OF MAKING SAME.
Certain claims for hardenable plastic compositions and certain claims for a method of making same *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. M. Theodore Simmons for Schwendler et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.:*

The instant appeal is from the decision of the Board of Appeals of the United States Patent Office, modifying that of the Primary Examiner who declined to allow 26 claims in an application relating to an invention concerning hardenable plastic compositions and the method of making them. The Board of Appeals reversed the decision of the Examiner as to four claims numbered 30, 31, 32, and 33, which claims were the narrower ones and prescribed definite proportions of the different ingredients used in making the composition. The rejection of the other 22 claims by the Examiner was affirmed. Except as to claims numbered 1, 2, 10, 13, 16, 41, 42, 44, and 46, appellants have taken no appeal here. From first to last there were submitted in the instant application 46 claims.

Claims 1 and 2 illustrate the nature of the article and method claims at bar and follow:

1. A hardenable plastic composition consisting of calcined magnesite, inert and cellular filler materials, and a plasticising fluid in sufficient amount to and containing a quantity of magnesium sulphate sufficient to precipitate and maintain in place as calcium sulphate substantially all active calcium in the composition.

2. The method of producing a hardenable plastic material comprising mixing together calcined magnesite and inert and cellular filler materials and thereafter adding to the mixture a plasticising fluid containing a precipitating agent until a viscosity of the mixture is obtained whereby calcum sulphate precipitated by the plasticising fluid will not settle in the mass.

The Examiner rejected all the claims in the application upon the ground that the claims were unduly multiplied. Notwithstanding this rejection, he recited that all the claims were rejected upon the following references: Gallinowsky, 401,427, April 16, 1889; Conti et al., 705,650, July 29, 1902; Turner, 1,256,847, February 19, 1918; McCaughey, 1,634,505, July 5, 1927; Lukens et al., 1,838,147, December 29, 1931; Snell, 1,964,088, June 26, 1934; Lukens, Re. 19,779, December 3, 1935; "Plastic Magnesia Cements," published by the Dow Chemical Co., 1927, pages 130 and 131, 20 to 26, and 66.

The reference Sorel, 53,092, March 6, 1866, is also included by the Examiner in his listing of the references relied upon.

In view of the abandonment of certain claims containing certain limitations, some of the references are not pertinent and will not be discussed.

Certain claims were rejected by the Examiner as being indefinite.

The Board of Appeals, which had before it 26 claims, held that with the exception of claims numbered 30, 31, 32, and 33, the claims did not patentably distinguish or definitely point out the applicants' invention over the prior art, especially Dow. As to the claims other than those it allowed, the Board affirmed the decision of the Examiner in rejecting the same as being "multifarious." The Board pointed out that claim 1, like most of the other claims, was indefinite and functional and cited as in point the case of *In re Stack*, 24 C. C. P. A. (Patents) 836, 87 F.(2d) 210, 479 O. G. 997. In allowing claims 30 to 33, inclusive, it disregarded the question of division and held that by reason of the specificity of the various compositions the claims were allowable over the prior art, and in this respect reversed the decision of the Examiner.

In order to understand the issue involved in this rather complicated appeal, a somewhat thorough statement of the invention claimed is important. To begin with, the art is not a new one. Hardenable plastic compositions in the art of making caskets and various moldable articles have received much attention in this and other countries during the last hundred years. We find it necessary, in order to decide the issues as they are presented to us, to consider rather closely the claimed improvement made by the applicants, as well as the advancement made by those involved in the pertinent prior art cited.

The Examiner had the following to say:

The alleged invention described in this application concerns cementitious materials of the magnesia-oxychloride type. When magnesium oxide, magnesium chloride and water are mixed up in the form of a mortar, molded and allowed to set, a hard concrete-like body is produced. There may be various inert fillers included in the body. Such oxychloride bodies are well known in the art. The magnesia used in making such plastic cements usually contains some lime as an impurity which remains in the final set body as calcium oxide or hydroxide or calcium chloride which in case of the oxide would react with the moisture in the atmosphere, or soil, if the finished body were in contact with the ground, which would produce heat, also the expansion would cause warping and cracking of the set body. The calcium chloride being soluble, would be bleached out of the body resulting in the weakening of the body.

Applicants endeavor to overcome this difficulty by the use of magnesium sulphate along with the magnesia, magnesium chloride, water and inert filling materials. The magnesium sulphate reacts with the lime or calcium chloride in the mix precipitating calcium sulphate which is insoluble and inert. It is stated that this cal-

cium sulphate remains uniformly distributed in the body. • • •

• • • • • • •

The prior art clearly discloses the use of such mixtures of calcined magnesite, filler, magnesium chloride and magnesium sulphate, the same materials as are used by applicant.

Appellants in this court urge that the gist of the invention is keeping calcium sulphate in the mixture and having it serve a useful purpose rather than that of getting rid of it. They emphasize in their specification and in their brief before this court, as well as in most of the claims on appeal, such as claim 1, that it was necessary in making the plastic composition, which consisted of calcined magnesite, inert and cellular filler materials, and a plasticising fluid, to use a *sufficient amount* of the latter which contained (quoting from claim 1)

"magnesium sulphate sufficient to precipitate and *maintain in place as* calcium sulphate substantially all active calcium in the composition." [Italics ours.]

All the ingredients were old in the prior art, but it is emphasized that certain of them should be used in sufficient quantities to bring about certain results. In appellants' brief, in discussing the Dow reference, they say:

In other words, so far as this publication goes the "full significance" of precipitating the calcium chloride as calcium sulphate was in improving the water resistance properties and in decreasing the volume change in the cement, and there the teaching of the article stops.

There is no appreciation of the desirability of maintaining the precipitated calcium sulphate in the places where it is formed in the solution. Dow certainly does not say or show that the calcium sulphate adds any mechanical strength or any resiliency to the finished product in his case.

It seems clear that appellants' claimed invention in the claims appealed rests in bringing about certain alleged desirable results by the use of a sufficiency of certain old ingredients, the amount being stated broadly in the appealed claims and within definite limitations in the allowed claims.

We are at some loss to understand the exact attitude of the Board of Appeals with reference to its approval of the rejection by the Examiner on the ground of undue multiplicity of the claims. It considered them all, allowed four, and approved the decision of the Examiner holding that the remainder of the claims were "multifarious and properly rejected also for this reason."

[1] An applicant for a patent does not comply with the statutory requirement if he does not

"file in the Patent Office a written description • • • in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it [the claimed invention] appertains, or with which it is most nearly connected, to make, construct, compound, and use the same."

If, in attempting to define his invention, he has unduly multiplied his claims so as to bring about confusion, rather than clarity and conciseness, he has not complied with the mandate of the statute, and the Patent Office, under such circumstances, may properly reject all the claims of the application on that ground alone.

Since the Patent Office did not stand alone upon its rejection of the claims on the ground of undue multiplicity, and since we agree with the rejection upon the prior art, we do not find it necessary to make this ground of rejection the basis of our decision herein. In passing, it may be said that it is difficult to understand why it required so many claims to define appellants' alleged invention. The record is replete with numerous amendments, submissions of new claims, and petitions for reconsideration.

We approve of the action of the Board of Appeals in affirming the decision of the Examiner, rejecting the claims here on appeal on the prior art cited. We will not consider the rejection on the ground of undue multiplicity of the claims, or the rejection upon the ground that some of the claims are of "indefinite and functional nature."

[2] Appellants' appeal does not include claims 5, 6, 14, 17, 18, 20, 23, 24, 25, 34, 36, 38, and 40. There is, therefore presented for our consideration only nine claims—1, 2, 10, 13, 16, 41, 42, 44, and 46. It may be remarked here that if this court found it necessary to consider the question of undue multiplicity of the claims, appellants' dismissal of the appeal as to the claims above enumerated would have no effect on the issue as it comes to us.

Claims 1, 2, 10, 13, and 16 were rejected on Snell and Lukens et al. (1,838,147), in view of Gallinowsky, Turner, Dow, and Conti. It was pointed out by the Examiner that the prior art cited clearly disclosed the use of mixtures of calcined magnesite, filler, magnesium chloride and magnesium sulphate, all these materials being used by the applicants. The Examiner stated:

Conti, Lukens et al., Snell, Sorel and the Dow Chemical Co. Bulletin (Plastic Magnesia Cements) clearly disclose that it is old to use magnesium sulphate in order to precipitate the lime present in the mixture as calcium sulphate. The above patents clearly show the use of pumice, asbestos, wood flour or sawdust, silex and diatomaceous earth (kieselguhr) which are the same fillers that applicants use. The use of light cellular aggregates to produce a light weight material is well known in the art and is clearly shown in the references. It is obvious that applicants' claims read directly on the references cited (Conti, Lukens et al., Snell, Sorel and the Dow Chemical Co. Bulletin pages 20 to 26 and 66 showing the use of various fillers); the functional statements cannot be considered as differentiating the claims from this prior art. See *Holland Furniture* v. *Perkins Glue*, 275 U. S. 512; 1928 C. D. 266 (a decision of the United States Supreme Court):

"Where the only attempt to restrict the claims to avoid the cited art is to claim the invention disclosed by functional statements which in view of the art is old, there is no invention."

The Examiner also cited on this phase of the case *Ex parte McCulley and Ruehlmann*, 1929 C. D. 68, 382 O. G. 3.

The Examiner further stated:

Applicants have filed affidavits for the purpose of showing that one particular example shown in the prior art does not produce the results obtained by the use of proportions as set forth in applicants' specification, especially in regard to the uniform distribution of the calcium sulphate. The references teach many proportions and it is obvious that anyone skilled in the art, if he found that the proportions taught did not produce the desired results, would vary the proportions so as to secure better results. It is also obvious that if it is wished to prevent settling of the ingredients the mass should be made thicker or more viscous. The McCaughey reference shows the variation of the relative proportions in such oxychloride cements. Although this reference states that free lime may be present, the other references clearly teach the removal of the free lime by precipitation as calcium sulphate. The affidavit of Friedman amounts merely to pointing out the differences between applicants' material and that of the various references. What the various references teach is to be obtained from the references themselves and is not proper subject matter of an affidavit.

[3] Appellants filed several affidavits in an attempt to show that their product differed in quality from those produced by prior art methods. We have examined the affidavits with care, and the references cited by the Examiner and relied upon by the Board, and we are not convinced that the broad claims which have been rejected by both tribunals are patentable over the prior art cited. It seems too obvious for extended discussion that appellants' contribution to the art has been by experimentation in discovering the exact proportions of the ingredients used, all of which ingredients were old in the art. For this contribution the Patent Office has allowed four claims, and we think that if appellants have contributed to the art in a patentable sense, they are amply protected for such contribution in the claims thus allowed.

The decision of the Board of Appeals, affirming that of the Examiner in the rejection of the appealed claims, is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HAIR NET PACKERS, INC.

No. 4,383. Decided November 8, 1940

[— F.(2d) —]

1. TRADE-MARKS — REGISTRABILITY — MISDESCRIPTIVE MARK.

"This court and other courts have frequently held that as to registrability, it does not help the situation for a trade-mark to be misdescriptive rather than descriptive."

2. SAME—SAME—"PROFESSIONAL."

Registration of the word "Professional" as a trade-mark for hair curlers, hair winders, hair clamps, hair pressers, hair pins and hair rollers *Held* properly refused on the ground that it is descriptive of the goods.

APPEAL from Patent Office. Affirmed.

GARRETT, *P. J.*, dissenting.

Mr. Charles M. Palmer for Hair Net Packers, Inc.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

This appeal involves an application to have registered in the United States Patent Office the notation "Professional" as a trade-mark for hair curlers, hair winders, hair clamps, hair pressers, hair pins and hair rollers. The application was denied by the Examiner of Trade-Marks, whose decision was affirmed by the Commissioner of Patents.

In the course of his statement, following the appeal to the Commissioner, the Examiner said:

• • • The mark is refused as not a trade-mark. It is clear that the highly-trained technicians of the beauty shops are fairly described as "professionals". If they were not such, discriminating ladies would no more patronize them than they would an inexperienced doctor. The goods listed may or may not be of the type specially designed for professional use. They may, indeed, be the simplest things suitable for use by the uninitiated; but their denomination as "Professional" indicates that they are specially adapted for use by the highly-trained technicians who minister to the beauty of the feminine public. Applicant's advertisements state: "Used by Famous Hairdressers".

A mark is to be regarded as descriptive whether or not it actually describes applicant's goods if it describes the like goods of others (*Ex parte Brady*, 253 O. G., 954).

Many decisions have been cited by the Examiner of alleged word-marks held not to be trade-marks at all. Attention may be called, however, to *In re Brunswick-Balke-Collender Company*, 421 O. G., 229; 56 F.(2d), 890, in which the notation "League", as applied to bowling pins, was held not to be a trade-mark, but merely to indicate professional origin as emanating from or adopted for some league.

It is thought the mark lacks trade-mark significance.

The Commissioner in affirming the decision of the Examiner said:

In the brief it is stated that "applicant's goods are for general use by all of the public including amateurs, highly trained technicians, and even others not belonging in either of these classifications." On the specimens filed with the application, however, "showing the trade-mark as actually used by applicant upon the goods," appears the notation: "Used by leading hairdressers." To some extent, at least, it would seem that applicant has thus intended its mark to convey the information suggested by the Examiner.

Whether or not the mark is entirely devoid of trade-mark significance need not be determined here, because if it is descriptive of the goods the fact that it may also denote origin does not cure its nonregistrability under the act of 1905.

It is my opinion that the mark is descriptive, and for that reason the Examiner's refusal to register is affirmed.

Since we are certain that the term "Professional," as applied to the goods listed in the instant application for registration, is clearly descriptive within the meaning of the statute, we are in agreement with the conclusions reached by the tribunals below.

The pertinent part of section 5 of the Trade-Mark Act of February 20, 1905, as amended (15 U. S. C. 85), reads as follows:

• • • That no mark which consists • • • merely in words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods • • • shall be registered • • •.

This provision, of course, must be considered in connection with the mandatory provision of said section 5 which states that:

• • • no mark by which the goods of the owner of the mark may be distinguished from other goods of the same class shall be refused registration as a trade-mark on account of the nature of such mark unless [etc.]

Of course it is obvious that if the mark is descriptive, it does not distinguish the goods of one from those of another.

Appellant argues in this court that there are only a few of the many millions of certain of the articles upon which it uses its trade-mark which are used by the beauty parlors or in the hairdressing trade. It contends that the term "Professional" applied to some of the articles involved

"is suggestive of one of the desirable characteristics and consequently such expression adds prestige to the item"

and that the mark is

"specifically suggestive without being descriptive."

It is sometimes difficult to determine when a mark is suggestive only, although the courts have frequently spoken on this question, but it seems clear that in the instant case appellant wishes to convey the information by its trade-mark that its goods are those that are used by professional hairdressers.

Some argument was made to the effect that hairdressing is not a profession. This leads us to consider the meaning of the term "professional." In Webster's New International Dictionary a distinction is made between the terms "profession" and "professional" and the latter term is defined as follows:

2. *a* Engaged in by professionals; as, a professional race;—opposed to amateur. *b* Engaging in a profession or, *by extension*, any calling as a means of livelihood or for gain; as a professional golf player;—opposed to amateur. ["By extension" italicized by us.]

The term "professional" is broad enough to include hairdressers and it is obvious from all the facts at bar that appellant's adoption of the mark was evidently prompted by this consideration.

[1] The contention that appellant's goods are for the most part used by those who are not professionals is unavailing. This court and other courts have frequently held that as to registrability, it does not help the situation for a trade-mark to be misdescriptive rather than descriptive. This is the view which was entertained by the Trade-Mark Examiner when he stated that a mark was to be regarded as descriptive when it "describes the like goods of others." This court in a number of cases has held to the same effect. It will be sufficient to cite this court's decision in the case of *In re Bonide Chemical Co., Inc.*, 18 C. C. P. A. (Patents) 909, 407 O. G. 4, 46 F.(2d) 703, which involved the registrability of the term "Crow-Tox" applied to a preparation used in protecting seeds against birds and animals. Among other things it was urged there, after admitting that "Crow-Tox" meant crow poison, that there was no poison contained in the preparation. In affirming the decision of the Commissioner denying registration, we said:

> We think, therefore, that "crow-tox" is in all respects, as regards its meaning, the same as "crow poison." Hence the effort to register it under appellant's amended application raises the somewhat novel question whether, under the registration statute, a word may be registered as a trade-mark when it is used upon a preparation which it, in fact, misdescribes. It does not speak the truth. If it did, admittedly, it would not be registrable. Since it speaks falsely, may it be admitted as not descriptive.
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> • • • • • • •
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> We are at a loss to understand how one can acquire legal title—an ownership protectable in the courts—of a mark (there being no ownership except when predicated upon use) which it is proposed to apply to a product and by it indicate that the product is of a particular character or quality when, in fact, it has no such quality and then secure registration of the mark, on its face descriptive, upon the statement that it is not descriptive because false and misleading. It is inconceivable that Congress ever intended that any such result should be accomplished under the registration statute, notwithstanding the declaration that no mark, save certain excepted ones, should be refused registration.

The principle announced in the "Crow-Tox" case, supra, is so thoroughly settled as to require no further citation of authority.

Appellant here relies upon such cases as *In re One Minute Washer Company*, 25 C. C. P. A. (Patents) 978, 95 F.(2d) 517, 494 O. G. 245, which involved the trade-mark "One Minute" for washing machines, and *Van Camp Sea Food Co. (Inc.)* v. *The Alexander B. Stewart Organizations*, 18 C. C. P. A. (Patents) 1415, 50 F.(2d) 976, 412 O. G. 274, which involved the registration of "Chicken of the Sea" for tuna fish. In both cases it was held that the marks were not descriptive; that "One Minute" was suggestive and not descriptive of the speed of the machine, and that "Chicken of the Sea" was suggestive of a characteristic of the goods but in no sense descriptive. Those and like cases are distinguishable from the case at bar.

[2] The term "Professional" is more than suggestive. It describes the quality of the goods as being of the character used by professional hairdressers, and appellant may not have a monopoly upon the term in describing its goods even though it is in part misdescriptive of them.

We think that our conclusion here is supported by our decision in the case of *In re Brunswick-Balke-Collender Co.*, 19 C. C. P. A. (Patents) 1055, 56 F.(2d) 890, 421 O. G. 229, in which it was held that the word "League" was not registrable as a trade-mark for bowling pins. In that case it appeared that the American Bowling Congress, under its rules, regulated the size and weight of official pins, and that certain of the games were called "League games." We there said:

> • • • The word "League" as used by the appellant here is, to our mind, clearly either descriptive or misdescriptive. In either event, it ought not to be registered as a trade-mark. Every maker of bowling pins ought to be able to call his pins "League" pins if they comply with the rules generally obtaining in league games.

A case quite in point is *In re National Phonograph Co.*, 29 App. D. C. 142, 128 O. G. 1295. The term sought to be registered there was "Standard" as applied to phonographs. It appeared that the phonographs to which it was applied were of inferior quality and not standard. After holding that the term was descriptive within the meaning of the then existing statute, prohibiting the registration of descriptive marks, the court said:

> We agree with the Commissioner that the applicant's claim to use "Standard" as a trade-mark is in no wise strengthened because the applicant contends that it only applies the word to machines of inferior design and which are not in any sense standard. The word cannot be used, whether it be truly descriptive or falsely descriptive.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

GARRETT, *P. J.*, (dissenting):

I do not agree with my associates and the tribunals of the Patent Office that the notation "Professional" consists merely in a word descriptive (or misdescriptive) of the goods, or of the character or quality of the goods, to which appellant applies it.

Under some of the definitions of "Professional," the notation may indicate, or suggest, the character of some of the users of the goods (although I do not wish to be understood as passing upon the question of whether hairdressing is a profession as distinguished from a trade), but as to the per se character or quality of the goods nothing is described, nor is anything even suggested in that respect.

I am unable to see wherein the Bonide Chemical Co. case, cited by the majority, has any application here. It was there held, in effect, that the notation "Crow-Tox," used upon a preparation for protecting seed against birds and animals and for invigorating seeds, was, upon the record presented ("Crow-Tox" being the equivalent of "Crow-Poison," and the preparation being conceded to be nonpoisonous) misdescriptive of the preparation.

The Brunswick-Balke-Collender Co. case, cited by the majority (and by the Patent Office Examiner), seems to me clearly distinguishable from the instant case. We there refused registration of the word "League" as a trade-mark for bowling pins. The record disclosed that an organization known as the American Bowling Congress had adopted rules regulating the size and weight of official pins for use in league bowling games. Clearly, the word "League," as it was there proposed to use it, would have been descriptive of a character or quality—size or weight—of the pins.

In the National Phonograph Co. case, also cited by the majority, obviously the word "Standard," which it was sought to register for use on phonographs, had particular reference to a character or quality of the goods—not to the users of the goods.

In truth I have found no decided case which, in my opinion, properly may be regarded as on all fours with this case. With me the issue here is largely a matter of first impression.

I do regard the case of *In re National Candy Co.*, 35 App. D. C. 351, 156 O. G. 539, somewhat analogous. The applicant there sought to register "Navy" for use on candy, some of which was sold as supplies for use by the personnel of the Navy. The court held the mark to be purely fanciful and arbitrary as applied to candy. It seems to me that such is the situation with respect to "Professional" applied to hair curlers, hair winders, hair clamps, hair pressers, hair pins, and hair rollers.

It is my view that appellant is entitled to the registration here sought.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,437,122, G. F. Wells, Electrical cooking utensil; 1,470,899, 1,534,431, same, Electrical waffle iron, D. C., N. D. Calif. (San Francisco), Doc. E 3944–R, *Wells Mfg. Co.* v. *Montgomery Ward & Co.* Consent decree holding patents valid and infringed, injunction Nov. 25, 1940. Doc. E 4041–R, *Wells Mfg. Co.* v. *Sears Roebuck & Co.* Decree as above.

1,470,899. (See 1,437,122.)

1,488,656, G. H. Wallace, Chemical heater; 2,040,407, R. E. Reed, Chemical heating composition, D. C., N. D. Ill., E. Div., Doc. 1390, *The Kendall Co.* v. *De Roos Laboratories, Inc.* Dismissed without prejudice Oct. 9 1940. Doc. 1428, *The Kendall Co.* v. *Isana Products, Inc.* Dismissed without prejudice Apr. 10, 1940.

1,534,431. (See 1,437,122.)

1,576,727, A. J. Deniston, Jr., Fastening device for sheet metal roofings and sidings; 1,953,592, same, Combined fastening and sealing device; 2,077,784, E. D. Tripp, Process of manufacturing nails, filed Dec. 23, 1940, D. C., N. D. Ill., E. Div., Doc. 2452, *A. J. Deniston, Jr.*, v. *Dickson Weatherproof Nail Co.*

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths therefor; 1,802,463, same, Process of producing chromium-plated articles with mirror-like scratch-finish, or like surfaces, filed Dec. 4, 1940, D. C., S. D. Ind. (Indianapolis), Doc. 342, *United Chromium, Inc.* v. *G. J. Mayer Co.*

1,644,114, C. A. Dunham, Method of heating by steam; 1,983,218, same, Heating system, D. C., N. D. Ill., E. Div., Doc. 775, *C. A. Dunham Co.* v. *Illinois Engineering Co.* Claims 1, 3, 12, 14, and 15 of 1,644,114, and claims 23, 37, and 58 of 1,983,218 held valid and infringed, injunction Nov. 29, 1940.

1,726,233. (See Re. 17,650.)

1,736,544, H. E. Mead, Cigar lighter; 2,129,374, A. A. Johnson, Electric cigar lighter; 2,140,311, J. H. Cohen, Cigar lighter, D. C., N. D. Ill., E. Div., Doc. 16188, *The Automatic Devices Corp.* v. *Sinko Tool & Mfg. Co.* Decree of July 14, 1939, vacated, injunction dissolved, bill and supplemental complaint dismissed Dec. 12, 1940.

1,773,695. C. W. Morden, Method for concealing the visibility of joints in composite surfaces; 1,941,769, G. J. Ward, Impregnated fibrous block; 2,163,757, MacLean & Pollard, Apparatus for weatherproofing composition board, filed Nov. 4, 1940, D. C., N. D. Ill., E. Div., Doc. 2295, *Mastic Asphalt Corp.* v. *Ford Roofing Products Co.*

1,802,463. (See 1,581,188.)

1,804,557, Gould & Lake, Fuel metering apparatus; 1,918,606, J. T. Lake, same, D. C., N. D. Ill., E. Div., Doc. 1367, *Economy Electric Devices Co.* v. *S. F. Bowser & Co., Inc.* Dismissed by stipulation Dec. 11, 1940.

1,826,340. (See Re. 20,369.)

1,868,444. (See Re. 20,369.)

1,918,606. (See 1,804,557). 1,941,769. (See 1,773,695.)

1,951,467. (See Re. 20,756.)

1,953,592. (See 1,576,727.)

1,955,327. (See Re. 17,650.)

1,961,235. (See 2,115,642.)

1,966,286. (See Re. 17,650.)

1,976,694. (See 2,008,299.) 1,983,218. (See 1,644,114.)

2,008,229, 2,024,069, J. H. Sharp, Bolt; 2,024,070, same, Method of making bolts; 2,024,071, Taylor & Strid, Bolts; 2,021,279, 1,976,694, H. E. Anderson, Brake beam support; 2,047,455, same, Brake bottom rod support, suit for declaratory judgment filed Dec. 9, 1940, D. C., N. D. Ill., E. Div., Doc. 2410, *Grip Nut Co.* v. *J. H. Sharp.*

2,021,279. (See 2,008,229.) 2,024,069. (See 2,008,229.)

2,024,070. (See 2,008,229.) 2,024,071. (See 2,008,229.)

2,032,915, V. W. Cunningham, Tumbler washing device; 2,032,916, same, Method of and apparatus for washing glasses; 2,153,238, same, Method of and apparatus for washing receptacles such as tumblers, D. C., N. D. Ill., E. Div., Doc. 478, *V. W. Cunningham* v. *The Hobart Mfg. Co.* Dismissed by stipulation without prejudice Dec. 4, 1940.

2,032,916. (See 2,032,915.) 2,040,407. (See 1,488,656.)

2,047,455. (See 2,008,229.)

2,060,472. (See Re. 17,650.)

2,070,399, T. H. Goldring, Container and carrier for bottled goods; 2,094,744, C. D. Keith, Bottle carrier, C. C. A., 2d Cir., Doc. —, *C. D. Keith* v. *The C. E. Hires Co., Inc.* Decree affirmed (notice Jan. 2, 1941).

2,077,784. (See 1,576,727.) 2,094,744. (See 2,070,399.)

2,100,254, B. C. Kridler, Clip for fastening roofing; Re. 20,470, C. J. Dexter, Roll roofing fastener, D. C., N. D. Ind. (Hammond), Doc. 195, *Seal All Clip Co.* v. *C. J. Dexter.* Declaratory judgment that Patent 2,100,254 is not an infringement on defendant's Re. 20,470; claims 2, 3, 4, 5, 8, 9, 10, and 11 of reissue held invalid, injunction Dec. 20, 1940.

2,115,642, E. Martin, Electrical conductor terminal cap, D. C., N. D. Ill., E. Div., Doc. 1031, *G. H. Glade, Jr.* v. *Walgreen Co. et al.* Claims 1, 5, 7, 8, 9, 10, and 11 of 2,115,642 held valid and infringed, injunction. Claims 5, 8, 9, 10, and 11 of 1,961,235 held invalid; that these two patents are not interfering patents; counterclaim dismissed for want of equity Dec. 27, 1940.

2,129,374. (See 1,736,544.) 2,140,311. (See 1,736,544.)

2,147,793, W. J. Kropp, Process of manufacturing packing and insulating material; 2,166,926, same, Packing and insulating material, filed Dec. 18, 1940, D. C., N. D. Tex. (Fort Worth), Doc. 241, *Insul-Wool Insulation Corp.* v. *The Texas Supply Co.*

2,153,238. (See 2,032,915.) 2,163,757. (See 1,773,695.)

2,165,227, B. Cooper, Switch; 2,166,090, same, Treadle controlled system; 2,205,555, same, Treadle circuit, filed Dec. 19, 1940, D. C., S. D. N. Y., Doc. 12/130, *Taller & Cooper* v. *Westchester County, N. Y.*

2,166,090. (See 2,165,227.) 2,166,926. (See 2,147,793.)

2,188,301. (See Re. 19,653.)

2,205,555. (See 2,165,227.)

Re. 17,650, J. H. Kendig, Switch mechanism; Re. 17,736, F. G. Von Hoorn, Electric switch; 1,726,233, H. K. Krantz, Motor starting switch; 1,966,286, 1,955,327, H. D. Dorfman, Circuit breaker; 2,060,472,

J. Sandin, same, D. C., N. D. Ill., E. Div., Doc. 1271, *Westinghouse Electric & Mfg. Co.*, v. *Cutler-Hammer, Inc.* Dismissed by stipulation without prejudice Oct. 19, 1940.

Re. 17,736. (See Re. 17,650.)

Re. 19,653, R. Naftali et al., Sewing machine; 2,188,301, same, Method and means for stitching necktles, filed Dec. 20, 1940, D. C., S. D. N. Y., Doc. 12/159, *American Machine & Foundry Co.* v. *McCurrach Organization, Inc.*

Re. 20,369, A. Lanser, Liquid measuring apparatus; 1,826,340, R. E. Bechtold, Liquid dispensing apparatus; 1,868,444, same, Air eliminator for liquid; Re. 21,186, C. P. Griffith, Air release mechanism for dispensing apparatus, D. C., N. D. Ill., E. Div., Doc. 220, *S. F. Bowser & Co., Inc.*, v. *Gilbert & Barker Mfg. Co.* Patents 1,826,340 and 1,868,444, dismissed Feb. 24, 1939. Complaint and supplemental complaint dismissed: Re. 20,369 and Re. 21,186 held not patentable inventions Dec. 27, 1940.

Re. 20,470. (See 2,100,254.)

Re. 20,756 (of 1,951,467), F. J. Baumeister, Sign, D. C., N. D. Ill., E. Div., Doc. 15767, *North American Service Co.* v. *Dae-Nite Displays et al.* Consent decree (as to all defendants except C. R. Hudson) holding patent valid and infringed, injunction Dec. 23, 1940.

Re. 21,186. (See Re. 20,369.)

T. M. 127,809, T. M. 260,901, C. W. Beggs Sons & Co., Cosmetics; T. M. 216,829, same, Shaving cream, brilliantine, cold cream, etc., T. M. 260,940, same, Brilliantine; T. M. 320,694, same, Face powder, lip and facial rouge, cold cream, etc., filed Dec. 14, 1940, D. C., N. D. Ill., E. Div., Doc. 2430, *C. W. Beggs Sons & Co.* v. *Consolidated Royal Chemical Corp. et al.*

T. M. 162,587, The Rytex Co., Boxed stationery; T. M. 382,443, same, Stationery, filed Dec. 23, 1940, D. C., N. D. Ill., E. Div., Doc. 2453, *The Rytex Co.* v. *The Ryan Art Co.*

T. M. 216,829. (See T. M. 127,809.)

T. M. 260,901. (See T. M. 127,809.)

T. M. 260,940. (See T. M. 127,809.)

T. M. 299,548, Hat Corp. of America, Hats and caps, leather good, etc., alleges infringement of above trade-mark and prays for cancellation of T. M. 376,748, H. N. Fried, Women's and misses' dresses, filed Nov. 23, 1940, D. C., N. D. Ill., E. Div., Doc. 2351, *Hat Corp. of America* v. *H. N. Fried & Co.*

T. M. 320,694. (See T. M. 127,809.)

T. M. 343,580, Mitchell & Weber, Inc., Women's and misses' blouses; T. M. 353,704, A. Geist, Women's and misses' blouses and dresses, D. C., N. D. Ill., E. Div., Doc 2032, *Mitchell & Weber, Inc.*, v. *Shulder & Schloss, Inc.* Consent decree holding trade-marks valid and infringed Nov. 18, 1940.

T. M. 344,294, T. M. 346,554, T. M. 369,356, B. & L. Laboratories, Inc., Saponaceous material having incidental water softening properties for forming bubbles, filed Nov. 27, 1940, D. C., N. D. Ill., E. Div., Doc. 2366, *B. & L. Laboratories, Inc.*, v. *M. W. Bernstein et al.*

T. M. 346,554. (See T. M. 344,294.)

T. M. 353,704. (See T. M. 343,580.)

T. M. 369,356. (See T. M. 344,294.)

T. M. 376,748. (See T. M. 299,548.)

T. M. 382,443. (See T. M. 162,587.)

Disclaimers

2,017,941.—*Carl Braun*, Canastota, N. Y. DEVICE FOR CLEANING RECEPTACLES. Patent dated October 22, 1935. Disclaimer filed February 12, 1941, by the assignee, *Carl Braun, Inc.*

Hereby enters this disclaimer for so much of claims 12 and 13 which is in excess of the following:

12. Apparatus for the purpose described, combining a can guideway for inverted cans, a cover guideway, means for advancing the cans in said guideway, means at the delivery end of said can guideway for uprighting the cans, mechanism for moving the uprighted cans laterally to a position below the delivery point of the cover-advancing guideway, and means for causing a cover as each can is moved below said delivery point to descend to the can top from said cover guideway.

13. Apparatus for the purpose described, combining means comprising a can guideway for advancing a series of cans in inverted position, means other than the means for advancing the cans comprising a cover guideway for simultaneously advancing a series of covers in the same general direction as the cans, the delivery point of the cover guideway being extended beyond the means for advancing the cans in inverted position, means at the delivery end of the can advancing means for righting the cans, mechanism for moving the righted cans laterally to a position below the delivery point of the cover-advancing guideway, means for causing a cover as each can is moved below said delivery point to descend to the can top, and means for moving the cans with their applied covers away from the cover applying position.

2,100,845.—*Ehrhart Franz*, Leipzig, and *Max Hardtmann*, Naunhof, near Leipzig, Germany. PRODUCT FOR INCREASING THE SLIP OF TEXTILE MATERIALS. Patent dated November 30, 1937. Disclaimer filed February 7, 1941, by the assignee, *American Hyalsol Corporation.*

Hereby enters this disclaimer to claim 3 in said specification, and to that portion of claim 1 in which the hydrophilic group is chosen from the group of radicals which consists of the hydroxyl and specifically by disclaiming the words "the hydroxyl" which appear on page 3, second column, line 18 of said Letters Patent.

2,204,223.—*Howard C. Lawton* and *Albert G. Loomis*, Berkeley, Calif. METHOD OF TREATING OIL AND GAS WELLS. Patent dated June 11, 1940. Disclaimer filed February 4, 1941, by the assignee, *Shell Development Company.*

Hereby enters this disclaimer to claim 1 in said specification.

2,212,100.—*Clyde D. Kraton*, New York, N. Y. COPPER MAKER. Patent dated August 20, 1940. Disclaimer filed February 17, 1941, by the assignee, *Stanley S. Tumbridge.*

Hereby enters this disclaimer to claim 2 in said specification.

Adjudicated Patents

(C. C. A. Conn.) Thompson patent, No. 1,695,302, for electric heater, claim 32 *Held* not infringed. *Thompson* v. *Westinghouse Electric & Manufacturing Co.*, 116 F.(2d) 422.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,157,313, F. W. Alles and F. N. Sarber, Conditioning metal stock while in transit, decided February 8, 1941, claim 5.

Pat. 2,163,017, S. H. Berch, Package for food products and the like, decided February 21, 1941, claims 1, 2, 3, and 4.

Pat. 2,166,967, C. R. Raney, R. D. MacDonald, and S. E. Hillblom, Tractor mower, decided December 31, 1940, claims 1 and 20.

Pat. 2,180,542, G. H. Osgood, Glue base, decided February 18, 1941, claim 1.

Pat. 2,213,743, R. G. Miner, Control apparatus for unloading compressors, decided February 18, 1941, claims 2 and 3.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 11, 1941

[VOL. 524. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 438,618. ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine. Filed Dec. 7, 1940.

MICE JAX

Applicant disclaims the word "Mice" apart from the mark.

FOR MICE.

Claims use since Nov. 4, 1940.

Ser. No. 439,020. GENERAL LATEX AND CHEMICAL CORPORATION, Cambridge, Mass. Filed Dec. 19, 1940.

FRIOTEX

FOR RUBBER LATEX IN NATURAL, DILUTE, OR CONCENTRATED FORM.

Claims use since Dec. 9, 1940.

CLASS 2

RECEPTACLES

Ser. No. 439,257. SUPERIOR PAPER PRODUCTS COMPANY, Robinson Township, Allegheny County, Pa. Filed Dec. 28, 1940.

Super Kraft

No claim is made to the word "Kraft" apart from the mark.

FOR CORRUGATED PAPER SHIPPING CONTAINERS.

Claims use since Nov. 8, 1940.

Ser. No. 439,575. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y. Filed Jan. 11, 1941.

GOLDMEDAL

FOR PAPER FOOD DISHES.

Claims use since March, 1925.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 439,842. THE SPRINGFIELD LEATHER PRODUCTS COMPANY, Springfield, Ohio. Filed Jan. 21, 1941.

Billie

FOR BILLFOLDS.
Claims use since Sept. 1, 1940.

Ser. No. 439,940. LESSER BAG INC., New York, N. Y. Filed Jan. 24, 1941.



FOR HANDBAGS AND POCKETBOOKS.
Claims use since September, 1939.

Ser. No. 440,091. GOLDSMITH BROTHERS MANUFACTURING CO., INC., New York, N. Y. Filed Jan. 29, 1941.

"TWIN-ZIP"

FOR LADIES' HANDBAGS.
Claims use since Jan. 22, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 434,159. ROSARIO PATTI, doing business as Patti Products, Geneva, N. Y. Filed July 19, 1940.



All wording is disclaimed apart from the mark. The picture is fanciful. The drawing is lined for blue and orange.
FOR WASHING FLUID.
Claims use since May 1, 1935.

Ser. No. 435,990. ALBERT E. VICTORE, Chicago, Ill. Filed Sept. 14, 1940.

nylon-nene

The word "Nylon" is disclaimed apart from the mark.
FOR CLEANER FOR FABRICS.
Claims use since Aug. 19, 1940.

Ser. No. 436,785. ALBERT IRVING WIGLER, doing business as Addison-Proctor Company, Newark, N. J. Filed Oct. 9, 1940.

Treet

FOR BELT DRESSING, DRY CLEANER PREPARATION, HAND SOAP CLEANER, ABRASIVE METAL POLISH, CLEANER FOR ARTIFICIAL TEETH OR DENTAL PLATES.
Claims use since Aug. 10, 1939.

Ser. No. 438,350. PAPER AND INDUSTRIAL APPLIANCES, INC., New York, N. Y. Filed Nov. 29, 1940.

ATTRITOR

FOR ABRASIVE INSETS OR SEGMENTS FOR REFINERS OR OTHER GRINDING APPARATUS FOR PAPER FIBERS OR PULP.
Claims use since Nov. 12, 1940.

Ser. No 438,380. DEWEY I. DOYLE, doing business as Doyle Vacuum Cleaner Co., Grand Rapids, Mich. Filed Nov. 30, 1940.

Spot-Doctor

FOR CLEANING FLUID KITS CONTAINING LIQUID CHEMICALS FOR REMOVING SPOTS IN CLEANING CLOTHING, FABRICS, AND THE LIKE.
Claims use since Oct. 17, 1940.

Ser. No. 439,274. THE HALL-WATSON COMPANY, INC., New York, N. Y. Filed Dec. 30, 1940.

ECONOMITE

FOR SOAPS, AND A CLEANING POWDER POSSESSING INCIDENTAL CHEMICAL PROPERTIES, ESPECIALLY ADAPTED FOR USE ON FLOORS, WALLS, AND THE LIKE.
Claims use since Dec. 20, 1938.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 434,969. CLAIROL, INC., New York, N. Y. Filed Aug. 14, 1940.

Joan Clair

The mark connotes the facsimile of the signature of Joan Clair, president of applicant corporation.
FOR LOTIONS, CREAMS, CHEMICALLY TREATED PADS, CHEMICAL EXOTHERMIC HEATING PADS, AND HAIR TREATING SOLUTIONS ALL FOR USE IN PERMANENT AND FINGER WAVING PROCESSES.
Claims use since June 5, 1940.

Ser. No. 434,970. CLAIROL, INC., New York, N. Y. Filed Aug. 14, 1940.

WATER BALANCE

FOR LOTIONS, CREAMS, AND CHEMICALLY TREATED PADS ALL FOR USE IN PERMANENT OR FINGER WAVING PROCESSES.
Claims use since June 5, 1940.

Ser. No. 439,065. ARKANSAS COMPANY, INC., Newark, N. J. Filed Dec. 21, 1940.

PERMOLITE

FOR CHEMICAL PREPARATION USED IN THE FINISHING OF TEXTILE FABRICS.
Claims use since August, 1937.

Ser. No. 439,097. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Dec. 23, 1940.

D-72

FOR PHOTOGRAPHIC CHEMICALS.
Claims use since Aug. 23, 1934.

Ser. No. 439,122. OPTIMUS PHARMACEUTICALS COMPANY, INC., Taylors, S. C. Filed Dec. 23, 1940.

Optaural

FOR MEDICINAL PREPARATION FOR USE AS AN EAR DROP.
Claims use since October, 1940.

Ser. No. 439,175. RAP-I-DOL DISTRIBUTING CORPORATION, New York, N. Y. Filed Dec. 24, 1940.

RAP-I-DOL

FOR SHAMPOO TINT, SKIN LOTION AND POWDER BASE, CONDITIONING SHAMPOO AND DANDRUFF REMOVER, EFFERVESCING HAIR COLOR RINSE AND PERFUME.
Claims use on shampoo tint, since Oct. 24, 1924; on skin lotion and powder base, since Mar. 7, 1936; on conditioning shampoo and dandruff remover, since May 16, 1935; on effervescing hair color rinse, since Oct. 12, 1937; and on perfume, since December, 1937.

Ser. No. 439,243. TERSCH PATENTS AND CHEMICALS INC., New York, N. Y. Filed Dec. 27, 1940.

QUICK-CIDE

The word "Quick" is disclaimed apart from the mark.
FOR INSECTICIDES.
Claims use since Nov. 13, 1940.

Ser. No. 439,305. HARRY W. FEATHERSTONE, doing business as H. W. Featherstone & Co., Worcester, Mass. Filed Dec. 31, 1940.

Fibertone

FOR SPECIAL CHEMICAL PREPARATION FOR USE IN WATERPROOFING, MOTHPROOFING, SOFTENING, PENETRATING, AND CLEANING TEXTILE AND LEATHER FIBER PRODUCTS SUCH AS JUTE, SILK, COTTON, RAYON, WOOLEN, HAIR, AND ANALOGOUS FIBERS USED IN THE MANUFACTURE OF TEXTILES, AND A VEHICLE FOR RENDERING COLORS FAST.
Claims use since Oct. 1, 1940.

Ser. No. 439,309. WM. MONTGOMERY COMPANY, Philadelphia, Pa. Filed Dec. 31, 1940.

Montco

FOR AMMONIA AND BLUING.
Claims use since 1929.

Ser. No. 439,367. SCHERING CORPORATION, Bloomfield, N. J. Filed Jan. 2, 1941.

DUAL-ASPIRIN

The term "Aspirin" per se is disclaimed.
FOR MEDICINAL PREPARATION FOR USE AS ANTIPYRETIC, ANALGESIC, AND ANTIRHEUMATIC IN THE TREATMENT OF RHEUMATISM, ARTHRITIS, CHOREA, HEADACHE, DYSMENORRHEA, CORYZA, INFLUENZA, LUMBAGO, FEVERS, SCIATICA, NEURALGIA, CHOLILITHIASIS, NEURITIS TONSILLITIS AND LIKE AILMENTS.
Claims use since Dec. 17, 1940.

Ser. No. 439,404. BINNEY & SMITH COMPANY, New York, N. Y. Filed Jan. 4, 1941.

FURNITEX

FOR CARBON BLACK FOR USE IN THE RUBBER INDUSTRY.
Claims use since Dec. 17, 1940.

Ser. No. 439,405. BINNEY & SMITH COMPANY, New York, N. Y. Filed Jan. 4, 1941.

NEOTEX

FOR CARBON BLACK FOR USE IN THE RUBBER INDUSTRY.
Claims use since Dec. 17, 1940.

Ser. No. 439,414. FRANZ KOENIGSBERGER, New York, N. Y. Filed Jan. 4, 1941.

FACE SAVERS

FOR TOILET WATER, EAU DE COLOGNE, PERFUMES, SACHETS, BATH SALTS, BATH OILS, DRY AND LIQUID FOAM BATH, BATH POWDER, BODY OILS, HAND CREAMS, HAND LOTIONS, LIPSTICKS, ROUGES, FACE POWDERS, FACE CREAMS, ASTRINGENTS, BRILLIANTINES, SHAMPOOS, HAIR WAVING LOTIONS, AFTER-SHAVING LOTIONS, NAIL POLISHES, FOOT POWDERS, FOOT CREAMS, DEODORANTS, INCENSE, AND WATER SOFTENERS.
Claims use since Jan. 2, 1941.

Ser. No. 439,419. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Jan. 4, 1941.

SPORTSTICK

FOR LIPSTICKS.
Claims use since Dec. 13, 1940.

Ser. No. 439,438. FREEDA AGAR PRODUCTS, New York, N. Y. Filed Jan. 6, 1941.

QUIN B COMPLEX

The word "B Complex" is disclaimed apart from the association shown.
FOR VITAMIN CAPSULES AND TABLETS.
Claims use since Sept. 1, 1940.

Ser. No. 439,472. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Jan. 7, 1941.

FOLLICOMONE

FOR OVARIAN HORMONE PREPARATION.
Claims use since Oct. 21, 1940.

Ser. No. 439,502. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Jan. 8, 1941.

BALAMINS

FOR VITAMIN TONIC.
Claims use since Jan. 15, 1940.

Ser. No. 439,503. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Jan. 8, 1941.

BEVINA

FOR VITAMIN B ELIXIR.
Claims use since June 15, 1940.

Ser. No. 439,505. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Jan. 8, 1941.

FMC

FOR COUGH SYRUP.
Claims use since Jan. 15, 1940

Ser. No. 439,506. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Jan. 8, 1941.

SYRILLANA

FOR COUGH MEDICINE.
Claims use since Jan. 15, 1940.

Ser. No. 439,916. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Jan. 16, 1941.

ROCCAL

FOR SYSTEMIC ALKALIZING PREPARATION.
Claims use since Apr. 21, 1936.

Ser. No. 439,958. HERMAN BAACK, New York, N. Y. Filed Jan. 25, 1941.

TANOSOL

FOR COSMETIC CREAM PROTECTING THE SKIN FROM SUN BURN.
Claims use since June 14, 1935.

Ser. No. 440,012. HAROLD L. MACK, doing business as Mack Dental Co., Monterey, Calif. Filed Jan. 27, 1941.

POW-DA

FOR DENTIFRICE.
Claims use since Dec. 14, 1940.

Ser. No. 440,024. MYRTLE W. ROTHENBURG, doing business as Ethogienic Laboratories, Opelika, Ala. Filed Jan. 27, 1941.

ETHOGIENE

FOR POWDER FOR VAGINAL IRRIGATION.
Claims use since May 16, 1940.

Ser. No. 440,122. GOODWINOL PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 30, 1941.

GOODWINOL

FOR OINTMENT FOR THE TREATMENT OF MANGE IN ANIMALS.
Claims use since May, 1937.

Ser. No. 440,144. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo. Filed Jan. 31, 1941.

Doxycholic

FOR VITAMIN TABLETS.
Claims use since Jan. 10, 1941.

CLASS 10
FERTILIZERS

Ser. No. 439,835. SCHUYLKILL CHEMICAL COMPANY, Philadelphia, Pa. Filed Jan. 21, 1941.

PROLIFEROL

FOR PLANT STIMULANT.
Claims use since Oct. 29, 1940.

CLASS 11
INKS AND INKING MATERIALS

Ser. No. 434,773. BARTA-GRIFFIN COMPANY, Worcester, Mass. Filed Aug. 8, 1940.

Thrift Pack

Applicant disclaims the word "Pack" apart from the mark.
FOR PRINTING INKS AND DRYERS FOR PRINTING INKS.
Claims use since July 12, 1940.

Ser. No. 438,983. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio. Filed Dec. 18, 1940.

HYOX

FOR PRINTING AND LITHOGRAPHING INKS, EXTENDERS, AND PIGMENTS.
Claims use since Apr. 1, 1940.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 412,160. SCIENTIFIC CONCRETE SERVICE CORPORATION, Washington, D. C. Filed Oct. 28, 1938.

SCIENTIFIC SC CONCRETE

Applicant disclaims the words "Scientific Concrete" and "Washington, D. C." apart from the mark.
FOR PREPARED CONCRETE.
Claims use since Aug. 1, 1938.

Ser. No. 426,513. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Dec. 13, 1939.

Armstrong's (A)

Applicant makes no claim to the word "Armstrong's" apart from the mark.
FOR ARCHITECTURAL WALL PANELS.
Claims use since June 3, 1939.

Ser. No. 427,492. BARBER ASPHALT CORPORATION, Barber, N. J. Filed Jan. 10, 1940.

BARBER PRODUCTS

No claim is made to the word "Products" apart from the mark. The drawing is lined for red and yellow.
FOR BITUMINOUS COMPOSITION ROOFING, BITUMINOUS ROOF COATING, BITUMINOUS ROOF CEMENT, BITUMINOUS RESURFACER FOR COMPOSITION ROOFING, BITUMINOUS FIBRE ROOF COATING, BITUMINOUS LAP CEMENT FOR COMPOSITION ROOFING, BITUMINOUS PLASTIC CEMENT, BITUMINOUS FIBRE COATING AND ASPHALT.
Claims use since Sept. 12, 1939.

Ser. No. 436,103. TUFCRETE COMPANY, Des Moines, Iowa. Filed Sept. 18, 1940.

TUFCRETE

FOR LIQUID BITUMINOUS EMULSION COMPOSITION FOR APPLICATION TO FLOORING AND SURFACING EITHER ALONE OR WHEN MIXED WITH CEMENT OR SAND, OR BOTH, OR OTHER INGREDIENTS.
Claims use since July 12, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 438,782. UNITED SHOE MACHINERY CORPORATION, Boston, Mass. Filed Dec. 12, 1940.

ROLET

FOR EYELETS.
Claims use since Nov. 5, 1940.

Ser. No. 438,956. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Dec. 17, 1940.

Krene

FOR SHOWER CURTAINS.
Claims use since Nov. 13, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 438,479. THE INDIUM CORPORATION OF AMERICA, Utica, N. Y. Filed Dec. 3, 1940.

INCA

FOR METALLIC INDIUM, INDIUM ALLOYS WITH NON-FERROUS METALS, INDIUM AMALGAMS.
Claims use since Jan. 9, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 436,279. NEW WRINKLE, INC., Dayton, Ohio. Filed Sept. 23, 1940.

PONTIAC

FOR PAINTS, PAINT ENAMELS AND VARNISHES IN READY MIXED FORM, BOTH READY TO USE AND AS A CONCENTRATE, AND LEAD PAINT PIGMENTS.
Claims use since Mar. 1, 1896.

Ser. No. 438,481. INERTOL COMPANY, INC., New York, N. Y. Filed Dec. 3, 1940.

INCOLITE

FOR WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Feb. 28, 1939.

Ser. No. 439,273. THE HALL-WATSON COMPANY, INC., New York, N. Y. Filed Dec. 30, 1940.

ECONOMITE

FOR SELF-POLISHING WAX, LACQUER FOR USE ON RUBBER TILE FLOORING AND OTHER RUBBER SURFACES, AND TERRAZZO SEAL (A "BAKELITE" VARNISH EMULSION).
Claims use since Dec. 21, 1938.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 435,839. ENGINEERING AND RESEARCH CORPORATION, Riverdale, Md. Filed Sept. 10, 1940.

ERCOUPE

FOR AIRPLANES.
Claims use since March, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 413,462. EVERETT H. WHITE, doing business as White Manufacturing Company, St. Paul, Minn. Filed Dec. 3, 1938.

MASTER

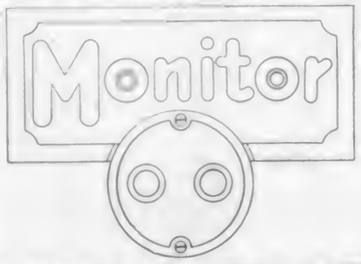
FOR ELECTRICALLY OPERATED HEAT REGULATORS, CONSTITUTED IN SOME INSTANCES AS A THERMOSTAT AND A MOTOR, AND IN SOME INSTANCES AS A THERMOSTAT, A LIMIT CONTROL, AND A MOTOR.
Claims use since 1916.

Ser. No. 424,452. RAYMOND W. WOODWARD, West Hartford, Conn. Filed Oct. 11, 1939.

HETROFIL

FOR RADIO TUNING INSTRUMENTS.
Claims use since Oct. 3, 1939.

Ser. No. 431,784. MONITOR CONTROLLER COMPANY, Baltimore, Md. Filed May 10, 1940.



FOR SWITCHING AND CONTROLLING DEVICES FOR ELECTRIC CIRCUITS.
Claims use since Sept. 20, 1939.

Ser. No. 432,829. THE MILLER COMPANY, Meriden, Conn. Filed June 8, 1940.

SHADE-GLO

FOR ELECTRIC TABLE AND FLOOR LAMPS.
Claims use since June 16, 1939.

Ser. No. 436,462. CLIMAX REFLECTOR, INC., Cleveland, Ohio. Filed Sept. 28, 1940.

Climax Sealed Beam

The words "Sealed Beam" are disclaimed as a part of the mark.
FOR INCANDESCENT ELECTRIC LAMPS AND LIGHTING UNITS.
Claims use since Sept. 15, 1940.

Ser. No. 438,296. ARROW CA-TA-LITE COMPANY, INC., Boston, Mass. Filed Nov. 28, 1940.



The words "Trade Mark" are disclaimed as a part of the mark.
FOR FLUORESCENT LAMP FIXTURES.
Claims use since Sept. 19, 1940.

Ser. No. 438,381. DEWEY I. DOYLE, doing business as Doyle Vacuum Cleaner Co., Grand Rapids, Mich. Filed Nov. 30, 1940.

VAC-IT

FOR ELECTRICAL VACUUM CLEANERS.
Claims use since July 20, 1937.

Ser. No. 439,190. BABSON BROS. CO., Chicago, Ill. Filed Dec. 26, 1940.

SURGE

FOR ELECTRIC FENCE CHARGING APPARATUS AND EQUIPMENT, INCLUDING INSULATORS AND BRACKETS, AND THE LIKE.
Claims use since May 8, 1939.

Ser. No. 439,354. MICRO SWITCH CORPORATION, Freeport, Ill. Filed Jan. 2, 1941.

COP

FOR OVERLOAD AND OVERHEAT PROTECTORS FOR ELECTRIC MOTORS AND FOR CIRCUIT CONTROLLING PROTECTORS FOR ELECTRIC APPARATUS AND POWER TRANSLATING DEVICES.
Claims use since Mar. 1, 1937.

Ser. No. 439,467. JORDAN ELECTRICAL MANUFACTURING COMPANY, Minneapolis, Minn. Filed Jan. 7, 1941.

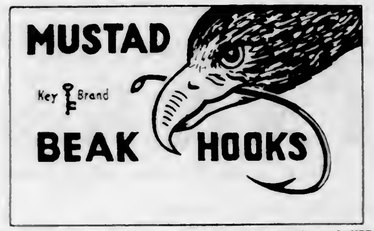
Nu-Way

FOR STORAGE BATTERY CHARGERS.
Claims use since Nov. 15, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 426,212. O. MUSTAD & SÖN, Oslo, Norway. Filed Dec. 4, 1939.



No claim is made to the words "Brand" and "Hooks" or to the representation of the goods apart from the mark.
FOR FISH HOOKS.
Claims use since June, 1939.

Ser. No. 438,634. SPALDING SALES CORPORATION, Chicopee, Mass. Filed Dec. 7, 1940.



No claim is made to the representation of a golf club apart from the mark.
FOR GOLF CLUBS.
Claims use since Nov. 7, 1940.

Ser. No. 439,644. WILLIAM P. ULRICH, Spokane, Wash. Filed Jan. 13, 1941.



STAR

FOR BASEBALL GAME COMPRISING A DECK OF CARDS TO INDICATE PLAYER MOVES, AND A GAME

BOARD ILLUSTRATING A BASEBALL DIAMOND AND HAVING A SCORE BOARD THEREON, INDICATORS FOR OUTS, RUNS AND PLAYER POSITIONS.
Claims use since Dec. 27, 1940.

Ser. No. 439,881. CHARLES TWEEDIE, Jefferson City, Mo. Filed Jan. 22, 1941.

"Doctor Golf"

FOR HAND PROTECTORS FOR USE BY GOLFERS AND OTHERS.
Claims use since Aug. 15, 1940.

Ser. No. 440,054. WERNER F. OTTE, New York, N. Y. Filed Jan. 28, 1941.

TANKS

FOR BOARD GAME PLAYED WITH MOVABLE PIECES.
Claims use since Jan. 22, 1941.

Ser. No. 440,113. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Jan. 30, 1941.

TROCODERO

FOR A TABLE GAME.
Claims use since Oct. 28, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 432,785. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 7, 1940.

MASTER-ART

FOR WALLPAPER-HANGERS' TOOL KITS, CONSISTING OF PASTE BRUSH, SMOOTHING BRUSH, CASING WHEEL, SCRAPER, PLUMB BOB, SEAM ROLLER, AND CARPENTERS' CHALK.
Claims use since Dec. 15, 1935.

Ser. No. 433,564. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed July 1, 1940.

FLEXCO

FOR WRENCHES, BORING BITS, PUNCHES, BOLT BREAKERS, RIP PLATE TOOLS FOR USE IN THE APPLICATION OF BELT FASTENERS AND RIP PLATES, AND TEMPLETS FOR USE IN APPLYING BELT FASTENERS AND RIP PLATES TO BELTS.
Claims use since May 31, 1923.

Ser. No. 435,605. BUCYRUS-ERIE COMPANY, South Milwaukee, Wis. Filed Sept. 3, 1940.

BULLGRADER

No claim is made to the word "Grader" except in conjunction with the word "Bull."
FOR LAND LEVELING AND MATERIAL HANDLING ATTACHMENTS FOR TRACTORS.
Claims use since Feb. 24, 1936.

Ser. No. 436,923. DENVER EQUIPMENT COMPANY, Denver, Colo. Filed Oct. 14, 1940.

DECOLLOY

FOR FINISHED IRON AND IRON ALLOY CASTINGS AND MACHINE PARTS—NAMELY, BALL MILL LINERS, PUMP PARTS, BALL MILL SCOOP LIPS, CLASSIFIER SHOES, FLOTATION MACHINE IMPELLERS, AND WEARING PLATES.
Claims use since Feb. 17, 1940.

Ser. No. 437,681. HYDRAULIC CONTROLS, INC., Chicago, Ill. Filed Nov. 8, 1940.

HYCON

FOR FLUID CONTROL DEVICES AND FLUID SYSTEMS FOR THE CONTROL AND ACTUATION OF OTHER MECHANICAL DEVICES. THE DEVICES ARE USED TO ACTUATE ANY PUSH OR PULL OPERATION BY REMOTE CONTROL. THE DEVICES AND SYSTEMS ARE APPLICABLE AND HAVE BEEN APPLIED TO AUTOMOTIVE TRACTOR, AND ARMY TANK VEHICLES AND MATERIAL HANDLING EQUIPMENT SUCH AS POWER SHOVELS, CRANES, DRAG LINES, ETC.; FOR THE POWER CONTROL AND ACTUATION OF BRAKING, STEERING, CLUTCH RELEASE, THE RAISING AND LOWERING OF AUTO DUMP BODIES, WORK PLATFORMS AND AIRPLANE JACKS; FOR CONTROLLING AND ACTUATING MACHINE TOOLS, TRAFFIC FINS AND INDUSTRIAL MACHINERY; FOR OPENING AND CLOSING DOORS IN SUBWAYS AND MANY OTHER USES. THE FLUID CONTROL DEVICES AND FLUID SYSTEMS COMPRISE FLUID PUMPS, PRESSURE ACCUMULATOR TANKS, RESERVOIRS OR SUMP TANKS, VALVES, CYLINDERS, PIPE FITTINGS, COUPLINGS, BRACKETS, HARDWARE AND OTHER ACCESSORIES FOR USE IN CONJUNCTION THEREWITH.
Claims use since Mar. 15, 1939.

Ser. No. 438,500. CALKINS MANUFACTURING COMPANY, Spokane, Wash. Filed Dec. 4, 1940.

ROD-TILLER

FOR ROTARY WEEDERS.
Claims use since Sept. 4, 1940.

Ser. No. 438,564. ALL AMERICAN MEAT & BONE CUTTER CO., Los Angeles, Calif. Filed Dec. 6, 1940.



No claim is made for the words "All American Meat and Bone Cutter" apart from the mark.
FOR MEAT AND BONE CUTTING MACHINES.
Claims use since July 10, 1940.

Ser. No. 438,784. ACE LUBRICATING EQUIPMENT CO., Detroit, Mich. Filed Dec. 13, 1940.

ACE

FOR AUTOMATIC SELF-FEEDING GREASING CUPS.
Claims use since June 15, 1940.

Ser. No. 439,293. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Dec. 30, 1940.

MICRODIAL

FOR ADJUSTABLE HONING MACHINES AND FOR TOOLS FOR ADJUSTING THE HONES OF HONING MACHINES.
Claims use since August, 1940.

Ser. No. 439,441. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio. Filed Jan. 6, 1941.

GARDEN

CLUB

FOR FLOWER-HOLDING SHEARS.
Claims use since Mar. 11, 1933.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 427,902. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia. Filed Jan. 26, 1940.

AGRAND

FOR PHOTOGRAPHIC CAMERAS, MOTION PICTURE CAMERAS, ENLARGING APPARATUS, PROJECTORS.
Claims use since Feb. 8, 1939.

Ser. No. 427,903. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia. Filed Jan. 26, 1940.

AXOMAT

FOR PHOTOGRAPHIC CAMERAS, MOTION PICTURE CAMERAS, ENLARGING APPARATUS, PROJECTORS.
Claims use since Feb. 8, 1939.

Ser. No. 427,904. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia. Filed Jan. 26, 1940.

COLORETTA

FOR PHOTOGRAPHIC CAMERAS, MOTION PICTURE CAMERAS, ENLARGING APPARATUS, PROJECTORS.
Claims use since Feb. 8, 1939.

Ser. No. 432,811. SAMUEL F. DUPREE, JR., Beverly Hills, Calif. Filed June 8, 1940.

MILE-O-GAUGE

The word "Gauge" is disclaimed except in association with the other parts of the mark.
FOR CHARTS FOR USE IN CALCULATING THE LIFE OF BRAKE LININGS.
Claims use since Apr. 14, 1940.

Ser. No. 437,003. KENYON INSTRUMENT CO. INC., Huntington Station, Long Island, N. Y. Filed Oct. 16, 1940.



FOR AMMUNITION ROUNDS COUNTER ASSEMBLIES FOR AIRCRAFT MACHINE GUN INSTALLATIONS, MARINE SPEEDOMETERS, MARINE SPEEDOMETER-LOGS, BAROMETERS, WIND DIRECTION INDICATORS, ANEMOMETERS, AND STABILITY AND TRIM INDICATORS.
Claims use since Sept. 1, 1939.

Ser. No. 439,368. TALK-A-VISION INC., New York, N. Y. Filed Jan. 2, 1941.

TALKAVISION

FOR COIN OPERATED MOVING PICTURE MACHINES.
Claims use since Apr. 15, 1940.

Ser. No. 439,372. UNITED STATES PAPER CORP., Chicago, Ill. Filed Jan. 2, 1941.

Glow-Tone

FOR COLOR SELECTOR.
Claims use since Sept. 21, 1939.

Ser. No. 439,459. CORTNE OPTICAL CO., INC., New York, N. Y. Filed Jan. 7, 1941.

ZYLITE

FOR SPECTACLE FRAMES AND OPTICAL FRAMES AND MOUNTINGS.
Claims use since November, 1940.

Ser. No. 439,637. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Jan. 13, 1941.

STANCAL

FOR APPARATUS FOR DETERMINING FLUID PRESSURE ON SURFACES, APPARATUS FOR DETERMINING TORQUE IN ROTATING EQUIPMENT.
Claims use since Dec. 26, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 438,671. TREND CLOCKS, Zeeland, Mich. Filed Dec. 9, 1940.

TREND

FOR CLOCKS.
Claims use since Sept. 14, 1937.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 437,920. TRABERT & HOEFFER INC., New York, N. Y. Filed Nov. 15, 1940.

Star of Delhi

The word "Delhi" is disclaimed apart from the mark.
FOR SAPPHIRES AND PRECIOUS STONES.
Claims use since Apr. 10, 1940.

Ser. No. 437,921. TRABERT & HOEFFER INC., New York, N. Y. Filed Nov. 15, 1940.

Star of Rangoon

The word "Rangoon" is disclaimed apart from the mark.
FOR RUBIES AND PRECIOUS STONES.
Claims use since Apr. 10, 1940.

Ser. No. 439,351. D. LISNER & CO., INC., New York, N. Y. Filed Jan. 2, 1941.

Men from Mars

FOR JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Dec. 13, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 436,159. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Sept. 20, 1940.

PRAM-AGE

FOR INFANTS' PORTABLE BATHING DEVICES—NAMELY, TABLES, SHOWER ENCLOSURES, AND BATHING HAMMOCKS, PLAY PENS, CRIBS, AND HIGH CHAIRS.
Claims use since May 1, 1940.

Ser. No. 438,671. SUPERIOR SLEEPRITE CORPORATION, Chicago, Ill. Filed Dec. 9, 1940.

VINALITE

FOR TABLES AND CHAIRS.
Claims use since October, 1940.

Ser. No. 439,608. ROYERSFORD SPRING COMPANY, Royersford, Pa. Filed Jan. 14, 1941.

Royco

FOR VEHICLE SEAT AND FURNITURE SPRINGS.
Claims use since May 23, 1935.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 413,774. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio. Filed Dec. 13, 1938.

REX

EVERCLAD

FOR HOT WATER HEATERS, WATER STORAGE HEATERS, AND THEIR STRUCTURAL PARTS.
Claims use since Dec. 10, 1938.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 436,760. DORN & KIRSCHNER BAND INSTRUMENT CO., INC., Newark, N. J. Filed Oct. 9, 1940.

CrafTone

FOR STRINGED MUSICAL INSTRUMENTS—NAMELY, VIOLINS, GUITARS, VIOLAS, CELLOS, BASS VIOLINS, UKULELES, BANJO UKULELES, MANDOLINS, BANJO MANDOLINS, LUTES, BANJO GUITARS, HARP GUITARS, HARPS; WOODWIND AND METAL WIND INSTRUMENTS WITH OR WITHOUT REEDS—NAMELY, CLARINETS, OBOES, BASSOONS, ENGLISH HORNS, BASE CLARINETS, ALTO CLARINETS, FLUTES, PICCOLOS, SARRUSAPHONES, FIFES, HARMONICAS, ACCORDIONS, CONCERTINAS, JAW HARPS, JEWS HARPS; ALL TYPES OF ORCHESTRAL AND BAND INSTRUMENTS—NAMELY, TRUMPETS, BUGLES, ALTO HORNS, CIRCULAR ALTOS, MELLOPHONES, FRENCH HORNS, TENOR HORNS, BARITONE HORNS, BASS HORNS, TUBAS, SOUSAPHONES, CORNETS, SLIDE TROMBONES, VALVE TROMBONES, PISTON BUGLES, SNARE DRUMS, BASS DRUMS, TOM TOMS, TYMPANIS, XYLOPHONES, VIBRAPHONES, BELLS, BELL LYRAS, MARIMBAS, GONGS, CASTENETS; AND PARTS FOR ALL THE FOREGOING AND ACCESSORIES—NAMELY, BOWS, PICKS, STAND, PITCH PIPES, TUNING FORKS, MEGAPHONES, REEDS, STRINGS, BOOKS, MUTES, CYMBALS, CASES, ELECTRIFICATIONS, PEGS, REPAIR PARTS, BRIDGES, MOUTHPIECES, BATONS, DRUM STICKS, MALLETS, COVERS, PEDALS, MUFFLERS, SPURS, OIL, LIGATURES, HEADS, SNARES, STRAPS, GREASE, CORK PADS, WIRE BRUSHES, SWABS, AMPLIFIERS, COW BELLS, WOOD BLOCKS, POLISHES.
Claims use since Aug. 1, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 436,704. SILKLIN PAPER CORPORATION, San Francisco, Calif. Filed Oct. 7, 1940.

Silk-Naps

FOR PAPER NAPKINS.
Claims use since Oct. 15, 1937.

Ser. No. 438,835. EAGLE PENCIL COMPANY, New York, N. Y. Filed Dec. 14, 1940.

PRISMACOLOR

FOR LEAD PENCILS.
Claims use since Dec. 2, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 432,425. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed May 28, 1940.

GANG BUSTERS
CRUSADE AGAINST CRIME

FOR SCRIPTS FOR A SERIES OF COMMERCIAL BROADCASTS SOLD AS A PUBLICATION IN TRADE.
Claims use since Jan. 6, 1936.

Ser. No. 432,777. THE PRUDENTIAL INSURANCE COMPANY OF AMERICA, Newark, N. J. Filed June 7, 1940.

WHEN A GIRL

MARRIES

FOR SCRIPTS FOR A SERIES OF COMMERCIAL BROADCASTS SOLD AS A PUBLICATION IN TRADE.
Claims use since May 29, 1939.

Ser. No. 436,740. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Oct. 8, 1940.

THE KID SISTER

FOR ARTICLES PUBLISHED AT INTERVALS DESCRIPTIVE OF FASHIONS FOR YOUNG GIRLS.
Claims use since May 31, 1939.

Ser. No. 437,186. BLANCHE MASON TELLIS, Chicago, Ill. Filed Oct. 22, 1940.

THE
INTERNATIONAL
LADIES

FOR SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE.
Claims use since Sept. 1, 1940.

Ser. No. 438,245. LINCO PRODUCTS CORPORATION, Chicago, Ill. Filed Nov. 26, 1940.

SHOPPING WITH THE MISSUS

FOR PERIODICAL PROGRAM SKITS FOR RADIO, DISTRIBUTED AS A PUBLICATION IN INTERSTATE TRADE.
Claims use since Sept. 18, 1940.

CLASS 39

CLOTHING

Ser. No. 431,063. THE FRANK H. LEE COMPANY, Danbury, Conn. Filed Apr. 22, 1940.

LEE FEATHER WEIGHT WATER BLOC

No claim is made to the descriptive phrase "Feather Weight" except in connection with mark as shown.
FOR MEN'S AND WOMEN'S STRAW, FELT, AND WOOL HATS.
Claims use since July, 1938.

Ser. No. 432,433. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed May 28, 1940.

CUDDLETTE

FOR LADIES' DRESSES.
Claims use since May 1, 1940.

Ser. No. 435,725. MOSINGER BROTHERS, St. Louis, Mo. Filed Sept. 6, 1940.

AMERICAN BOY

Applicant disclaims the right to the exclusive use of the word "American" except in the relation and association shown.
FOR BOYS' SHOES MADE OF LEATHER.
Claims use since 1901.

Ser. No. 436,492. ANNETTA DRESSES INC., New York, N. Y. Filed Sept. 30, 1940.

NEW YORK Annetta original model

The name "New York" and the words "Original Model" are disclaimed apart from the mark.
FOR LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF DRESS AND JACKET.
Claims use since January, 1914.

Ser. No. 437,090. MAX ISAAC, New York, N. Y. Filed Oct. 19, 1940.

ORIGINAL Super-Maid STYLED TO SLENDERIZE

The wording "Original" and "Styled to Slenderize" is disclaimed apart from the mark.
FOR LADIES' DRESSES.
Claims use since Sept. 30, 1939.

Ser. No. 438,051. PACIFIC KNITTING MILLS, INCORPORATED, Los Angeles, Calif. Filed Nov. 19, 1940.

Shir-Zip

FOR MEN'S, WOMEN'S, AND CHILDREN'S OUTING AND SWIMMING GARMENTS—NAMELY, SWEATERS, BATHING SUITS, SWIMMING SUITS, COATS, PANTS, VESTS, OUTER SHIRTS, UNDERSHIRTS, UNDERPANTS, BLOUSES, DRESSES, CORSETS, GIRDLES, SLIPS, ROBES, HOUSE COATS, GLOVES MADE OF LEATHER OR FABRIC OR A COMBINATION THEREOF, AND GALOSHES.
Claims use since Oct. 10, 1940.

Ser. No. 438,846. KREMHOLZ & LICHTBLAU, doing business as Kelray Knitting Mills, New York, N. Y. Filed Dec. 14, 1940.

KEL-KORD

No claim is made to the exclusive use of the word Kord apart from the mark.
FOR LADIES', MISSES', AND CHILDREN'S PANTIES, UNDERDRAWERS, BANDEAUX, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS.
Claims use since Nov. 1, 1940.

Ser. No. 439,090. BLANKRON CLOTHES, INC., New York, N. Y. Filed Dec. 23, 1940.

HOLLYWOOD ACE DRAPE

The words "Hollywood" and "Drape" are disclaimed apart from the mark.
FOR MEN'S SUITS, OVERCOATS, TOPCOATS, AND SPORTCOATS.
Claims use since Mar. 1, 1938.

Ser. No. 439,199. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Dec. 26, 1940.

Persuede

FOR GIRDLES, CORSETS, AND FOUNDATION GARMENTS.
Claims use since Nov. 23, 1940.

Ser. No. 439,284. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,406. BRIAN FABRICS CORPORATION, New York, N. Y. Filed Jan. 4, 1941.

BRICO Lifetime

FOR SCARFS MADE OF RAYON AND OTHER SYNTHETIC FABRICS.
Claims use since Dec. 13, 1940.

Ser. No. 439,428. BLUE SWAN MILLS, INC., New York, N. Y. Filed Jan. 6, 1941.

sissikins

FOR LADIES' AND CHILDREN'S UNDERWEAR.
Claims use since Dec. 16, 1940.

Ser. No. 439,487. MITCHELL & WEBER, INC., New York, N. Y. Filed Jan. 8, 1941.

Briarwood

FOR LADIES' AND MISSES' BLOUSES, DRESSES, HOUSECOATS, SUITS, JACKETS, SKIRTS, PAJAMAS, CULOTTES, COATS, AND SLACKS.
Claims use since May, 1940.

Ser. No. 439,511. BOSTON KNITTING MILLS, INC., Newton, Mass. Filed Jan. 9, 1941.

SOAKERS

FOR INFANTS' AND CHILDREN'S UNDERWEAR.
Claims use since Jan. 1, 1935.

Ser. No. 439,760. MOORE GROCERY CO., doing business as The Sledge Manufacturing Co., Tyler, Tex. Filed Jan. 17, 1941.

AVIATOR

FOR CHILDREN'S OVERALLS AND PLAYSUITS.
Claims use since Jan. 1, 1931.

Ser. No. 439,851. WEINSTEIN CO., INC., San Francisco, Calif. Filed Jan. 21, 1941.

Esther

FOR HOSIERY, PAJAMAS, NIGHTGOWNS, BLOOMERS, SLIPS, WOMEN'S AND MISSES' UNDERWEAR—NAMELY, PANTS AND VESTS.
Claims use since Nov. 13, 1940.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 431,247. INJECTION MOULDING CORPORATION, New York, N. Y. Filed Apr. 26, 1940.

PEARLPLAST

FOR HAIR CLASPS, HAIR BARRETTES, COMBS, BUTTONS, AND BUCKLES, ALL MADE OF PLASTICS.
Claims use since Dec. 29, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 427,728. STONE MILL FABRICS CORPORATION, New York, N. Y. Filed Jan. 22, 1940.

PROGAR

FOR FABRICS OF THE TYPE KNOWN AS POPLINS.
Claims use since Sept. 26, 1939.

Ser. No. 436,196. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Sept. 21, 1940.

Slumberon

FOR SHEETS AND PILLOW CASES.
Claims use since Oct. 24, 1929.

Ser. No. 439,386. SAMUEL EHRMAN CO., INC., New York, N. Y. Filed Jan. 3, 1941.

JERS-EYELET

The Word "Eyelet" is disclaimed apart from the mark.
FOR EMBROIDERED KNITTED FABRICS IN THE PIECE.
Claims use since Nov. 14, 1939.

Ser. No. 439,397. J. C. PENNEY COMPANY, New York, N. Y., and Wilmington, Del. Filed Jan. 3, 1941.

Cloister

FOR BLANKETS MADE OF SPUN RAYON, AND SPUN RAYON AND WOOL MIXTURES TREATED TO MAKE THEM MOTH-PROOFED.
Claims use since Sept. 8, 1939.

Ser. No. 439,634. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 13, 1941.

Servistex

FOR RUGS.
Claims use since Apr. 1, 1938.

Ser. No. 439,659. HYMAN LUBOW, doing business as The Linette Co., New York, N. Y. Filed Jan. 14, 1941.

LINBEST

FOR COTTON AND LINEN PIECE GOODS.
Claims use since Sept. 23, 1938.

Ser. No. 439,925. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 24, 1941.

CELACLAN

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Jan. 22, 1941.

Ser. No. 439,943. MOHAWK CARPET MILLS, INC., Amsterdam, N. Y. Filed Jan. 24, 1941.

MONARCH

FOR CARPETS AND RUGS.
Claims use since March, 1932.

Ser. No. 439,973. J. C. PENNEY COMPANY, New York, N. Y., and Wilmington, Del. Filed Jan. 25, 1941.

MO-DE-GAY

FOR COTTON PIECE GOODS.
Claims use since Apr. 10, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 437,722. FREYDBERG BROS., INC., Stamford, Conn., and New York, N. Y. Filed Nov. 9, 1940.

COTATHREAD

FOR THREAD COATED WITH CELLULOSE MATERIAL AND USED IN PACKAGING, WEAVING, AND FOR OTHER PURPOSES.
Claims use since Feb. 26, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 439,453. ARLETTE, INC., Bloomfield, N. J. Filed Jan. 7, 1941.

SENSATION

FOR PERMANENT WAVING PADS FOR APPLICATION TO THE HAIR.
Claims use since Aug. 9, 1940.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 439,964. FOOTE & JENKS, INC., Jackson, Mich. Filed Jan. 25, 1941.



FOR NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK AND SIRUP AND EXTRACT FOR MAKING THE SAME.
Claims use since Sept. 1, 1940.

Ser. No. 439,967. DANES KARAVEDAS, doing business as New Gold Beverage Co., Baltimore, Md. Filed Jan. 25, 1941.

Georgee

FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Jan. 4, 1941.

CLASS 46

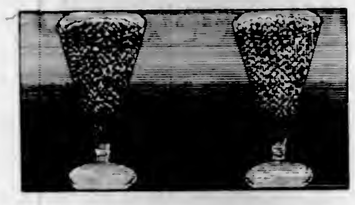
FOODS AND INGREDIENTS OF FOODS

Ser. No. 401,441. LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Dec. 31, 1937.

SS

FOR VEGETABLE SHORTENING.
Claims use since Dec. 3, 1937.

Ser. No. 410,787. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Sept. 20, 1938.



The drawing is lined for red, yellow, light blue and dark blue. The representations of the label and of the juice are disclaimed apart from the mark. The applicant is the owner of registrations No. 251,010, dated Dec. 18, 1928; No. 302,518, dated Apr. 18, 1933; No. 326,934, dated Aug. 13, 1935; and No. 308,953, dated Dec. 26, 1933. The applicant is the owner of registration 326,788, dated Aug. 6, 1935.
FOR CANNED FRUIT JUICES FOR FOOD PURPOSES.
Claims use since June 2, 1938.

Ser. No. 414,020. WISCONSIN ORCHARDS, INC., Madison and Gays Mills, Wis. Filed Dec. 19, 1938.



Applicant disclaims the words "Red," "Kickapoo Orchards," and "Grown and Packed by Wisconsin Orchards, Inc., Gays Mills, Wis." apart from the mark.
FOR FRESH APPLES.
Claims use since Oct. 20, 1938.

Ser. No. 423,285. CHRIST HEIM, Chicago, Ill. Filed Aug. 31, 1939.



No claim is made to the term "BestYet" apart from the mark.
FOR GENERAL LINE OF BAKERY AND FOOD PRODUCTS—NAMELY, BREAD, BUNS, CAKES, POTATO CHIPS, COOKIES, CUSTARDS, DOUGHNUTS, NOODLES, PASTRIES, PIES AND ROLLS.
Claims use since Oct. 5, 1930.

Ser. No. 426,614. DAVID GOLDSTEIN, doing business as Hungarian Bakers, New York, N. Y. Filed Dec. 15, 1939.



The words "Hungarian Bakers" are disclaimed apart from the mark.
FOR CANDIES, CHOCOLATES, JAMS AND JELLIES.
Claims use since Dec. 1, 1939.

Ser. No. 432,645. EDUARDO STICHANER LACASTA, Olhao, Portugal. Filed June 4, 1940.

PEXQUISE

FOR FISH CONSERVES.
Claims use since Dec. 8, 1928.

Ser. No. 434,695. A. BASSETTI, doing business as Party Pride Packing Co., and Party Pride Canning Co., Mountain View, Calif. Filed Aug. 5, 1940.

PARTY PRIDE

FOR PREPARED FOODS—NAMELY, CHICKEN EGG NOODLE SOUP, CHICKEN SOUP, CHICKEN BROTH, AND TURKEY BROTH.
Claims use since July 20, 1934.

Ser. No. 434,852. THE STYRON-BEGGS COMPANY, Newark, Ohio. Filed Aug. 9, 1940.

GREAT
-SEAL-

Applicant is the owner of United States registration No. 282,689 issued Apr. 28, 1931.

FOR OILS FOR FOOD FLAVORING PURPOSES—NAMELY, CINNAMON OIL, LEMON OIL AND WINTERGREEN OIL; FOOD FLAVORING EXTRACTS—NAMELY, ALMOND, BANANA, WALNUT, LEMON, MAPLE, ORANGE, PEPPERMINT, PINEAPPLE, STRAWBERRY AND VANILLA, AND SACCHARINE FOR FOOD FLAVORING PURPOSES.

Claims use since January, 1890.

Ser. No. 434,893. THE GROVE MILK COMPANY, Columbus Grove, Ohio. Filed Aug. 10, 1940.

Deldo

FOR CANNED EVAPORATED MILK.

Claims use since June, 1930.

Ser. No. 435,806. ERLE J. COMYNS, doing business as True Fruit Concentrate Co., Los Angeles, Calif. Filed Sept. 11, 1940.

IRWIN'S

FOR GELATIN DESSERTS.

Claims use since July 29, 1940.

Ser. No. 436,504. THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Sept. 30, 1940.

Baby Ruth

Applicant is the owner of the following United States trade-mark registrations: No. 257,308, June 4, 1929; No. 228,233, May 24, 1927; No. 184,645, May 27, 1924; No. 228,518, June 7, 1927; No. 257,283, June 4, 1929; and No. 228,083, May 24, 1927.

FOR CHOCOLATE FLAVORED POWDER TO BE USED WITH SWEET MILK AND THE LIKE FOR MAKING BEVERAGES.

Claims use since May 7, 1940.

Ser. No. 436,759. DONNA CITRUS ASSOCIATION, Donna, Tex. Filed Oct. 9, 1940.

TEXAS
MOON

No claim is made to the word "Texas" apart from the mark.

FOR FRESH CITRUS FRUITS.

Claims use since Dec. 15, 1939.

Ser. No. 436,845. HAKANS FOOD CO., San Francisco, Calif. Filed Oct. 11, 1940.

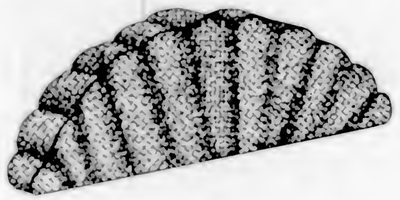
NATURES CHIPS
HOME STYLE
SALAD

The words "Home Style Salad" are disclaimed apart from the mark.

FOR SALADS CONTAINING COOKED POTATOES, PEAS, CARROTS, BEETS, STRING BEANS, LIMA BEANS, FRESH LETTUCE, GREEN ONIONS WITH THOUSAND ISLAND DRESSING ADDED.

Claims use since Sept. 16, 1940.

Ser. No. 437,986. FRED W. AMEND CO., Danville, Ill. Filed Nov. 18, 1940.



The color lining of the drawing indicates orange color for the piece of candy, except for a narrow portion at the center thereof extending transversely across the piece of candy, which is yellow colored.

FOR CANDY.

Claims use since Oct. 21, 1940.

Ser. No. 438,076. JOE LOWE CORPORATION, New York, N. Y. Filed Nov. 20, 1940.

645

FOR FROZEN CONFECTIONS.

Claims use since Oct. 19, 1940.

Ser. No. 438,129. A. GIURLANI & BRO., San Francisco, Calif. Filed Nov. 22, 1940.



FOR BOTTLED PRODUCTS: OLIVE OIL, HEARTS OF ARTICHOKES, FILET OF ANCHOVIES, AND PARMESAN CHEESE.

Claims use since Oct. 28, 1940.

Ser. No. 438,136. IDAHO FALLS WAREHOUSE COMPANY, doing business as Idaho Falls Bonded Warehouse Co., Idaho Falls, Idaho. Filed Nov. 22, 1940.

BONDED

FOR POTATOES IN THEIR NATURAL STATE.

Claims use since Oct. 1, 1927.

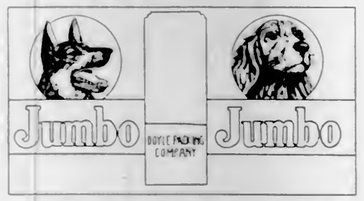
Ser. No. 438,219. GEORGE LESLIE SMITH, Rock Island, Ill. Filed Nov. 25, 1940.

KITCHENEAT

FOR APPLES.

Claims use since Oct. 9, 1940.

Ser. No. 438,382. DOYLE PACKING COMPANY, Los Angeles, Calif. Filed Nov. 30, 1940.



Applicant is the owner of trade-mark registration No. 324,895, dated June 4, 1935.

FOR CANNED DOG FOOD.

Claims use since Nov. 1, 1940.

Ser. No. 438,629. RIVERBANK CANNING COMPANY, Riverbank, Calif. Filed Dec. 7, 1940.

SUN-RED SOLE-ROSSO

No claim is made to the words "Red" and "Rosso" apart from the mark.

FOR CANNED VEGETABLES AND CANNED TOMATO PASTE.

Claims use since Aug. 1, 1924.

Ser. No. 438,814. SHIELD FOODS, INC., Buffalo, N. Y. Filed Dec. 13, 1940.

ORCHARD PARK

Applicant is the registrant and owner of trade-mark registrations Nos. 337,471 and 377,093, dated Aug. 11, 1936, and Apr. 16, 1940, respectively. The words "Orchard Park" are disclaimed apart from the mark.

FOR CANNED FRUITS AND VEGETABLES INCLUDING BARTLETT PEARS, WHOLE GREEN BEANS, PEAS AND CARROTS, WHOLE IRISH POTATOES, AND FOR PORK AND BEANS, AND COFFEE.

Claims use since about Jan. 29, 1936, on Bartlett pears; since about Mar. 26, 1940, on pork and beans; since about May 30, 1940, on coffee; since about June 24, 1940, on whole green beans; and since about Sept. 24, 1940, on whole Irish potatoes and on peas and carrots.

Ser. No. 439,016. GEM PACKING CORPORATION, Brooklyn, N. Y. Filed Dec. 19, 1940.



FOR CANNED VEGETABLE OIL FOR COOKING USE.

Claims use since Dec. 15, 1934.

Ser. No. 439,102. GENERAL LABORATORIES, INC., doing business as Banner Packing Co., Des Moines, Iowa. Filed Dec. 23, 1940.

PAT

FOR DOG FOOD.

Claims use since Mar. 18, 1937.

Ser. No. 439,470. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Jan. 7, 1941.

Brer Fox

FOR TABLE SYRUP.
Claims use since Apr. 5, 1920.

CLASS 47

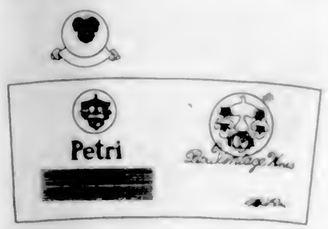
WINES

Ser. No. 439,054. PETRI CIGAR COMPANY, INC., doing business as Petri Wine Company, San Francisco, Calif. Filed Dec. 20, 1940.



Angelo Petri is the signature of an officer of applicant corporation. The drawing is lined for red, yellow, and blue. No claim is made to the word "Wines" or to the representation of the labels apart from the mark.
FOR WINES.
Claims use since October, 1940.

Ser. No. 439,055. PETRI CIGAR COMPANY, INC., doing business as Petri Wine Company, San Francisco, Calif. Filed Dec. 20, 1940.



Angelo Petri is the signature of an officer of applicant corporation. No claim is made to the words "Vintage Wines" or to the representation of the label apart from the mark.
FOR WINES.
Claims use since October, 1940.

Ser. No. 439,184. ACME DISTRIBUTING CO., INC., doing business as Acme Distributing Co., Pasadena, Calif. Filed Dec. 26, 1940.

DEBONAIR

FOR WINES.
Claims use since Dec. 16, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 417,456. GRISTEDE BROS. INC., New York, N. Y. Filed Mar. 24, 1939.



FOR GIN AND WHISKEY.
Claims use since Mar. 14, 1939.

Ser. No. 429,345. JACK DANIEL DISTILLERY, LEM MOTLOW, PROP., INC., Lynchburgh, Tenn. Filed Mar. 8, 1940.



Applicant disclaims "Brand," "Whiskey," "Distilled and bottled by," and "Distillery," except as shown. Applicant is owner of T. M. Reg. No. 323,914, effected under the 10-year proviso.
FOR WHISKEY.
Claims use since 1915.

Ser. No. 438,886. L. E. JUNG & WULFF CO., INC., New Orleans, La. Filed Dec. 16, 1940.

TRUSTEES of Southern TRADITIONS

FOR DISTILLED ALCOHOLIC LIQUORS, PARTICULARLY CORDIALS.
Claims use since 1920.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 438,365. H. WENZEL TENT & DUCK COMPANY, St. Louis, Mo. Filed Nov. 29, 1940.

PARA

FOR TREATED TARPAULINS, TRUCK COVERS, WAGON COVERS, TENTS, BAGS, CANVAS, AND DUCK.
Claims use since January, 1928.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 11, 1941

385,546. CANNED VEGETABLES. Fremont Canning Company, Fremont, Mich.
Filed November 10, 1936. Serial No. 385,575. PUBLISHED DECEMBER 31, 1940. Class 46.

385,547. RUBBER HEELS. Essex Rubber Company, Trenton, N. J.
Filed December 24, 1937. Serial No. 401,212. PUBLISHED DECEMBER 17, 1940. Class 39.

385,548. SAFETY INSTRUMENTS FOR CONTROLLING FUEL SUPPLY TO FUEL BURNERS. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn.
Filed October 21, 1938. Serial No. 411,892. PUBLISHED DECEMBER 31, 1940. Class 26.

385,549. SAUSAGE. Oscar Mayer & Company, Chicago, Ill.
Filed March 24, 1939. Serial No. 417,468. PUBLISHED DECEMBER 24, 1940. Class 46.

385,550. STORAGE BATTERIES FOR AUTOMOBILES AND THE LIKE. Reading Batteries, Inc., Reading, Pa.
Filed April 4, 1939. Serial No. 417,850. PUBLISHED DECEMBER 24, 1940. Class 21.

385,551. HAND OPERATED PORTABLE ELECTRICALLY MOTOR DRIVEN HAMMERING TOOLS. Independent Pneumatic Tool Company, Chicago, Ill.
Filed July 17, 1939. Serial No. 421,653. PUBLISHED NOVEMBER 14, 1939. Class 21.

385,552. PACKED OR PACKAGED PLANTS. Charles E. Reid, doing business as Reid's Rose Farms, Tyler, Tex.
Filed July 24, 1939. Serial No. 421,903. PUBLISHED DECEMBER 31, 1940. Class 1.

385,553. WHEAT FLOUR, BAKERS' WHEAT FLOUR, RYE FLOUR, GRAHAM FLOUR, BRAN, RED DOG WHEAT FLOUR, AND FEEDS FOR LIVESTOCK AND POULTRY. Standard Milling Company, New York, N. Y.
Filed August 4, 1939. Serial No. 422,300. PUBLISHED DECEMBER 31, 1940. Class 46.

385,554. COFFEE AND TEA. United Coffee Service, Inc., New York, N. Y.
Filed September 1, 1939. Serial No. 423,245. PUBLISHED DECEMBER 31, 1940. Class 46.

385,555. SOAPS, CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADENT NATURE, FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. Brillo Manufacturing Company, Inc., New York, N. Y.
Filed September 5, 1939. Serial No. 423,288. PUBLISHED DECEMBER 31, 1940. Class 4.

385,556. NECKTIES. H. C. Cohn & Co., Rochester, N. Y.
Filed November 3, 1939. Serial No. 425,184. PUBLISHED DECEMBER 17, 1940. Class 39.

385,557. AUTOMATIC OFFICE TELEPHONES. Private Telephones, Inc., Cleveland, Ohio.
Filed November 3, 1939. Serial No. 425,208. PUBLISHED DECEMBER 31, 1940. Class 21.

385,558. ADDING MACHINES, CALCULATORS, CASH REGISTERING MACHINES, AND BOOKKEEPING MACHINES. Allen Calculators, Incorporated, New York, N. Y.
Filed November 4, 1939. Serial No. 425,217. PUBLISHED FEBRUARY 6, 1940. Class 26.

385,559. AUTOMATIC OFFICE TELEPHONES. Private Telephones, Inc., Cleveland, Ohio.
Filed November 10, 1939. Serial No. 425,532. PUBLISHED DECEMBER 31, 1940. Class 21.

385,560. SHOE LACES. Rudolf DeWitt Corke, Yonkers, N. Y.
Filed January 15, 1940. Serial No. 427,459. PUBLISHED DECEMBER 24, 1940. Class 40.

385,561. MOUTH PIECES FOR PREVENTING SNORING. Donald H. Waite, San Francisco, Calif.
Filed January 27, 1940. Serial No. 427,940. PUBLISHED DECEMBER 24, 1940. Class 44.

385,562. CIGARS. The American Tobacco Company, New York, N. Y.
Filed February 20, 1940. Serial No. 428,720. PUBLISHED DECEMBER 31, 1940. Class 17.

385,563. GINGER ALE AND OTHER SOFT DRINKS. Latrobe Brewing Company, Latrobe, Pa.
Filed March 8, 1940. Serial No. 429,363. PUBLISHED DECEMBER 24, 1940. Class 45.

385,564. COMBINATION MIRROR AND LIGHT. Peeper Rack Mirror Company, Fort Worth, Tex.
Filed March 23, 1940. Serial No. 429,913. PUBLISHED DECEMBER 31, 1940. Class 32.

385,565. MEN'S AND LADIES' SHOES MADE OF LEATHER OR FABRIC. Joseph Burger, New York, N. Y.
Filed March 25, 1940. Serial No. 429,933. PUBLISHED DECEMBER 17, 1940. Class 39.

385,566. ELECTRIC FLOOR LAMPS. Cuyahoga Furniture and Lamp Co., Cleveland, Ohio.
Filed April 2, 1940. Serial No. 430,298. PUBLISHED DECEMBER 24, 1940. Class 21.

385,567. COMBINATION RADIO RECEIVING AND TALKING MACHINE SETS. Zenith Radio Corporation, Chicago, Ill.
Filed April 19, 1940. Serial No. 430,983. PUBLISHED DECEMBER 31, 1940. Class 36.

385,568. GOLF TEES AND GOLF BAGS. Earl J. Smith, doing business as E. J. Smith Company, Charlotte, N. C.
Filed April 25, 1940. Serial No. 431,227. PUBLISHED DECEMBER 31, 1940. Class 22.

385,569. RUBBER PARTS FOR MILKING MACHINERY PARTS COMPRISING TEAT CUP MILK TUBES, MILK TRANSFER TUBES, ETC. The De Laval Separator Company, New York, N. Y.
Filed May 7, 1940. Serial No. 431,649. PUBLISHED DECEMBER 24, 1940. Class 35.

385,570. CHOCOLATE MILK BEVERAGE, AND TOMATO JUICE. Maryland Beverage Company Incorporated, Baltimore, Md.
Filed May 20, 1940. Serial No. 432,143. PUBLISHED DECEMBER 31, 1940. Class 46.

385,571. FERROUS CASTINGS. Chicago Malleable Castings Co., Chicago, Ill.
Filed May 23, 1940. Serial No. 432,235. PUBLISHED DECEMBER 31, 1940. Class 14.

385,572. FLUE LINING. The Kaul Clay Manufacturing Company, Toronto, Ohio.
Filed May 23, 1940. Serial No. 432,256. PUBLISHED DECEMBER 31, 1940. Class 34.

385,573. JAVELINS, VAULTING POLES, DISCUSES, PUTTING SHOTS, JAVELIN SHAFTS, RACE BATONS, RACE STARTING BLOCKS, TOE BOARDS, ETC. The Harry Gill Co., Urbana, Ill.
Filed May 28, 1940. Serial No. 432,441. PUBLISHED DECEMBER 31, 1940. Class 22.

385,574. LADIES' POCKETBOOKS, PURSES, AND HANDBAGS. Wm. Wilder Co., Inc., New York, N. Y.
Filed June 18, 1940. Serial No. 433,136. PUBLISHED DECEMBER 31, 1940. Class 3.

385,575. POULTRY SUPPLIES—NAMELY, ANTI-PICK DEVICES AND PARTS THEREOF, FOUNTAINS AND WATERERS, AND PARTS THEREOF, ETC. J. Clayton Cridlebaugh, also doing business as The Marvel Company, Arcadia, Calif.
Filed June 19, 1940. Serial No. 433,157. PUBLISHED DECEMBER 31, 1940. Class 50.

385,576. CLINICAL THERMOMETERS. Hiroshi Morishita, Higashi-Ku, Osaka-Shi, Japan.
Filed June 26, 1940. Serial No. 433,398. PUBLISHED DECEMBER 31, 1940. Class 26.

385,577. APPARATUS FOR TYPEWRITERS FOR MAKING MULTIPLE COPY BY USING MULTIPLE INKING RIBBONS. Josefina Rosa Geser, Zurich, Switzerland.
Filed July 5, 1940. Serial No. 433,710. PUBLISHED DECEMBER 24, 1940. Class 23.

385,578. FRENCH DRESSING FOR SALADS, SEAFOODS, AND COLD CUTS. Emilie Cochard, doing business as Madame Cochard, Santa Barbara, Calif.
Filed July 16, 1940. Serial No. 434,014. PUBLISHED DECEMBER 24, 1940. Class 46.

385,579. KNITTING PINS AND CROCHET HOOKS. The Boye Needle Company, Chicago, Ill.
Filed July 24, 1940. Serial No. 434,265. PUBLISHED DECEMBER 24, 1940. Class 40.

385,580. HANDKERCHIEFS. Hudson Handkerchief Co., Inc., Newark, N. J.
Filed July 29, 1940. Serial No. 434,444. PUBLISHED DECEMBER 24, 1940. Class 39.

385,581. METAL POLISH. Sarah L. Logie, Cleveland, Ohio.
Filed July 29, 1940. Serial No. 434,450. PUBLISHED DECEMBER 31, 1940. Class 4.

385,582. SHOWER CURTAINS AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT. Para Manufacturing Co., Inc., Newark, N. J.
Filed July 30, 1940. Serial No. 434,501. PUBLISHED DECEMBER 31, 1940. Class 13.

385,583. LADIES' GLOVES OF FABRIC AND COMBINATIONS OF FABRIC AND LEATHER. Julius Kayser & Co., New York, N. Y.
Filed August 10, 1940. Serial No. 434,879. PUBLISHED OCTOBER 22, 1940. Class 39.

385,584. TEXTILE MACHINERY SUCH AS WOOL WASHING MACHINES; WOOL, COTTON, SOAP, AND RUBBER DRYERS; AUTOMATIC FEEDS; ETC. C. G. Sargent's Sons Corporation, Graniteville, Mass.
Filed August 10, 1940. Serial No. 434,883. PUBLISHED DECEMBER 24, 1940. Class 23.

385,585. BUTTONS, BUCKLES, DRESS FASTENERS, AND ORNAMENTS FOR THE DRESS AND FOR PERSONAL ADORNMENT, NONE OF THESE GOODS BEING JEWELRY OR PRECIOUS METAL WARE. Colfast Buttons Limited, London, England.
Filed August 14, 1940. Serial No. 434,971. PUBLISHED DECEMBER 31, 1940. Class 40.

385,586. MARSHMALLOW TOPPING. Sarah Lakoff, doing business as The Cremo Mfg. Co., Philadelphia, Pa.
Filed August 15, 1940. Serial No. 435,021. PUBLISHED DECEMBER 24, 1940. Class 46.

385,587. EXHAUST FANS AND VENTILATING FANS. George J. Belter, doing business as Belco Exhaust Fan Mfg. Co., St. Louis, Mo.
Filed August 19, 1940. Serial No. 435,115. PUBLISHED DECEMBER 31, 1940. Class 34.

385,588. MINERAL CATTLE FEED. Wuichet Products, Inc., Dayton, Ohio.
Filed August 20, 1940. Serial No. 435,187. PUBLISHED DECEMBER 31, 1940. Class 46.

385,589. CANNED VEGETABLES. Columbus Foods Corporation, Columbus, Wis.
Filed August 21, 1940. Serial No. 435,196. PUBLISHED DECEMBER 31, 1940. Class 46.

385,590. CHILDREN'S WEAR—NAMELY, COATS, SUITS, SNOWSUITS, HATS, LEGGINGS, AND GLOVES MADE OF FABRIC. Julius Katz & Company, Inc., New York, N. Y.
Filed August 23, 1940. Serial No. 435,299. PUBLISHED DECEMBER 24, 1940. Class 39.

385,591. INFANTS' AND CHILDREN'S SHOES MADE OF LEATHER AND FABRIC. Moran Shoe Company, Carlyle, Ill.
Filed August 23, 1940. Serial No. 435,307. PUBLISHED DECEMBER 17, 1940. Class 39.

385,592. MEN'S, WOMEN'S, MISSES', AND CHILDREN'S SKATING SHOES, SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. Walter Ebling, New York, N. Y.
Filed August 24, 1940. Serial No. 435,354. PUBLISHED DECEMBER 24, 1940. Class 39.

385,593. HATS INTENDED FOR WEAR BY MEN, WOMEN, AND CHILDREN. Angel Suarez & Hnos., Inc., San Juan, P. R.
Filed August 26, 1940. Serial No. 435,409. PUBLISHED DECEMBER 17, 1940. Class 39.

385,594. GAS AND ELECTRIC COOKING STOVES, OVENS, AND PARTS THEREOF. The Estate Stove Company, Hamilton, Ohio.
Filed August 27, 1940. Serial No. 435,424. PUBLISHED DECEMBER 31, 1940. Class 34.

385,595. SHOES COMPOSED OF LEATHER AND FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. Carson Pirie Scott & Company, Chicago, Ill.
Filed August 28, 1940. Serial No. 435,447. PUBLISHED DECEMBER 17, 1940. Class 39.

385,596. BOYS' SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS. The Educator Shoe Corporation of America, New York, N. Y.
Filed September 4, 1940. Serial No. 435,647. PUBLISHED DECEMBER 24, 1940. Class 39.

385,597. HATS FOR MEN AND WOMEN. Hat Corporation of America, Norwalk, Conn.
Filed September 7, 1940. Serial No. 435,759. PUBLISHED DECEMBER 24, 1940. Class 39.

385,598. PIECE GOODS OF RAYON AND WOOL, AND OF RAYON, ACETATE, COTTON, AND COMBINATIONS THEREOF. Bradford Dyeing Association (U. S. A.), Bradford, R. I.
Filed September 10, 1940. Serial No. 435,828. PUBLISHED DECEMBER 31, 1940. Class 42.

385,599. LIGHT SENSITIVE PHOTOGRAPHIC PAPER. Defender Photo Supply Co., Inc., Rochester, N. Y.
Filed September 17, 1940. Serial No. 436,049. PUBLISHED DECEMBER 31, 1940. Class 26.

385,600. FIBRES, SLIVER, SLUBBING, AND ROVING. Harry C. Wolfenden, doing business as R. Wolfenden & Sons, Attleboro, Mass.
Filed September 18, 1940. Serial No. 436,108. PUBLISHED DECEMBER 3, 1940. Class 1.

385,601. CHAIRS, SETTEES, TABLES, BEDS, MIRRORS, DESKS, GENERAL LIVING-ROOM, DINING-ROOM, AND BED-ROOM FURNITURE, ETC. Lewisburg Chair and Furniture Co., Lewisburg, Pa.
Filed September 19, 1940. Serial No. 436,128. PUBLISHED DECEMBER 31, 1940. Class 32.

385,602. AIR REGISTERS OR CONTROLLING MEANS FOR SUPPLYING AIR TO AN OIL BURNER. TODD COMBUSTION EQUIPMENT, INC., New York, N. Y.
Filed September 19, 1940. Serial No. 436,151. PUBLISHED DECEMBER 31, 1940. Class 34.

385,603. OIL BURNERS. TODD COMBUSTION EQUIPMENT, INC., New York, N. Y.
Filed September 19, 1940. Serial No. 436,152. PUBLISHED DECEMBER 31, 1940. Class 34.

385,604. ELECTRIC BATTERIES. WINCHARGER CORPORATION, Sioux City, Iowa.
Filed September 19, 1940. Serial No. 436,154. PUBLISHED DECEMBER 31, 1940. Class 21.

385,605. DIAPERS, INFANTS' SLEEPING ROBES, TRAINING PANTIES, COTTON BANDS AND SHIRTS, WOOL AND RAYON BANDS AND SHIRTS, KIMONOS, NIGHTGOWNS, AND DRESSES. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed September 20, 1940. Serial No. 436,158. PUBLISHED DECEMBER 24, 1940. Class 39.

385,606. COLLAPSIBLE GLUED BOXES, CARTONS, AND TRAYS MADE OF BOXBOARD, PAPERBOARD, OR CARDBOARD. EMPIRE BOX CORPORATION, Garfield, N. J., and Chicago, Ill.
Filed September 20, 1940. Serial No. 436,167. PUBLISHED DECEMBER 24, 1940. Class 2.

385,607. LIVING-ROOM, BEDROOM, AND DINING ROOM FURNITURE AND UPHOLSTERED FURNITURE, ETC. EASTERN-COLUMBIA, INC., Los Angeles, Huntington Park, and Pasadena, Calif.
Filed September 23, 1940. Serial No. 436,256. PUBLISHED DECEMBER 31, 1940. Class 32.

385,608. PIES, CAKES, COOKIES, ROLLS, DOUGHNUTS, SNAPS, MACAROONS, AND WAFERS. FARM CREST BAKERIES, INCORPORATED, Wilmington, Del., and Detroit, Mich.
Filed September 23, 1940. Serial No. 436,258. PUBLISHED DECEMBER 31, 1940. Class 46.

385,609. CANNED MUSHROOMS. MID-WEST MUSHROOM COMPANY, Kansas City, Mo.
Filed September 23, 1940. Serial No. 436,277. PUBLISHED DECEMBER 24, 1940. Class 46.

385,610. ALE. THE VICTOR BREWING COMPANY, Johnnette, Pa.
Filed September 23, 1940. Serial No. 436,292. PUBLISHED DECEMBER 31, 1940. Class 48.

385,611. SHOES MADE OF RUBBER, LEATHER AND/OR FABRIC. THE FASHION BOOTERY, Seattle, Wash.
Filed September 24, 1940. Serial No. 436,304. PUBLISHED DECEMBER 17, 1940. Class 39.

385,612. FLY-KILLERS OR HAND DEVICES FOR KILLING FLIES AND OTHER INSECTS. UNITED STATES MANUFACTURING CORPORATION, Decatur, Ill.
Filed September 24, 1940. Serial No. 436,330. PUBLISHED DECEMBER 31, 1940. Class 50.

385,613. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed September 26, 1940. Serial No. 436,378. PUBLISHED DECEMBER 31, 1940. Class 22.

385,614. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed September 26, 1940. Serial No. 436,379. PUBLISHED DECEMBER 31, 1940. Class 22.

385,615. COMBS. SCHWARTZ-GILBERT CO., INC., New York, N. Y.
Filed September 26, 1940. Serial No. 436,402. PUBLISHED DECEMBER 17, 1940. Class 40.

385,616. CANNED DOG FOOD. READY FOODS COMPANY, INC., also doing business as American Beef Company, Chicago, Ill.
Filed September 27, 1940. Serial No. 436,440. PUBLISHED DECEMBER 24, 1940. Class 46

385,617. HACK SAW FRAMES. ROBERT B. AITCHISON, Glendale, Calif., assignor to Rapid Mfg. Co., Glendale, Calif., a corporation of California.
Filed September 28, 1940. Serial No. 436,459. PUBLISHED DECEMBER 24, 1940. Class 23.

385,618. PAPER CUPS AND PAPER CONTAINERS IN THE GENERAL NATURE OF PAPER CANS. LILY-TULIP CORPORATION, New York, N. Y.
Filed September 28, 1940. Serial No. 436,475. PUBLISHED DECEMBER 31, 1940. Class 2.

385,619. MAYONNAISE. SAMUEL MERVIS CO., Baltimore, Md.
Filed September 30, 1940. Serial No. 436,519. PUBLISHED DECEMBER 31, 1940. Class 46.

385,620. TEXTILE DIAPERS. CHICOPEE MANUFACTURING CORPORATION, New Brunswick, N. J.
Filed October 1, 1940. Serial No. 436,541. PUBLISHED DECEMBER 31, 1940. Class 39.

385,621. TIRES. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y.
Filed October 1, 1940. Serial No. 436,542. PUBLISHED DECEMBER 31, 1940. Class 35.

385,622. SUGAR MIXING MACHINES. AMERICAN TOOL & MACHINE CO., Hyde Park, Mass.
Filed October 2, 1940. Serial No. 436,557. PUBLISHED DECEMBER 24, 1940. Class 23.

385,623. MEN'S HATS. SOCIETY CLUB HATS CORP., New York, N. Y.
Filed October 2, 1940. Serial No. 436,584. PUBLISHED DECEMBER 17, 1940. Class 39.

385,624. FROZEN CONFECTIONS. SWIFT AND COMPANY, Chicago, Ill.
Filed October 2, 1940. Serial No. 436,585. PUBLISHED DECEMBER 31, 1940. Class 46.

385,625. PIECE GOODS CONTAINING CELLULOSE ACETATE RAYON. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed October 3, 1940. Under act of February 20, 1905, as amended June 10, 1938. Serial No. 436,600. PUBLISHED DECEMBER 31, 1940. Class 42.

385,626. SHOES OF LEATHER OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed October 4, 1940. Serial No. 436,651. PUBLISHED DECEMBER 24, 1940. Class 39.

385,627. SHOES OF LEATHER OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed October 4, 1940. Serial No. 436,652. PUBLISHED DECEMBER 24, 1940. Class 39.

385,628. SMOKING TOBACCO AND CHEWING TOBACCO. LARUS & BROTHER COMPANY, INC., Richmond, Va.
Filed October 5, 1940. Serial No. 436,671. PUBLISHED DECEMBER 31, 1940. Class 17.

385,629. MEN'S, WOMEN'S, AND CHILDREN'S HATS AND SWEATBANDS. THE BRITTANY HAT CO., INC., New York, N. Y.
Filed October 7, 1940. Serial No. 436,685. PUBLISHED DECEMBER 31, 1940. Class 39.

385,630. DOESKIN AND BUCKSKIN HAND TANNED, HAND SEWN PRODUCTS—NAMELY, GLOVES, MOCCASINS, BELTS FOR PERSONAL WEAR, JACKETS, AND BOLEROS. KATERI CLUB, De Smet, Idaho.
Filed October 7, 1940. Serial No. 436,693. PUBLISHED DECEMBER 24, 1940. Class 39.

385,631. CREAM CONTAINING A VEGETABLE STABILIZER. REAL CREAM INCORPORATED, San Francisco, Calif.
Filed October 7, 1940. Serial No. 436,700. PUBLISHED DECEMBER 24, 1940. Class 46.

385,632. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. GENERAL SHOE CORPORATION, Nashville, Tenn.
Filed October 8, 1940. Serial No. 436,721. PUBLISHED DECEMBER 24, 1940. Class 39.

385,633. HAMS, PICNICS, AND BACONS. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed October 8, 1940. Serial No. 436,731. PUBLISHED DECEMBER 24, 1940. Class 46.

385,634. LADIES' AND CHILDREN'S HATS. BETMAR HATS, INC., New York, N. Y.
Filed October 9, 1940. Serial No. 436,755. PUBLISHED DECEMBER 24, 1940. Class 39.

385,635. SHOES MADE OF LEATHER, FABRIC, AND LEATHER AND FABRIC. THE GILBERT SHOE COMPANY, Thiensville, Wis.
Filed October 9, 1940. Serial No. 436,764. PUBLISHED DECEMBER 24, 1940. Class 39.

385,636. HATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed October 9, 1940. Serial No. 436,766. PUBLISHED DECEMBER 17, 1940. Class 39.

385,637. NATURAL FLOWERS AND POTTED PLANTS. CHARLES B. JONES, Cincinnati, Ohio.
Filed October 9, 1940. Serial No. 436,768. PUBLISHED DECEMBER 31, 1940. Class 1.

385,638. WHEEL COUNTERBALANCING WEIGHTS FOR VEHICLES. CLAUD W. MILLS, doing business as Midwestern Auto Parts, Kokomo, Ind.
Filed October 9, 1940. Serial No. 436,773. PUBLISHED DECEMBER 31, 1940. Class 19.

385,639. PUNCH BOARDS FOR SALES STIMULATING AND OTHER PURPOSES. GEORGE D. BAROK, Columbus, Ohio.
Filed October 10, 1940. Serial No. 436,796. PUBLISHED DECEMBER 24, 1940. Class 22.

385,640. FOOD PRODUCTS MADE FROM BARLEY MALT, MILK, AND OTHER INGREDIENTS, SWEETENED OR UNSWEETENED, FOR USE IN MAKING FOOD BEVERAGES. THE WANDER COMPANY, Chicago, Ill.
Filed October 10, 1940. Serial No. 436,827. PUBLISHED DECEMBER 24, 1940. Class 46.

385,641. READY-TO-SERVE FOOD PRODUCT IN FLUID FORM CONTAINING MILK WITH SUGAR, COCOA, AND OTHER INGREDIENTS. THE WANDER COMPANY, Chicago, Ill.
Filed October 10, 1940. Serial No. 436,828. PUBLISHED DECEMBER 31, 1940. Class 46.

385,642. BUTTONS, BUCKLES, AND ORNAMENTAL DRESS CLIPS, NOT MADE OF PRECIOUS METAL. BAILEY, GREEN & ELGER, INC., New York, N. Y.
Filed October 11, 1940. Serial No. 436,831. PUBLISHED DECEMBER 31, 1940. Class 40.

385,643. NON-ELECTRICAL HAIR CURLERS. H. GOODMAN & SONS, INC., Jersey City, N. J.
Filed October 11, 1940. Serial No. 436,844. PUBLISHED DECEMBER 31, 1940. Class 40.

385,644. ARTIFICIAL FLOWERS IN THE NATURE OF COIFFURE ORNAMENTS. ABRAHAM FINGERHUT, doing business as Aster Flower Co., New York, N. Y.
Filed October 12, 1940. Serial No. 436,884. PUBLISHED DECEMBER 31, 1940. Class 40.

385,645. WRIST WATCH STRAPS MADE OF A PLASTIC MATERIAL. LASKO STRAP COMPANY, Jersey City, N. J.
Filed October 12, 1940. Serial No. 436,896. PUBLISHED DECEMBER 17, 1940. Class 40.

385,646. WATER REPELLENT TEXTILE FABRICS. SEA ISLAND MILLS, INC., New York, N. Y.
Filed October 12, 1940. Serial No. 436,911. PUBLISHED DECEMBER 31, 1940. Class 42.

385,647. PENNANTS, BANNERS, PLAQUES, EMBLEMS NOT OF PRECIOUS METAL, BUTTONS, FLAGS AND FLAG POLES, BADGES, PRIZE RIBBONS, WOODEN AND METAL SIGNS NOT INTENDED FOR MECHANICAL OR ELECTRICAL OPERATION, AND FELT TROPHIES. FUTURE FARMERS OF AMERICA, INC., Richmond, Va., and Washington, D. C.
Filed October 14, 1940. Serial No. 436,926. PUBLISHED DECEMBER 31, 1940. Class 50.

385,648. FRESH GRAPES. GEORGE BROTHERS, Dinuba, Calif.
Filed October 14, 1940. Serial No. 436,929. PUBLISHED DECEMBER 24, 1940. Class 46.

385,649. ELECTRIC STEAMING IRONS. STEEM-ELECTRIC CORPORATION, St. Louis, Mo.
Filed October 14, 1940. Serial No. 436,944. PUBLISHED DECEMBER 31, 1940. Class 21.

385,650. PREPARED MIX OF POTATOES AND OTHER INGREDIENTS FOR MAKING POTATO PIE FOR BAKING. ABRAHAM EISENSTEIN, Brooklyn, N. Y.
Filed October 15, 1940. Serial No. 436,964. PUBLISHED DECEMBER 24, 1940. Class 46.

385,651. PROTECTIVE PADS FOR PACKING AND STORING HATS. LOUIS JACOBS, New York, N. Y.
Filed October 15, 1940. Serial No. 436,971. PUBLISHED DECEMBER 31, 1940. Class 50.

385,652. CARBON PAPER AND TYPEWRITER RIBBONS. OLD TOWN RIBBON & CARBON CO. INC., New York, N. Y.
Filed October 15, 1940. Serial No. 436,976. PUBLISHED DECEMBER 31, 1940. Class 11.

385,653. PLASTIC SHOE FILLER CONTAINING RUBBER. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 16, 1940. Serial No. 436,994. PUBLISHED DECEMBER 31, 1940. Class 1.

385,654. LADIES' SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. SAMUELS SHOE COMPANY, St. Louis, Mo.
Filed October 16, 1940. Serial No. 437,016. PUBLISHED DECEMBER 31, 1940. Class 39.

385,655. CHEESE. CHEESE IMPORTING CO., INC., New York, N. Y.
Filed October 17, 1940. Serial No. 437,027. PUBLISHED DECEMBER 24, 1940. Class 46.

385,656. SPONGE AND CELLULAR RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 17, 1940. Serial No. 437,033. PUBLISHED DECEMBER 31, 1940. Class 1.

385,657. CREAM CHEESE. ABBOTTS DAIRIES, INCORPORATED, Philadelphia, Pa.
Filed October 18, 1940. Serial No. 437,051. PUBLISHED DECEMBER 31, 1940. Class 46.

385,658. HAIR COMBS. LEVIN BROTHERS, New York, N. Y.
Filed October 18, 1940. Serial No. 437,069. PUBLISHED DECEMBER 17, 1940. Class 40.

385,659. OPHTHALMIC LENSES, OPHTHALMIC MOUNTINGS, MICROSCOPES, AND ACCESSORIES, BINOCULARS, ETC. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed October 19, 1940. Serial No. 437,079. PUBLISHED DECEMBER 24, 1940. Class 26.

385,660. OPHTHALMIC MOUNTINGS. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed October 19, 1940. Serial No. 437,080. PUBLISHED DECEMBER 24, 1940. Class 26.

385,661. JUTE WEBBING. CHARLES BOAS, New York, N. Y.
Filed October 19, 1940. Serial No. 437,081. PUBLISHED DECEMBER 31, 1940. Class 50.

385,662. CANNED TOMATO AND GREEN CHILE JUICE FOR FOOD PURPOSES. E. C. ORTEGA CO., Los Angeles, Calif.
Filed October 19, 1940. Serial No. 437,101. PUBLISHED DECEMBER 24, 1940. Class 46.

385,663. CARPET SWEEPER. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich.
Filed October 21, 1940. Serial No. 437,117. PUBLISHED DECEMBER 24, 1940. Class 23.

385,664. EDUCATIONAL BOARD GAME PLAYED WITH MOVABLE PIECES AND A SPINNER. BURRISS-HANKS COMPANY, Alhambra, Calif.
Filed October 21, 1940. Serial No. 437,120. PUBLISHED DECEMBER 31, 1940. Class 22.

385,665. PIE CRUST. NETTIE LORENZ, doing business as Modern Mother Product Co., Council Bluffs, Iowa.
Filed October 21, 1940. Serial No. 437,138. PUBLISHED DECEMBER 31, 1940. Class 46.

385,666. GRIT WASHING APPARATUS IN SEWAGE DISPOSAL PLANTS. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed October 23, 1940. Serial No. 437,201. PUBLISHED DECEMBER 24, 1940. Class 23.

385,667. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR, PAJAMAS, SLIPS, AND BRASSIÈRES. MITCHELL BROTHERS INC., New York, N. Y., and Bridgeport, Conn.
Filed October 23, 1940. Serial No. 437,211. PUBLISHED DECEMBER 24, 1940. Class 39.

385,668. FOOD SPECIALLY PREPARED FOR INFANT FEEDING. S. M. A. CORPORATION, Chicago, Ill.
Filed October 23, 1940. Serial No. 437,221. PUBLISHED DECEMBER 31, 1940. Class 46.

385,669. TIRE CHAINS. UNITED CO-OPERATIVES, INC., Indianapolis, Ind.
Filed October 23, 1940. Serial No. 437,228. PUBLISHED DECEMBER 31, 1940. Class 13.

385,670. LABORATORY GLASSWARE. CORNING GLASS WORKS, Corning, N. Y.
Filed October 24, 1940. Serial No. 437,239. PUBLISHED DECEMBER 31, 1940. Class 26.

385,671. LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL, PARTICULARLY PHOTOGRAPHIC PAPER. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed October 24, 1940. Serial No. 437,243. PUBLISHED DECEMBER 31, 1940. Class 26.

385,672. LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL, PARTICULARLY PHOTOGRAPHIC PAPER. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed October 24, 1940. Serial No. 437,244. PUBLISHED DECEMBER 31, 1940. Class 26.

385,673. LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL, PARTICULARLY PHOTOGRAPHIC FILM. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed October 24, 1940. Serial No. 437,245. PUBLISHED DECEMBER 31, 1940. Class 26.

385,674. ELECTRIC REFRIGERATORS. MCGREEVEY, WERRING & HOWELL, INC., New York, N. Y.
Filed October 24, 1940. Serial No. 437,248. PUBLISHED DECEMBER 31, 1940. Class 31.

385,675. METAL HAMPERS. JACOB I. RUSSAKOV, doing business as The Russakov Company, Chicago, Ill.
Filed October 24, 1940. Serial No. 437,253. PUBLISHED DECEMBER 31, 1940. Class 2.

385,676. FIXED FIRE EXTINGUISHING UNITS, CONDUITS, VALVES, AND DISCHARGE NOZZLES. CARBON CORPORATION, Chicago, Ill.
Filed October 25, 1940. Serial No. 437,267. PUBLISHED DECEMBER 31, 1940. Class 13.

385,677. FRESH LETTUCE. W. B. GRAINGER PACKING COMPANY, Salinas, Calif.
Filed October 25, 1940. Serial No. 437,280. PUBLISHED DECEMBER 31, 1940. Class 46.

385,678. FLASHLIGHTS AND FLASHLIGHT CASES. BURGESS BATTERY COMPANY, Chicago, Ill.
Filed October 28, 1940. Serial No. 437,333. PUBLISHED DECEMBER 31, 1940. Class 21.

385,679. MATCHES. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y.
Filed October 29, 1940. Serial No. 437,364. PUBLISHED DECEMBER 31, 1940. Class 9.

385,680. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed October 29, 1940. Serial No. 437,366. PUBLISHED DECEMBER 31, 1940. Class 42.

385,681. ELECTRIC RELAYS AND FLUORESCENT LAMP STARTING DEVICES. HYGRADE SYLVANIA CORPORATION, Salem, Mass.
Filed October 30, 1940. Serial No. 437,410. PUBLISHED DECEMBER 31, 1940. Class 21.

385,682. LADIES' BRASSIÈRES. BERGER HOSIERY COMPANY INCORPORATED, Philadelphia, Pa.
Filed October 31, 1940. Serial No. 437,429. PUBLISHED DECEMBER 31, 1940. Class 39.

385,683. WOOLEN AND WORSTED PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed October 31, 1940. Serial No. 437,431. PUBLISHED DECEMBER 31, 1940. Class 42.

385,684. MATTRESSES. THE ENGLANDER COMPANY, INC., Chicago, Ill.
Filed October 31, 1940. Serial No. 437,437. PUBLISHED DECEMBER 24, 1940. Class 32.

385,685. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed October 31, 1940. Serial No. 437,438. PUBLISHED DECEMBER 31, 1940. Class 26.

385,686. HOUSEHOLD CURTAINS OF COTTON, RAYON, OR THE LIKE, AND PIECE GOODS FROM WHICH CURTAINS ARE MADE. QUEEN VALLEY FABRICS, INC., Valley Falls, R. I.
Filed October 31, 1940. Serial No. 437,454. PUBLISHED DECEMBER 31, 1940. Class 42.

385,687. PAPERBOARD OR CORRUGATED PAPERBOARD STORAGE WARDROBES AND CHESTS. ODORA COMPANY, INC., New York, N. Y.
Filed November 1, 1940. Serial No. 437,477. PUBLISHED DECEMBER 24, 1940. Class 32.

385,688. DISHCLOTHS. HOWARD L. ROSS CORPORATION, New York, N. Y.
Filed November 1, 1940. Serial No. 437,482. PUBLISHED DECEMBER 31, 1940. Class 42.

385,689. WHEAT FLOUR. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed November 2, 1940. Serial No. 437,518. PUBLISHED DECEMBER 31, 1940. Class 46.

385,690. CANNED SALMON. ROBERT LINDENBERGER, doing business as R. Lindenberger & Co., Seattle, Wash.
Filed November 2, 1940. Serial No. 437,520. PUBLISHED DECEMBER 31, 1940. Class 46.

385,691. CANNED SALMON. ROBERT LINDENBERGER, doing business as R. Lindenberger & Co., Seattle, Wash.
Filed November 2, 1940. Serial No. 437,521. PUBLISHED DECEMBER 31, 1940. Class 46.

385,692. ELECTRICALLY OPERATED REFRIGERATORS. SIGNAL OIL AND GAS COMPANY, doing business as Bi-Rite Stores, Los Angeles, Calif.
Filed November 2, 1940. Serial No. 437,534. PUBLISHED DECEMBER 24, 1940. Class 31.

385,693. BURIAL CASKETS. THE BATESVILLE CASKET CO., Batesville, Ind.
Filed November 4, 1940. Serial No. 437,547. PUBLISHED DECEMBER 31, 1940. Class 2.

385,694. FRESH BEANS, FRESH BEETS, FRESH CABBAGE, FRESH LETTUCE, FRESH RADISHES, FRESH KALE, FRESH COLLARDS, FRESH PARSLEY, FRESH SPINACH, FRESH PEAS, FRESH CELERY, FRESH POTATOES, FRESH CORN, AND FRESH BERRIES. GROWERS EXCHANGE, INC., Norfolk, Va.
Filed November 5, 1940. Serial No. 437,593. PUBLISHED DECEMBER 31, 1940. Class 46.

385,695. MANICURE SETS. PEGGY SAGE, INC., Stamford, Conn.
Filed November 5, 1940. Serial No. 437,600. PUBLISHED DECEMBER 24, 1940. Class 44.

385,696. CANNED OYSTERS AND CANNED SALMON. IVAR C. H. WENDT, doing business as Ivar Wendt, Seattle, Wash.
Filed November 6, 1940. Serial No. 437,635. PUBLISHED DECEMBER 31, 1940. Class 46.

385,697. APPAREL BELTS AND SUSPENDERS. GEORGE FROST COMPANY, Boston, Mass.
Filed November 8, 1940. Serial No. 437,676. PUBLISHED DECEMBER 31, 1940. Class 39.

385,698. APPARATUS FOR INDUSTRIALLY CARBONATING AND COOLING LIQUIDS. MOJONNIER BROS. CO., Chicago, Ill.
Filed November 8, 1940. Serial No. 437,691. PUBLISHED DECEMBER 31, 1940. Class 31.

385,699. BRASSIÈRES, BANDEAUX, FOUNDATION GARMENTS, CORSETS, CORSELETS, PANTIES, PANTIE-GIRDLES, GIRDLES, AND GARTER-BELTS. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed November 9, 1940. Serial No. 437,730. PUBLISHED DECEMBER 31, 1940. Class 39.

385,700. RADIO GAME INCLUDING PRINTED HINT CARDS OR TICKETS. WELLINGTON C. NICHOLS, also doing business as The Winsom Company, Evanston and Chicago, Ill.
Filed November 12, 1940. Serial No. 437,781. PUBLISHED DECEMBER 24, 1940. Class 22.

385,701. VENETIAN BLINDS. WM. CAMERON & CO., INC., Waco, Tex.
Filed November 13, 1940. Serial No. 437,807. PUBLISHED DECEMBER 31, 1940. Class 32.

385,702. VENETIAN BLINDS. WM. CAMERON & CO., INC., Waco, Tex.
Filed November 13, 1940. Serial No. 437,808. PUBLISHED DECEMBER 31, 1940. Class 32.

385,703. VAGINAL DIAPHRAGMS. FEDERAL PHYSICIAN'S SUPPLY CO., Denver, Colo.
Filed November 14, 1940. Serial No. 437,858. PUBLISHED DECEMBER 31, 1940. Class 44.

385,704. SOAP. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed November 15, 1940. Serial No. 437,893. PUBLISHED DECEMBER 31, 1940. Class 4.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

385,705. (CLASS 39. CLOTHING.) LINCOLN STORES, INC., Quincy, Mass. Filed Jan. 25, 1938. Serial No. 402,302.

Lady Lincoln

FOR WOMEN'S UNDERWEAR AND WOMEN'S HOSIERY.
Claims use since March, 1937.

385,706. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EAGLE ELECTRIC MFG. CO., INC., Brooklyn, N. Y. Filed Mar. 20, 1939. Serial No. 417,270.

SUPERIOR

FOR ELECTRICAL APPARATUS AND SUPPLIES COMPRISING ATTACHMENT PLUGS, APPLIANCE CORDS, LAMP RECEPTACLES, ELECTRIC SADIRONS, ELECTRIC SADIRON HEATING ELEMENTS, RADIANT HEATERS, RADIANT HEATING COILS, RESISTANCE WIRES, GRIDLEAKS, WINDOW LEADINS, AERIAL SETS; PORCELAIN, GLASS, AND COMPOSITION INSULATORS; GROUND CLAMPS, ELECTRIC SOLDERING IRONS, CONNECTOR CLIPS, ELECTRIC SIGN FLASHERS, EXTENSION CORDS, BATTERY CLIPS AND LIGHTNING ARRESTERS, ELECTRIC HEATING PADS FOR GENERAL USE, ELECTRON TUBES, INCANDESCENT LAMPS, TABLE LAMPS, ELECTRIC PERCOLATORS, ELECTRIC COOKERS, ELECTRIC TOASTERS, ELECTRIC WAFFLE IRONS, ELECTRIC FANS, ELECTRIC FUSES, ELECTRIC SWITCHES, ELECTRIC FLASHLIGHTS, ELECTRIC MOTORS, RADIO RECEIVING SETS, ELECTRIC CIGAR LIGHTERS, RADIO VOLTAGE REGULATORS AND ELECTRIC SOCKETS, GARAGE TROUBLE LAMPS, PUSH BUTTONS, RECEPTACLES, BED LAMPS, DESK LAMPS.
Claims use since June 1, 1930.

385,707. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed Apr. 28, 1939. Serial No. 418,860.

SAMOAN CREPE

FOR NECKTIES.
Claims use since Feb. 8, 1939.

385,708. (CLASS 12. CONSTRUCTION MATERIALS.) THE BOSTWICK STEEL LATH COMPANY, Niles, Ohio. Filed June 1, 1939. Serial No. 420,044.

TWIST-IT

FOR STEEL STUDDING FOR BUILDINGS AND PARTS THEREOF.
Claims use since May 9, 1939.

385,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Aug. 1, 1939. Serial No. 422,174.

JELLS-ALL

FOR PREPARATION FOR MAKING JELLY COMPOSED OF DEXTROSE, CITRUS PECTIN, AND TARTARIC ACID.
Claims use since June 23, 1939.

385,710. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ATLANTIC ZINC WORKS, INC., Brooklyn, N. Y. Filed Aug. 30, 1939. Serial No. 423,120.

MALLOY-METAL

FOR BRASS, COPPER, BRONZE, GERMAN-SILVER AND ZINC BLANK PLATES AND COPPER AND ZINC BLANK ENGRAVING PLATES, AND PHOTOENGRAVER'S COPPER AND ZINC.
Claims use since July 24, 1939.

385,711. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WALTER H. SIMMONS, Detroit, Mich. Filed Oct. 23, 1939. Serial No. 424,827.

TUFFALOY

FOR METAL ALLOYS USED FOR WELDING PURPOSES.
Claims use since Sept. 22, 1939.

385,712. (CLASS 39. CLOTHING.) SAMUEL LISH, New York, N. Y. Filed Oct. 30, 1939. Serial No. 425,026.

"Snap-O-Tam"

FOR WOMEN'S AND CHILDREN'S HATS, BERETS, AND TAM-O-SHANTERS.
Claims use since Sept. 11, 1939.

385,713. (CLASS 39. CLOTHING.) RED STAR COMPANY, Bridgeport, Conn. Filed Nov. 15, 1939. Serial No. 425,859.

EAR HUGS

FOR EAR MUFFS.
Claims use since Oct. 12, 1939.

385,714. (CLASS 17. TOBACCO PRODUCTS.) RIGGIO TOBACCO CORPORATION, Brooklyn, N. Y. Filed Dec. 6, 1939. Serial No. 426,305.

Cort

FOR CIGARETTES.
Claims use since Nov. 28, 1939.

385,715. (CLASS 37. PAPER AND STATIONERY.) LINCOLN PAPER COMPANY, Chicago, Ill. Filed Dec. 11, 1939. Serial No. 426,436.

PATTEN SERVICE

FOR BOND PAPER.
Claims use since September, 1939.

385,716. (CLASS 39. CLOTHING.) GIMBEL BROTHERS, INC., New York, N. Y. Filed Jan. 9, 1940. Serial No. 427,281.

CROFTON

FOR MEN'S SUITS AND OVERCOATS, TROUSERS, JACKETS, SWEATERS; DRESS, NEGLIGEE, AND WORK SHIRTS; SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF; HOSIERY, MUFFLERS; GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; UNDERSHIRTS AND SHORTS, AND UNION SUITS.
Claims use since Dec. 27, 1939.

385,717. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCIS LORENZO LUND, doing business as Lund's Formula 5 Co., Ogden, Utah. Filed Jan. 15, 1940. Serial No. 427,471.

Lund's Formula 5

FOR PREPARATION USEFUL IN THE TREATMENT OF HAY FEVER AND SIMILAR AILMENTS.
Claims use since Nov. 23, 1939.

385,718. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEST BLADES, INC., Newark, N. J. Filed Jan. 20, 1940. Serial No. 427,655.

Goldtone

FOR RAZOR BLADES.
Claims use since Dec. 15, 1939.

385,719. (CLASS 31. FILTERS AND REFRIGERATORS.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Feb. 5, 1940. Serial No. 428,222.

FRIGID FLOW

FOR ELECTRICALLY REFRIGERATED BEVERAGE COOLERS.
Claims use since Jan. 18, 1940.

385,720. (CLASS 39. CLOTHING.) GRACE HANLEY, INC., Jersey City, N. J. Filed Feb. 7, 1940. Serial No. 428,313.

Grace Hanley ORIGINAL DESIGN

FOR WOMEN'S WEARING APPAREL—NAMELY, STREET DRESSES, COATS, SUITS, HATS, BLOUSES, AND UNDERWEAR.
Claims use since Dec. 15, 1939.

385,721. (CLASS 37. PAPER AND STATIONERY.) EDWARD HAMBURGER, doing business as Perfectint Products Co., New York, N. Y. Filed Feb. 21, 1940. Serial No. 428,752.

PERFECTINT TYPROOF

FOR PROVING PAPER.
Claims use since Nov. 27, 1939.

385,722. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) OAKCHAR PRODUCTS CORPORATION, Oakland, Calif. Filed Feb. 26, 1940. Serial No. 428,926.

OAKCHAR

FOR CHARCOAL BRIQUETTES AND CHARCOAL.
Claims use since Sept. 15, 1939.

385,723. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BASIC INDUSTRIES, INCORPORATED, Chicago, Ill. Filed Apr. 13, 1940. Serial No. 430,717.

"HYFAT"

FOR FOOD COMPOUND FOR USE ESPECIALLY IN CANDY MAKING AND CONSISTING OF CREAM, SUGAR, LECITHIN AND SYRUP.
Claims use since Dec. 10, 1939.

385,724. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOHN R. HUGHES, Wilkes-Barre, Pa. Filed Apr. 29, 1940. Serial No. 431,358.

PERFECTION HUGHES Lasting as the Pyramids MEMORIALS

FOR MEMORIALS, MONUMENTS, AND MARKERS.
Claims use since Sept. 5, 1935.

385,725. (CLASS 40. FANCY FOODS, FURNISHINGS, AND NOTIONS.) THE HUMP HAIRPIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 5, 1940. Serial No. 433,714.

CHIC

FOR HAIRPINS (SAID HAIRPINS BEING MORE PARTICULARLY DESCRIBED AS COMPOSED AND MADE OF STEEL, ALUMINITE, AND VARIOUS OTHER METALS, ALLOYS, AND MATERIALS, BUT SAID HAIRPINS ARE NOT MADE OF, PLATED WITH, OR ORNAMENTED WITH PRECIOUS METALS).
Claims use since Mar. 24, 1936.

385,726. (CLASS 40. FANCY FOODS, FURNISHINGS, AND NOTIONS.) THE HUMP HAIRPIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 5, 1940. Serial No. 433,715.

HAF-ROUND

FOR HAIRPINS (SAID HAIRPINS BEING MORE PARTICULARLY DESCRIBED AS COMPOSED AND MADE OF STEEL, ALUMINITE, AND VARIOUS OTHER METALS, ALLOYS, AND MATERIALS, BUT SAID HAIRPINS ARE NOT MADE OF, PLATED WITH, OR ORNAMENTED WITH PRECIOUS METALS).
Claims use since Dec. 14, 1932.

385,727. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE HUMP HAIRPIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 5, 1940. Serial No. 433,716.

KURL-SET

FOR HAIR CURLING DEVICES.
Claims use since Sept. 20, 1933.

385,728. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SCREW CONVEYOR CORPORATION, Hammond, Ind. Filed Aug. 14, 1940. Serial No. 435,602.



FOR ELEVATING AND CONVEYING APPARATUS COMPRISING ENDLESS BELT AND CARRIER ELEVATING AND CONVEYING SYSTEMS AND PARTS THEREOF.
Claims use since June 17, 1933.

385,729. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SCREW CONVEYOR CORPORATION, Hammond, Ind. Filed Aug. 14, 1940. Serial No. 435,003.



FOR ELEVATING AND CONVEYING APPARATUS COMPRISING ENDLESS BELT AND CARRIER ELEVATING AND CONVEYING SYSTEMS AND PARTS THEREOF.
Claims use since July 1, 1937.

385,730. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ERWIN COTTON MILLS COMPANY, West Durham, N. C. Filed Aug. 23, 1940. Serial No. 435,285.

SPORTDENIM

FOR DENIM IN THE PIECE FOR USE PRINCIPALLY IN SLACKS, CULOTTES, DRESSES, SHORTS, TROUSERS, ROBES, HATS, HALTER-SUITS, ROMPERS, OVERALLS, UNIFORMS, APRONS, SUNSUITS, AND PLAYSUITS, FOR MEN, WOMEN, AND CHILDREN.
Claims use since Aug. 20, 1937.

385,731. (CLASS 39. CLOTHING.) THE STACKS SHOE COMPANY, Cincinnati, Ohio. Filed Sept. 19, 1940. Serial No. 436,144.



FOR SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Feb. 1, 1937.

385,732. (CLASS 39. CLOTHING.) THE STACKS SHOE COMPANY, Cincinnati, Ohio. Filed Sept. 19, 1940. Serial No. 436,145.



FOR SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Jan. 1, 1937.

385,733. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR SERRA AND CO., Chicago, Ill. Filed Sept. 21, 1940. Serial No. 436,228.

CUBA'S BEST

FOR FRESH PINEAPPLE.
Claims use since Jan. 18, 1940.

385,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. FABIEN & CO. INC., New York, N. Y. Filed Oct. 8, 1940. Serial No. 436,719.

LA ANDALUZA

FOR SALAD OIL, OLIVES, CAPERS, AND OLIVES AND CAPERS.
Claims use since September, 1934.

385,735. (CLASS 39. CLOTHING.) WOOLF BROTHERS, INC., Kansas City, Mo. Filed Oct. 28, 1940. Serial No. 437,358.

Bahama

FOR MEN'S AND BOYS' SUITS, NECKTIES, OUTER SHIRTS, AND PAJAMAS.
Claims use since May 26, 1937.

385,736. (CLASS 11. INKS AND INKING MATERIALS.) KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940. Serial No. 437,376.

Black Beauty

FOR CARBON PAPERS AND TYPEWRITER RIBBONS
Claims use since Nov. 3, 1932.

385,737. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ANDREW REEKERS, Portland, Oreg. Filed Nov. 4, 1940. Serial No. 437,578.

ANDY REEKERS

FOR FISHING LURES.
Claims use since Apr. 6, 1921.

385,738. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FORD MOTOR COMPANY, Dearborn, Mich. Filed Nov. 13, 1940. Serial No. 437,814.

Johansson

FOR INSTRUMENTS FOR PRECISION MEASUREMENTS—NAMELY, GAGE BLOCKS.
Claims use since July 1, 1923.

385,739. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FORD MOTOR COMPANY, Dearborn, Mich. Filed Nov. 13, 1940. Serial No. 437,815.

C.E.Johansson

FOR INSTRUMENTS FOR PRECISION MEASUREMENTS—NAMELY, GAGE BLOCKS.
Claims use since 1908.

385,740. (CLASS 39. CLOTHING.) ROBERTS-HART, INCORPORATED, Keene, N. H. Filed Nov. 22, 1940. Serial No. 438,155.

Sturdiline

FOR MEN'S AND BOYS' LEATHER WORK SHOES.
Claims use since Mar. 1, 1939.

385,741. (CLASS 39. CLOTHING.) BECKER CLOAK CO., INC., New York, N. Y. Filed Nov. 23, 1940. Serial No. 438,169.

WINTER WARMTH

FOR WOMEN'S AND MISSES' COATS OF PILE FABRIC.
Claims use since June 27, 1938.

385,742. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) PAUL E. FLATO, New York, N. Y. Filed Nov. 28, 1940. Serial No. 438,302.

Paul Flato

FOR NOVELTIES, FLATWARE, HOLLOWWARE AND JEWELRY FOR PERSONAL USE, NOT INCLUDING WATCHES, COMPOSED WHOLLY OR IN PART OF SILVER, GOLD, OR PLATINUM.
Claims use since October, 1924.

385,743. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) PAUL E. FLATO, New York, N. Y. Filed Nov. 28, 1940. Serial No. 438,303.

FLATO

FOR NOVELTIES, FLATWARE, HOLLOWWARE AND JEWELRY FOR PERSONAL USE, NOT INCLUDING WATCHES, COMPOSED WHOLLY OR IN PART OF SILVER, GOLD, OR PLATINUM.
Claims use since October, 1924.

385,744. (CLASS 39. CLOTHING.) SPITZER GARMENT CO., Chicago, Ill. Filed Nov. 29, 1940. Serial No. 438,361.

Marcia Gray

FOR WOMEN'S AND MISSES' DRESSES AND HOUSECOATS.
Claims use since Mar. 15, 1939.

385,745. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MILLER TABLE PAD & VENETIAN BLIND MANUFACTURING CO. INC., Brooklyn, N. Y. Filed Dec. 27, 1940. Serial No. 439,235.



FOR TABLE PADS OF COMPOSITE CONSTRUCTION INCLUDING ASBESTOS AND CORK SHAPED IN CONFORMITY WITH THE TABLE TOP ON WHICH THEY ARE DISPOSED, TO BE OVERLAID BY THE TABLE CLOTH.
Claims use since June, 1924.

385,746. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANACONDA WIRE AND CABLE COMPANY, New York, N. Y. Filed Jan. 4, 1941. Serial No. 439,401.

CARBON BLACK

FOR INSULATED ELECTRICAL WIRE AND CABLE.
Claims use since Sept. 20, 1939.

TRADE-MARK REGISTRATIONS RENEWED

139,165. **NUMOQUIN.** ETHYLHYDROCUPREIN AND ITS SALTS. Registered January 25, 1921. MERCK & Co., New York, N. Y. Renewed January 25, 1941, to Rare Chemicals, Inc., Flemington, N. J., a corporation of New York, assignee by mesne assignments.

139,170. **REPRESENTATION OF A HAND AND TIRE.** CERTAIN NAMED SURGICAL, DENTAL, AND MEDICAL SUPPLIES. Registered January 25, 1921. THE MILLER RUBBER COMPANY, Akron, Ohio. Renewed January 25, 1941, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

139,227. **WAYNE.** TANKS. Registered January 25, 1921. WAYNE OIL TANK & PUMP COMPANY. Renewed January 25, 1941, to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland, assignee.

139,409. **CLEO.** WOMEN'S KNITTED UNDERWEAR OF ONE, TWO, OR THREE PIECE GARMENTS AND UNION-SUITS. Registered February 1, 1921. TAMAQUA UNDERWEAR COMPANY, INCORPORATED, Tamaqua, Pa., a corporation of Pennsylvania. Renewed February 1, 1941.

139,425. **WAYNE.** PIPE-LINE OR FLOW METERS. Registered February 1, 1921. WAYNE OIL TANK & PUMP COMPANY. Renewed February 1, 1941, to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland, assignee.

139,501. **A. B. CHASE.** PIANOS AND PLAYER PIANOS. Registered February 8, 1921. A. B. CHASE PIANO CO., INC. Renewed February 8, 1941, to A. B. Chase-Emerson Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

139,502. **ABC.** PIANOS AND PLAYER PIANOS. Registered February 8, 1921. A. B. CHASE PIANO CO., INC. Renewed February 8, 1941, to A. B. Chase-Emerson Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

139,980. **EVERLASTIK.** ELASTIC AND NON-ELASTIC WEBS. Registered March 1, 1921. EVERLASTIK INCORPORATED, Boston, Mass. Renewed March 1, 1941, to Everlastik, Incorporated, Chelsea, Mass., a corporation of Massachusetts.

140,313. **FIBREEN.** REENFORCED PAPER FOR WRAPPING AND PACKAGING. Registered March 15, 1921. AMERICAN REENFORCED PAPER COMPANY, Attleboro, Mass., a corporation of Massachusetts. Renewed March 15, 1941.

140,740. **GIANT.** CAUSTIC SODA. Registered March 29, 1921. B. T. BABBITT, INC., New York, N. Y. Renewed March 29, 1941, to B. T. Babbitt, Inc., Albany, N. Y., a corporation of New York, assignee.

140,954. **AVRO.** CERTAIN TOOLS. Registered March 29, 1921. A. V. ROE & CO. LIMITED, London, England. Renewed March 29, 1941, to A. V. Roe & Co. Limited, Manchester, England, a corporation of Great Britain.

140,955. **AVRO.** CERTAIN TOOLS. Registered March 29, 1921. A. V. ROE & CO. LIMITED, London, England. Renewed March 29, 1941, to A. V. Roe & Co. Limited, Manchester, England, a corporation of Great Britain.

141,226. **WHITE CROSS.** BUTTER, EGGS, CHEESE, POULTRY, AND FROZEN EGGS. Registered April 12, 1921. SHERMAN WHITE & COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed April 12, 1941.

141,343. **SINBAD.** LADIES', MISSES', AND CHILDREN'S MIDDIES, DRESSES, AND SUITS AND GIRLS' AND BOYS' OUTERWEAR GARMENTS. Registered April 19, 1921. CARAFIOL-SILVERMAN GARMENT Co. Renewed April 19, 1941, to Carafiol Silverman Company, St. Louis, Mo., a corporation of Missouri, assignee.

141,974. **WONDER WATER.** HAIR-DYE. Registered May 3, 1921. NATHAN HURWITZ, New York, N. Y. Renewed May 3, 1941, to The Canute Co., Milwaukee, Wis., a corporation of Wisconsin, assignee.

142,471. **MAN OF WAR.** CANNED FISH. Registered May 17, 1921. CHINOOK PACKING COMPANY, Chinook, Wash., a corporation of Washington. Renewed May 17, 1941.

142,663. **ARCH-TONE.** SHOES MADE OF LEATHER AND CANVAS OR COMBINATION OF LEATHER AND CANVAS. Registered May 17, 1921. THE KROHN-FECHHEIMER COMPANY. Renewed May 17, 1941, to The United States Shoe Corporation, Cincinnati, Ohio, a corporation of Ohio, assignee.

142,722. **CREST.** CALCIMINE. Registered May 17, 1921. THE REARDON COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed May 17, 1941.

142,767. **HI-GLO.** STOVE-POLISH. Registered May 17, 1921. HYMAN SLATKIN, Baltimore, Md. Renewed May 17, 1941.

143,162. **SANI-CAN.** METAL CANS OR RECEPTACLES FOR WASTE MATERIAL. Registered May 24, 1921. SANITARY RECEIVER COMPANY, INC., Dunkirk, N. Y., a corporation of New York. Renewed May 24, 1941.

143,407. **MU-COL.** SOAP. Registered May 31, 1921. THE MU-COL COMPANY, Buffalo, N. Y., a corporation of Rhode Island. Renewed May 31, 1941.

143,443. **GOLDEN SHRED.** MARMALADE. Registered May 31, 1921. JAMES ROBERTSON & SONS, PRESERVE MANUFACTURERS LTD., Paisley, Scotland, a corporation of Great Britain. Renewed May 31, 1941.

143,687. **PRESTIGE.** WHEAT-FLOUR. Registered June 7, 1921. EL RENO MILL & ELEVATOR CO., El Reno, Okla. Renewed June 7, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

143,952. **FRICK.** THRESHING MACHINERY, SAW-MILLS, PORTABLE AND STATIONARY STEAM-ENGINES, TRACTION-ENGINES, AND TRACTORS. Registered June 21, 1921. FRICK COMPANY, Waynesboro, Pa., a corporation of Pennsylvania. Renewed June 21, 1941.

144,024. **J. C. PENNEY CO.** CERTAIN ARTICLES OF CLOTHING. Registered June 21, 1921. J. C. PENNEY COMPANY, Salt Lake City, Utah. Renewed June 21, 1941, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

144,034. **M.A.C.** VETERINARY MEDICINES FOR LAMENESS, TUMEFACTIONS, EXOSTOSIS, AND SIMILAR DISEASES. Registered June 21, 1921. JAY HOMER LUFF, doing business as Carter-Luff Chemical Company, Hudson, N. Y. Renewed June 21, 1941.

144,063. **STEARNS' ELECTRIC.** RAT AND ROACH PASTE. Registered June 21, 1921. STEARNS' ELECTRIC PASTE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 21, 1941.

144,215. **REPRESENTATION OF A KITCHEN.** PREPARATION IN FINELY-DIVIDED FORM FOR CLEANING, SCOURING, AND POLISHING METAL, GLASS, WOODWORK, ETC. Registered June 28, 1921. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed June 28, 1941.

144,216. **FULLER.** CRUMB-TRAYS, CRUMB-SCRAPERS, AND SINK-SCRAPERS. Registered June 28, 1921. THE FULLER BRUSH COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed June 28, 1941.

144,236. **FRICK.** MACHINERY—NAMELY, ICE-MAKING AND REFRIGERATING MACHINERY. Registered June 28, 1921. FRICK COMPANY, Waynesboro, Pa., a corporation of Pennsylvania. Renewed June 28, 1941.

144,357. **B–1850.** WRITING-PAPER. Registered July 5, 1921. L. L. BROWN PAPER COMPANY, Adams, Mass., a corporation of Massachusetts. Renewed July 5, 1941.

144,571. **AUTOMATIC.** SOAP AND SOAP FLAKES. Registered July 12, 1921. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed July 12, 1941.

144,610. **SMACK.** SUGAR CAKES. Registered July 12, 1921. GROVER N. MINDLING, doing business as The Smack Company, Pittsburgh, Pa. Renewed July 12, 1941.

144,632. **KILTIK.** INSECTICIDES, INCLUDING ANIMAL-DIPS, FOR ELIMINATING TICKS AND THE LIKE. Registered July 12, 1921. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio, a corporation of Ohio. Renewed July 12, 1941.

144,633. **SPRA-MULSION.** INSECTICIDES, FUNGICIDES, GERMICIDES, AND THE LIKE. Registered July 12, 1921. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio, a corporation of Ohio. Renewed July 12, 1941.

144,724. **DAWN.** LIQUID AND POWDERED PERFUMES. Registered July 19, 1921. COLGATE & COMPANY. Renewed July 19, 1941, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

144,744. **CANNON BALLS.** CANDY. Registered July 19, 1921. DILLING & COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed July 19, 1941.

144,762. **TIP-TOP.** SOAP FLAKES, SOAP CHIPS, AND SOAP. Registered July 19, 1921. FLTZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed July 19, 1941.

144,796. **REM.** MEDICINE FOR THE TREATMENT OF COUGHS AND COLDS. Registered July 19, 1921. THE HOLLANDER-KOSHLAND CO. Renewed July 19, 1941, to The Maryland Pharmaceutical Company, Baltimore, Md., a corporation of Maryland, by change of name.

144,797. **"ORDER FROM HORDER".** RUBBER STAMPS. Registered July 19, 1921. HORDER'S, INCORPORATED, Chicago, Ill., a corporation of Illinois. Renewed July 19, 1941.

144,878. **FLEXIBLE.** LICORICE-CANDY. Registered July 19, 1921. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed July 19, 1941.

144,898. **ALFRESCO.** COLD-WATER PAINT. Registered July 19, 1921. THE REARDON COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 19, 1941.

144,955. **VICTORY.** ROPE MADE FROM FIBER. Registered July 19, 1921. TUBBS CORDAGE COMPANY, San Francisco, Calif., a corporation of California. Renewed July 19, 1941.

144,956. **GLOSSILLA.** RIBBON AND TEXTILE FABRICS IN THE PIECE, TOWELS, TOWELING, AND TAPESTRY. Registered July 19, 1921. BERNHARD ULMANN CO. INC., New York, N. Y., a corporation of New York. Renewed July 19, 1941.

144,972. **ORO.** COFFEE. Registered July 19, 1921. WESTFELDT BROTHERS, New Orleans, La., a partnership. Renewed July 19, 1941.

144,974. **LIBRARY.** BRISTOL-BOARDS. Registered July 19, 1921. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed July 19, 1941.

144,975. **WHEAT HEART.** WHEAT-FLOUR. Registered July 19, 1921. WICHITA MILL AND ELEVATOR COMPANY, Wichita Falls, Tex. Renewed July 19, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

145,058. **VULCAN.** PAPER FOR GENERAL PRINTING AND WRITING PURPOSES AND MAILING-ENVELOPS. Registered July 26, 1921. CAREW MANUFACTURING Co., South Hadley Falls, Mass., a corporation of Massachusetts. Renewed July 26, 1941.

145,059. **ROYAL SEAL.** PAPER FOR GENERAL PRINTING AND WRITING PURPOSES AND MAILING-ENVELOPS. Registered July 26, 1921. CAREW MANUFACTURING Co., South Hadley Falls, Mass., a corporation of Massachusetts. Renewed July 26, 1941.

145,060. **MICABOND.** CERTAIN NAMED ELECTRICAL APPLIANCES. Registered July 26, 1921. CHICAGO MICA Co., Valparaiso, Ind. Renewed July 26, 1941, to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware, assignee.

145,062. **R. KING.** CERTAIN HAND-TOOLS. Registered July 26, 1921. THE COLLINS COMPANY, Collinsville, Conn., a corporation of Connecticut. Renewed July 26, 1941.

145,063. **COMPANION.** SELF-RISING WHEAT-FLOUR. Registered July 26, 1921. THE COLORADO MILLING & ELEVATOR Co., Denver, Colo., and Burley, Idaho, a corporation of Colorado. Renewed July 26, 1941.

145,068. **DART.** METAL PIPE-FITTINGS. Registered July 26, 1921. E. M. DART MFG. CO., Providence, R. I., a corporation of Rhode Island. Renewed July 26, 1941.

145,107. **OVERSEAS.** PAPER FOR GENERAL PRINTING AND WRITING PURPOSES AND MAILING-ENVELOPS. Registered July 26, 1921. HAMPSHIRE PAPER COMPANY. Renewed July 26, 1941, to Carew Manufacturing Co., South Hadley Falls, Mass., a corportion of Massachusetts, assignee.

145,166. **NOXON.** METAL-POLISH. Registered July 26, 1921. NOXON CHEMICAL PRODUCTS Co. Renewed July 26, 1941, to Leopoldine Nottebaum, Newark, N. J., assignee.

145,208. **PRESTEEL.** HOT AND COLD ROLLED STRIP-STEEL. Registered July 26, 1921. WORCESTER PRESSED STEEL COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed July 26, 1941.

REISSUES

MARCH 11, 1941

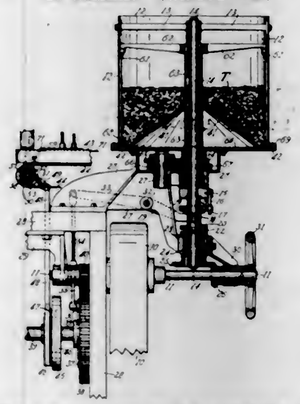
21,742

AUTOMATIC TOBACCO FEED FOR CIGAR MACHINES

Hjalmar Erik Carlson, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Original No. 2,016,167, dated October 1, 1935, Serial No. 746,888, October 4, 1934. Application for reissue July 28, 1937, Serial No. 156,240

17 Claims. (Cl. 131—42)



10. The combination with a plurality of traveling belts arranged to form a filler feeding channel, of a tobacco hopper for scrap cigar filler tobacco, rotating about a vertical axis and having a stationary bottom provided with portions spaced from each other to provide a narrow slot overlying and extending lengthwise of said channel, said hopper being arranged to operate on scrap cigar filler tobacco, a substantial portion of the pieces of which are of such size that the slot will tend to arrange any pieces passing through said slot so that the long axis of the pieces passed will extend lengthwise of said slot and channel, whereby a continuous stream of tobacco is placed in said channel.

21,743

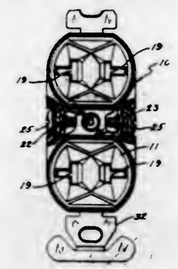
WIRING TERMINAL FOR ELECTRICAL FITTINGS

Harvey Hubbell, Long Hill, Conn.

Original No. 2,216,740, dated October 8, 1940, Serial No. 164,632, September 20, 1937. Application for reissue November 16, 1940, Serial No. 365,993

16 Claims. (Cl. 173—330)

2. In an electrical fitting, a body of insulating material having a recess therein opening through a side thereof, a contact bar including a portion spanning the open side of said recess, a screw passing through said spanning portion of the bar and having its shank in said recess, a floating member on the screw within the recess and shiftable by the screw to clamp a wire against said bar portion, said body having an opening positioned for the insertion of a wire therethrough into a position between said member and said bar portion, and said bar portion being offset outwardly with respect to the recess and having its sides inclined to direct inwardly toward the



shank of said screw any wire inserted through said opening.

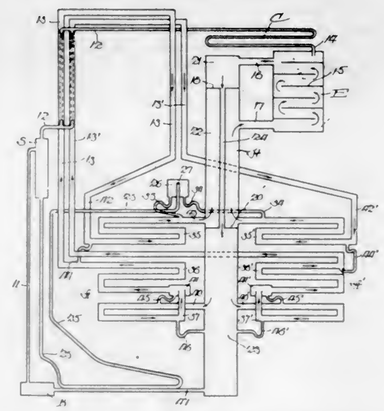
21,744

ABSORPTION REFRIGERATING APPARATUS

Rudolph S. Nelson, Larchmont, N. Y., and Earl Babcock, Duncan, Okla., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Original No. 1,993,380, dated March 5, 1935, Serial No. 685,038, August 14, 1933. Application for reissue March 3, 1937, Serial No. 128,812

9 Claims. (Cl. 62—119.5)



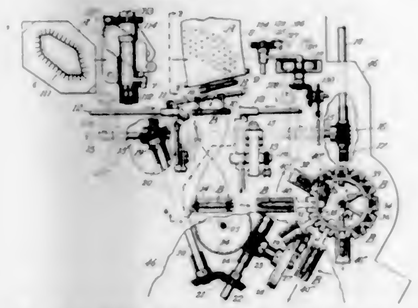
1. A continuous absorption refrigerating system including an evaporator, an absorber constructed in two sections, means for circulating an inert gas between and through the evaporator and the absorber, the flow being in parallel paths through the two sections, a boiler and an arrangement for circulating an absorption liquid between the boiler and the absorber, said arrangement including a device for separating a stream of liquid into two streams and conduct means for conveying the two streams horizontally in close proximity above said separating device whereby the liquid may flow to said absorbed sections in parallel paths.

21,745
BOILER
Thomas E. Murray, deceased, late of Brooklyn, N. Y., by Joseph B. Murray and Thomas E. Murray, Jr., executors, Brooklyn, N. Y., assignors to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Original No. 2,042,618, dated June 2, 1936, Serial No. 642,427, May 31, 1923. Application for reissue August 5, 1936, Serial No. 94,490
8 Claims. (Cl. 122—235)



8. A water wall for a combustion chamber of a boiler which comprises an upper and a lower header connected in the water circulation of said boiler and vertical tubes extending between said upper and said lower header to form a substantially continuous wall having an inner surface exposed to the heat of said combustion chamber and a continuous insulating covering for the outer surface of said wall and attaching means extending continuously in said covering and secured at frequent intervals to the outer surface of said water wall where the wall encloses said combustion chamber.

21,746
CIGAR BUNCH MACHINE
Rupert E. Rundell, Rockville Centre, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original No. 1,948,598, dated February 27, 1934, Serial No. 647,665, December 16, 1932. Application for reissue January 16, 1936, Serial No. 59,430
20 Claims. (Cl. 131—32)



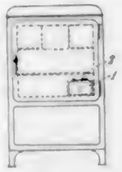
16. In a cigar machine, the combination with a bulk source of supply of scrap tobacco, of a bunch shaping device, a bunch roller operating to roll filler tobacco in a binder, means for separating bunch charges from said source of supply and delivering them to said roller, mechanism for transferring bunches from said roller to said device, a binder cutting die, a transfer for transferring a binder from said die to said bunch roller in timed relation to the operation of said means, and a paster operating to apply paste to the binder which has been deposited upon said bunch roller preparatory to the rolling operation, said paster being adapted to apply paste to that end of the binder which will be the trailing end when the binder is rolled upon the charge, said binder when so rolled and adhered at said pasted end acting to confine and hold said charge in place, and thus to prevent loss of scrap during transfer to said bunch shaping device.

21,747
HAIR-DRESSING TOOL
Herman C. Schlicker, Brooklyn, N. Y., assignor to Rollocurl Corporation, New York, N. Y., a corporation of New York
Original No. 2,148,393, dated February 21, 1939, Serial No. 204,557, April 27, 1938. Application for reissue February 10, 1940, Serial No. 318,376
21 Claims. (Cl. 132—35)



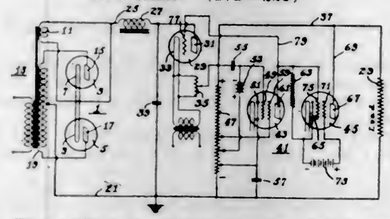
15. A hair-dressing tool comprising a body member having a longitudinal slot spaced from one end thereof to receive a retractable comb and having an opening extending longitudinally from the said end of the body member and adapted to receive one shank of a hair pin, the end of the body member incorporating the opening being of such thickness to spread the hair pin.

21,748
TEMPERATURE CONTROLLED CONTAINER
Charles A. Stemme, Large, Pa.
Original No. 2,223,234, dated November 26, 1940, Serial No. 276,135, May 27, 1939. Application for reissue January 4, 1941, Serial No. 373,184
3 Claims. (Cl. 62—89)



1. In a domestic refrigerator, the combination of a main food storage chamber and a relatively small auxiliary food storage compartment disposed within said main food storage chamber, said compartment having an extensible and contractible temperature responsive device therein, and having a valved passage communicating with the main food storage compartment of the refrigerator, and being further provided with a heating element, means connected to be operative by the temperature responsive device for opening and closing the valve controlling the passage between the main refrigerator chamber and the auxiliary chamber, and means actuated by said temperature responsive device for energizing and deenergizing said heating element, said valve and temperature controlling means being arranged to be alternately operative by the temperature responsive device so as to establish communication between said main and auxiliary chambers in the extended position of said temperature responsive device and for heating said auxiliary chamber in the contracted position thereof, and said auxiliary chamber being of small volume relative to the said main refrigerator compartment so as not to materially affect the temperature of the main compartment when the communicating passage is opened.

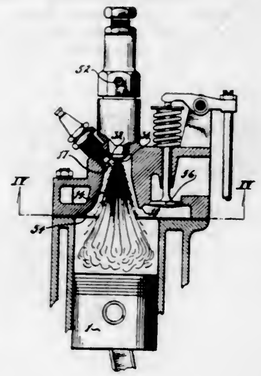
21,749
REGULATING DEVICE
Arthur W. Vance, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original No. 2,075,966, dated April 6, 1937, Serial No. 696,001, October 31, 1933. Application for reissue December 22, 1938, Serial No. 247,305
24 Claims. (Cl. 171—229)



1. In a voltage regulating system for a source of variable voltage, a load, a voltage divider resistor shunted across said load, an electric discharge tube having a control electrode, said tube being connected in the circuit between said source and said voltage divider resistor, and means for controlling the impedance of said tube in accordance with changes in voltage drop across said voltage divider resistor, said means comprising a direct current amplifier having an input circuit connected to said voltage divider resistor and an output circuit connected to said control electrode.

21,750
INTERNAL COMBUSTION ENGINE
Allan M. Starr, Piedmont, Calif., assignor, by mesne assignments, to Starr & Sweetland, a copartnership composed of Ernest J. Sweetland and Allan M. Starr, copartners, Piedmont, Calif.
Original No. 2,025,362, dated December 24, 1935, Serial No. 638,866, October 21, 1932. Application for reissue December 17, 1937, Serial No. 180,472
12 Claims. (Cl. 123—32)

2. An internal combustion engine construction comprising a cylinder and a cylinder head, an elongated combustion chamber in said cylinder head, a quiescent zone formed in the portion of said combustion chamber most remote from said cylinder, a fuel injection nozzle in said chamber located to direct a spray of fuel through said quiescent zone and chamber and substantially toward said cylinder, a spark mechanism

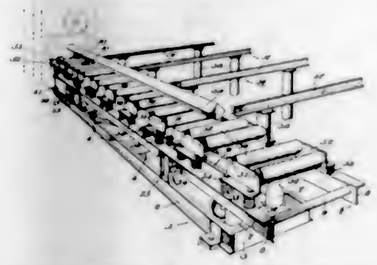


in said chamber having a spark gap adjacent the opening in said nozzle, a downwardly-leading air intake passage formed in said cylinder head adjacent said combustion chamber, a partition member in said cylinder head between said combustion chamber and said air intake passage having a portion which serves to deflect the incoming air away from said combustion chamber and toward said cylinder.

PATENTS

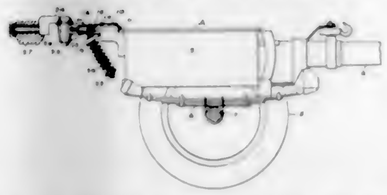
GRANTED MARCH 4, 1941

2,234,162
FEED TABLE
Martin J. Anderson, Ellwood City, Pa., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania
Application February 5, 1940, Serial No. 317,438
7 Claims. (Cl. 198—127)



1. A feed table of the character described comprising a main frame and a sub frame, a plurality of roller units carried by said sub frame, resilient means interposed between said roller units and said sub frame to permit relative movement therebetween and thereby absorb the impact of articles dropped onto said rollers, means for raising and lowering said sub frame with respect to said main frame to align the article on said rollers with the device to receive said article, power operated driving means adapted to engage the article to feed the same along said rollers, and manually operable means for controlling the operation of said driving means.

2,234,163
DRAFT COUPLING
Dayton A. Gurney, Landover, and Thomas A. Conlon, Silver Spring, Md.
Application September 12, 1939, Serial No. 294,460
4 Claims. (Cl. 280—33.9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

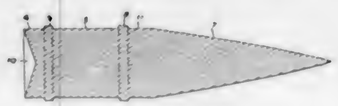


4. In a coupling for connecting a lead and a trail vehicle, a draw bar adapted to be carried by the lead vehicle and including a yoke, a bolt extending horizontally across the yoke and rotatably mounted therein, a coupling member mounted on the bolt for movement in a vertical plane and including a socket, a pintle adapted to be carried by the trail vehicle and rotatable in the socket of the coupling member, said pintle having an annular groove engageable by the bolt.

2,234,164
PRODUCTION OF METALLIC PIGMENT PASTE
Clarence P. Harris, New York, N. Y., assignor, by mesne assignments, to United States Metal Powders, Inc., Baltimore, Md., a corporation of Maryland
No Drawing. Application December 1, 1934, Serial No. 755,635. Renewed January 10, 1940
8 Claims. (Cl. 134—76)

8. A stabilized metal pigment paste having improved persistence of leafing power, comprising metal flakes, a higher fatty acid, a hydrocarbon thinner and an alkaline organic compound having the property of stabilizing and prolonging the leafing power of the paste, such agent being chosen from the group consisting of an alkaline organic amino compound and an anhydrous alkali salt of a fatty acid of low molecular weight.

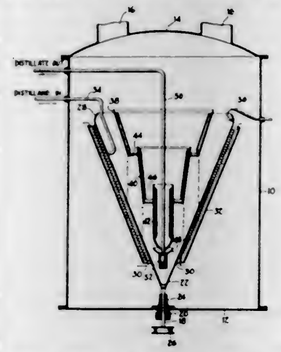
2,234,165
PROJECTILE
Julian S. Hatcher, Annapolis, Md., and John C. Gray, Washington, D. C.
Application October 31, 1939, Serial No. 302,130
7 Claims. (Cl. 102—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A projectile including a body portion substantially one caliber in length and having a diameter less than one caliber, band portions at the front and rear of the body portion and having a diameter greater than one caliber, an ogival head portion forwardly of the front band portion, said head portion having a length of two and one-half to three calibers and an ogive of from seven to nine calibers radius the projection of which is tangent to the periphery of the front band portion.

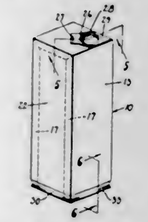
2,234,166
VACUUM DISTILLATION
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application November 3, 1939, Serial No. 302,747
6 Claims. (Cl. 202—205)

1. High vacuum, unobstructed path fractional distillation apparatus which comprises in combination a rotatable cone shaped vaporizing surface, a plurality of condensing zones arranged within the cone and separated therefrom by substantially unobstructed space, a conduit for introducing liquid to be distilled onto the inside of the vaporizing cone so that during operation it is caused to flow thereover by centrifugal force toward the mouth thereof, means for removing undistilled residue from the mouth of the vaporizing surface, means for separately removing condensate from each of the condensing zones and



means for evacuating the space between the condensing zones and the vaporizing surface.

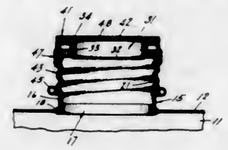
2,234,167
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 12, 1939, Serial No. 250,621
5 Claims. (Cl. 229—23)



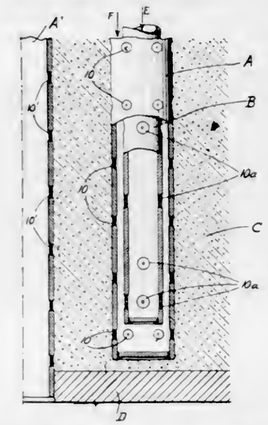
1. A non-circular liquid tight fiber container comprising two folded and telescoped U-shaped body members each consisting of opposite side wall portions and an intermediate integral end wall portion, one of said telescoped members having integral flange portions engaging and secured to adjacent side wall surfaces of the other of said members to provide a reenforced tubular container body closed at one end, said end wall portions being substantially in flush engagement with one another to provide a reenforced end of double thickness, the opposite end of said tubular body having a separate wall member secured thereto and interlocked with folded side wall flanges provided on adjacent parts of said telescoped body blank members.

2,234,168
NOZZLE AND CLOSURE THEREFOR
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 11, 1939, Serial No. 267,311
3 Claims. (Cl. 221—11)

1. A sheet metal nozzle for containers, comprising a body wall having screw threads formed therein, said body wall above its screw threads being formed with an inwardly bent shoulder merging into a straight cylindrical upright wall section of reduced diameter which at its upper edge defines a mouth for said nozzle and merges into a sharply curved outwardly bent annular curved wall section terminating in a sharp edged substantially flat pouring lip disposed at right angles to said nozzle, said sharp curved wall section and said sharp edged pouring lip being adapted to quickly cut off the flow of a liquid stream from said nozzle when the latter is righted from a tilted pouring position into an upright position so that dripping of the liquid from the lip will be prevented.



2,234,169
CONVERTER AND FLUID MANIFOLDING DEVICE THEREFOR
Eugene J. Houdry, Philadelphia, Pa., and Raymond C. Lassiat, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application August 15, 1934, Serial No. 740,024
7 Claims. (Cl. 23—288)



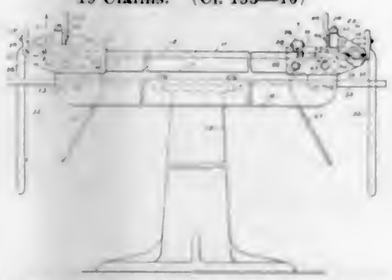
1. In combination, a converter providing a reaction chamber for effecting a contact or catalytic treatment of fluids, a plurality of conduits comprising induction and eduction conduits for fluid reactants and fluid products of reaction extending within said reaction chamber in substantial parallelism and adapted to be embedded in a bed of contact material, said conduits having perforations or openings in spaced relation throughout the length thereof for the introduction and withdrawal of fluids, and corrosion and erosion resistant means lining the surfaces of said openings in both the said induction and eduction conduits, so as to restrict to predetermined extent the size of each of said openings thereby to provide for predetermined passage of fluid therethrough and to maintain substantially constant the predetermined size of said openings and the uniform movement of fluid through all portions of said contact material with extensive use of the apparatus.

2,234,170

MEANS FOR PREPARING PRINTING PLATES FOR APPLICATION TO PRINTING CYLINDERS

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application September 2, 1936, Serial No. 99,113
Renewed August 3, 1939
19 Claims. (Cl. 153—16)



1. In a bending fixture for a plate having an end clamping part thereon, a plate supporting table, a member disposed at one end of said table and having a recess to receive the plate end clamping part to locate the plate end relatively to the end of the table, a bending head adapted to engage the plate end and bend the plate about the end of the table, and means to substantially simultaneously actuate said head and said member to bend the plate and to release the plate end clamping part from the recess in said receiving member.

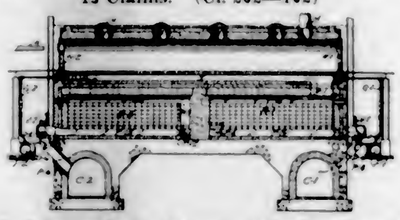
19. In a fixture for bending a plate, a plate support having an edge about which the plate is to be bent, a member having a flange extending substantially at right angles thereto from one edge thereof, said flange being in substantial alignment with said support, said member being pivotally mounted to swing its other edge toward said support edge while the flange is swung away therefrom, and a bending head mounted on said member and extending parallel to said flange to engage the plate and bend it about the support edge as the edge of the member upon which it is mounted is swung toward the support edge.

2,234,171

BROAD COKE OVEN

Charles H. Hughes, Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y., a corporation of New York

Application October 25, 1939, Serial No. 301,172
13 Claims. (Cl. 202—102)



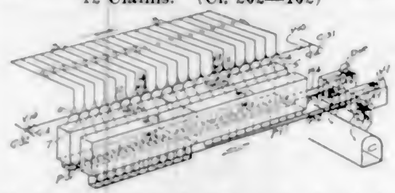
1. A by-product coke oven of the broad rectangular sole-fired type which comprises a broad horizontal coking member chamber having a sole thereunder and adapted to be sealed against the admission of air, a plurality of horizontal serially interconnected and interdependent heating flues arranged side by side underneath the sole of the chamber for heating it extending longitudinally substantially from end to end of the oven, longitudinal partition walls separating the flues from each other and alternately spaced from the ends of the oven to form a turn between any two adjacent flues thereby providing a single serpentine series-connected heating passage under substantially the entire sole area of said coking chamber, burning means located at the turns between adjacent heating flues and positioned in substantial alignment with the partition walls whereby flames issuing from said burning means can be deflected by a draft down either of said adjacent flues depending upon the direction of the draft therein, air inlets for supplying air to said burning means in said heating flues, a waste gas stack for removing products of combustion of said burning means from said heating flues, and regenerators located beneath the heating flues and communicably connected to said flues and to said air inlets and said waste gas stack, respectively, whereby a broad by-product coke oven is provided with substantially uniform heating conditions over the entire sole area of the coking chamber and whereby carbonaceous material in said chamber is coked substantially uniformly.

2,234,172

BROAD COKE OVEN

Charles H. Hughes, Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y., a corporation of New York

Application October 25, 1939, Serial No. 301,173
12 Claims. (Cl. 202—102)



12. In a by-product coke oven of the broad rectangular sole-fired type, the combination of a long horizontal coking chamber broader than its height, adapted to be sealed against the admission of air and having a solid sole thereunder; a plurality of horizontal parallel heating flues underneath the sole of the chamber for heating it, said flues being arranged side by side transversely of the chamber in two sets; a regenerative system communicably connected with the heating flues and being adapted in relation to each set of heating flues alternately to preheat air and to remove heat from hot combustion products; a longitudinal channel extending from each end of the oven underneath each set of transverse heating flues and communicably connected with every heating flue in said set to supply rich fuel gas thereto; a series of ducts communicably connecting each channel with every heating flue in the set; and nozzle means in each duct adapted to regulate the supply of rich fuel gas to the heating flue with which said duct is connected, whereby the supply of rich fuel gas to each heating flue can be independently regulated.

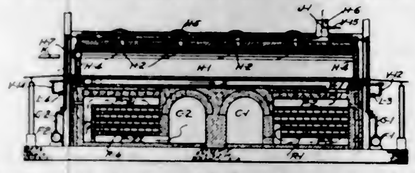
2,234,173

BROAD COKE OVEN

Charles H. Hughes, Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y., a corporation of New York

Application January 24, 1940, Serial No. 315,317
12 Claims. (Cl. 202—102)

1. A by-product coke oven of the broad rectangular sole-fired type which comprises a broad horizontal coking chamber having a sole thereunder and adapted to be sealed against the admission of air, a plurality of horizontal heating flues arranged in parallel-spaced position underneath the sole of the chamber and extending longitudinally substantially from end to end of the oven, longitudinal partition walls alternately spaced from the ends of the oven separating said flues from each other and connecting said flues in series to define a single serpentine heating passage under substantially the entire sole area of said coking chamber, burning means located at each turn between adjacent heating flues and positioned in substantial alignment with the partition walls whereby flames issuing from said burning means can be deflected by a draft along either of said adjacent heating flues depending upon the direction of the draft therein, means for supplying fluid fuel to said burning means, air inlet means for supplying air to said burning



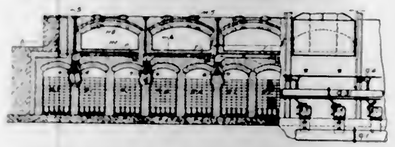
means, a waste gas stack for removing products of combustion of said burning means from said heating flues, a set of regenerators at each end of the oven respectively connected to the ends of said heating passage, a pair of chimney-air flues positioned transversely to the coking chamber and in communication with said sets of regenerators, single chimney valve means for connecting one of said chimney-air flues to the chimney while at the same time disconnecting the other chimney-air flue from the chimney, and single air valve means cooperating with said chimney valve means for connecting the chimney-air flue disconnected from the chimney to the air while at the same time disconnecting the other chimney-air flue from the air, whereby a flow of gases is effected through said regenerators and said heating passage in alternating directions and whereby substantially uniform heating conditions are provided over substantially the entire sole area of the coking chamber.

2,234,174

BROAD COKE OVEN

Charles H. Hughes, Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y., a corporation of New York

Application April 25, 1940, Serial No. 331,589
13 Claims. (Cl. 202—102)



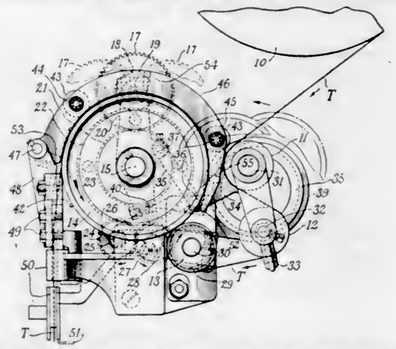
1. In a battery of by-product coke ovens of the broad rectangular sole-fired type, the combination in each oven of a long horizontal coking chamber broader than its height, adapted to be sealed against the admission of air and having a sole thereunder; a plurality of horizontal parallel heating flues underneath the sole of the chamber for heating it, said flues arranged side by side transversely of the chamber; two sets of parallel vertical regenerators lying below and transverse to the heating flues and communicably connected therewith, each set of regenerators being adapted alternately to preheat air and lean fuel gas and to remove heat from hot products of combustion, whereby a regenerative system is provided to supply preheated air and preheated lean fuel gas to the heating flues and to remove hot products of combustion therefrom wherein air and lean fuel gas which are being heated can ascend and combustion products which are being cooled can descend, and two chimney flues to a stack, each located below a set of regenerators and lying transversely with respect to the oven substantially for the length of the battery to serve all the ovens therein and each flue being communicably connected and adjacent to one set of regenerators and adapted for alternate operation in removing combustion products therefrom whereby lean fuel gas and air entering the oven make only a single transit of the length of the oven before their exit therefrom as waste gas.

2,234,175

PACKAGING MACHINE

John Jackson, Brooklyn, and August J. Schmidt, Glendale, N. Y., assignors to American Machine & Foundry Company, a corporation

Application March 25, 1937, Serial No. 133,021
10 Claims. (Cl. 93—7)



1. In a wrapping machine, the combination with means for wrapping a fusible wrapper about a group of cigarettes, and to form folds at the top end thereof, of mechanism for heat sealing the folds of the wrapper on the top end of the package, said mechanism including a movable heated plate arranged to engage and heat seal the folds of the wrapper at the top end of the package, and a movable member arranged to engage the bottom end of the package and thereby press its top end against the heated plate to heat seal the same, means to withdraw said enwrapped and partly heat-sealed package and to present it at a station for heat-sealing the bottom end, means to form said bottom folds, and means to heat-seal said bottom end folds.

2,234,176

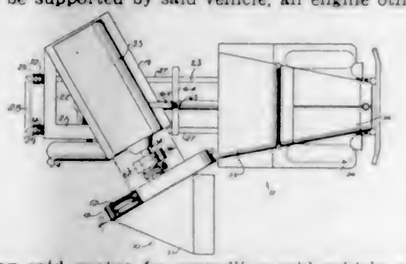
SNOWPLOW

Christian B. Jensen, St. Paul, Minn.

Application December 15, 1938, Serial No. 245,900
20 Claims. (Cl. 37—43)

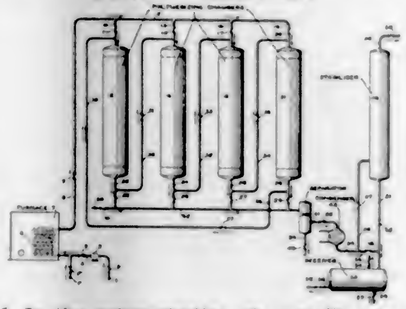
1. In combination, a vehicle, an engine for propelling said vehicle, and a snowplow adapted

to be transported by said vehicle, said snowplow comprising a snow removing entity adapted to be positioned at a side of said vehicle and including an element to be rotated, a carrier secured to said snow removing entity and adapted to be supported by said vehicle, an engine other



than said engine for propelling said vehicle assembled with said carrier, driving connections between said second mentioned engine and said element to be rotated, and means for hingedly securing said carrier upon said vehicle at spaced apart locations disposed transversely thereof.

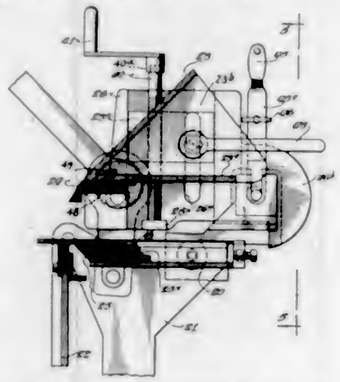
2,234,177
CONVERSION OF OLEFIN HYDROCARBONS
Elmer R. Kanhofer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 4, 1938, Serial No. 238,823
5 Claims. (Cl. 196—10)



1. In the polymerization of normally gaseous olefins in the presence of solid polymerizing catalyst to produce polymer gasoline therefrom, the method which comprises continuously passing the olefinic gas through a bed of the solid catalyst, maintaining the latter at optimum polymerizing temperature throughout the major portion of the time period during which the olefinic gas is passed therethrough, said optimum temperature being in excess of that at which there would be sufficient condensation of polymer gasoline to wash and clean the catalyst bed of heavier hydrocarbon material formed during the polymerization, and periodically during said time period lowering the temperature of the catalyst bed, for relatively short intervals, sufficiently to condense polymer gasoline on and wash heavier hydrocarbon material from the catalyst bed.

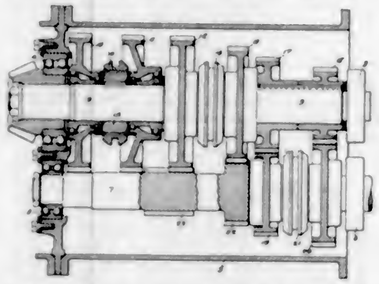
2,234,178
BENDING BRAKE
Thomas J. Kelleher, Chicago, Ill.
Application January 14, 1938, Serial No. 185,043
5 Claims. (Cl. 153—16)

1. In a bending brake having a bed and an upper leaf over the same, means to raise and lower the latter comprising walls alongside the leaf and formed with vertical recesses along their inner sides, blocks extended laterally from the leaf into the recesses and having tapped vertical bores, inward lugs from the walls below the blocks, and screws threaded downwardly through the bores in the blocks to meet the lugs as supports and induce the rise or fall of the leaf when the screws are turned accordingly.



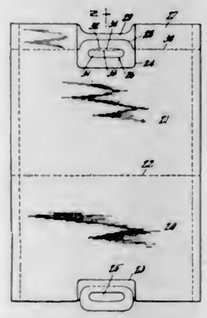
2. A bending brake having a bed, an upper leaf over the same, and means to adjust the leaf vertically comprising walls alongside the leaf and formed with vertical slots, bolts threaded through the sides of the leaf and passing freely through the slots, and stops on the protruding portions of the bolts and effective to clamp the walls to said sides on the rotation of the bolts in the corresponding directions and a wrench-engaging head formed on the inner end of said bolt.

2,234,179
TRANSMISSION
Harry A. Knox, Washington, D. C.
Application October 8, 1940, Serial No. 360,297
2 Claims. (Cl. 74—359)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A transmission embodying a drive shaft, a driven shaft, change-speed gearing connecting the shafts, a forward gear and a reverse gear rotatable on the driven shaft, a clutch for selectively engaging the forward and reverse gears, an idler shaft constantly driven by the drive shaft, a fixed gear on the idler shaft in constant mesh with the reverse gear, and an idler gear driven by the idler shaft and in constant mesh with the forward gear.

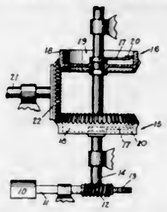
2,234,180
CARRYING DEVICE
Robert M. Lackey, Waterford, and Andrew Judson Walter, Jr., Cohoes, N. Y.; said Walter, Jr., assignor to said Lackey
Application February 2, 1937, Serial No. 123,608
15 Claims. (Cl. 229—54)



15. A carrying device comprising joined front and back body members with the front body member extending upwardly beyond the back body member and providing a cover flap to overlie the back body member when in closed position, said front body member providing an extension forming a front handle member at the mid-part of the cover flap, said front handle member remaining extended when the cover flap is folded, said back body member having a back handle member adapted to be folded upwardly in juxtaposition to the front handle member, both said front and back handle members having juxtaposed hand openings therein, and both said front and back handle members each having corresponding locking members of substantially the area of the hand openings and hinged at corresponding juxtaposed edges of said hand openings, each of said locking members having a plurality of arcuate crease lines for comprising the hinged connection thereof with their respective handle members, said arcuate crease lines extending in a crosswise direction of the carrying device partway across the said handle members with the arcuate crease lines of each handle member converging and meeting next their ends, whereby when the locking members are juxtaposed and simultaneously folded on said crease lines the same will interlock with each other and the handle members and will form an arch of the juxtaposed material of the hinge portion of the handle members, and said arch being substantially perpendicular to the carrying device and substantially the length of the openings.

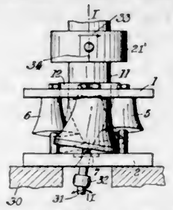
2,234,181
SPEED CONTROLLING DEVICE
Walter T. Lang, Metuchen, N. J.
Application June 19, 1940, Serial No. 341,303
3 Claims. (Cl. 188—180)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a speed limiting device in combination, a shaft, means for non-reversibly rotating the shaft at a constant speed, a pair of overriding clutches, means operably connecting corresponding elements of said clutches to the shaft for movement thereby, a second shaft and means connecting the second shaft to corresponding elements of said clutches cooperating with said first recited elements whereby rotation of said second shaft relative to rotation of said first



shaft will be limited to a predetermined speed proportional to the speed of said first shaft.

2,234,182
SLANT ROLLING
Ambrosius Lauer, Karlsruhe, Germany
Application January 9, 1939, Serial No. 249,988
In Germany January 5, 1938
7 Claims. (Cl. 80—12)



1. An apparatus of the kind specified, for rolling hollow metal articles in a slant rolling operation and without a mandrel, comprising at least two draw rollers which are inclined towards the same side with respect to the axis of the work piece and shaped in accordance with the desired final shape of the article to be produced, at least one roller inclined towards the opposite side and acting as a counterdraw roller, and a guide block forming a mould recessed in accordance with the final shape of the article to be produced, said rollers projecting into the mould in said block, through apertures thereof.

2,234,183
INK COMPOSITION OF MATTER
Frederick V. Lofgren, Valparaiso, Ind., assignor to Glenn Davidson, Aurora, Ill.
No Drawing. Application March 15, 1937, Serial No. 131,009
9 Claims. (Cl. 134—35)

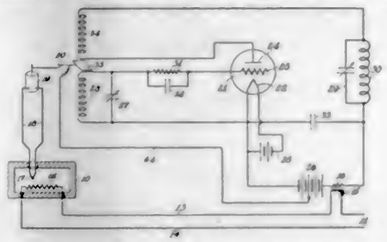
1. A liquid coating composition suitable for ink applicable by roller machinery, which comprises oil seed flour in water, soap five to twenty per cent based on the dry flour, pine oil five to twelve per cent, pigment, and water glass.

8. A process of making a non-jelling liquid coating material, which comprises mixing soya bean flour with five to about twenty per cent of soap based on the dry flour, then incorporating pigment, and water glass, in order, the whole being dispersed in water.

2,234,184
ELECTRONIC CONTROL SYSTEM
Fred B. MacLaren, Jr., Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application June 14, 1938, Serial No. 213,621
17 Claims. (Cl. 250—36)

14. In a system for control of a variable con-

dition: an oscillation circuit with thermionic tube, and input and output coils juxtaposed in a sense to degenerate oscillatory action in said



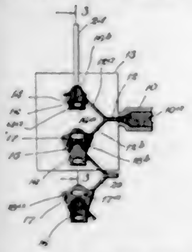
oscillation circuit, and a vane adapted for introduction, by the condition under control, between said juxtaposed coils.

2,234,185

TWO-TONE DIE CASTING AND METHOD OF FORMING THE SAME

Davis Marinsky and Louis H. Morin, Bronx, N. Y., assignors to Whitehall Patents Corporation, New York, N. Y., a corporation of New York

Application May 25, 1937, Serial No. 144,627
8 Claims. (Cl. 18—59)



1. The herein described method of forming two-tone die cast thermoplastic members of the class described, which consists in first forming one part of a unitary casting by pressure injecting thermoplastic material from one cylinder into one cavity of a die to form a cast part therein, then moving said part into another larger cavity in said die, then pressure injecting a contrasting thermoplastic material from another cylinder simultaneously into both of said cavities to form a resulting two-tone unitary casting in the larger cavity, and to form in the first cavity the first part of the next successive casting to be formed.

2,234,186

REVERSIBLE GEL COMPOSITION OF POLYVINYL ALCOHOL AND THE SALT OF O-HYDROXY BENZAL AROMATIC KETONE AND ITS PREPARATION

Wendell H. McDowell and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 12, 1940, Serial No. 318,550. In Great Britain February 14, 1939
8 Claims. (Cl. 252—316)

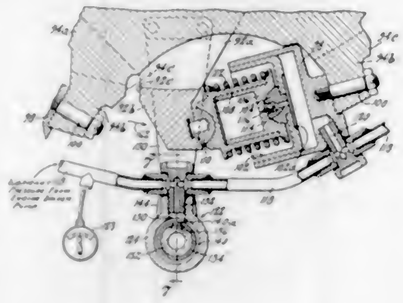
1. A firm, thermal-reversible gel composed of polyvinyl alcohol mixed with a gelling amount of an alkali-metal salt of an ortho-hydroxy benzal aromatic ketone.

2,234,187

ENGINE

André J. Meyer and John R. McVeigh, Lexington, Ky., assignors to Mawen Motor Corporation, New York, N. Y., a corporation of Delaware

Application December 29, 1938, Serial No. 248,202
31 Claims. (Cl. 123—44)



1. In a bi-rotary engine, a plurality of engine components mounted for relative rotation with respect to each other, said components including a crackshaft, a cylinder bank and casing structure and one of said components being stationary, gearing interconnecting the crankshaft, cylinder bank and casing structure for maintaining the relatively rotating components in desired phase relation with respect to each other, said gearing including a gear adjustably mounted with respect to the stationary component, and means for adjusting the position of said gear relative to the stationary component to alter the phase relation between certain of said relatively rotating components.

2,234,188

PROCESS OF MAKING LIGHT-COLORED LIGNO-CELLULOSE FIBER

Howard W. Morgan, Appleton, Wis., and Basil O. Stewart, Laurel, Miss., assignors to Masonite Corporation, Laurel, Miss., a corporation of Delaware

No Drawing. Application March 31, 1938, Serial No. 199,182
11 Claims. (Cl. 92—1)

1. Process of making steam-exploded fiber, which is light-colored and adapted for production of light-colored fiber boards, from wood or woody ligno-cellulose material, which consists in impregnating such material in small pieces, such as chips, with about 5–15% of alkaline sulfite of alkali metal, subjecting the impregnated ligno-cellulose material to the action of steam at a pressure of over 300 lbs. sq. in. for a time so related to the steam pressure used that upon explosive discharge as hereinafter set forth, it will be disintegrated to fiber adapted for manufacture of fiber boards, while utilizing the said sulfite impregnating material to combine with acids as they are developed by the action of the steam on the ligno-cellulose together with production of sulfur dioxide serving as a bleaching or decolorizing agent, and disintegrating said material by explosive discharge from the region of high steam pressure to a region of substantially atmospheric pressure, whereby discoloring reactions are substantially nullified, and the ligno-cellulose material is disintegrated into light-colored fiber.

2,234,189

PRINTING PLATE AND PROCESS OF MAKING SAME

John J. Murray, Arlington, Mass.

No Drawing. Application August 28, 1935, Serial No. 38,264
20 Claims. (Cl. 204—1)

2. The process of making an imperforate flat zinc plate for use in the graphic arts and of equal thickness throughout and having oppositely disposed flat and unbroken surfaces, consisting in suspending said plate having thereon an adhering film of acid resisting material derived from a monochloracetic acid solution in a bath of chromic acid and then by electrolysis permanently depositing on the back side thereof a continuous layer of chromium of infinitesimal and equal thickness.

2,234,190

METHOD OF TYING FIGURE 8 KNOTS

Martin N. Noling, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application December 17, 1938, Serial No. 246,338
2 Claims. (Cl. 289—1)



1. The method of tying a figure 8 knot which comprises laying a pair of strands to be united transversely across the shank of a rotary tying bill having clamping and shearing blades so that the strands lie close to and extend approximately perpendicular to the blades of the bill, rotating the bill through approximately two revolutions and in each revolution causing the blades to open during the first portion of the revolution and to close during the latter portion thereof, initially positioning the parallel strands at the side of the bill toward which it is rotated so as to extend across the path of movement of both of the blades while the latter are in open position whereby in the first revolution the strands will be twisted about the bill, and shifting the strands so as to lie between the open blades for seizure thereby in the initial portion of the second revolution.

2,234,191

PLASTICIZER

Frederick Wilhelm Alex Olze, East Rutherford, N. J., assignor to A. C. Horn Company, Long Island City, N. Y.

No Drawing. Application July 14, 1938, Serial No. 219,161
12 Claims. (Cl. 106—27)

1. In hydraulic cement mixtures, a water-retaining agent comprising an intermixture of caramel in a proportion of not more than about 1% by weight based upon the hydraulic cement content.

2,234,192

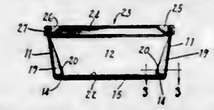
WITHDRAWN

2,234,193

CONTAINER

John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application January 14, 1939, Serial No. 251,030
5 Claims. (Cl. 229—23)



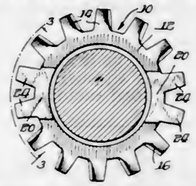
1. A container for comestibles and the like, comprising a folded rectangular body member secured together at its meeting edges in a side seam joint, said body member including inwardly turned bottom flange portions, the corner portions of said body member each having an inwardly tucked tapered reenforcing pleat member formed integrally with the body wall material, the greatest width of said pleat members being adjacent the bottom of the box, and a bottom wall member enclosed within the body walls and clamped between said inwardly turned bottom flange portions and the lower ends of said pleat members.

2,234,194

LOCK WASHER AND METHOD OF PRODUCING SAME

Ouglјesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application April 29, 1938, Serial No. 204,953
18 Claims. (Cl. 10—86)



1. In the method of producing lock washers having work spacing, thickened sections adapted to determine the minimum spacing of opposed washer engaging work pieces which comprises forming a lock washer having a body portion and work engaging teeth by means of die pressing operations from a sheet of material of substantially uniform thickness the improvement which comprises forming at spaced preselected points in the plane of said washer flat relatively thickened areas, by causing said washer forming sheet material to flow into said thickened portions, said thickened areas projecting substantially equally on either side of the central plane of said washer.

2,234,195

METHOD OF MANUFACTURING TIN PLATE

Carl G. Preis, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application January 12, 1938, Serial No. 184,689
1 Claim. (Cl. 29—148)

A method of manufacturing tin stock to avoid waste of material in subsequent article cutting, which comprises, immersing and continuously passing black iron stock in sheet form through a molten tin bath, and scroll cutting opposite edges of said stock as a separate step in immediate conjunction with and incident to the tinning opera-

tion while simultaneously severing said stock into individual sheets, whereby the total area of the scroll cut sheet corresponds closely to the total number of articles to be formed therefrom,



and the presence of undue waste scrap during the subsequent formation of such articles from said tinned sheet, and the necessity of returning said scrap to a tin mill, is eliminated.

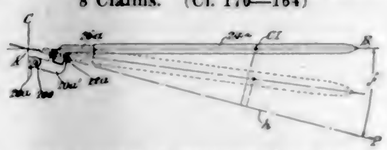
2,234,196

PROPELLER OR ROTOR CONSTRUCTION

Richard H. Prewitt, Lansdowne, Pa.

Application July 31, 1935, Serial No. 34,023

8 Claims. (Cl. 170—164)



1. In an aircraft, a revoluble thrust-producing system including a hub, a generally radially disposed airfoil blade pivotally secured to and carried by said hub by a corresponding single pitch-varying blade-root pivot whose axial line of pivotation is fixed in relation to the longitudinal axis of the blade-root and passes outwardly from said hub on the back or pressure side of the airfoil blade in a generally radial direction and diverges from the airfoil blade as it goes outwardly from said hub, and passes through the stable region of the resultant air-load vectors of the airfoil.

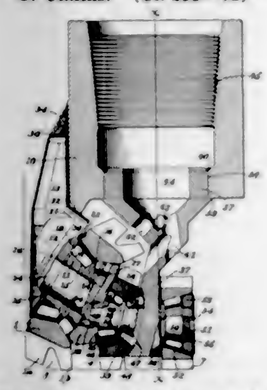
2,234,197

EARTH BORING APPARATUS

Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application December 13, 1938, Serial No. 245,507

17 Claims. (Cl. 255—71)



1. An earth boring tool comprising three side cutters tracking an annular area at the side of a bore hole, three independently rotatable cutters positioned in side by side relation with said side cutters respectively on an axis at an acute angle to the axis of its associated side cutter, and another cutter adjacent the center of the drill bit cutter assembly, all cutters inwardly of the side cutters operating in cutting planes defining substantially a flat bottomed bore hole inwardly of said annular area.

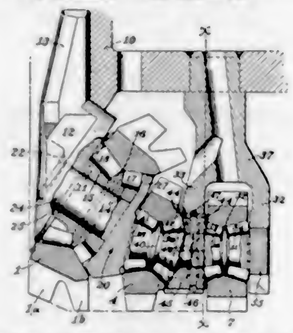
2,234,198

EARTH BORING APPARATUS

Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application March 24, 1939, Serial No. 263,973

24 Claims. (Cl. 255—71)



1. A cutter assembly for an earth boring drill comprising a spindle having in the following order a bearing surface for a side roller cutter, a flange, a bearing surface for an intermediate roller cutter, a portion for receiving a cutter separating collar, and a bearing surface for an adjacent roller cutter; roller cutters upon said bearing surfaces; a collar upon said portion; and retaining means at one end of the spindle for retaining the adjacent cutter in place on the spindle, said collar receiving portion being of a diameter not greater than the smallest internal diameter of the intermediate cutter, and the bearing surfaces for the intermediate and adjacent cutter being upon parts of the spindle which are integral with the collar receiving portion.

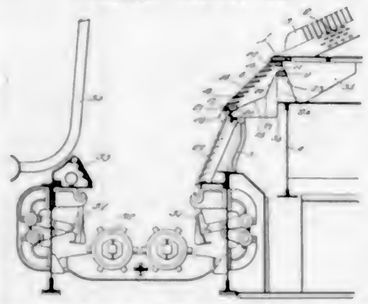
2,234,199

GRATE

William A. Riddell, Frederick, Md., assignor to The General Engineering Company, Frederick, Md., a corporation of Maryland

Application February 1, 1939, Serial No. 254,130

7 Claims. (Cl. 110—44)



1. In a stationary extension grate, a multiplicity of longitudinally extending grate bars,

each of said grate bars being constituted by an inverted channel shaped member having tuyère apertures extending through the active surface thereof, stationary upper and lower supports for said grate bars, a plane supporting portion for the upper end of each grate bar extending in a plane substantially at an angle with respect to the active surface of the extension grate and engaged with the upper support, and an upwardly recessed supporting portion at the lower end of each grate bar engaged with said lower support, the lower end of each extension grate bar being bifurcated on the exposed side thereof and operating to maintain the grate bar in position laterally with respect to said lower support.

2,234,200

ETHERIFICATION PROCESS

Sol Soltzberg, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 11, 1938, Serial No. 224,272

11 Claims. (Cl. 260—615)

1. In the process of etherifying an organic compound which is soluble in anhydrous liquid ammonia and which has at least one free hydroxyl group, which comprises forming a solution of said compound in anhydrous liquid ammonia, adding an alkali metal to said solution to form an alkali metal derivative of said compound, removing the ammonia from the said solution of the alkali metal derivative, and reacting said alkali metal derivative with an etherifying agent selected from the group consisting of alkyl halides, alkyl sulfates, and aralkyl halides, to form an ether derivative of said organic compound; the improvement which comprises adding an inert diluent to the solution of said alkali metal derivative before removing the ammonia and conducting the etherifying reaction in said diluent after the ammonia has been removed.

2,234,201

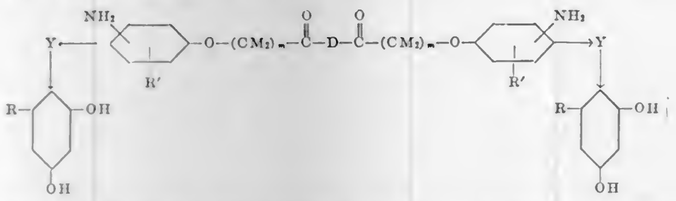
TETRAKISAZO DYESTUFFS

Chiles E. Sparks, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

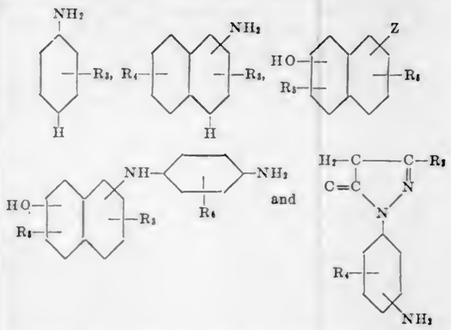
No Drawing. Application September 12, 1939, Serial No. 294,419

14 Claims. (Cl. 8—46)

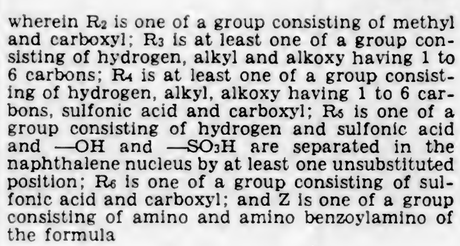
1. The tetrakisazo dyestuffs which in their acid form are represented by the formula



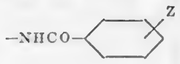
wherein R is one of a group consisting of hydrogen, straight and branched chain alkyl having 1 to 6 carbons, the corresponding alkoxy groups, hydroxy, amino, CN, halogen, sulfonic acid and carboxyl; R′ is at least one of the group consisting of hydrogen, straight and branched chain alkyl having 1 to 6 carbons, the corresponding alkoxy groups, aryl-, aryl-alkyl-, halogen, CN, sulfonic acid and carboxyl; CM_2 is a group consisting of straight and branched chain aliphatic radicals wherein M occurs twice and is one of a group consisting of hydrogen and straight and branched chain alkyl having 1 to 6 carbon atoms; m is an integer not greater than 10; D is the radical of a group consisting of straight and branched chain aliphatic diamines having a formula $NH_2—(CB_2)_n—NH_2$ wherein B occurs twice and is one of a group consisting of hydrogen and aliphatic radicals having 1 to 6 carbon atoms and n is an integer 2 to 10, diamino cycloalkanes having 4 to 6 carbons in the ring and the 1- to 6-carbon saturated aliphatic derivatives thereof, and di-imino cyclic compounds having 3 to 6 carbons in the ring and the 1- to 6-carbon saturated aliphatic derivatives thereof; each Y is the radical after coupling and azotization of a compound of the group consisting of the 1-(amino phenyl)- pyrazolones and compounds of the benzene and naphthalene series which are represented by the formulae



and



wherein R_2 is one of a group consisting of methyl and carboxyl; R_3 is at least one of a group consisting of hydrogen, alkyl and alkoxy having 1 to 6 carbons; R_4 is at least one of a group consisting of hydrogen, alkyl, alkoxy having 1 to 6 carbons, sulfonic acid and carboxyl; R_5 is one of a group consisting of hydrogen and sulfonic acid and —OH and $—SO_3H$ are separated in the naphthalene nucleus by at least one unsubstituted position; R_6 is one of a group consisting of sulfonic acid and carboxyl; and Z is one of a group consisting of amino and amino benzoylamino of the formula



containing not more than two benzene nuclei and having one primary amino group meta or para to —CO—.

14. The process which comprises dyeing a dyeable fabric with a compound in accordance with claim 1; and then applying aqueous formaldehyde until a formaldehyde complex is formed.

2,234,202
VULCANIZED PRODUCT FROM RUBBER AND METHOD OF VULCANIZING RUBBER
David Spence, Monterey, Calif., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Original application May 11, 1937, Serial No. 141,971. Divided and this application January 11, 1939, Serial No. 250,419
10 Claims. (Cl. 260—773)

1. The process of imparting to rubber the physical properties of a vulcanized product which comprises heating rubber in the absence of sulfur with a quinone having no substituents in the aromatic nucleus other than hydrocarbon groups.

2,234,203
STABILIZED PLASTIC POLYMER AND PROCESS OF PRODUCING THE SAME
Howard W. Starkweather, New Castle County, and Arnold M. Collins, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 16, 1938, Serial No. 196,186. In France March 18, 1937
22 Claims. (Cl. 260—89)

2. A composition comprising a heat-curable plastic polymer of a compound of the general formula

$$CH_2{=}C(X){-}C{=}CH_2$$

in which X is halogen and R is a member of the group consisting of hydrogen and hydrocarbon radicals having in chemical combination therewith an unpolymerizable acid-stable, organic modifying agent capable of forming addition products with compounds of the above general formula under conditions of polymerization of such compounds of the above general formula and also comprising a small amount of a hydrocarbon substituted ammonium salt.

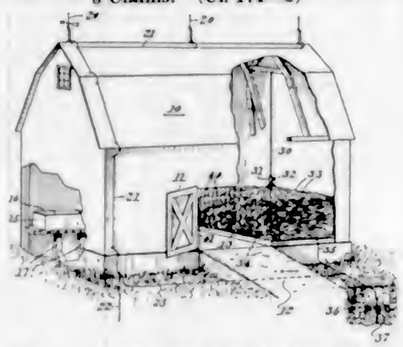
2,234,204
PLASTIC POLYMER OF BUTADIENE AND PROCESS OF PRODUCING SAME
Howard W. Starkweather, New Castle County, and Mortimer A. Youker, Gordon Heights, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 28, 1939, Serial No. 264,582
17 Claims. (Cl. 260—36)

1. In a process for making plastic, rubber-like materials by polymerizing, in the presence of sulfur, a diene hydrocarbon of the general formula

$$CH_2{=}C(R_1){-}C(R_2){=}CH_2$$

wherein each of the radicals, R_2 and R_4, is a member of the group consisting of hydrogen and hydrocarbon radicals, and then plasticizing the polymerized material, the step of adding to the polymerized material at least one compound of the general formula R—S—R_1 in which R is a member of the group consisting of alkyl, aryl, thiazyl, thiocarbamyl, xanthogenyl, thioxanthogenyl, aromatic aryl, and aromatic thioacyl groups, and R_1 is a member of the group consisting of hydrogen, base-forming radicals, and radicals represented by —S_n—R_2 in which n is a whole number less than 4 and R_2 is one of the groups represented by R above.

2,234,205
LIGHTNING PROTECTIVE SYSTEM
James S. Steele, Jr., Sturgeon, Pa.
Application August 31, 1938, Serial No. 227,701
8 Claims. (Cl. 174—2)

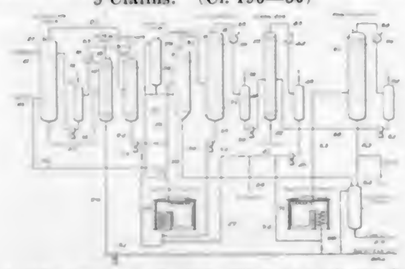


1. In a system for discharging lightning-attracting electrical charges from relatively solid materials such as grain, hay, or straw to be stored in a building such as a barn, a conductor element interposed in the path of movement of materials being introduced into the barn and arranged to make electrical contact with such materials as they are being introduced into the barn, a ground, and a conductor connecting said conductor element to said ground.

2,234,206
COATED ALUMINUM
John S. Thompson, Detroit, Mich., assignor to Metal Finishing Research Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 3, 1935, Serial No. 24,718. Renewed August 29, 1939
3 Claims. (Cl. 148—6)

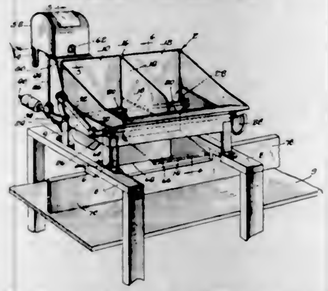
1. An article having a surface of aluminum or an alloy of aluminum and coated with a substantial, closely adherent coating at least 65% of which is a substantially insoluble phosphate of a metal which also forms a soluble acid phosphate and at least 6% of a fluoride.

2,234,207
PROCESS OF MAKING HEAVY FUEL OIL
Ernest W. Thiele, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 19, 1938, Serial No. 235,823
5 Claims. (Cl. 196—50)



1. The process of converting gas oil cracking stock into gasoline and merchantable fuel oil which comprises separating said gas oil stock by the action of a selective solvent into a raffinate and an extract fraction, subjecting the raffinate fraction to cracking at a high cracking temperature between 900 and 1100° F., separating the cracked products into heavy tar having a viscosity of about 400 to 1000 seconds fural at 122° F., cycle oil, gasoline and gaseous hydrocarbon constituents, recycling the said cycle oil to said cracking operation and reducing the viscosity of said heavy tar by combining therewith a sufficient amount of said extract fraction to produce the desired merchantable fuel oil.

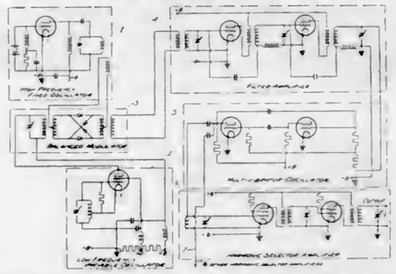
2,234,208
APPARATUS FOR PREPARING AND COUNTING FRUIT AND VEGETABLES
Edward W. Thompson and Henry A. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg., a corporation of Oregon
Application July 16, 1937, Serial No. 153,970
2 Claims. (Cl. 235—98)



1. A fruit counter comprising a supporting frame, a hopper having rear, front and side walls secured to said frame and a partition separating said hopper into chambers for receiving fruit of different grades, a shaft journaled in said frame and extending across said chambers adjacent the rear wall of the hopper, a second shaft journaled in said frame and extending across said chambers adjacent the front wall of said hopper, a pair of oppositely directed bottom plates for each of said chambers one plate of each pair being connected to the front shaft and the other plate of said pair connected to the rear shaft for rotation therewith, each of said shafts having at one end a counterweight for counterbalancing the weight of the bottom plates attached thereto, a counter mounted upon said frame, means connecting said shafts for simultaneous equal and opposite rotation and operating linkages connecting one of said shafts to said counter to operate the same upon rotation of said bottom plates to discharge fruit from said hopper chambers.

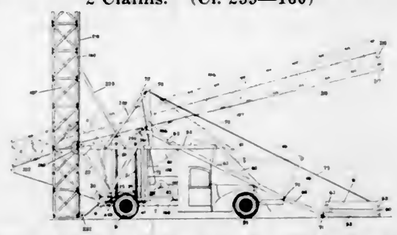
2,234,209
CONTINUOUSLY VARIABLE CRYSTAL-STABILIZED OSCILLATOR
Leslie Bliss Tollaksen, Seattle, Wash.
Application August 28, 1939, Serial No. 292,208
3 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An apparatus for generating substantially constant frequency oscillations at any desired frequency within a wide band comprising in combination a relatively high frequency mechanically controlled oscillator having a high degree of frequency stability, a second oscillator for generating a relatively low frequency compared to the frequency generated by said mechanically controlled oscillator, means for inter-modulating the oscillations from said oscillators, means for selecting an inter-modulation product, a multi-vibrator oscillator for producing oscillations having a great number of harmonically related components, means for impressing said selected inter-modulation product on said multi-vibrator oscillator for controlling the frequency of its harmonically related components whereby the frequency components derived from the output of said multi-vibrator vary in frequency in accordance with the frequency variation of the inter-modulation product impressed thereon, means for varying the frequency of said low frequency oscillator sufficiently to vary the output frequency



components of said multi-vibrator oscillator from one value to another value such that the frequency of a selected harmonic at one setting of said low frequency oscillator is equal to the frequency of an adjacent harmonic at another setting in at least a portion of the frequency spectrum of the multi-vibrator oscillator, whereby any desired frequency of oscillation within a wide band may be obtained by appropriate variation of the frequency of said low frequency oscillator and the selection of a concomitantly varied appropriate harmonic of said multi-vibrator, providing a variable frequency of oscillation having the frequency stability of the order of a mechanically controlled oscillator.

2,234,210
PORTABLE CONCRETE MIXER
Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.
Application September 22, 1937, Serial No. 165,156
2 Claims. (Cl. 259—160)



1. In a device of the class described, the combination of a truck, said truck having a primary frame and a secondary frame with the secondary frame superposed on the primary frame, a jointed track secured to the primary and the secondary frames with said jointed track being adapted for being lowered and for resting upon the supporting surface of the ground when lowered, and for being raised at its jointed end and for being carried upon the truck when the truck is to be moved with power for said manipulation being supplied by the prime mover of the truck,

and a skip having a pair of wheels disposed at each of its opposite ends adapted for being manipulated upon the track, and said skip adapted for being carried upon the track above its jointed ends when the truck is to be moved.

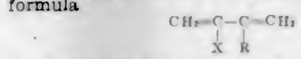
2,234,211

STABILIZED PLASTIC CHLOROPRENE POLYMER AND PROCESS OF PRODUCING SAME

Herbert W. Walker, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 14, 1938, Serial No. 245,595
8 Claims. (Cl. 260—89)

1. A composition comprising a heat curable plastic polymer of a compound of the general formula



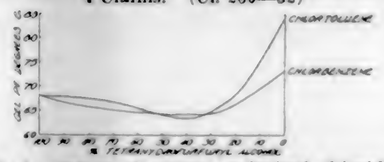
in which R is a member of the group consisting of hydrogen and hydrocarbon radicals, and X is halogen having, in chemical combination therewith, an unpolymerizable, acid-stable organic modifying agent which is capable of forming an addition product with compounds of the above general formula under conditions of polymerization of compounds of the above general formula, and also comprising a small amount of a mercaptan of the general formula Q—SH in which the —SH group is attached directly to one of the carbon atoms in the Q group and in which Q is an organic group selected from the class consisting of aryl groups and aralkyl groups, which aryl groups and aralkyl groups consist of carbon and inorganic radicals selected from the class consisting of —H, —Cl, —Br, —I, —NO_2, and —SO_3M, in which M is an inorganic radical of the group consisting of hydrogen and alkali metals.

2,234,212

POLYVINYL CHLORIDE SOLUTION AND METHOD OF MAKING THE SAME

Ralph F. Wolf, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application March 2, 1939, Serial No. 259,340
4 Claims. (Cl. 260—32)



2. A solution of gamma polyvinyl chloride in a mixed solvent containing a member of the class consisting of chlorinated benzene and its homologues and a member of the class consisting of furfuryl alcohol, furfural, tetrahydrofurfuryl alcohol, and tetrahydrofurfural, in such proportions that the gel point is lower than the gel points obtained with either solvent alone.

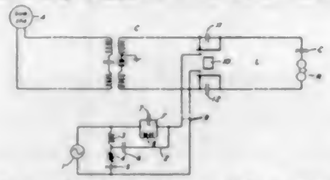
2,234,213

TONE SIGNAL SOURCE FOR TELEPHONE SIGNALING SYSTEMS

Leishman R. Wrathall, River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 30, 1940, Serial No. 326,907
3 Claims. (Cl. 179—84)

1. In a telephone signaling system, a source of fundamental low frequency ringing current, means for generating therefrom a plurality of harmonic frequencies thereof, suppressing all but a desired group of said harmonics and combining said unsuppressed harmonic frequencies with said fundamental frequency, said means comprising a wave distorting device including a ferro-magnetic non-linear induction coil, input and output circuits for said device, said input circuit being supplied from said fundamental



source, impedance means in the output circuit of said device which offers a substantially zero impedance to said fundamental frequency, a substantially infinite impedance to a particular one of said harmonics, and progressively lower impedance to the adjacent harmonics as this harmonic order increases and decreases relative to said particular harmonic, and a load circuit serially including said impedance means and said fundamental source.

2,234,214

METHOD OF PRODUCING LAMINATED SHIMS

Earle L. Young, Awosting, N. J., assignor, by mesne assignments, to Laminated Shim Co., Inc., Glennbrook, Conn., a corporation of Connecticut

Original application July 23, 1935, Serial No. 32,724. Divided and this application May 28, 1938, Serial No. 210,594
5 Claims. (Cl. 29—148)



2. The process of bonding a plurality of sheets of shim stock together to form unitary laminated shim stock in which separate laminae may be peeled from the stock to vary the thickness thereof which comprises the steps of electroplating shim stock to form a flash coat of copper on the surfaces of the shim stock, subsequently coating the plated surfaces with a high lead solder, packing a plurality of sheets of coated shim stock together and pressing out substantially all of the solder to make a laminated stock.

2,234,215

PLASTIC POLYMERIC DERIVATIVES OF CHLOROPRENE AND PROCESS OF PRODUCING THE SAME

Mortimer A. Youker, Gordon Heights, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 28, 1939, Serial No. 264,581
13 Claims. (Cl. 260—89)

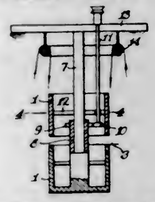
1. In a process for making plastic, rubber-like materials by polymerizing chloro-2-butadiene-1,3 in the presence of sulfur and then plasticizing the polymerized material, the step of adding to the polymerized material at least one compound of the general formula R—S—R_1 in which R is a member of the group consisting of alkyl, aryl, thiazyl, thiocarbamyl, xanthogenyl, thioxanthogenyl, aromatic acyl and aromatic thioacyl radicals, and R_1 is a member of the group consisting of hydrogen, base-forming radicals, and radicals represented by —S_n—R_2 in which n is a whole number less than 4 and R_2 is one of the group represented by R above.

2,234,216

APPARATUS FOR PRODUCING EXTENSIBLE SLIVER OR ROVING OF RAYON STAPLE FIBERS

Walther Zetzsche and Franz Schiele, Premnitz, and Richard Hartmuth, Dessau, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

Application December 7, 1938, Serial No. 244,427
In Germany December 13, 1937
4 Claims. (Cl. 164—60)



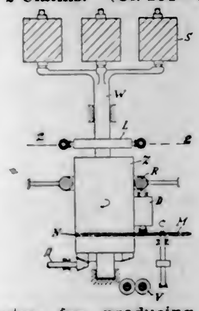
1. Apparatus for producing an extensible sliver or roving of rayon staple fibers by cutting a continuous sliver, while maintaining the original parallel position of the individual fibers, comprising in combination a fixed guiding core composed of two main pieces, a cutting implement inside said core rotating between said main pieces and adapted to cut a tube-like assembly of continuous filaments drawn over said core in its longitudinal direction, and guiding means holding said tube-like assembly of filaments against said core.

2,234,217

APPARATUS FOR PRODUCING AN EXTENSIBLE SLIVER OR ROVING

Walther Zetzsche and Franz Schiele, Premnitz, and Richard Hartmuth, Dessau, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

Application December 7, 1938, Serial No. 244,428
In Germany December 14, 1937
2 Claims. (Cl. 164—61)



2. Apparatus for producing an extensible sliver or roving consisting of rayon staple fibers, comprising in combination a rotary support for at least one reel of continuous rayon filaments, means for withdrawing a sliver from said reel, a cylindrical body rotatable around a vertical axis, means for forming a sleeve- or tube-like assembly of filaments over said cylindrical body, means for guiding said tube-like assembly along said body, means for holding said tube-like assembly against said body, cutting means pressing against said body, and withdrawing means engaging said assembly of filaments or parts thereof after the same is cut by the cutting means.

2,234,218

TUNING DEVICE FOR VIOLINS AND THE LIKE

Neil B. Abrams, Kalamazoo, Mich., assignor to Gibson, Inc., Kalamazoo, Mich., a corporation of Michigan

Application November 29, 1940, Serial No. 367,684
6 Claims. (Cl. 84—312)



1. In a tuning device for the string of a violin or like instrument having a tailpiece provided with anchoring apertures receiving one end of the strings and a projecting transverse rib across which said strings are normally trained, said device comprising a positioning member having an aperture therein adapted to be alined with an aperture in the tailpiece behind said rib, a threaded post extending through said aperture and threadedly engaging the positioning member to hold the same fixedly in place on the tailpiece, said post being positioned relative to the tailpiece by engagement with said positioning member, a tensioning lever having a rearwardly extending tail portion provided with an enlarged aperture receiving said post, an upturned forward arm engageable by a string of the instrument, a fulcrum nose between said arm and portion rockably engaging the top of said positioning member, and a nut threadedly engageable with said post and abuttingly engageable with said tail portion to rock said tensioning lever about said fulcrum nose and thereby adjust the tension of said string.

2,234,219

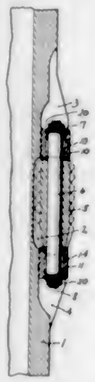
REAMER

Dwight D. Anderson, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application February 1, 1940, Serial No. 316,731
6 Claims. (Cl. 255—73)

1. In a reamer construction, a reamer body having a major recess in its outer surface and a

smaller auxiliary recess at each end of said major recess, a block in each of said auxiliary recesses having an opening therethrough tapering toward a smaller dimension in a direction toward said major recess, a correspondingly tapered split bushing in each of said blocks, a reamer cutter



in said major recess, a cutter shaft threaded at its extremities extending through said split bushings, and nuts on said threaded extremities adapted to be tightened to draw said split bushings tightly within the tapered openings and into proper position to rotatably mount said cutter in said major recess.

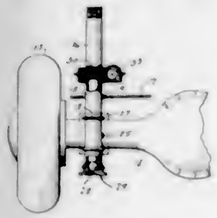
2,234,220

AUTOMOBILE JACK

Silvio Antonietti, Philadelphia, Pa.

Application May 15, 1940, Serial No. 335,263

6 Claims. (Cl. 254—86)



1. In combination, a motor vehicle including a rear axle housing and a floor board disposed thereabove and having an opening therein, and a jack attached to said rear axle housing and extending vertically upwardly through said opening, said jack including operating instrumentalities disposed above said floor board over said opening.

2,234,221

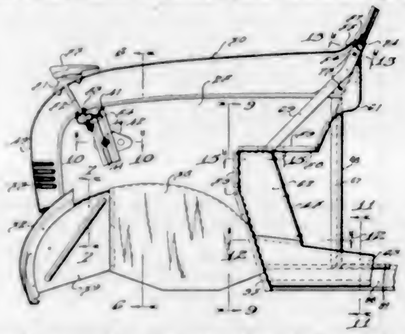
VEHICLE BODY

Clarence W. Avery and Charles H. Widman, Detroit, and Noble C. Clark, Pleasant Ridge, Mich., assignors to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application August 1, 1938, Serial No. 222,412

18 Claims. (Cl. 296—28)

1. A vehicle body including, in combination, a pair of cowl side panels flanged inwardly and downwardly forming the entire inner wall of the front wheel housings, pillar reinforcing ele-



ments welded to the rear edge of the cowl side panels and extended thereabove.

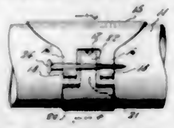
2,234,222

BOILER TUBE SHIELD

Eugene A. Baerer, Ridgefield, N. J.

Application October 28, 1939, Serial No. 301,706

2 Claims. (Cl. 122—392)



1. A boiler tube shield device for cooperation with soot blowing apparatus comprising, a uniformly thin and flat lying arcuate shield plate of suitable peripheral shape adapted to snugly engage the external surface of a tube to which it is applied, a separable and correspondingly uniformly thin arcuate attachment strap member likewise adapted to snugly engage the tube surface, said plate and strap member having at opposed portions thereof interfitting tongues extending in the planes thereof and provided at their extremities and in the planes thereof with slightly thickened transverse coupling bosses, and a flat removable key device for engagement between opposed coupling bosses, thus providing shield fastening means closely contiguous to the tube surface and of minimum projecture therefrom.

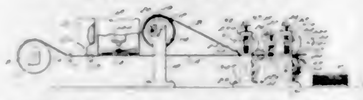
2,234,223

FABRIC SPREADING DEVICE

Albert P. Ball, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Original application October 23, 1935, Serial No. 46,310. Divided and this application October 30, 1937, Serial No. 171,847

2 Claims. (Cl. 26—63)



1. In a machine for forming laminated panels by uniting together a backing strip and a fabric strip in superimposed relation while traveling longitudinally through the machine in which the machine includes a pair of superimposed forming rollers disposed transversely of the machine in spaced relation longitudinally thereof; a fabric

spreading device comprising a rotatable supporting roll having a smooth surface and a rotatable metallic spreading roll superimposed above said supporting roll and in substantially parallel relation thereto, said rolls being disposed adjacent the bite of said pair of forming rollers, and adjustable manually controlled means and compression springs located beyond the ends of said spreading roll proper and above the supporting roll for resiliently urging the rolls apart.

2,234,224

BASS VIOLIN STRUMMER

May Bay, St. Louis, Mo., assignor of one-half to Joseph Ermantraut and one-half to George F. Palecek, both of St. Louis, Mo.

Application September 9, 1940, Serial No. 355,909

5 Claims. (Cl. 84—322)



1. A strummer for bass violins and other stringed instruments comprising a body portion adapted to extend along the inner side of a finger, resilient curved clip portions extending laterally from said body portion for partially encircling said finger and a rounded boss extending from said body portion for engaging an instrument string.

2,234,225

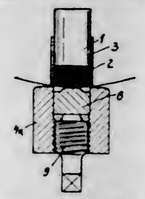
APPARATUS FOR STRETCHING OPERATIONS

Emil Becker, Munich, Germany

Application May 22, 1937, Serial No. 144,206

In Germany November 26, 1935

1 Claim. (Cl. 113—44)



A device for deforming ductile sheet material to the desired shape by successively producing in a blank small indentations of substantially uniform area and outline adjacent one another, said device comprising a movable rubber die, an element preventing said die from crumpling, and a stationary matrix having a recess of definite outline and being arranged for cooperation with said die, said matrix having a displaceable part forming the bottom of said recess and means to adjust said displaceable part substantially in the direction of movement of said rubber die.

2,234,226

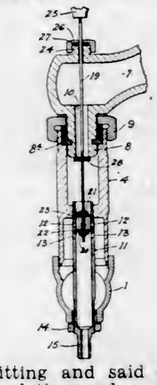
PLUMBING FIXTURE

Leon Bloch, Cleveland, Ohio

Application March 17, 1939, Serial No. 262,555

5 Claims. (Cl. 277—7)

1. A fixture of the character described comprising a casing, means for delivering hot and cold water to said casing, a connection leading from said casing and having a delivery spout connected therewith, a fitting secured in said connection and having communication with said spout at its upper end, a spray nozzle connected with the opposite end of said fitting, said fitting having a plurality of openings therein disposed in different vertical planes, a valve slidably mounted in said fitting and movable to divert the flow of water to said spout or to said spray nozzle, there being an extensible connection be-



tween said fitting and said spray nozzle and means for regulating and controlling the delivery of hot and cold water to said casing, said valve having a stem extending through said spout and cooperating means on said spout and stem for limiting the volume of water delivered to said spray nozzle.

2,234,227

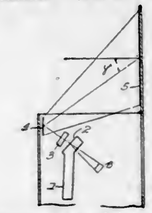
PROJECTION RECEIVER

Fritz Below, Klein-Machnow, near Berlin, Paul Lindner, Berlin-Lankwitz, and Erich Schwartz, Berlin-Lichterfelde, Germany, assignors to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application December 15, 1937, Serial No. 180,018

In Germany December 16, 1936

3 Claims. (Cl. 178—7.5)



1. In a projecting television receiver, a cathode ray receiving tube having a luminescent screen positioned obliquely therein with respect to the undeflected path of the rays, whereby the deflection of said rays will produce a trapezoidal pattern on said screen, an optical viewing screen, and an optical projecting system for producing an image of said pattern on said viewing screen, the optical axis of said system being oblique to said screens in such degree as to distort said trapezoidal pattern into a rectangular one.

2,234,228

MATERIALS TESTING APPARATUS

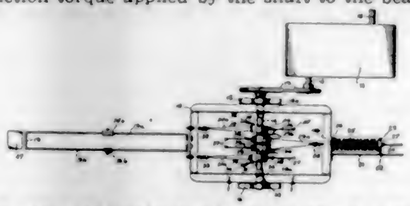
Graziano I. Boccasile, West Springfield, Mass.

Application April 2, 1938, Serial No. 199,682

9 Claims. (Cl. 265—10)

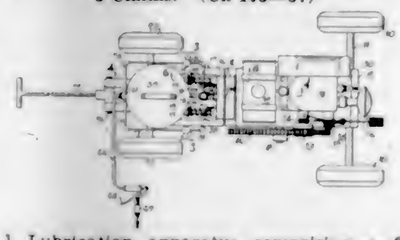
4. Testing apparatus in which bearing means have bearing engagement with a rotating shaft, comprising a lever, means mounting and sup-

porting the lever solely on the bearing means and including universal self-adjusting, positive connections between the lever and bearing means tying them together for common rocking movement about the shaft under the influence of the friction torque applied by the shaft to the bear-



ing means while also enabling the bearing means to move relatively to the lever to align the bearing surfaces thereof with the shaft to have true and full bearing engagement therewith, and means coacting with the lever to counterbalance the applied torque.

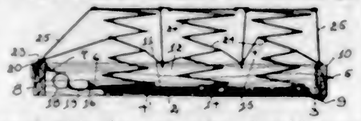
2,234,229
LUBRICATION APPARATUS
Wiley G. Brown, Charlotte, N. C.
Application March 17, 1939, Serial No. 262,471
3 Claims. (Cl. 103—37)



1. Lubrication apparatus comprising a first frame and a second frame arranged end to end and each frame on its outer or remote end having wheels thereon for supporting the same, the first frame having projections thereon slidably mounted in the proximate end of the second frame, spring means urging the proximate ends of the frames against each other, a motor mounted on the first frame, a piston in said first frame and having a driving connection with the motor, a lubricant pump mounted on the second frame into which the piston projects, a delivery hose for the pump, a pressure cylinder mounted on the second frame and having a slidable piston engaging the first frame, a piped conection between the delivery hose and the pressure cylinder whereby as the pressure is built up in the delivery hose, the piston in the pressure cylinder is moved to move the two frames away from each other in direct proportion to the amount of pressure in the delivery hose to thereby move the pump away from the first-named piston to thereby shorten the stroke of the pump piston and decrease the output of the pump.

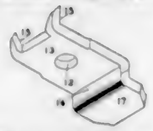
2,234,230
SPRING STRUCTURE FOR CUSHIONED SEATS
Theodore Burke, Cleveland, Ohio, assignor, by direct and mesne assignments, to John C. Lincoln, Scottsdale, Ariz.
Application April 20, 1938, Serial No. 203,058
3 Claims. (Cl. 155—179)

1. A spring structure for upholstered furniture comprising an open substantially rectangularly shaped frame, a flexible suspensory means of trapezoidal form rigidly secured at its front and side edges to the front and side rails of said frame, and yielding bracket means pivotally



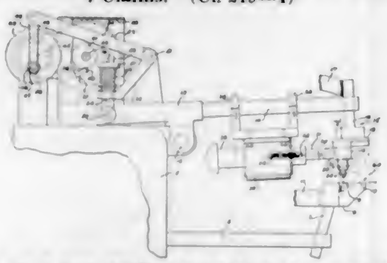
engaged with the rear edge of said suspensory means, said bracket means including a hook-shaped end adapted to be readily slipped upon the rear rail of said frame for engagement therewith.

2,234,231
FLOOR CLIP
Sterling H. Campbell and Frank H. Pietzsch, St. Louis, Mo., assignors to Western Railway Equipment Company, St. Louis, Mo., a corporation of Missouri
Original application January 31, 1938, Serial No. 187,778. Divided and this application March 22, 1939, Serial No. 263,428
2 Claims. (Cl. 189—35)



1. A floor clip comprising a body portion of uniform thickness provided with a bolt hole and with a lip offset from said body portion, said body portion being provided with a rotation preventing prong formed integral with said body portion, said prongs merging at its base directly into the upper and lower surfaces of the clip, the length of said prong above the upper face of the body portion being greater than the thickness of said portion, the thickness of said prong in the direction of the length of the clip being less than the stock from which it is formed.

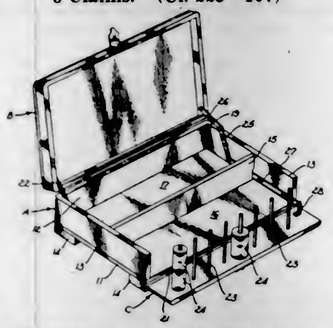
2,234,232
WELDING APPARATUS
Edwin G. Chambers, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1939, Serial No. 296,247
7 Claims. (Cl. 219—4)



1. In a spot welding apparatus, a pair of stationary electrodes, a movable electrode movable in a substantially vertical plane to engage one of said stationary electrodes, and a solenoid actuated mechanism for shifting said movable electrode in a substantially horizontal plane to associate it with the second fixed electrode and

means for energizing the solenoid once during each two movements of the movable electrode in a substantially vertical plane.

2,234,233
WORKBOX
Mark Orlin Corey, Los Angeles, Calif.
Application December 22, 1939, Serial No. 310,549
3 Claims. (Cl. 223—107)



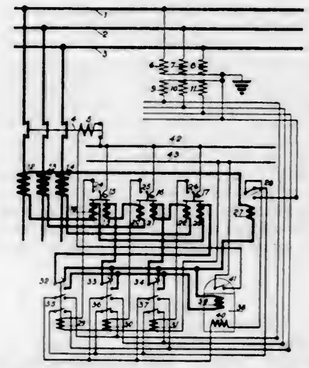
1. In a workbox, the combination of: a box body; a lid hinged to the upper edge of the rear wall of said body; a front drop wall hinged to the front edge of the bottom of said body and adapted to swing from a vertical to a horizontal position; spool holding pins mounted upon and normal to the inner face of said wall; and means mechanically linking together said lid and said front drop wall for simultaneous opening movements and simultaneous closing movements of said lid and said front drop wall about their respective hinged axes.

2,234,234
AERIAL OR AERIAL SYSTEM
Edward Cecil Cork, Ealing, London, and Joseph Lade Pawsey, Ickenham, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application June 15, 1939, Serial No. 279,244
In Great Britain June 28, 1938
5 Claims. (Cl. 250—33)



1. An aerial system comprising a conductive supporting mast, one or more substantially tubular radiating elements arranged on said mast coaxially therewith, means separate from said mast for feeding signals to said radiating elements, said means being directly connected to said radiating elements, said mast being effectively earthed at points adjacent each end of said radiating elements and also at a distance equal to a quarter of the length of the operating wave from the ends of said radiating elements which are not adjacent another radiating element.

2,234,235
PROTECTION DEVICE FOR ELECTRICAL NETWORKS
Roger Dubusc, Paris, France
Application October 21, 1937, Serial No. 170,244
In France October 21, 1936
7 Claims. (Cl. 175—294)



1. A protection system for a network of polyphase circuits, which comprises, in combination, electric elements connected to said circuits respectively responsive to current variations therein electric elements connected to said circuits respectively responsive to voltage variations therein, protecting means for opening said circuits, a single relay adapted to operate said protecting means, including two windings, a plurality of selector means for connecting one of said windings to at least one, but not all, of said first mentioned electric elements, and the other of said windings to at least one, but not all, of said second mentioned electric elements, and a plurality of auxiliary relays for controlling said selector means, respectively, each of these relays including two operating electric elements connected with two of the first mentioned electric elements, in differential manner, respectively.

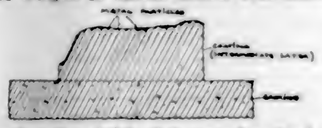
2,234,236
LAMINATED MATERIAL AND PROCESS OF MAKING THE SAME
Donald E. Edgar, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application February 23, 1933, Serial No. 658,270. Divided and this application June 23, 1934, Serial No. 732,083
9 Claims. (Cl. 154—2)

1. A laminated material comprising a plurality of cloth layers joined by means of a film of thermoplastic cement comprising a polyhydric alcohol-polybasic acid resin and cellulose nitrate.

2,234,237
COATING
Herbert E. Feist, New York, N. Y.
Application October 31, 1936, Serial No. 108,611
1 Claim. (Cl. 91—68)

An article of manufacture having on its sur-

face a coating comprising an intermediate layer of a hardened composition of a mixture of ground minerals, coloring matter and binding means, said minerals being selected from the group consisting of silicates, volcanic minerals and calcareous minerals, the minerals used having different size of grain and degree of hardness, said binding means containing a mixture of two different glues, one of said glues being deposited from a mixture consisting of substantially 20 parts of weight of casein mixed with substantial-



ly 4 parts of weight of borax dissolved in substantially 10 parts of weight of water, the other glue being deposited from a mixture consisting of substantially 2 parts of weight of a resin soap produced by boiling a mixture of substantially 10 parts of weight of resin and substantially 2 parts of weight of calcined soda and substantially 100 parts of weight of water, and said composition having interstices on the surface, and a top layer of metal particles, said top layer being anchored in said interstices of said intermediate layer.

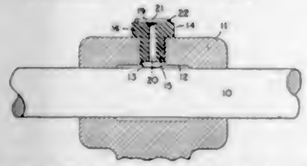
2,234,238

LUBRICATING FITTING

Swan H. Forsberg, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application December 10, 1938, Serial No. 244,993

6 Claims. (Cl. 184—105)



1. For use with a bearing having an oil hole therein, a lubricant fitting consisting of a rubber seal portion of larger diameter than said oil hole and adapted to be disposed outwardly thereof so as to cover and overlap the edges of said oil hole, said outer portion of the lubricant fitting having an opening therein adjacent its outer surface that is normally closed by virtue of the elasticity of the rubber, said opening being deformable when an oil can spout is inserted to allow the spout to extend into said oil hole, and means carried by and extending inwardly of said seal portion and fitting tightly within said oil hole for holding said fitting permanently in place on said bearing with said seal portion in position covering said oil hole.

2,234,239

AUTOMATIC REGULATION AND CONTROL OF THE ELECTRODES OF AN ELECTRIC ARC FURNACE

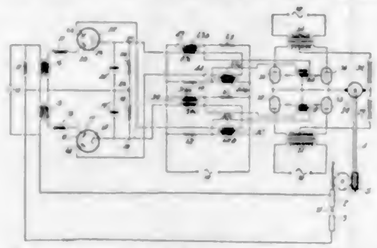
Klaus Freudenhammer, Berlin-Charlottenburg, Germany, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung, "Hermes", Berlin, Germany, a corporation of Germany

Application March 15, 1939, Serial No. 262,071

In Germany March 15, 1938

14 Claims. (Cl. 13—13)

1. An arrangement for automatically adjusting the electrodes in electric arc furnaces, comprising in combination a circuit for supplying said electrodes with operating current, a motor capable of operating in both directions of rotation for adjusting said electrodes, two sets of grid-controlled electronic devices each being connected with said motor for controlling said motor with respect to a different direction of rotation, circuit means associated with the grids of said electronic devices for controlling said devices with respect to the flow of current therethrough, saturable reactance means of variable reactance forming



part of said circuit means so as to effect said control of said electronic devices in dependence upon said variable reactance, and connecting means electrically coupling said reactance means with said circuit of said electrodes so as to energize said saturable reactance means in dependence upon a given ratio of the current and voltage of said operating current, whereby the control of said devices is varied with a high rate of change at small departures from said given ratio and tends toward a predetermined limit at increasing departures.

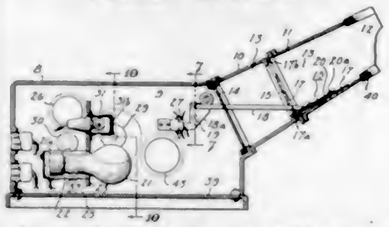
2,234,240

INSTRUMENT FOR DETERMINING VITAMIN A DEFICIENCY

William O. Frohring, Cleveland Heights, and Howard F. Seibert and Joseph M. Tabor, Cleveland, Ohio, assignors, by direct and mesne assignments, to Frober Faybor Company, Cleveland, Ohio, a corporation of Ohio

Application October 26, 1937, Serial No. 171,080

3 Claims. (Cl. 88—20)



1. An eye testing apparatus of the class described, comprising a casing having a body portion closed against the entrance or exit of light and an eye opening which is adapted to receive light rays which emanate from within said body portion, a source of bright illumination mounted in said body portion in optical alinement with the eye opening, a source of dim illumination arranged in said body portion, the source of bright illumination having sufficient light energy to provide rays of sufficient intensity to light adapt a dark adapted eye placed at said opening, a movable target mounted in said casing between said illuminating sources and said eye opening, said target having opaque portions and translucent

portions of varying degrees of translucency providing test object means adapted to be viewed through the said eye opening, said target being movable to an idle position in which unobstructed rays of light pass from the source of bright illumination to the eye opening or to an operative light threshold determining position in which all light rays which might pass to an eye at said opening are intercepted except light rays which pass through translucent portions of said target, the dim light source being arranged to illuminate said translucent portions when the target is in its operative position, means whereby said target may be moved either to its idle or to its operative position, means for rendering the source of bright illumination effective when said target is in idle position, means whereby the source of bright illumination may be made ineffective and the dim source of illumination made effective when the target is in operative position, and means for regulating the intensity of the dim source of illumination.

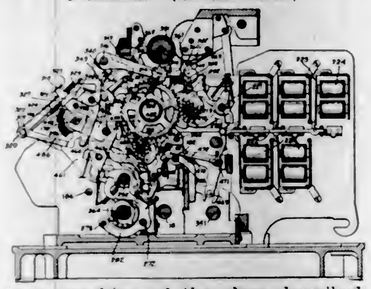
2,234,241

TABULATING MACHINE

Frederick L. Fuller and George Francis Daly, West Orange, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 5, 1936, Serial No. 109,227

9 Claims. (Cl. 235—61.9)



3. In a machine of the class described, the combination of actuating means, totalizer elements movable from a normal position to engage said actuating means to receive items, printing elements set by said actuating means, a turn-to-zero shaft and means driven thereby for rotating said totalizer elements to zero, means for moving said actuating means, means for driving said turn-to-to-zero shaft for rotating said totalizer elements to zero when said totalizer elements are at said normal positions, and means controlled by the totalizer elements upon reaching their zero positions for determining the extent of movement of said actuating means by said moving means, said moving means thereafter in the same machine operation moving said actuating means to set said printing elements to normal positions.

2,234,242

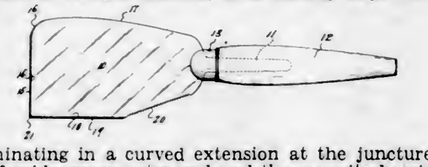
CULINARY TOOL

Ida B. Gilbert, East Orange, N. J., assignor of one-half to Russell B. Kingman, Orange, N. J., and one-fourth to William A. Stewart, East Orange, N. J.

Application October 9, 1937, Serial No. 168,126

1 Claim. (Cl. 30—169)

A culinary tool comprising an imperforate blade body having a square outer end of substantial width transverse to its longitudinal axis and a relatively narrow shank portion aligned with said longitudinal axis to extend from its inner end, a handle member in which said shank portion is embedded, a sharpened right-angled cutting edge extending along the square outer end of said blade body and along a portion of one longitudinal margin thereof, said cutting edge ter-



minating in a curved extension at the juncture of said square outer end and the opposite longitudinal margin of said blade body, and said blade body having an inwardly inclined cutaway portion extending from the longitudinal part of said cutting edge toward said shank portion and handle member.

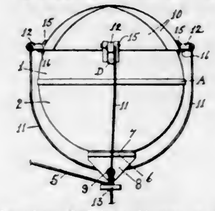
2,234,243

BOB FOR FISHING LINES

William S. Goertzen, Newton, Kans.

Application May 1, 1939, Serial No. 270,957

4 Claims. (Cl. 43—49)



1. In bobs for fishing lines, a hollow body, a portion of which is transparent and a coat of phosphorus applied to the transparent portion, a line and a removable plug carried by the hollow body, the plug having an apertured extension, a sectionally divided hood to enclose the transparent portion, the sections each being hinged to the body of the bob, and an arm outwardly extending from each section, an apertured disc and a line for each arm, the lines extending through the aperture of the extension and being connected to the disc, and the aperture in said disc to frictionally engage the first said line as actuating means for the second said lines to open the sections, and a spring for each section to close the same when the tension of first said line is released.

2,234,244

RADIO COMMUNICATION SYSTEM

Erich Gossel, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

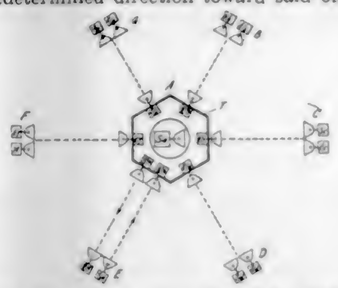
Application March 31, 1938, Serial No. 199,100

In Germany April 8, 1937

4 Claims. (Cl. 250—11)

1. In a two-way directive radio communication system, a central station and a plurality of substations, each substation having one directive transmitter and one directive receiver, the main station comprising a plurality of directive receivers individually directed toward a corresponding substation, a rotary adjustable radio transmitter means common to all stations, directive means for directing radiation from said transmitter means selectively toward any of said substations, rotary adjusting means for said trans-

mitter means, means responsive to a call signal received from one substation for energizing said rotary adjusting means to render said transmitter means and said directive means effective in a predetermined direction toward said one sub-



station, and means responsive to the rotary adjustment of said transmitter means to said predetermined position for de-energizing said rotary adjusting means and arresting further rotary movement of said transmitter means.

2,234,245

METALLIC COMPOSITION

Walter Henry Groombridge and John Edward Newns, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 26, 1938, Serial No. 242,562. In Great Britain December 9, 1937

8 Claims. (Cl. 23—214)

1. Process for the production of a metallic composition suitable for use in the production of hydrogen from steam or water under the influence of heat, said process comprising heating to sintering temperature in a non-reducing atmosphere an intimate mixture of finely divided copper oxide and iron to bring about reduction of copper oxide to cuprous oxide by the iron and subjecting the resulting composition to the action of a reducing atmosphere to reduce the metallic oxides to the corresponding metals.

2,234,246

METALLIC COMPOSITION

Walter Henry Groombridge and John Edward Newns, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 26, 1938, Serial No. 242,563. In Great Britain December 9, 1937

8 Claims. (Cl. 252—257)

1. Process for the production of a substantially non-friable metallic composition useful as a catalyst for the hydrogenation of carbon compounds, which comprises forming a porous structure of an oxide of one heavy metal permeated with, and serving as the support for, the oxide of another heavy metal having a higher affinity for oxygen, by heating an intimate mixture of the second metal with the oxide of the first metal, both oxides being reducible to the respective metals by means of a gaseous reducing agent, and thereafter reducing the resulting composition by means of a gaseous reducing agent.

7. Process for the production of a substantially non-friable metallic composition useful as a catalyst for the hydrogenation of carbon compounds, which comprises forming a porous structure of cuprous oxide permeated with, and serving as the support for, nickel oxide by heating an intimate mixture in substantially equal proportions of nickel with cupric oxide, breaking down the sintered composition to a suitable size and reducing the resulting composition by means of a gaseous reducing agent.

2,234,247

WIRE FABRIC

Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey

Application September 17, 1935, Serial No. 40,898

3 Claims. (Cl. 198—201)



2. A fabric comprising right and left hand coil strands; said right hand coil strands being spirally fed one into another and the left hand coil strands being spirally fed one into another, with the right and left hand coil strands interlacing with one another to prevent separation, and an elevated selvage at the edges of said fabric longitudinally of the same and transversely of the coiled strands making up the same; said selvage comprising short helically twisted wires interlocking with each other and interlocked with a layer of the fabric strands and arranged in parallel relation with respect thereto.

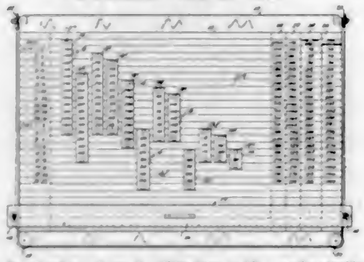
2,234,248

JOB PLANNING DEVICE

Raymond C. Hanford, Aurora, Ohio

Application August 10, 1939, Serial No. 289,458

4 Claims. (Cl. 35—24)



1. A device for facilitating the scheduling of work operations through trial and error procedure in order to distribute the operations entering into a job of work to good advantage over a period of time during which other jobs are being performed, comprising a support member bearing on its surface a series of elongated appropriately designated spaces of uniform width, indicia constituting a time scale registered with said spaces, a plurality of strips each adapted to relate to a given class of work and movably mounted on said support in selected positions at right angles to said spaces, each strip bearing a series of numbers spaced apart the width of said spaces, the combined numbers on a strip being adapted to represent a given quantity of work to be performed and the arrangement of the numbers on the strip being adapted to indicate the order of performance of the different operations, the strips being adapted to be moved individually and selectively longitudinally a distance corresponding to the width of one or more of said horizontal spaces in order to adjust the total work represented by the rows of numbers on said strips to desired amounts approximating the available capacity for each division of the time scale.

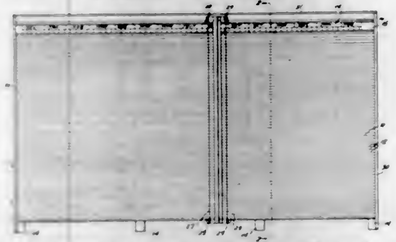
2,234,249

PRODUCTION PLANNING MEANS

Raymond C. Hanford, Aurora, Ohio

Application August 10, 1939, Serial No. 289,459

8 Claims. (Cl. 35—24)



1. A device for use in scheduling the rate and time of performance of the work of a plurality of jobs, comprising a member bearing spaced graduations constituting a time scale adapted to indicate work periods arranged in chronological order, a series of individual elements each bearing indicia adapted to designate selected amounts of work to be performed during different work periods, each element being of a length corresponding to a selected number of graduations of said scale, and each element being selectively located relative to said graduations in a position corresponding to the particular periods during which the amount of work so designated is scheduled to be performed, and supporting means for said elements adapted to removably support the elements in selected relation to said graduations, whereby the work scheduled on the various elements opposite a given graduation on the time scale may be caused to total the available capacity for the time represented by said graduation.

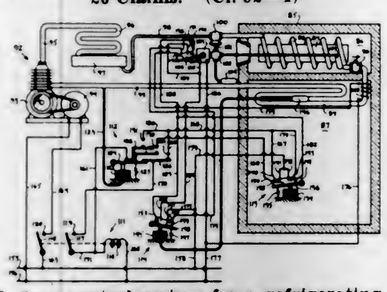
2,234,250

REFRIGERATION CONTROL SYSTEM

John L. Harris, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 3, 1938, Serial No. 243,801

20 Claims. (Cl. 62—4)



5. In a control system for a refrigerating apparatus having a compressor, first and second evaporator means, a high pressure line connecting the compressor and condenser, a liquid line connecting the condenser and the evaporator means and a suction line connecting the evaporator means and the compressor, it being desirable to defrost the second evaporator means and not the first, the combination of, valve means in the liquid line for normally allowing liquid refrigerant to be supplied to the first evaporator means but for turning on and off the supply of liquid refrigerant to the second evaporator means, control means responsive to a temperature condition produced by the second evaporator means for operating the valve means to supply liquid refrigerant to the second evaporator means upon a call for cooling, and means responsive to suction pressure, operative when the valve means is operated to supply liquid refrigerant to the second evaporator means, for starting the compressor only when the suction pressure has increased to a defrosting value and for starting the compressor at a suction pressure below the defrosting value when the valve means is operated to prevent the supply of liquid refrigerant to the second evaporator means.

16. In a refrigerating system, in combination, a plurality of evaporators, a common compressor and condenser for supplying said evaporators with refrigerant, control apparatus for controlling the circulation of refrigerant to the evaporators to normally maintain relatively low temperatures in one evaporator and to supply effective refrigerant to another evaporator only after it has defrosted, said apparatus comprising suction pressure responsive means and an element responsive to a temperature condition produced by said other evaporator, said apparatus being operable to respond to conditions existent when said other evaporator has defrosted for causing circulation of effective refrigerant thereto, circulation of effective refrigerant to said other evaporator always being prevented when it has not defrosted, and said apparatus embodying means controlling circulation of refrigerant to said one evaporator whether frosted or defrosted.

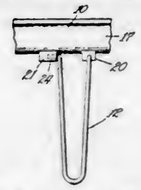
2,234,251

RICER CONSTRUCTION

Samuel Hayden and Barney B. Hayden, Chicago, Ill., assignors to Century Metalcraft Corporation, Chicago, Ill., a corporation of Delaware

Application June 9, 1938, Serial No. 212,737

4 Claims. (Cl. 248—94)



1. In a collar for a colander, a substantially horizontally extending portion, support mounting means depending from said horizontal portion for receiving detachable supporting legs, each of said mounting means embodying a pair of sockets adapted to slidably receive a pair of upper ends of a supporting leg, one of said sockets of each pair being positioned radially of said collar and the other of said sockets being positioned substantially tangentially thereof.

2,234,252

SIZED CLOTH BASE AND PRODUCT MADE THEREWITH

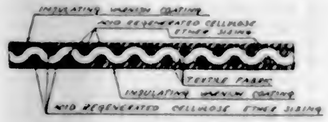
Edward C. Homan, East Orange, N. J., assignor to Irvington Varnish & Insulator Co., Irvington, N. J., a corporation of New Jersey

Application September 22, 1939, Serial No. 296,066

4 Claims. (Cl. 154—2.6)

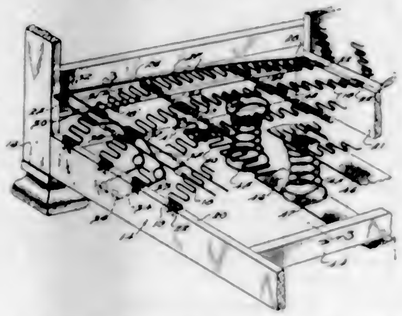
1. A sheet insulation material comprising a

textile fabric base sized by a coagulated cellulose ether deposited as a film on the wrap and



filler yarns thereof, and said sized base having a coating of insulating material.

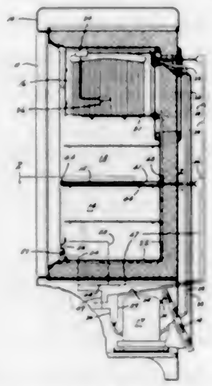
2,234,253
SPRING SUPPORT
Henry Hopkes, Grosse Pointe, Mich., assignor to No-Sag Spring Company, Detroit, Mich., a corporation of Michigan
Application November 9, 1936, Serial No. 109,898
8 Claims. (Cl. 155—179)



6. A spring structure including, in combination two pairs of spaced frame members, arcuately disposed spring elements connected to one pair of frame members forming a top resilient surface which resists downward displacement, spring elements extending across and connected to the other of said frame members at right angles to said first spring elements and forming a bottom resilient surface, and coil springs interconnecting said two spring surfaces.

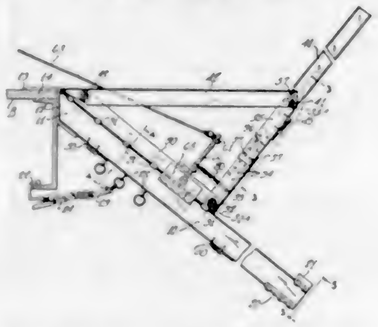
2,234,254
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 22, 1939, Serial No. 280,601
11 Claims. (Cl. 62—89)

1. A refrigerating apparatus comprising in combination, a cabinet having a food storage compartment therein, said compartment being provided with an access opening normally closed by a door, means for cooling said food storage compartment, an ultra-violet lamp associated with said cabinet and adapted to emit its rays into said compartment for treating foods stored therein and for sterilizing air within said compartment, an electric circuit for said lamp associated with said apparatus, means in series with said lamp circuit for limiting the flow of electric current to said lamp, means disposed in parallel circuit relation with said electric circuit and having a connection with a portion of said second named means for modifying the limiting effect thereof to increase the brilliancy of said lamp, said last named means being normally ineffective and rendered effective automatically by movement of said food compartment door, and said lamp having a fluorescent material on a part



thereof for causing same to produce an illuminating effect within said compartment during the time the brilliancy of said lamp is increased.

2,234,255
LOAD TRANSFER APPARATUS
Claude H. Hunsaker, University City, Mo.
Application April 9, 1938, Serial No. 201,033
7 Claims. (Cl. 214—100)



1. In a load supporting chair for a gravity-operated load-transfer appliance, a substantially L-shaped chair frame, a load-supporting structure connecting the legs of the frame and pivoted thereto, means associated with one leg of the frame permitting adjustment of the length thereof by extension of the leg, said adjustment means coacting with pivotal connection of the load support, to enable an adjustment of angularity of the load support with respect to the legs of the frame.

2,234,256
PEN FILLING INK BOTTLE
Richard Frederick Iverson, New York, N. Y.
Application June 10, 1940, Serial No. 339,613
14 Claims. (Cl. 226—63)

1. A filling bottle for fountain pens comprising a one piece reservoir and attaching neck formed of plastic material, the reservoir having integral thin flexible sides and the neck having an interiorly threaded upper end and a seat for engagement with the lower end of a fountain pen

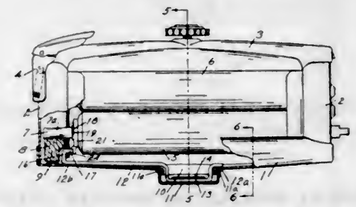


upon screwing the pen into the threaded upper end of the neck.

2,234,257
BRAKE
Sylvester F. Karst and Florian F. Manor, Oshkosh, Wis., assignors of one-third to Thomas W. Meiklejohn, Fond du Lac, Wis.
Application December 27, 1938, Serial No. 247,892
11 Claims. (Cl. 188—78)

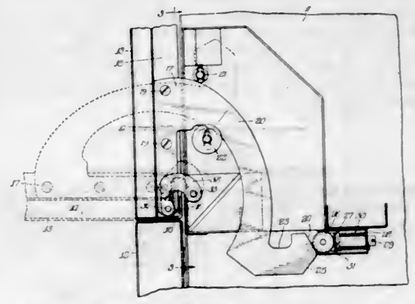
1. In a brake of the character described: a rotatable brake drum; a pair of brake shoes inside the drum and having braking surfaces engageable with the inner face of the drum; means loosely holding said brake shoes in position and permitting movement thereof toward and from each other; means for yieldingly drawing the brake shoes toward each other; means for positively moving the brake shoes away from each other at one end; means operable by motion of said ends of the brake shoes away from each other for effecting a corresponding movement apart between the opposite ends of the brake shoes; and an automatically adjustable spacer for limiting movement of the brake shoes toward each other to at all times maintain a predetermined clearance between the braking surfaces of the shoes and drums, said adjustable spacer comprising two complementary members, and a connection therebetween allowing movement of said members apart but preventing movement thereof toward each other.

2,234,258
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 7, 1938, Serial No. 233,835
12 Claims. (Cl. 68—254)



1. In a wringer, having a frame having a base, rolls mounted in the frame, one of said rolls and a reversing water deflector on the base; the combination with one of said rolls and its shaft and the deflector of means mounted on a roll shaft comprising a friction plate in frictional engagement with the roll end; devices on the roll shaft exerting pressure on the plate; and a connection between the friction plate and the deflector reversing the deflector with a reversal of the rolls.

2,234,259
DOOR CONSTRUCTION
William D. Kelly, Western Springs, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application January 23, 1939, Serial No. 252,330
6 Claims. (Cl. 20—16)

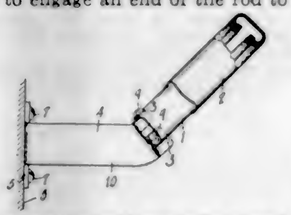


1. Support construction for swinging doors comprising a link pivotally connected to the door adjacent one edge thereof and connected to fixed door supporting structure, a guide arm rigidly connected to an intermediate portion of the door, and guide means associated with the lower side of the arm for lifting movement of the arm and door during the opening of the door.

2,234,260
EXTENSION CURTAIN ROD
Guy W. Kirsch, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application September 15, 1938, Serial No. 229,987
11 Claims. (Cl. 156—22)

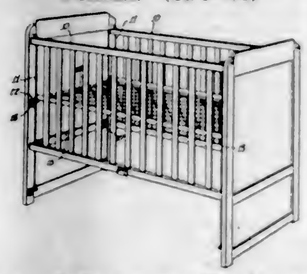
7. In a curtain rod having a pair of brackets adapted to be attached to a window casing, each bracket having a base and a free end, a bowed

rod, and fastening means on the free end of each bracket to engage an end of the rod to hold said



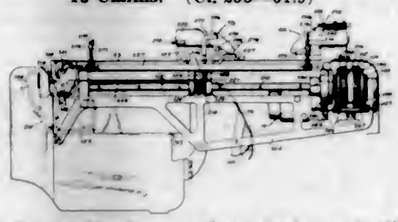
rod in outwardly and upwardly bowed relationship to said brackets.

2,234,261
TWO-WAY SPRING FOR INFANTS' CRIBS
Samuel Kroll and Nathan J. Kroll, Chicago, Ill.
Application June 19, 1939, Serial No. 279,780
2 Claims. (Cl. 5—93)



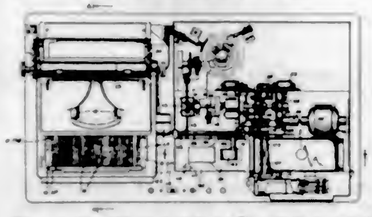
1. In a crib having movable side walls with guide means and rigidifying brackets therefor arranged at four corners of the crib, the combination with said guide rigidifying brackets of a mattress spring including a frame provided with swiveled supporting members at four corners thereof and each movable from an ineffective retracted position beneath the frame into position for suporting engagement with said guide rigidifying brackets.

2,234,262
SHEET FEEDING MEANS
Clair D. Lake, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 11, 1936, Serial No. 84,676
13 Claims. (Cl. 235—61.9)



1. In combination; a sheet feeder, actuating mechanism therefor, a circuit, electrical means rendered effective under control of said circuit when closed for effecting actuation of the feeder by the actuating mechanism, a controller having spaced circuit enabling portions and intermediate the latter having circuit disabling portions, a device driven concomitantly with the feeder for successively cooperating with said portions, and means controlled by cooperation of the aforesaid device with an enabling portion of the controller for closing said circuit to cause the electrical means to render the actuating mechanism effective to drive the sheet feeder and the aforesaid device until the latter moves into cooperation with the following circuit disabling portion of the controller.

2,234,263
DATA CHECKING MEANS
Clair D. Lake, Binghamton, and Francis E. Hamilton, Endicott, N. Y., assignors to International Business Machines Corp., New York, N. Y., a corporation of New York
Original application August 31, 1938, Serial No. 227,784. Divided and this application June 14, 1939, Serial No. 279,014
13 Claims. (Cl. 197—20)



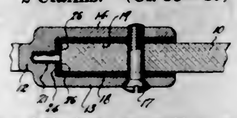
1. In combination, typing elements operable to type items in succession, means controlled by item designations for selecting and causing operation of the typing elements to type the corresponding items, selectively conditionable checking means including means responsive to the item designations and means responsive to operation of the typing elements acting in conjunction to determine different conditions of the checking means, one corresponding to agreement and another to non-agreement between the item designations and the operation of the elements in typing the items under control of the designations, and means effective under control of the checking means, when in the latter condition, for interrupting control of the typing elements by the first-named means according to the designations.

2,234,264
CORE DRILL
Charles Eugene Lang, Houston, Tex.
Application November 21, 1938, Serial No. 241,509
13 Claims. (Cl. 255—72)



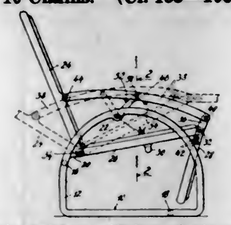
1. A drill including a drill stem; a drill bit connected to the lower end of said drill stem and having a central bore; a core cutter head movable upwardly and downwardly in said bore and having core cutting teeth on its lower end; and a core barrel in said cutter head to receive the core cut thereby; said core barrel being movable downwardly in said drill stem into said cutter head and being movable upwardly through said drill stem from said cutter head.

2,234,265
OPHTHALMIC MOUNTING
Bert J. Lowres, East Orange, N. J.
Application April 11, 1940, Serial No. 329,042
2 Claims. (Cl. 88—47)



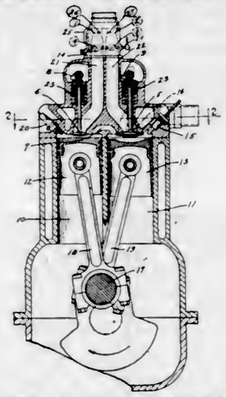
1. In an ophthalmic mounting, a strap device having a butt portion and laterally spaced arms angularly extending therefrom to receive a lens therebetween, a stud extending perpendicularly from the inner face plane of said butt portion intermediate the arms of said strap device, a cushioning insert comprising a composite structure consisting of a thin substantially rigid but bendable non-resilient backing plate and a facing layer of soft resiliently compressible material supportedly adhered thereto, said insert being bent to conform to and overlie the inner surfaces of said strap device arms and so as to provide a back portion to lie contiguous to the inner face of said strap device butt portion with the facing layer presented to oppose a lens received in said strap device, said back portion having an opening through which said stud extends, and the free end of said stud being upset to provide a lateral keeper flange flattened home in holding relation to said insert and in countersunk imbedded relation to and below the surface of the facing layer of the latter whereby a firmly compressed portion thereof lies intermediate said flange and the backing plate.

2,234,266
ADJUSTABLE RECLINING CHAIR
Hans Luckhardt, Berlin-Dahlem, and Anton Lorenz, Berlin-Schoneberg, Germany
Application April 1, 1939, Serial No. 265,386
In Yugoslavia and Egypt April 9, 1938
10 Claims. (Cl. 155—106)



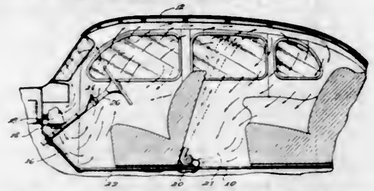
1. An adjustable reclining chair comprising: a support, a back-rest, a seat, a leg-rest, said seat extending between said back-rest and said leg-rest and being pivoted thereto, connecting link-means, one connecting link-means being arranged on each side of the chair, each of said connecting link-means including a short extension of the leg-rest; and a long link hingedly connected with each other, the free end of said long link being pivoted to an intermediate point of the back-rest above the pivot point between the back-rest and the seat, said back-rest said seat and said connecting link-means forming a polygonal structure having unequal sides, one point of said polygonal structure being pivoted to said support, and guiding links, one guiding link being arranged on each side of the chair, one end of each of said guiding links being pivoted to said support at a point above the seat, the other end of each of said guiding links being pivoted to said polygonal structure.

2,234,267
INTERNAL COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application May 26, 1939, Serial No. 275,937
3 Claims. (Cl. 123—53)



1. In an engine having two cylinders and reciprocating pistons therein, the said cylinders and pistons cooperating to define two combustion chambers, a communication between the two combustion chambers which is open continuously, separate intake manifolds connected to the intake ports of each of the cylinders, a fuel carburetor connected to at least one of said manifolds, intake valves for said intake ports, and throttle valves for said intake manifolds, the said throttle valve, intake manifold, and intake port and valve for the one cylinder being coordinated in operation and size with the intake manifold, throttle valve, intake port and valve of the other cylinder whereby the pressure in the combustion chambers of both cylinders are maintained approximately equal during the intake and compression strokes of the pistons.

2,234,268
AUTOMOBILE HEATING SYSTEM
Henry J. De N. McCollum, Evanston, Ill.
Application April 6, 1938, Serial No. 200,318
5 Claims. (Cl. 237—28)



2. The method of heating a closed passenger vehicle compartment provided with a transverse substantially vertical wall which interferes materially with the free circulation of air between

the two portions of the compartment which comprises, heating the air in one portion of said compartment and permitting heated air to flow by convection toward the second portion of the said compartment into the space adjacent the top of said compartment, drawing relatively cool air from the space adjacent the bottom of said second portion of said compartment, and ejecting the air thus withdrawn upwardly in a forceful stream so as to cause said air to admix with and displace the warm air supplied by said heater.

3. In a system for heating the passenger compartment of a sedan type automobile having backs for the front seats which substantially obstruct free circulation of air along the lower portion of the compartment comprising, a heater located in the portion of the compartment forwardly of the front seat and supplying heat sufficient to raise all of the air in said compartment to a comfortable temperature, a conduit having an inlet positioned adjacent the floor of the vehicle at a point between the back of the front seat and the rear seat and having an outlet adjacent the top of the compartment, and means for causing circulation of air through said conduit.

2,234,269

METHOD OF EXTRACTING SULPHUR

Dan McDonald, Santa Monica, Calif.

No Drawing. Application July 25, 1938, Serial No. 221,191

10 Claims. (Cl. 23—228)

1. In extracting sulphur from sulphur-bearing material, the steps of: heating the material and perchlorethylene to at least the melting point of sulphur and until substantially all of the sulphur has melted, separating the resulting sulphur-bearing solution from residual material, agitating the solution with a cooling medium which is appreciably below atmospheric temperature so as to reduce the solution to approximately atmospheric temperature, separating the resulting crystallized sulphur from residual liquid, and distilling residual perchlorethylene from the crystallized sulphur under partial vacuum so as to vaporize the perchlorethylene at a temperature below the melting point of sulphur.

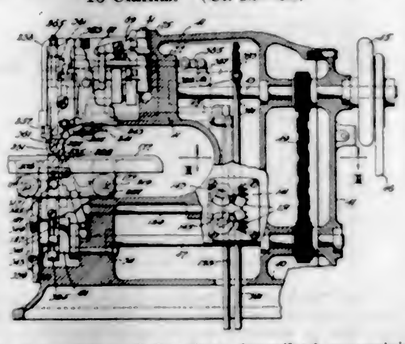
2,234,270

FOLDING MACHINE

James E. McIntire, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application March 6, 1939, Serial No. 259,940

18 Claims. (Cl. 12—54)



1. A machine of the class described comprising in combination, a work-support over which the work is fed, fold-forming means, and fold-pressing means, said fold-pressing means being supported from above the work-support for movement in a curved path about an axis located beneath the level of the surface of the work-support.

2,234,271

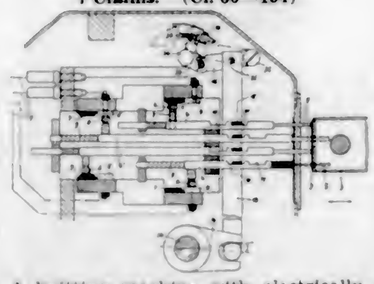
KNITTING MACHINE WITH ELECTRICALLY CONTROLLED PARTS

Volkhart Walter Mehnert, Siegmar-Schonau, Germany, assignor to the firm Elite-Diamantwerke Aktiengesellschaft, Siegmar-Schonau, Germany, a company of Germany

Application February 26, 1938, Serial No. 192,700

In Germany February 27, 1937

7 Claims. (Cl. 66—154)



1. A knitting machine with electrically controlled parts, comprising, a main drive, a plurality of magnets, each of said magnets being connected to one of said parts, a plurality of displaceable lifting wires electrically connected to said magnets for controlling same, a jacquard mechanism, said jacquard mechanism being connected to said main drive and being movable against said displaceable lifting wires for adjusting same, and a switch arranged in the electrical connection between said lifting wires and said magnets for a temporary interruption of said electrical connection during the adjustment of said lifting wires.

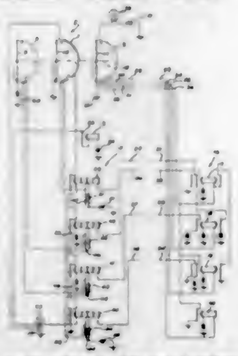
2,234,272

TESTING CIRCUIT

Edward B. Morrow, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 12, 1939, Serial No. 283,953

9 Claims. (Cl. 179—175.2)



1. An apparatus for testing telephone switching units comprising a series of differential relays, a switch for normally energizing the secondary windings of said relays, a selector switch operable under control of said relays for supplying potential to various parts of the unit under test and for selectively supplying potential to short circuit the secondary windings of said differential relays, and a plurality of leads extending to the unit under test for energizing the primary windings of said relays in a predetermined order.

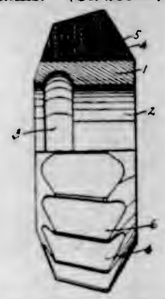
2,234,273

ROCK BIT CUTTER

John V. Pennington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex,. a corporation of Texas

Application February 19, 1940, Serial No. 319,737

6 Claims. (Cl. 255—71)



1. A toothed roller cutter for drill bits comprising a core, a plurality of disc-like laminations of relatively soft, tough material surrounding said core, each of said laminations having a portion adjacent said core of a greater thickness than the remainder of the lamination and providing a seat for an intermediate disc-like lamination, an intermediate disc-like lamination of relatively harder material on each of said seats, all of said laminations being secured together to provide a cutting part having alternate portions of relatively soft, tough material and of relatively harder cutting material and axially extending teeth formed on the outer periphery of the disc-like laminations.

2,234,274

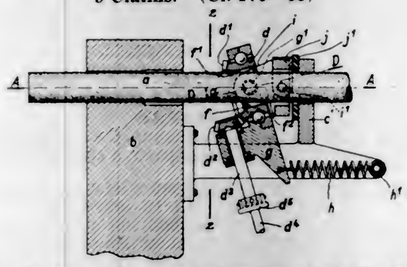
ELECTRODE FEEDING MECHANISM FOR ARC LAMPS

Karl Prinz, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany

Application April 26, 1939, Serial No. 270,149

In Germany May 2, 1938

5 Claims. (Cl. 176—55)



1. In an arc lamp, a holder for an electrode, a feeding mechanism for said electrode, said feeding mechanism having an annular wheel provided with a central orifice containing said electrode, said annular wheel feeding said electrode through said holder, the said annular wheel being eccentric to the axis of said electrode, and the axis of said annular wheel crossing said axis at an acute angle, a bearing body for said annular wheel, said bearing body being mounted for rotation about an axis intersecting the axis of said annular wheel and the axis of said electrode at right angles, a spring fixed to said bearing body and to said electrode holder to effect a rotation of said bearing body about the axis of rotation of same and to maintain the contact of the two edges of the interior surface of said annular wheel with said electrode.

2,234,275

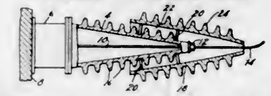
INSULATOR BUSHING

Joseph Rebhan, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 21, 1940, Serial No. 341,632

In Germany March 8, 1939

5 Claims. (Cl. 174—152)



5. The combination with an insulating bushing having creepage flanges on its exterior surface and mounted on an electrical apparatus casing to provide a passage for a high voltage conductor therethrough, a sleeve of ceramic insulating material surrounding a portion of said bushing and extending beyond the free end thereof to increase the insulation about said conductor, and means including a member engaging said bushing between longitudinally adjacent flanges for securing said sleeve to said bushing in spaced relationship thereto with a continuous air gap therebetween.

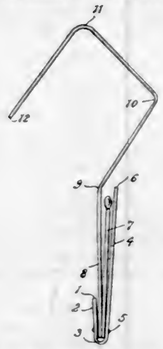
2,234,276

MATCH BOOK

Frederick J. Redcliffe, New York, N. Y.

Application February 24, 1940, Serial No. 320,549

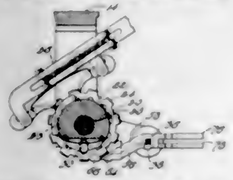
2 Claims. (Cl. 206—29)



1. A match book comprising, a match comb, a U-shaped base cover portion comprising an upturned front retaining flap and an upturned back retaining flap, the match comb being disposed between said retaining flaps, a fastening element extending through said flaps and through the match comb, an advertising cover strip of substantially four times the length of the match comb, said cover strip having one end held by the fastening element between the match comb

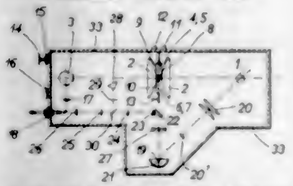
and one of said flaps and foldable transversely at spaced points to provide four panels of substantially the length of the match comb, said cover strip when in folded closed position overlying the match comb and having one folded portion disposed between the match comb and one of said flaps and the free end thereof disposed between the match comb and the other of said flaps.

2,234,277
MARKING MACHINE
Frank W. Reinhold and Charles E. Edwards, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 3, 1938, Serial No. 211,505
9 Claims. (Cl. 101—110)



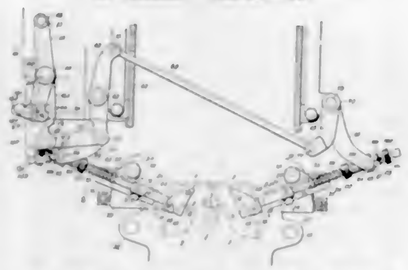
1. A marking head comprising a frame, type wheels rotatably mounted on said frame, said wheels having marking characters thereon thereby providing a line of marking characters, and auxiliary type units supported in cooperative relation with the type wheels, each of said units being of substantially the same width as one of the type wheels and comprising a plurality of nested members having marking characters thereon disposed in line spaced relation to one another and to the row of characters on the marking wheels whereby additional lines of marking are provided.

2,234,278
TRICHROMATIC COLORIMETER
Manfred Richter, Berlin, Germany, assignor to the firm of Carl Zeiss, Jena, Germany
Application October 7, 1938, Serial No. 233,798
In Germany October 15, 1937
2 Claims. (Cl. 88—14)



1. A trichromatic colorimeter, having a housing, said housing containing a device for comparing two colors, a holder for a test piece the color of which is to be measured, a device for the dispersing of light, an illumination device adapted to direct light in separate light paths to said test piece and said light dispersing device, means adapted to direct to said comparison device light emanating from the test piece and said light dispersing device, a device for changing the color of the light directed to said light dispersing device, said changing device comprising two colored and a white filter and three adjustable diaphragm slides, each of said diaphragm slides being coordinated to one of said three filters and adapted to change the free aperture of the respective filter, said two colored filters being exchangeable and said white filter being stationary in said housing, means for adjustment of said three diaphragm slides, indicating devices for indicating the positions of said three diaphragm slides, said white filter consisting of two equal parts displaced relatively to each other in the direction of displacement of the corresponding diaphragm slide, said corresponding slide being so constructed as to cover in its medial position both said white-filter parts and as to permit light to pass through part of the cross-sectional area of the one or the other white-filter part even when displaced very slightly from this medial position in the one sense or the other and that to equal displacements of the slide from its medial position in the one or the other sense correspond the same free cross-sectional areas of the two white-filter parts, and means coordinated to the one of said white-filter parts, said means being adapted to disperse the light having traversed said one part and to admix this light to the light emanating from the test piece.

2,234,279
LASTING MACHINE
Fred Ricks and John William Pratt, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 27, 1939, Serial No. 281,406
In Great Britain September 2, 1938
21 Claims. (Cl. 12—14)

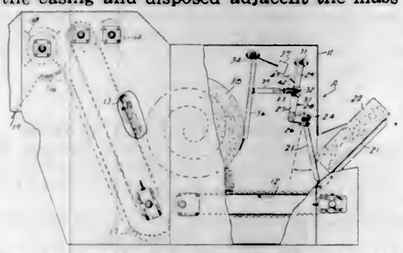


1. In a lasting machine, wipers for pressing an upper inwardly against a last and wiping it heightwise of the last around the end and along the sides of the toe, and additional wipers arranged to act on the same portions of the upper as said first-named wipers at the sides only of the toe to press the upper inwardly against the last and wipe it heightwise of the last at the time when said first-named wipers are thus acting on the upper, said additional wipers being arranged to engage the upper in locations nearer the edge of the last bottom than the first-named wipers.

2,234,280
FEEDER FOR TEXTILE PREPARING MACHINERY
Alvin T. Roberts, Jr., Columbus, Ga., assignor to Lummus Cotton Gin Company, a corporation of Georgia
Application February 12, 1940, Serial No. 318,443
7 Claims. (Cl. 19—69)

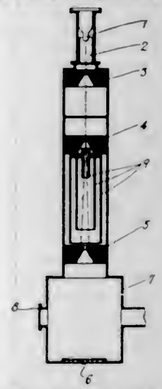
1. In a cotton feeder embodying a casing having a side opening, a horizontally disposed feed apron and a spiked upwardly inclined cleaning and loosening apron in the casing disposed to receive cotton from the feed apron, a door pivotally mounted to hang downwardly in front of the opening and controlling the entry of cotton into the casing, a downwardly inclined slide in front

of the door for receiving a slab of cotton to enter the casing when needed, a pivoted feeler member in the casing and disposed adjacent the mass of



cotton being acted upon by the aprons, and a link and toggle mechanism connecting the feeler with the door to control the opening and closing thereof.

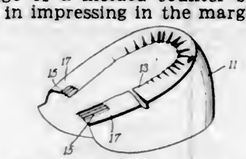
2,234,281
SHIELDED ELECTRON MICROSCOPE
Ernst Ruska, Berlin-Spandau, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application February 4, 1939, Serial No. 254,534
In Germany February 10, 1938
6 Claims. (Cl. 250—160)



1. In an electron microscope having a vacuum vessel, means in said vessel for directing an electron beam on an object, and an electron-optical lens system comprising an objective lens and a projection lens for producing a magnified image of said object, in combination, a structure arranged in said vessel and composed of several ferrometallic cylinders for protecting said beam from disturbances by extraneous magnetic fields, said cylinders being arranged one within the other concentrically to one another and to the optical axis of said system and extending between said objective lens and said projection lens.

2,234,282
COUNTER STIFFENER AND ITS MANUFACTURE
Arthur L. Russell, Boston, and William M. Watson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 5, 1938, Serial No. 243,996
7 Claims. (Cl. 12—146)

6. The method of treating the inturned attaching flange of a molded counter stiffener which consists in impressing in the margins of the end

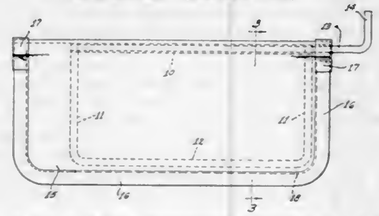


portions of said flange a plurality of indentations to render a considerable portion pliable widthwise at any desirable locality.

2,234,283
NEW INSOLUBLE AZO DYESTUFFS
Kenneth Herbert Saunders, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 29, 1939, Serial No. 264,838. In Great Britain April 1, 1938
9 Claims. (Cl. 8—46)

1. The process which comprises diazotizing an ether of a 1-amino-2:5-di(beta-hydroxyethoxy)-benzeneazophenol in which the ether radical is one of a group consisting of alkoxy, benzyloxy and phenoxy and together with benzene is substituted by at least one of a group consisting of hydrogen, methyl and chloro radicals; and coupling on cellulosic fiber with an arylamide of an acyl acetic acid.

2,234,284
VISOR
Albert J. Schoenheit, Detroit, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of United States
Application July 28, 1939, Serial No. 287,107
2 Claims. (Cl. 296—97)



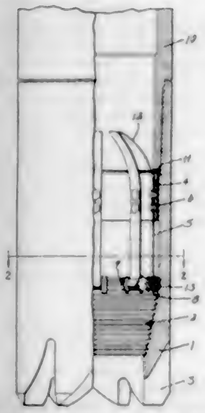
1. A glare shield structure comprising, a supporting rod, a frame having a tube receiving said rod, said frame being movably adjustable about the longitudinal axis of said rod, and a hollow panel enclosing said frame and surrounding said rod, said panel being movable with said frame about the longitudinal axis of said rod, said panel also being shiftable relative to said frame longitudinally of said rod and limited in movement by engagement with the opposite ends of said panel.

2,234,285
TREATMENT OF NATURAL WATERS
William B. Schworm and August V. Graf, St. Louis, Mo.
No Drawing. Application April 2, 1937, Serial No. 134,526
4 Claims. (Cl. 210—23)

1. In a process of water purification the step which comprises coagulating the impurities in the water by treatment with a combination of a soluble sulphate and a substantial quantity of an alkali metal silicate in minor proportion, the

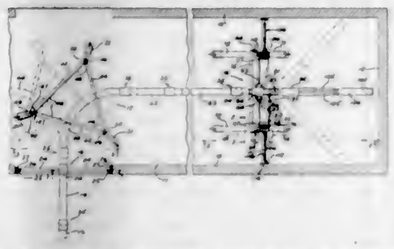
soluble sulphate being selected from a group consisting of iron and aluminum sulphates, wherein a prepared composition consisting of a mixture of the solutions of the sulphate and silicate without additional acid is added to the water to be treated.

2,234,286
CORE CATCHER
John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application February 29, 1940, Serial No. 321,432
4 Claims. (Cl. 255—72)



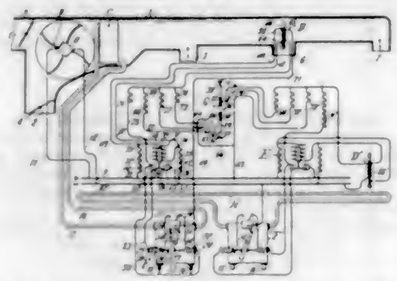
1. A hollow core cutting head having a tapering shoulder on the inner surface thereof, the surface of said shoulder tapering toward the cutting edge of the hollow head and toward the axis thereof, said shoulder having a plurality of axially spaced circumferentially extending grooves in the surface thereof, a core catcher sleeve rotatably and axially slideably mounted within said hollow head, said core catcher sleeve having a plurality of flexible arms mounted thereon and extending substantially in an axial direction relative to the hollow head, and a plurality of toothed rollers carried by said flexible arms below the sleeve and meshing with the circumferential grooves in the surfaces of said tapering shoulder.

2,234,287
MATERIAL HANDLING APPARATUS
Charles L. Sluyter, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 14, 1938, Serial No. 229,923
6 Claims. (Cl. 104—92)



1. A material handling apparatus, a monorail whereon material may be carried, a wheeled carriage for supporting a section of said monorail, a boom mounted on the carriage for pivotally supporting a part of said monorail on said carriage, and means for bracing said carriage in a vehicle during the loading of said vehicle with said material.

2,234,288
TEMPERATURE CONTROL SYSTEM
William M. Smith and Timothy J. Lehane, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application September 20, 1937, Serial No. 164,780
5 Claims. (Cl. 236—68)



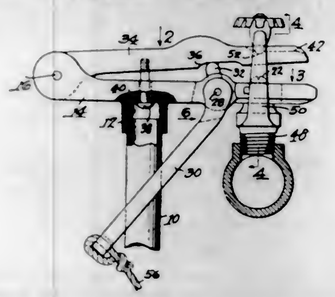
1. In combination, means to transmit heat to a body of air, a valve controlling the flow of heating medium to the transmitting means, means for momentarily opening and immediately thereafter closing this valve comprising a thermostat responding to temperature changes in the body of air and functioning to open the valve whenever this temperature falls below a predetermined minimum, an electric heating element associated with the thermostat, an energizing circuit for the heating element, manually operable variable resistance means in said circuit for determining the amount of auxiliary heat normally applied to the thermostat and thereby determining the value of the minimum temperature at which the thermostat functions, and means automatically operated simultaneously with the opening of the valve for immediately decreasing the resistance in the circuit while the valve is open and restoring the resistance to its manually set value while the valve is closed whereby the auxiliary heat will be greatly increased only while the valve is open.

2,234,289
ELECTRICAL HEATER AND RESISTANCE
Dwight Tenney, Verona, N. J.
Application May 4, 1939, Serial No. 271,725
8 Claims. (Cl. 201—74)



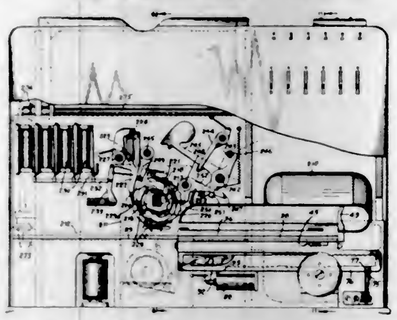
1. The method of forming an electrical resistor which comprises the steps of slitting transversely a bar of flexible conducting material at a plurality of spaced apart points along the length of the bar across a portion of it width, bending the bar to dispose the slitted and continuous portions substantially at right angles to each other and bending the continuous portion with the slitted portion extending outwardly.

2,234,290
SPRINKLER HEAD SHUTOFF DEVICE
Joseph D. Tessler, Worcester, Mass.
Application August 11, 1939, Serial No. 289,646
7 Claims. (Cl. 169—1)



5. In an apparatus of the class described, a pair of arms pivoted together at one end, means intermediate the ends of the arms to urge them apart, means to limit this movement, a loosely mounted rounded element on the outside surface of one arm adjacent its free end, an undercut slot extending from said element to the free end of said arm, a groove extending from the free end of the other arm on its outer surface and ending in a depression, stop lugs on one arm on its outer edges but adjacent the rounded element longitudinally of the arm, and a handle attached to one arm.

2,234,291
PRINTING MECHANISM
Torkel Edwin Torkelson, Baldwin, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application November 11, 1937, Serial No. 173,975. **Divided and this application February 15, 1939, Serial No. 256,526**
9 Claims. (Cl. 197—124)



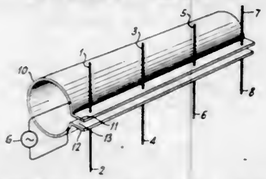
1. In a printing machine having printing means for printing upon a selected printing line from a selected group of printing lines, a plurality of similar line selecting devices, one for each group of lines, and each, when rendered effective, for positioning a selected line in a related group of lines to said printing means, means for controlling said line selecting devices for determining the line to be positioned to said printing means, and means for selecting the line selecting device to be rendered effective to thereby cause the latter to position a selected line of the group related to the line selecting device which is rendered effective to said printing means.

2,234,292
BRAUN TUBE
Wolfram Uhlmann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 31, 1938, Serial No. 199,172
In Germany March 31, 1937
3 Claims. (Cl. 250—27.5)



1. The method of manufacturing photo-electric screens which comprise applying a layer of quartz to a conductive plate by evaporation and then applying to this layer of quartz a layer of electric charge storing material.

2,234,293
ANTENNA SYSTEM
George Lindley Usselman, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 19, 1939, Serial No. 295,566
19 Claims. (Cl. 250—11)

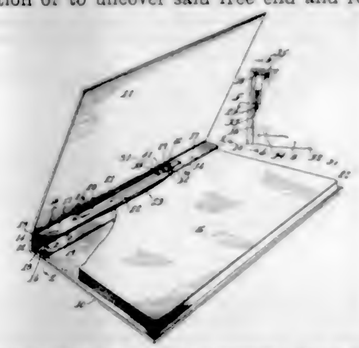


1. Means for coupling a dipole antenna array to a transmission line comprising an electrically conducting tubular member extending the length of said array and forming a substantially closed channel for the transmission of electromagnetic flux from one end to the other, the transverse dimensions of said member being so proportioned that resonance occurs at the operating frequency of said antenna array, said dipoles being coupled to said member at points of maximum oscillating potential.

2,234,294
LOOSE-LEAF BINDER
Sheldon Van Buren, Chicago, Ill.
Application July 29, 1940, Serial No. 348,147
9 Claims. (Cl. 129—35)

5. A loose-leaf holder comprising an open-sided receptacle in the form of a channel and adapted to be secured in a folder, said receptacle adapted to receive the marginal portions of the sheets to be held and having a top portion with a confined longitudinal slot and guide rails, a normally bowed spring clamping element having an angular end riveted through one side of the receptacle beyond the one end of the slot and having an angular portion adapted to swing freely through a small arc beneath the said side of the receptacle and an angular free end with the intermediate bowed portion movable through the slot and extending down in clamping relation toward the other side of the receptacle and the sheets in said receptacle, and a movable member mounted on the guide rails at the slot to move over the free end of the clamping element in the

area of the slot to hold the element in clamping position or to uncover said free end and release



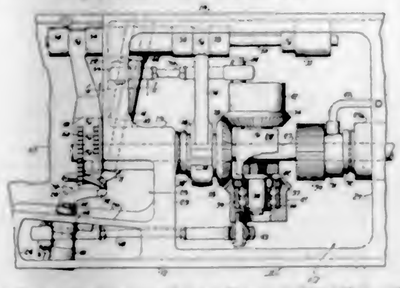
the element for upward movement through the slot out of clamping relation with the sheets.

2,234,295

SEWING MACHINE

Nathan Waldman and Emeric Polimac, Chicago, Ill., assignors to George I. Goldwyn and Herman Goldwyn, both of Chicago, Ill., copartners doing business under name and style of Goldwyn Brothers

Application May 16, 1939, Serial No. 273,960
4 Claims. (Cl. 112—162)



1. In a sewing machine, the combination of a casing, a shaft in said casing and journalled at its ends in upright portions thereof, an upright boss in said casing in which said shaft is journalled, a bevel gear fixed to said shaft adjacent said boss, a rockable looper and loop spreader arranged outside of said casing for cooperating with the needle of the sewing machine in forming stitches, rock shafts for the looper and the loop spreader respectively arranged in the casing, other bevel gears arranged on said boss and meshing with and driven by said first mentioned bevel gear, means carried by said boss and upon which said other bevel gears are journalled, and means operatively connecting said rock shafts to said other bevel gears and translating the rotation of said other bevel gears into rocking movement of said rock shafts.

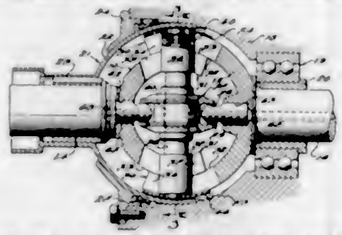
2,234,296

CONSTANT VELOCITY UNIVERSAL JOINT

Hans Wollner, Detroit, Mich., assignor to Universal Products Co., Inc., Dearborn, Mich., a corporation of Delaware

Application July 1, 1937, Serial No. 151,473
15 Claims. (Cl. 64—21)

1. In a constant velocity universal joint, external and internal members having interengaging internal and external spherical surface portions, respectively, for universally connecting the members together, a trunnion element forming the driving connection between said members, the external member also having an external spherical surface concentric with the center of the joint, means connected to the trunnion and



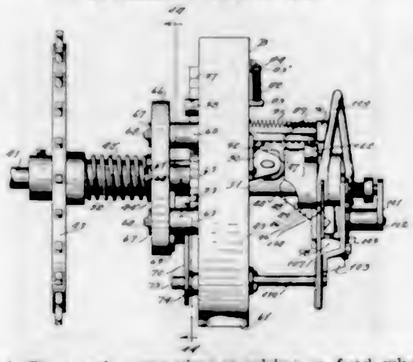
engaging said last mentioned external spherical surface for maintaining the axis of the trunnion in a line extending through the center of the joint, and means for maintaining the angles between the axis of the trunnion and the axes of said members equal to each other as the members oscillate with respect to each other about the center of the joint.

2,234,297

WEB CONVEYING MACHINE

George C. Beidler, Rochester, N. Y.

Original application November 30, 1937, Serial No. 177,350. Divided and this application August 18, 1939, Serial No. 290,900
10 Claims. (Cl. 271—2.3)



1. In a web conveying machine, a feed wheel having a periphery engaged by film which it feeds, a member transversely reciprocable in the said feed wheel, a finger supported on said member at one side of the wheel, the said finger extending transversely of the wheel, a rack on the said member, a pinion engaging the rack, means for operating the pinion to move the rack in one direction, and resilient means for imparting movement to the rack in the opposite direction.

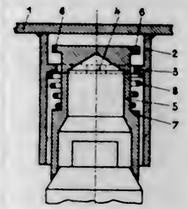
2,234,298

WICK CAP SECURING DEVICE FOR PYROPHORIC LIGHTERS

Léon Bolle, Geneva, Switzerland, assignor to La Nationale S. A., Geneva, Switzerland, a corporation of Switzerland

Application June 26, 1939, Serial No. 281,245
In Switzerland November 18, 1938
7 Claims. (Cl. 67—4.1)

1. In a pyrophoric lighter, the combination with a cover pivotally mounted on the lighter and a wick holder, of a pair of members constituting sealing and snuffer means for the wick, one of said members constituting guide means on the cover and projecting downwardly therefrom normally to surround the wick holder, and the other of said members constituting a cap located in said guide means, said guide and cap each being



provided with one of the parts of a bayonet joint device, a compression spring mounted between a portion of the guide and portion of said cap, said spring tending to force the cap from the guide and when in closed position pressing it constantly against a portion of the wick holder, said spring having a resistance to twisting thereby preventing angular movement between the guide and the cap.

2,234,299

AUXILIARY BICYCLE SEAT

William Christy, Pontiac, Mich.

Application October 1, 1938, Serial No. 232,699
4 Claims. (Cl. 155—5.12)



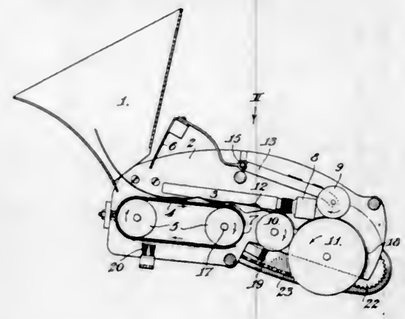
4. An attachment for a bicycle frame comprising a U-shaped sheet metal member having depending leg portions of channel section, a pair of sheet metal members of channel section telescopically mounted relative to said leg portions, means adjustably fixing said last named members relative to said leg portions, means mounting said members on said frame, said last named means including a substantially rigid bracing structure connected to said U-shaped member adjacent the base thereof, a supporting means attached to said U-shaped member adjacent the base thereof, and a member of resilient material disposed within the base of said U-shaped sheet metal member, said last named member having downwardly and outwardly sloping walls on the under surface thereof.

2,234,300

BOBBIN-CLEANING APPARATUS FOR USE ON AUTOMATIC WEFT REPLENISHING BOBBIN-CHANGING LOOMS

David Clough and Oswald Bowness Blackburn, Morley, near Leeds, England, assignors of one-third to Henry Lister & Sons Limited, Pudsey, Yorkshire, England

Application October 10, 1938, Serial No. 234,308
In Great Britain October 15, 1937
8 Claims. (Cl. 28—19)



1. Apparatus for automatically cleaning or removing the residue of yarn left on a bobbin after discharge from an automatic weft-replenishing bobbin-changing loom, comprising, a cleaner receiving chute into which the yarn carrying bobbin falls and is discharged base foremost, an endless web for receiving the bobbin, a pair of oppositely rotating rolls adjacent the discharge end of the said web, a cam actuated rock shaft, arms extending in opposite directions substantially radially of said shaft, a stop member carried by one of said arms and in engagement with the last one of the pair of rolls for temporarily arresting the movement of the bobbin by engaging the base thereof, yarn gripping means carried by the other of said arms and adapted to be moved down into engagement with the surface of the web to grip the trailing yarn as said stop member is lifted and said bobbin is discharged from the apparatus, the loose yarn unwound from the bobbin in the zone of said rolls being gripped thereby and completely pulled from the bobbin and also pulled therethrough from the web.

2,234,301

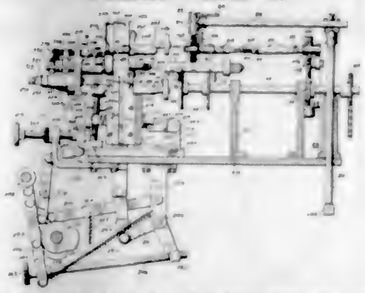
PRODUCTION OF FAST DYEINGS AND PRINTINGS BY MEANS OF ESTER SALTS OF LEUCO VAT-DYESTUFFS

Georges de Niederhäusern, Erich Escher, and Christian Hofmann, Basel, Switzerland, assignors to the firm Durand & Huguenin S. A., Basel, Switzerland

No Drawing. Application February 24, 1938, Serial No. 192,426. In Germany March 1, 1937
8 Claims. (Cl. 8—35)

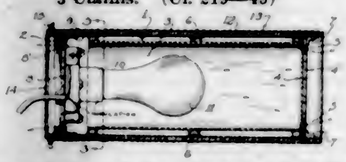
1. A process for dyeing or printing with ester salts of leuco vat-dyestuffs, wherein the dyeing or print is developed by acid oxidation in the presence of a protective substance, which is easily converted by oxidation into a compound of the quinone series, selected from the group consisting of aromatic polyoxy-, amino-oxy, sulphonated and carboxylated aromatic polyoxy- and amino-oxy compounds.

2,234,302
APPARATUS FOR FORMING INNER THREADS ON CONTAINERS
Jakob Dichter, Berlin-Schoneberg, Germany
Application December 7, 1936, Serial No. 114,525
In Germany December 11, 1935
7 Claims. (Cl. 49—7)



6. In a machine of the class described, means for supporting and rotating a glass tube, means for heating an end of said tube, a threading tool, a carriage supporting said tool rotatively therein, means on said carriage for moving said tool axially into and out of the heated end of the tube, means providing limited lost motion axially of the tool between said tool and said carriage, a pair of rollers supported on said carriage and movable oppositely towards each other to contract the heated end of the tube about said tool, and means for arresting rotation of said tool as it begins its movement out of the tube to unthread the tube from the tool.

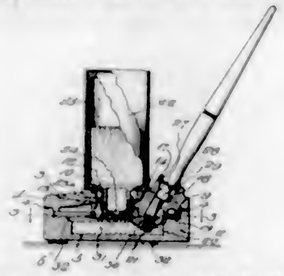
2,234,303
HEAT RADIATING DEVICE
Frank Clyde Gray, Los Angeles, Calif., assignor to Max Mitchell, Los Angeles, Calif.
Application November 22, 1937, Serial No. 175,894
3 Claims. (Cl. 219—45)



2. In a device of the character described, a cylindrical metal shell open at both ends and having inwardly directed crimp means adjacent each end, an inner metallic shell spaced inwardly from the outer shell by insulating legs and including one integral and perforated end closure, an insulating shell encasing the outer metal shell, an insulating ring abutting the inner shell end closure and the inner portion of the crimp means at the adjacent end of the device, and an insulating carrier plate yieldably retained within the other end crimp means and supporting a heating means projecting into the inner shell and a thermostatic control for said heating means.

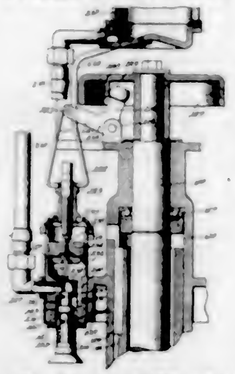
2,234,304
DESK SET
Carey G. Gregory, Los Angeles, Calif.
Original application June 10, 1938, Serial No. 213,056. Divided and this application October 21, 1939, Serial No. 300,635
9 Claims. (Cl. 120—59)

1. A desk set comprising an ink bottle, a pair of circular coacting, coextensive and connected sections constituting a substantially cylindrical base, one of said sections being internally recessed centrally of said section for receiving a pool of ink and the other of said sections being centrally screw threaded for receiving said ink



bottle in inverted position, and a pen guide in said last mentioned section for directing a dip pen into the pool of ink in said first mentioned section, said set being substantially balanced on the vertical axis of said substantially cylindrical base.

2,234,305
FILLING HEAD
George J. Huntley and Robert J. Stewart, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application May 15, 1933, Serial No. 671,266. Divided and this application February 15, 1935, Serial No. 6,720. Renewed February 15, 1939
4 Claims. (Cl. 226—103)

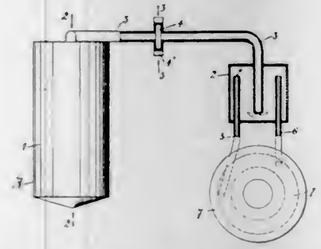


1. The combination in a filling head including a measuring chamber, of a member in the chamber movable upwardly to permit liquid to flow into the chamber, and adjustable means threaded in the chamber to limit the upward movement of the member, the last named means including a micrometric adjustment.

3. In a filling head, a liquid measuring chamber, a valve chamber communicating with the measuring chamber, the valve chamber including vertical axial bores extending from the upper and lower ends thereof and an annular seating surface surrounding each of the bores within the valve chamber, a double-faced disc valve of less diameter than the valve chamber reciprocable in the valve chamber and having axial extensions of reduced diameter projecting from its opposite

surfaces and into the respective bores, a cage member on the axial extension within the upper vertical bore to provide for flow between said bore and the valve chamber, the lower axial extension having a passage therethrough opening from one side wall thereof at a point spaced from the valve disc and extending to its free end, a filling nozzle on the free end of the last-mentioned axial extension, the upper bore of the valve chamber being in communication with a source of liquid, said cage element and the side wall opening of the lowermost axial extension being so spaced with respect to the length of the valve chamber that movement of the disc valve toward one end of the valve chamber will cause flow through the passage in the corresponding extension to terminate and the disc valve to subsequently seat substantially simultaneously with the beginning of flow through the opposite extension.

2,234,306
REFRIGERATOR
Othmar Jurasek, Vienna, Germany
Application December 3, 1938, Serial No. 243,850
In Germany June 23, 1938
4 Claims. (Cl. 62—120)

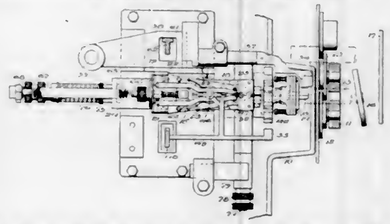


1. A periodically acting absorption refrigerator, comprising a boiler-absorber, a condenser-evaporator, a water separator interposed between and communicating through a pipe with said boiler-absorber and condenser-evaporator, an expanded portion forming a chamber in the communicating pipe between said boiler-absorber and said water separator, an inclined tube in said boiler-absorber, a nozzle on the end of said communicating pipe discharging into said tube, and a nozzle tube in said boiler-absorber, said nozzle tube being so arranged that its nozzle end discharges into the said tube while its other end lies above the surface of the liquid in the boiler-absorber when the refrigerator is in the cooling position.

2,234,307
DELUSTERED ARTIFICIAL SILK AND THE METHOD OF MANUFACTURING SAME
Julius Kantorowicz, New York, N. Y.; now by judicial change of name Julius Kent, assignor to Kent Chemical Corporation, a corporation of Delaware
No Drawing. Application March 8, 1938, Serial No. 194,599
6 Claims. (Cl. 106—40)

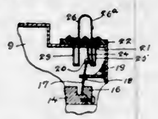
1. An artificial silk material of reduced luster, having incorporated therein a ground cellulosic material which has been rendered brittle by heating with aqueous formaldehyde and mineral acid followed by drying and characterized by substantial freedom from swelling on wetting with water.

2,234,308
VIAL NECKING MACHINE
Robert H. Koenig, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application December 22, 1938, Serial No. 247,282
8 Claims. (Cl. 49—25)



1. In a vial necking machine, a die having a threaded bore for forming threads on the vial neck exteriorly of the neck, an expansible plug adapted to be inserted into the mouth of the vial neck and adapted to shape the interior of the neck, means for rotating the die, means for expanding said plug radially outward with respect to said threaded bore, and means for actuating said expanding means, said actuating means being engageable with the die rotating means after the plug has been expanded to arrest rotation of the die.

2,234,309
AUTOMATIC SPEED SIGNAL DEVICE
Edward J. Kromholz, Rockford, Ill.
Application August 9, 1938, Serial No. 223,924
1 Claim. (Cl. 200—80)

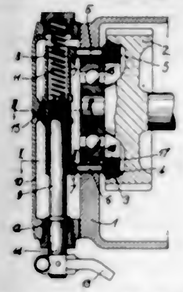


In combination, a housing, a driven shaft mounted within said housing, a plurality of switch blades mounted on said housing and insulated therefrom, said switch blades insulated and spaced relative to each other, a governor mounted on said shaft and responsive to the speed of the latter, a switch blade actuating member carried by the governor and operated thereby for selective engagement with said switch blades whereby to close and break electric circuits, and a bracket fixed to said housing and formed with a slot slidably receiving said member and coacting with the latter to preclude rotation of said member with respect to said blades when actuated by said governor.

2,234,310
BRAKING DEVICE FOR MOTOR VEHICLE TRANSMISSIONS
Karl Maybach, Friedrichshafen, Bodensee, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany
Application April 4, 1938, Serial No. 200,001
In Germany May 3, 1937
16 Claims. (Cl. 188—71)

1. A braking device comprising a rotary braking element and an opposing non-rotary braking element, one movable axially into engagement with the other, an actuating member rotatable about its longitudinal axis and tiltable about a transverse axis, and a pair of diametrically op-

posed elements for applying braking pressure to circumferentially spaced points of the opposing braking elements under rotation of the actuating



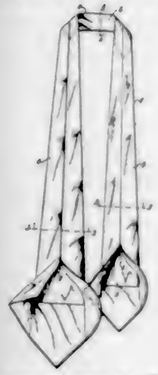
member operably connecting with the actuating member at points equally spaced in opposite longitudinal directions from the tilting axis of the actuating member.

2,234,311
ESTERS OF HYDROXYSTILBENES AND PROCESS OF PREPARING SAME
Karl Miescher, Riehen, and Jules Heer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application September 12, 1939, Serial No. 294,562. In Switzerland September 16, 1938
13 Claims. (Cl. 260—457)

1. Process for the manufacture of new esters of the hydroxystilbene series, comprising treating a hydroxy compound of the stilbene series containing at least one hydrocarbon substituent at the ethylene bridge with an inorganic esterifying agent.

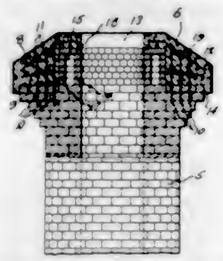
10. The inorganic esters of hydroxystilbenes which contain at least one hydrocarbon substituent at the ethylene bridge.

2,234,312
TIE
Cornell March Miller, Philadelphia, Pa.
Application June 27, 1939, Serial No. 281,369
1 Claim. (Cl. 2—146)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



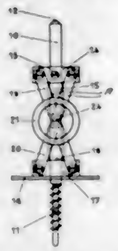
A necktie comprising a flat tubular body portion of resilient material that would ordinarily be crinkled by use having tapered tying end portions and a neck portion, said body portion having its rear edges lapped and loosely stitched together, an interlining of uncrinkled and non-stretchable material having a smooth rubberized surface or the like, conforming to the full width and form of the flat tubular body portion, said interlining extending through the body portion, substantially from end to end and secured to the body portion at its neck portion only, adapted to prevent excessive stretching of the body portion during the tying operation and permit it to slip back on the lining to an unstretched flat and uncrinkled condition when released.

2,234,313
CHIMNEY CAP
Edward C. Mutter, Cumberland, R. I.
Application October 14, 1939, Serial No. 299,553
4 Claims. (Cl. 72—93)



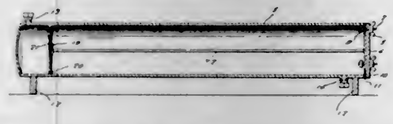
1. In a chimney construction, a member on top of the chimney having an opening in registry with the flue of the chimney, said member also having a dead-air chamber therein surrounding the flue and a concrete cap supported on top of the chimney and surrounding the member, said member separating the cap from the influence of heated gases passing through the flue of the chimney.

2,234,314
CENTRIFUGAL GOVERNOR
Amédée Nicole, Saint-Croix, Switzerland, assignor to Paillard et Cie S. A., Sainte-Croix, Switzerland, a corporation of Switzerland
Application April 20, 1939, Serial No. 269,028
In Switzerland April 22, 1938
8 Claims. (Cl. 264—18)



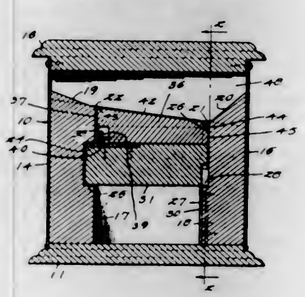
7. In a centrifugal governor, particularly for phonographs, a driving shaft, a fixed collar fixedly carried on said shaft, a slidable riding collar slidably carried on said shaft, and a resilient member formed by a pair of spring blades arranged in the form of a St. Andrew's cross extending between and having its respective ends secured to said collars respectively.

2,234,315
BEER DISPENSING DEVICE
Lee Orr, Alturas, Calif.
Application December 6, 1938, Serial No. 244,245
5 Claims. (Cl. 210—164)



1. A device for disposition with a beer line intermediate the source of supply and a faucet, said device comprising an elongated cylindrical drum provided with an inlet and an outlet and one end of the drum being open, a removable head plate for the open end of the drum, a breaker screen for disposition within said drum, and an elongated rod secured at one end thereof to the screen and at an opposite end thereof to said head plate, said drum adjacent the open end thereof provided internally with apertured lugs, and said head plate being provided with apertures to register with the apertures in said lugs, bolts extending outwardly from the drum through said lugs and the apertures in said head plate, and wing nuts threadedly engaged with the outer ends of said bolts for securing the head plate in position at the open end of the drum.

2,234,316
VENDING MACHINE
Frank Payne, Etowah, Tenn.
Application April 15, 1939, Serial No. 268,032
6 Claims. (Cl. 312—89)

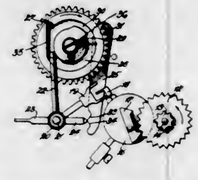


1. In a vending apparatus, a receptacle having a discharge chute, a discharge plate slidably mounted within said receptacle and having a recess communicable with the said discharge chute, an agitator plate arranged in superposed relation with the discharge plate, said agitator plate being supported by but unattached to the said discharge plate and comprising the floor of a hopper containing articles to be vended, said agitator plate having an elongated slot to receive a plurality of articles to be vended and aligning with the recess in the said discharge plate, actuator means connected to the discharge plate and adapted to reciprocate the same independently of the agitator plate to move the recess into and out of register with the discharge chute, and catch means carried by the discharge plate adapted to engage the said agitator plate during the travel of the discharge plate to shake the articles to be vended into the said elongated slot.

2,234,317
PROCESS FOR THE PRODUCTION OF A COATING COMPOSITION
Siegfried Pfeiffer, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application April 14, 1938, Serial No. 202,131
In Switzerland April 21, 1937
6 Claims. (Cl. 260—735)

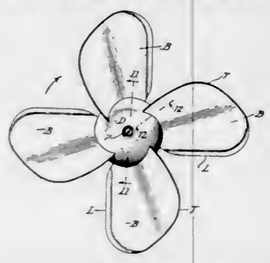
1. In the manufacture of coating compositions on the basis of chlorinated rubber and organic solvents, the step of admixing the said substances with a compound selected from the group consisting of sulphuretted p-toluidine and sulphuretted m-xylidine.

2,234,318
TRANSMITTER
Charles E. Potter, Richmond Heights, and James W. Kendall, St. Louis, Mo.; said Kendall assignor to said Potter
Application July 1, 1940, Serial No. 343,424
7 Claims. (Cl. 177—378)



7. In a transmitter having a spring motor, a code wheel rotated by the motor, and a detent for blocking and releasing the motor, the improvement comprising a cam having a continuous track with notches interposed at selected angular positions rotated by the motor and a cam follower connected with the detent, the cam track having a straight portion, a directional pawl, the directional pawl so cooperating with the straight portion of the continuous cam track through the cam follower that the detent is given a directional urge in opposite directions.

2,234,319
FAN BLADE AND HUB ASSEMBLY
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 3, 1936, Serial No. 103,804
18 Claims. (Cl. 170—173)



1. In an impeller, a single-piece blade member formed of flexible material of generally uniform thickness, the said member comprising a plurality of counterpart and equally spaced blades radiating from a centrally perforated central por-

tion of the blade member; a forwardly convexed dome coaxial with the blade member and having its rear end of larger diameter than the central portion of the blade member, the said dome having counterpart slots extending forwardly into it from the rear end of the dome, the slots spiraling in the same direction rotationally of the said dome; the said slots being equal in number to the said blades, and each blade having a similar portion thereof extending through and engaging the forward end of one of the said slots; a stem member coaxial with and extending forwardly through the central perforation in the blade member and into the dome; and means associated with the said dome and stem for rigidly clamping the dome and the central part of the blade member to the said stem member.

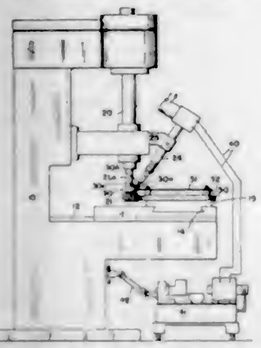
18. In a fan structure, a faring member having slots therein and shaped to the desired pitch angle for the fan blades and a fan blade member having a plurality of flexible blades received in said slots, a cover member for said base of said faring member, a headed element and a screw threaded thereinto, said headed element and said screw extending through said faring member and said cover member and constituting tie means for holding them assembled relative to each other and as a means to retain said fan blades in said slots.

2,234,320

METHOD OF AND MEANS FOR EDGE CUTTING OF SHEET METAL STOCK

Oscar E. Rosen, Detroit, Mich.

Application November 18, 1938, Serial No. 241,112
3 Claims. (Cl. 90—62)



1. A tip for the tracer of a duplicating machine having a milling cutter, consisting of an arcuate element adapted to embrace the shank of said cutter, and having its outer surface in the form of at least a part of a cylinder of substantially the same radius as that of the cutter, there being also means for securing said tip to said tracer.

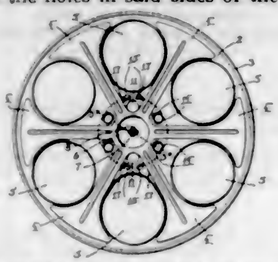
2,234,321

MOVING PICTURE FILM REEL

Wilfrid H. Searjeant, Rochester, N. Y., assignor to Taylor-Shantz Inc., Rochester, N. Y., a corporation of New York

Application February 8, 1938, Serial No. 189,367
7 Claims. (Cl. 242—70)

1. In a reel construction, the combination of a pair of sides having a plurality of holes therethru, a cylindrical sheet metal hub between said sides, tubular ribs on the inside of said hub adjacent the inner surface thereof and extending axially of the hub and beyond the ends thereof; and thru the holes in said sides of the reel with



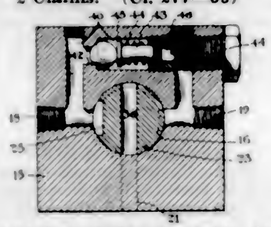
the ends thereof bent over the outer face of the sides of the reel.

2,234,322

CONTROL VALVE MECHANISM FOR SNOW REMOVING MACHINES

Irenee Sicard, Montreal, Quebec, Canada

Application December 1, 1939, Serial No. 307,162
In Canada October 24, 1939
2 Claims. (Cl. 277—53)



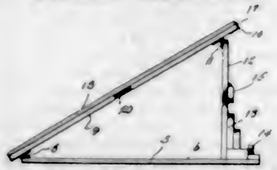
1. In apparatus of the character described a control valve comprising a valve casing having aligned ports in opposite wall portions thereof, a valve plug in said casing provided with a transversely extending port adapted to be aligned with said casing ports, said valve plug being also provided with longitudinally extending T-shaped ports located at opposite sides of the transverse port, said T-shaped ports being arranged so that the T-head portions thereof lie centrally of the ends of the plug and directly opposite each other, said plug being further provided with grooves into which the stems of the T-shaped ports open and further ports formed in said valve casing and communicating with said grooves.

2,234,323

ADJUSTABLE DRAWING BOARD

Onnie D. Stallings, Raleigh, N. C.

Application May 11, 1939, Serial No. 273,076
4 Claims. (Cl. 45—131)



1. In an adjustable drawing board, a lower frame member and an upper frame member each of said frame members including a pair of spaced parallel side members hingedly connected at their front ends, a U-shaped supporting leg pivotally attached at its bight portion at the rear ends of the upper frame member, means

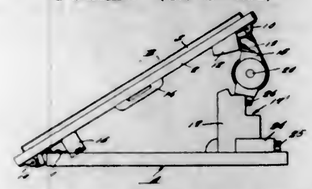
carried at the rear end of said lower frame member for supporting the free end portions of said leg member in a vertically adjusted position, and means for securing said supporting leg to the lower frame member in a position substantially at right angles thereto for utilizing the bight portion of said supporting leg as a hand grip for carrying the board.

2,234,324

PORTABLE ADJUSTABLE DRAWING BOARD

Onnie D. Stallings, Raleigh, N. C.

Application January 6, 1940, Serial No. 312,775
4 Claims. (Cl. 45—131)



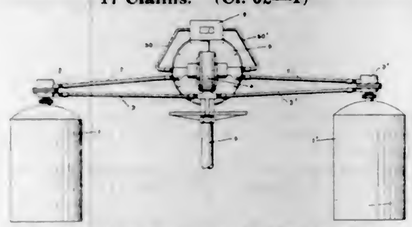
1. A drawing board of the class described comprising a base part, a board part hingedly connected to the base part at one end thereof, clamping wings connected with edge portions of the board, spring hinges for holding the wings in closed position, each wing having a rib on its inner edge and the board having a groove for receiving the rib for clamping the paper over a portion of the board and adjustable means for supporting the other end of the board from the adjacent end of the base.

2,234,325

SUPERLOADING AUTOMATIC CHANGE-OVER DEVICE

Theodore A. St. Clair, Pontiac, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware

Application June 29, 1939, Serial No. 281,968
17 Claims. (Cl. 62—1)



2. A system for storing and utilizing high pressure gas comprising a pair of containers for the gas, a consumer's service line, gas withdrawal conduits connecting the containers to the service line, gas pressure operated means exposed to pressure differential between the gas withdrawal conduits, and valve means operable by the gas pressure operated means to selectively connect one of the containers to the service line while disconnecting the other.

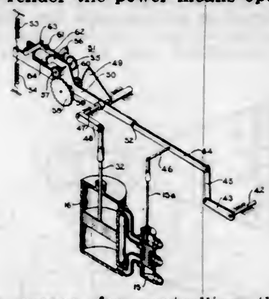
2,234,326

YIELDING FOLLOW-UP CONTROL

Hans-Werner Tiebel, Berlin-Spandau, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application November 9, 1939, Serial No. 303,692
In Germany October 5, 1938
16 Claims. (Cl. 121—41)

1. In apparatus of the type employing a power device having a movable member and control means for the power device, the combination therewith of means for actuating the control means to render the power means operable, es-



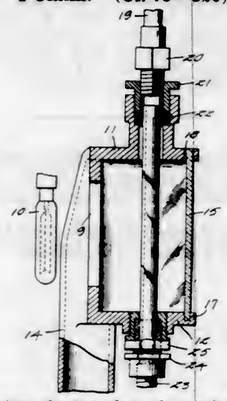
capement means for controlling the return movement of the control means, and resilient means tensionable by the power means for actuating the escapement means.

2,234,327

GLASS GAUGE PROTECTOR

Theodore Wise, Pittsburgh, Pa.

Application May 29, 1939, Serial No. 276,449
1 Claim. (Cl. 73—326)



A protector device for the tube of a water gauge, comprising in combination, a casing member adapted to surround the tube provided with a slotted opening in the back wall thereof, means for removably attaching said tube within said casing, the front wall of said casing having a semi-cylindrical shaped glass enclosure member removably held in slots formed in the top and bottom walls thereof, and means attached to one side wall of said casing having communication with the interior thereof for exhausting steam and the like from within said casing, said means comprising a tube affixed to the top and bottom walls of said casing and depending downwardly therefrom, said tube being hollow and having communication with the entire length of said casing.

2,234,328

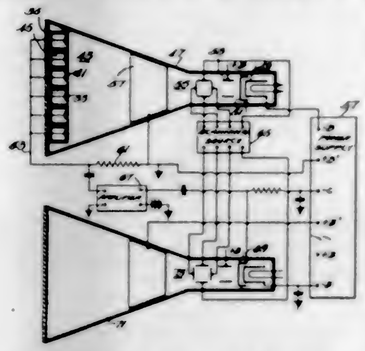
RADIANT ENERGY RECEIVING DEVICE

Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 24, 1937, Serial No. 165,456
10 Claims. (Cl. 178—6.8)

1. A heat receiver responsive to rays in the

far end of the infra red spectrum including, in combination, means for receiving and transmitting heat of wave lengths of the order of 5 microns and upwards, a plurality of capacitor elements charged to substantially the same potential during non-scanning periods and responsive to said transmitted heat by changes in their



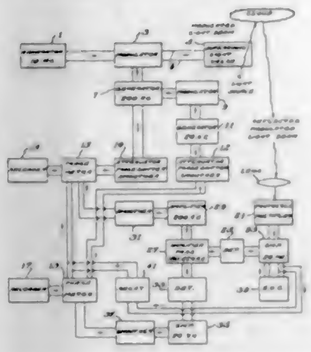
capacity, means including an electronic scanning beam for scanning said capacitors to produce electron currents which vary as each of said capacitor elements vary in capacity, and means for making the effect of said electron currents in each of said plurality of means separately visible to thereby form an image.

2,234,329

DISTANCE DETERMINING DEVICE

Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 29, 1939, Serial No. 297,093
19 Claims. (Cl. 250—1)



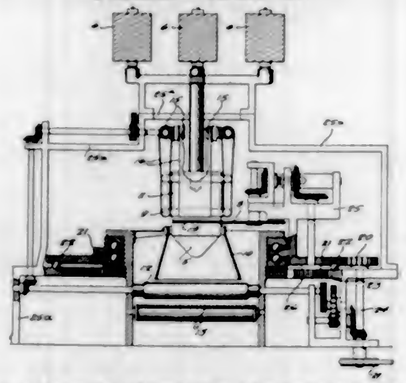
1. A distance measuring device including, in combination, a light source, means for propagating light from said source toward a light reflecting object whose distance is to be measured, means coupled to said light source for modulating the outgoing light, a receiver for receiving modulated light reflected from said object, a phase meter for indicating said distance as a function of the relative phases of the outgoing and incoming modulated light, and means effectively connecting said phase meter to said receiver and to said modulating means.

2,234,330

METHOD OF PRODUCING EXTENSIBLE SLIVERS OR ROVINGS AND MEANS THEREFOR

Walther Zetzsche and Franz Schiele, Premnitz, and Georg Ludwig, Rathenow, and Wolf Rodenacker and Emil Baumann, Wolfen, Kreis Bitterfeld, and Richard Hartmuth, Dessau, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

Application December 7, 1938, Serial No. 244,426
In Germany December 9, 1937
4 Claims. (Cl. 164—17)



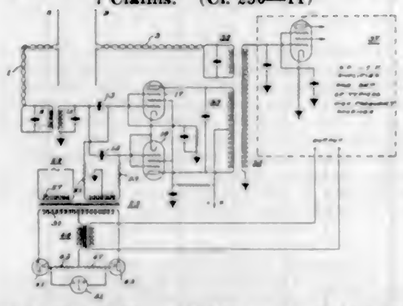
1. A method of producing an extensible sliver or roving of rayon staple fibers, which comprises forming a tube-like assembly of a sliver of continuous rayon fibers, continuously passing said assembly in its longitudinal direction over a core having a round cross section, cutting said assembly by means of a knife rotating around said core, withdrawing said assembly from said core thereby effecting a helical cut in said tube-like assembly, and flattening said tube-like assembly to form an extensible flat sliver or roving.

2,234,331

ULTRA HIGH FREQUENCY RADIO DIRECTION FINDING

Donald S. Bond, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application July 27, 1938, Serial No. 221,488
7 Claims. (Cl. 250—11)



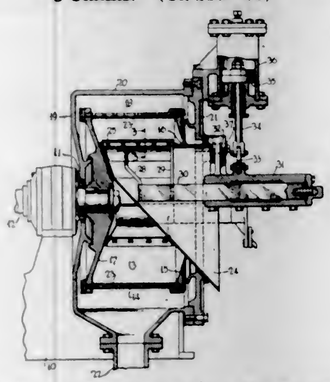
1. A radio direction finder for ultra short wave lengths including in combination a pair of dipole antennas arranged opposite and parallel to each other and spaced apart a substantial fraction of said ultra short wave length, means for alternately reversing the phase of the currents from one of said antennas, means for combining said last mentioned currents with the currents from the other of said antennas, means for demodulating said combined currents, and means for indicating the phase of said demodulated currents as a function of the phase of said reversing means to thus indicate the angle between the fronts of said radio waves and said antennas.

2,234,332

CENTRIFUGAL SEPARATOR

Nathaniel Brewer, Cleveland, Ohio, assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware

Application September 6, 1939, Serial No. 293,551
3 Claims. (Cl. 210—70)



1. In a centrifugal separator, the combination comprising, a centrifugal rotor, means for rotating said rotor to effect dehydration of solids fed thereto and accumulation of a bed of dehydrated solids within said rotor, a dislodging tool mounted within said rotor for movement into and away from solids dislodging position alternately, and means for moving said dislodging tool to and from solids dislodging position, said last-named means comprising, a shaft secured to said dislodging tool, said shaft extending to the exterior of said rotor, a pivoted arm secured to said shaft, and mounted for movement with said shaft to control the movement of said shaft about the fulcrum of said pivoted arm, and fluid pressure means secured to said shaft and adapted to effect movement of said shaft alternately toward the circumferential wall of the rotor and away from the circumferential wall of the rotor.

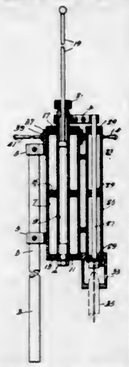
2,234,333

DEMOUNTABLE ANTENNA

George H. Brown, Haddonfield, Jess Epstein, Camden, and Robert F. Lewis, Runnemede, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application February 23, 1939, Serial No. 257,988
7 Claims. (Cl. 250—33)

1. An antenna device including, in combination, a quarter wave concentric line comprising inner and outer conductors, said inner and outer conductors being connected together at one end, an antenna conductor, means connecting the other end of said inner conductor to said antenna conductor, a second quarter wave concentric line comprising inner and outer conductors, one terminal of the inner conductor of said second line being connected to said antenna conductor at its base, the other terminal of the inner conductor and the outer conductor of said second line being arranged for connection to a transmission line, and means for grounding said outer conductors.

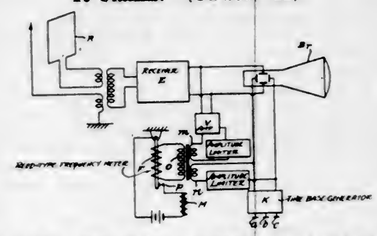


2,234,334

IMPULSE METHOD OF DIRECTION FINDING

Kurt Dziewior, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 27, 1938, Serial No. 210,521
In Germany June 2, 1937
10 Claims. (Cl. 250—11)



1. In a direction finding system which includes a plurality of impulse transmitters having the same carrier frequency and different impulse frequencies and a receiver having a cathode ray indicator and a time base generator, the method of operation which includes the steps of receiving pulses from one of said transmitters, applying said impulses and currents from the time base generator to synchronize the frequency of the time base generator to the pulse frequency of the received signals, and applying the thus synchronized time base generator currents to said cathode ray indicator to provide a cathode ray sweep synchronized with said received pulses.

2,234,335

COMBINATION SPACER AND FORM SUPPORT

Hubert H. Echterling, East Chicago, Ind.

Application May 31, 1938, Serial No. 210,806
3 Claims. (Cl. 25—131.5)

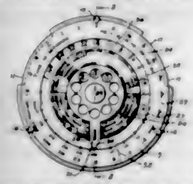
1. A combination spacer and form support comprising a substantially inverted U-shaped member, a contact member secured to each vertical portion of said U-shaped member intermediate the ends thereof, outwardly projecting contacting members at the upper end of each vertical portion, said contacting member being adapted to engage the expanded upper portion

of a joist, and an L-shaped hasp hingedly secured to the lower end of each vertical portion of said U-shaped member, the extremity of said



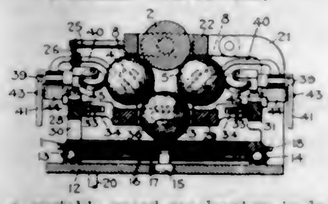
L-shaped hasp being turned to engage and grip the lower portion of a joist on the outside thereof in respect to the said U-shaped member.

2,234,336
EXTINCTION TYPE EXPOSURE METER
William H. Edmunds, Denver, Colo.
Application April 11, 1939, Serial No. 267,288
4 Claims. (Cl. 88—23)



1. In an instrument of the character described, a base having a plurality of sight openings arranged in angularly spaced relation at equal distances from a center point, a plate movable about the center point and provided with openings spaced and positioned to register with the openings in the base, a photometric wedge carried by the movable plate, portions of said wedge of progressively different transparencies being brought into position in the sight openings when the movable plate is rotated relative to the base, a ring rotatably attached to the base, in concentric position relative to the movable member, said ring having a scale indicating emulsion speeds, and means for interconnecting the ring and the movable member for simultaneous rotary movement, the ring and base having cooperating scales indicating stops and shutter speeds.

2,234,337
VARIABLE SPEED DEVICE
Alois Essex, Ridgewood, and Elliott P. Ross, Forest Hills, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application May 15, 1940, Serial No. 335,230
8 Claims. (Cl. 74—198)



1. In a variable speed mechanism including a driving element, a driven element and a plurality of spherical members therebetween adapted to transmit motion from the driving element to the driven element, one of the members being in contact with the driving element and a pair of the members being in symmetrical contact with the said one member and the driven element, means for translating the members relative to the elements, a guide roller for each of said pair of members, each of said rollers being in contact with and being adjustable in position relative to its respective member, and means for adjusting the positions of the rollers in accordance with the translation of the members relative to the elements, whereby true rolling contacts between the respective rollers and members are maintained.

2,234,338
ARTICLE AND PROCESS OF MAKING THE SAME
Edward P. Franke, Baltimore, Md., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application April 10, 1939, Serial No. 267,006
8 Claims. (Cl. 41—10)



7. The process of making a decorative material comprising directing flexible strands into contact with the opposite faces of a web of flexible material, positively advancing the web in advance of the point of twisting the web and strands at a greater rate than the strands, twisting the strands and web together and positively advancing the strands and web during twisting, the rate of advance of the web relative to the strands prior to the point of twisting being such as to cause the web to be from 5 to 20 times as long as the strands.

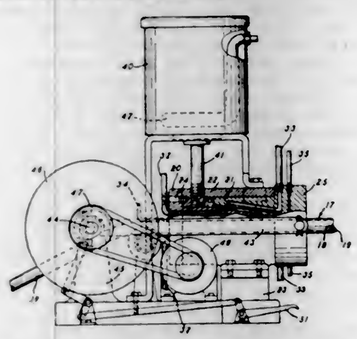
2,234,339
IDENTIFICATION DEVICE
Heinrich Franke, Berlin-Charlottenburg, Germany, assignor to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany
Application July 15, 1939, Serial No. 284,799
In Germany July 16, 1938
1 Claim. (Cl. 250—67)



A device for identifying photographs of luminous screens, said device comprising a casing having two portions, one of said portions receiving an identification card; and a mirror carried by said portion to reflect light from said identification card; the other one of said portions comprising a flange enclosing an opening formed in said casing for transmitting light reflected by said mirror to a light-sensitive layer.

2,234,340
METHOD OF AND APPARATUS FOR FORMING METAL
Randall Gillis, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1939, Serial No. 308,031
14 Claims. (Cl. 29—33)

1. The method of forming material which comprises the steps of advancing molten material in a continuous elongated body, cooling the advancing body to convert the material thereof progressively from fluid to plastic to solid, and simultaneously forging that part of the progressively cooled material in which the change from fluid to plastic to solid is proceeding.



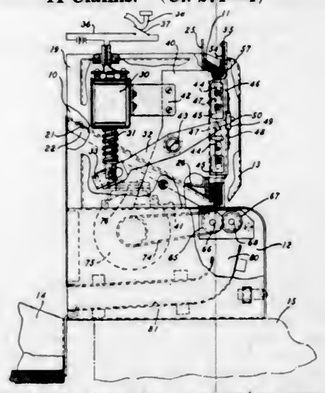
6. In an apparatus for forming material, a mold having side walls and an open end, means to supply molten material to be formed to the mold to pass therethrough and out through the open end, means to control the temperature of the side walls to progressively cool material passing through the mold from fluid to plastic to solid, and means to pulsingly vary the distance between two side walls of the mold to forge material passing therebetween while the change from fluid to plastic to solid is proceeding.

2,234,341
DATA-REVEALING DEVICE
Isidore Goldner, Brooklyn, N. Y.
Application October 10, 1939, Serial No. 298,744
10 Claims. (Cl. 273—161)



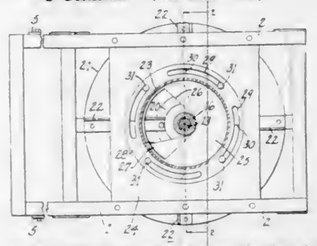
1. A data-revealing device including in combination, a "master" card, at least a first set and a second set of different indicia upon the face thereof, a first and second set of further cards, the individual cards of each set being adapted to be superimposed upon said "master" card, indicia formed on cards of the first set corresponding to some of the indicia of the first set on the "master" card, indicia formed on the cards of the second set corresponding to some of the indicia of the second set on the "master" card, means associated with the individual cards of the first set to reveal only a portion of the related indicia of the first set on the "master" card and all of the indicia of the second set on the "master" card, and means associated with the individual cards of the second set to reveal only a portion of the related indicia of the second set on the "master" card and all of the indicia of the first set on the "master" card, whereby predetermined data on said "master" card will be displayed through the individual cards.

2,234,342
ARTICLE HANDLING APPARATUS
Robert H. Goodell, Maplewood, and Carl W. Roser, Irvington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1939, Serial No. 259,926
11 Claims. (Cl. 271—4)



1. An article handling apparatus comprising means to support a plurality of cards of predetermined dimensions, an element having a projection positioned to engage the cards when of the predetermined dimensions and a projection positioned to engage cards varying from the predetermined dimensions, and means to actuate the element to eject the cards.

2,234,343
DISTRIBUTING MACHINE
George R. Harrington, Kalamazoo, Mich., assignor to Blood Brothers Machine Company, Allegan, Mich.
Application August 8, 1938, Serial No. 223,670
3 Claims. (Cl. 275—15)

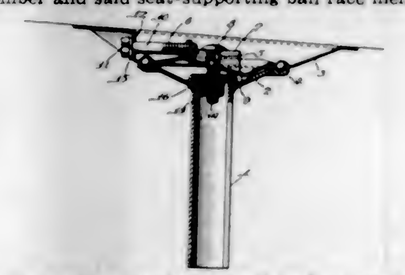


3. In a distributing machine of the type described, a frame, a hopper rotatably mounted on the frame, and a valve plate rotatably mounted on the frame, said hopper and valve plate having openings therein adjustable relative to the frame and to one another by rotation of the hopper and valve plate to control the amount and positioning of the discharge from the hopper.

2,234,344
SWIVEL SEAT CONSTRUCTION
Albert R. Hedges, Chicago, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois
Application October 4, 1939, Serial No. 297,792
4 Claims. (Cl. 155—95)

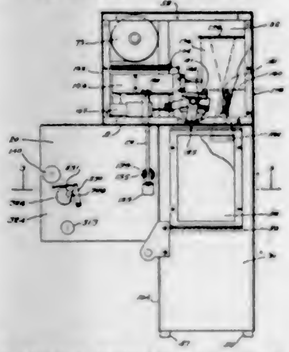
1. A ball bearing swivel seat construction com-

prising a supporting post, a ball race member secured thereto, a seat-supporting ball race member cooperating with said first ball race member, balls in the raceways, a headed tension member coaxial with said ball race members for securing said ball race members together, and means acting between the head of said headed member and said seat-supporting ball race mem-



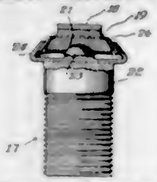
ber for exerting tension on said tension member and movable with respect to the head of said member for drawing the ball race members toward each other, said seat supporting member having a peripheral seat-supporting portion and a depressed portion forming a recess in which said tension-exerting means are located, and means extending through the wall of said recess for moving said tension-exerting means.

2,234,345
CAMERA
Samuel Hershberg, Brooklyn, N. Y.
Application August 27, 1937, Serial No. 161,300
13 Claims. (Cl. 95—42)



1. In a camera assembly: a camera chamber; a lens having an optical axis projecting into said chamber and thereby adapted to cast a stationary picture image into said chamber; a focal surface having sensitized photographic material thereon, said focal surface being positioned with respect to said chamber that an imaginary first perpendicular erected from said surface into the chamber will form a first angle with relation to said axis; a stationary viewing screen, positioned with respect to said chamber that an imaginary second perpendicular erected from a surface of said screen into the camera chamber will form a second angle with relation to said axis; a plane exposing reflector movable in its own plane, said plane being disposed with relation to said axis and said first perpendicular that a third perpendicular erected from the active surface of the exposing reflector will substantially bisect the first angle; the extent of the movement of the exposing reflector being such that in one position thereof the exposing reflector may reflect onto the sensitized material on the focal surface a stationary image cast upon the reflector by the lens, and in another position thereof to lie outside of the field of the image cast by the lens; said exposing reflector while moving from either of said positions to the other position casting a reflection of said stationary image onto the said sensitized material on the focal surface, the area of the image reflected on said sensitized material being in proportion to the amount of the active surface of the exposing reflector in the path of the image from said lens; a plane viewing reflector movable in its own plane, said plane being disposed with relation to said axis and said second perpendicular that a fourth perpendicular erected from the actice surface of the viewing reflector will substantially bisect said second angle; the extent of movement of the viewing reflector being such that in one position thereof the viewing reflector may reflect onto the viewing screen a stationary image cast upon the viewing reflector by the lens, and in another position thereof may lie outside of the field of the image cast by the lens; said viewing reflector while moving from either of said positions to the other position, casting a stationary reflection of said stationary image onto the said viewing screen, the area of the image reflected on said screen being in proportion to the amount of the active surface of the viewing reflector in the path of the image cast by said lens; said exposing and viewing reflector being associated with each other to be mutually displaceable in the camera chamber and thereby having the ability in moving into the camera chamber of reflecting to either the sensitized material or the viewing screen respectively, without any movement or blurring of said image, the proportionate area of said image cast upon either of the reflectors.

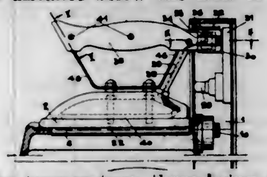
2,234,346
CIRCUIT BREAKER
Clifford E. Ives, Chicago, Ill.
Application March 23, 1938, Serial No. 197,572
14 Claims. (Cl. 200—166)



1. In a circuit breaker, a contact member having a contacting face, an annular shoulder portion and a seat portion, said shoulder portion and seat portion being spherical and generated about a common center, a dished ring lying against said shoulder portion, a support member having a seat with which the seat portion of the contact member is associated, and an annular flange carried by the support member engaging said dished ring to hold said dished ring against said annular shoulder portion whereby to hold said contact member firmly on its seat.

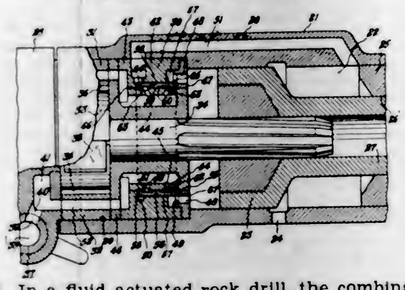
2,234,347
ELECTRIC SMOOTHING IRON AND IN SUPPORT FORMING CURRENT SUPPLY PLUGS FOR SAID IRONS
Jean Lobstein, Paris, France
Application November 15, 1938, Serial No. 240,449
In France November 18, 1937
7 Claims. (Cl. 219—25)

6. In a support forming a current supply outlet for receiving an electric iron having a corresponding plug means fitting the current supply outlet of the support, the combination of a thermostatic contact-breaker on said support including a spirally wound bi-metallic blade placed a very short distance below the iron of which it



controls the temperature, there being a magnet on the support, the outer free end of the spirally wound bi-metallic blade being adapted to come into register with the poles of said magnet which effects a sudden opening and closing of the contacts included in the main circuit.

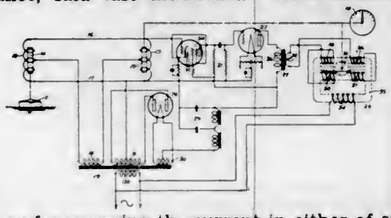
2,234,348
VALVE FOR ROCK DRILLS
Albert R. Mack, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application December 6, 1939, Serial No. 307,727
7 Claims. (Cl. 121—19)



1. In a fluid actuated rock drill, the combination of a casing having a piston chamber and a piston therein, an exhaust port for the piston chamber, a valve chest comprising inner and outer members defining an annular space therebetween forming a valve chamber, inlet passages leading from the valve chamber to the piston chamber, a valve in the valve chamber to control the distribution of pressure fluid to the inlet passages and having internal surfaces to cooperate with one of the members to define channels for conveying pressure fluid to the inlet passages, passages in one of the members for introducing pressure fluid from supply into the channels, and shoulders on the valve subjected to the pressure fluid issuing from the last mentioned passages for throwing the valve.

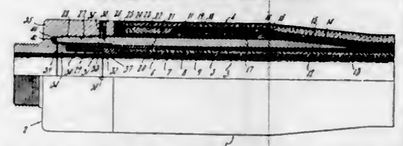
2,234,349
MOTOR CONTROL APPARATUS
John R. MacKay, West Caldwell, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application April 17, 1936, Serial No. 74,895
1 Claim. (Cl. 172—239)

In combination with an alternating current motor comprising a stator and a rotor and two sets of opposed shading coils, one set tending to induce rotation of the rotor in one direction and the other set tending to induce rotation of the rotor in the other direction, a control element, a second control element remotely located therefrom, means comprising a normally balanced electrical circuit extending from one of said control elements to the other, means responsive to unbalance of said circuit for operating said first control element to restore said balance, said last mentioned means including



means for reversing the current in either of said sets of shading coils with respect to the current in the other of said sets of shading coils to cause rotation of the rotor in either desired direction, and means automatically adjusted by the resulting rotation of the rotor for restoring the normal relative flow of current in said shading coils, when said balance is restored.

2,234,350
HOSE AND COUPLING STRUCTURE
John A. Muller, Paterson, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 15, 1939, Serial No. 284,581
4 Claims. (Cl. 285—71)

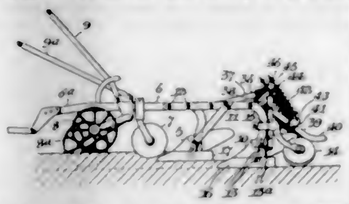


1. A hose and end coupling construction comprising a laminated flexible hose of reinforced rubber composition having inner and outer tubular walls, an elongated rigid tubular nipple having a substantial portion thereof positioned between and firmly bonded to said tubular walls and having a threaded end portion extending axially beyond an end of one of said tubular walls for the reception of a complementary coupling member, said inner tubular wall having a circumferential end section of yieldable rubber composition in engagement with the inner surface of said nipple and said end section having an internal recess, an expansion ring positioned within said recess and forcefully holding said end section in fluid-tight engagement with said nipple, a protecting ring slidably fitting within the end of the tubular nipple and having an axially extending flange fitting within said expansion ring for enclosing said expansion ring between said protecting ring and adjacent portions of the inner tubular wall of the hose, the interior diameters of the protecting ring and the inner tubular wall being equal so as to form a substantially smooth continuous internal bore throughout the entire length of the hose and end coupling construction, and means for retaining said protecting ring in operative position within said nipple.

2,234,351
PLOW UNIT
Frank Perosa, Willow Grove, Pa.
Application June 3, 1939, Serial No. 277,223
5 Claims. (Cl. 97—80)

1. A device for attachment to a standard trac-

tor-drawn plow to provide for turning a furrow in two layers, said device including a frame member for rigid attachment to the frame of the standard plow, said frame member having a plow member attached and being of a configura-



tion to locate the plow member at a point substantially directly behind and at a lower level than on the plow of the standard unit, and means for adjusting the height of said plow member on said frame member.

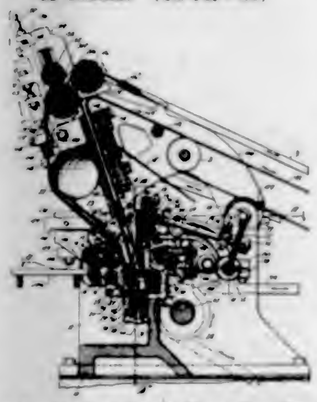
2,234,352

DEHAIRING OF PELTS

Robert H. Plass, Upper Montclair, N. J.

Application June 30, 1937, Serial No. 151,123

55 Claims. (Cl. 149—26)



32. In apparatus for cutting fur from pelts, means for feeding pelts along a given path, a knife, means for imparting cutting strokes to said knife to sever fur from said pelt concurrently with travel of said knife transversely of said pelt, and means engageable with the pelt with each cutting stroke of said knife to insure retention of said pelt in cutting position.

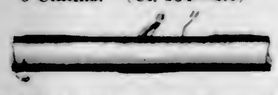
2,234,353

ELECTRICAL INSULATING MATERIAL

Amos L. Quinlan, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 12, 1939, Serial No. 267,421

9 Claims. (Cl. 154—2.6)



1. A method of making insulating tubing comprising the steps of wrapping a strip of cellulose derivative spirally on a mandrel with the edges of the strip overlapping, applying a serving of strand material over the cellulose derivative, applying a composition comprising a solvent for the cellulose derivative to bond the strands to the cellulose derivative to form a composite body and to coalesce the overlapping edges of the cellulose derivative under pressure supplied by the strand, and removing the composite body from the mandrel in the form of tubing.

2,234,354

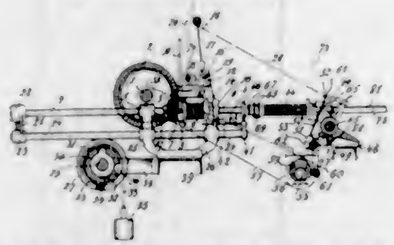
COP WINDING FRAME

Wilhelm Reiners, Gladbach-Rheydt, and Gustav Kahlisch, Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany

Application February 24, 1936, Serial No. 65,484

In Germany March 4, 1935

6 Claims. (Cl. 242—32)



1. In a machine for winding bobbins, a group of spindles, common driving means for said spindles, means for releasing said spindles individually from said driving means, means for coupling said spindles in unison to said driving means, threaded rods parallel to said spindles, yarn guide devices comprising builder discs mounted on said rods, contact means engageable by said yarn guide devices for separately operating said releasing means, means for releasing said builder discs from the threads of said rods, and means for restoring said thread guide devices in unison to the base of the bobbins.

2,234,355

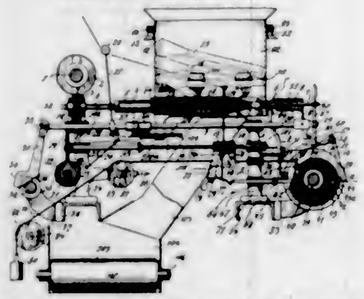
COP WINDING MECHANISM

Wilhelm Reiners, Gladbach-Rheydt, and Gustav Kahlisch, Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany

Application March 27, 1936, Serial No. 71,266

In Germany April 2, 1935

26 Claims. (Cl. 242—32)



1. In a yarn winding frame; a plurality of winding heads comprising rotatable supports upon which to wind the yarn; means for rotating said supports; a yarn guide adjacent each support through which the yarns are supplied to the respective supports; means for relatively oscillating said yarn guides and supports to cross wind the yarns; builder means for relatively shifting said yarn guides and the packages being wound, progressively in one direction; means for individually doffing the completed wound packages; driving means common to all said winding heads; individual driving devices for each winding head mounted on separate shafts, for throwing said doffing means into operation; and means acting independently at each winding head in dependence upon the growth of the wound package at said winding head to a predetermined length, for coupling the respective individual driving devices to said common driving means.

2,234,356

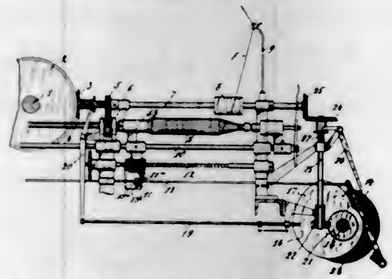
COP WINDING MACHINE

Wilhelm Reiners, Gladbach-Rheydt, Gustav Kahlisch, Rheydt, and Stefan Fürst, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany

Application June 1, 1939, Serial No. 276,780

In Germany July 28, 1938

1 Claim. (Cl. 242—27)



In a cop winding machine, a winding spindle device, a thread guide device, means for moving one of said devices progressively with respect to the other to build the length of the cop, means for restoring the progressively moved device to starting position to back-wind the thread on the cop, a main drive for said winding spindle device effective during the building of the cop, an auxiliary drive for said winding spindle device, and means operating in conjunction with said restoring means for shifting from said main drive to said auxiliary drive, said auxiliary drive being adapted to drive said winding spindle device at a speed slower than said main drive and suited to the back-winding of a minimum amount of thread to finish off the cop.

2,234,357

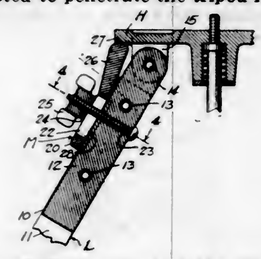
TRIPOD

Paul L. Ries and Park J. Ries, Los Angeles, Calif.

Application May 8, 1939, Serial No. 272,337

3 Claims. (Cl. 248—192)

3. A stop device for tripod legs comprising a slotted body having an abutment and spaced flanges adapted to co-act with a tripod leg in slidably mounting the body thereon for co-action of said abutment with the tripod head in definitely limiting opening movement of the tripod leg at various positions; a screw adapted to extend from the tripod leg through said slot of the body; a nut on the screw adapted to clamp the body to the tripod leg in any selected position of adjustment; and means on the body defining teeth adapted to penetrate the tripod leg to posi-



tively prevent displacement of the stop member on the leg.

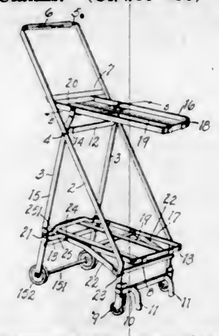
2,234,358

BASKET CARRYING CART

Walter H. Schray, Battle Creek, Mich., assignor to United Steel and Wire Company, Battle Creek, Mich.

Application October 12, 1940, Serial No. 360,889

14 Claims. (Cl. 280—36)



14. In a structure of the class described, the combination of crossed pivotally connected front and rear frame members, the front frame member being provided with a handle at its upper end and with wheels at its lower end, the rear frame member being provided with wheels at its lower end, a lower shelf pivotally connected to the rear frame member, links connecting said lower shelf to the front frame member whereby the lower shelf is swung to and from erected position upon the erecting and collapsing movement of said frame members, a top shelf pivoted on the rear frame member above the pivot connection for the frame members, a means for holding said top shelf in erected position, and a stop on said rear frame member with which said top shelf engages when the shelf is swung from its erected position to a partially collapsed position, said top shelf then constituting a handle extension for said rear frame member for collapsing and erecting the frame members and thereby collapsing and erecting the bottom shelf.

2,234,359

CHAIR

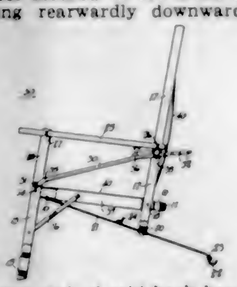
Bernard Uline and Paul J. Uline, Nappanee, Ind.

Application January 24, 1938, Serial No. 186,543

9 Claims. (Cl. 155—76)

5. A folding chair, comprising a seat, legs pivoted to the front of said seat, a back pivoted to the rear of said seat and extending therebelow, means for locking said seat, legs and back in operative angular relation, and an elongated re-

silient member secured to the front of the seat and extending rearwardly downwardly there-



from, the lower end of said back bearing on an intermediate portion of said resilient member.

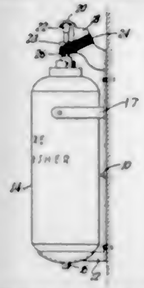
2,234,360

EMERGENCY APPARATUS

Richard E. Whitson, Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application July 1, 1940, Serial No. 343,404

1 Claim. (Cl. 248—311)



Emergency apparatus comprising in combination a fire extinguisher and a supporting bracket therefor including thereon means for removably engaging and supporting the fire extinguisher, said means having a portion thereof shaped so as to receive a band-like element thereover in position relative to the extinguisher so as to be broken upon removal of the extinguisher from the supporting bracket and so as to prevent normal removal of the extinguisher from the bracket without breaking the band, and an endless band formed of material which shrinks upon drying shrunk about the said portion of said means in such position.

2,234,361

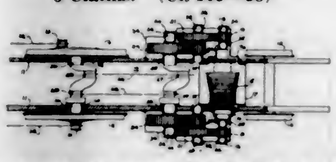
TURBINE LOCOMOTIVE

Ernst Baumann, Berlin-Spandau, Germany, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application September 1, 1938, Serial No. 228,056

In Germany November 26, 1937

3 Claims. (Cl. 105—38)



1. In a turbine driven locomotive, a pair of spaced parallel side frame members; a turbine disposed transversely of the side frame members and including a spindle, a casing enclosing the spindle, said casing having terminal portions extending through openings provided in the side frame members and encompassing a portion of the blading, and spindle bearings disposed outwardly of the side frame members and carried by said terminal portions; a lay shaft disposed transversely of the side frame members and having end portions extending through and beyond the latter; gear trains disposed outwardly of the side frame members and connecting the outer ends of the spindle to the outer ends of the lay shaft; said gear trains each including intermediate gears mounted on stub shafts whose inner ends are carried by the side frame members and do not protrude inwardly of the latter, whereby the turbine casing may extend radially toward the lay shaft so as to be in overlapping relation with respect to the intermediate gears and the stub shafts; a drive shaft arranged parallel to the lay shaft; and means arranged between the side frame members for transmitting power from the lay shaft to the drive shaft and providing for relative displacement thereof.

2,234,362

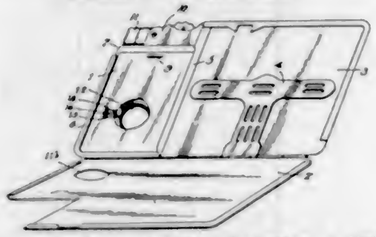
CIGARETTE CASE HAVING AN EXTRACTIBLE PETROL LIGHTER

Karl Bernhardt, Vienna, Austria, assignor, by court order, to Karl Hofbauer, Vienna, Germany

Application November 27, 1937, Serial No. 176,801

In Austria November 28, 1936

1 Claim. (Cl. 206—41.4)



A combination case for cigarettes, a lighter and a watch comprising a body portion, a cover hinged thereto, guides on the body portion, a lighter frictionally held between said guides, said lighter having a watch recess in the side thereof facing the hinged cover, a watch fixed in said recess and said cover having an opening therein adapted to register with said recess when the cover is in closed position on the body portion for exposing the dial of the watch.

2,234,363

PROCESS OF IMPREGNATING FIBROUS MATERIAL AND THE MATERIAL THUS OBTAINED

Arnold Brunner and Georg von Finck, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 8, 1938, Serial No. 184,104. In Germany January 13, 1937

12 Claims. (Cl. 91—70)

1. The process which comprises impregnating fibrous materials with organic nitrogen compounds obtained by causing phenols of the general formula $A.CH_2.Cl$, wherein A represents a radical of a phenol substituted by aliphatic hydrocarbon radicals having a least 4 carbon atoms, to react with a nitrogen base selected from the group consisting of tertiary aliphatic and tertiary heterocyclic amines and subsequently heating the impregnated material.

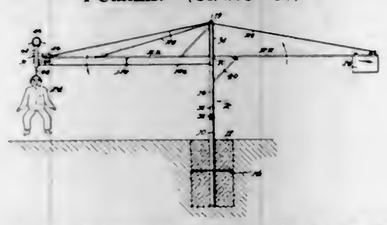
2,234,364

MECHANICAL FOOTBALL DUMMY

James F. Carberry, Worcester, Mass., assignor to Francis J. Carberry, Worcester, Mass.

Application August 11, 1939, Serial No. 289,669

4 Claims. (Cl. 273—55)



1. In an apparatus of the class described, a dummy, means pivotally suspending said dummy for substantially universal movement, means to travel said dummy in a definite path, means to momentarily force said dummy out of said path to either side thereof, the weight of said dummy returning it to normal position.

2,234,365

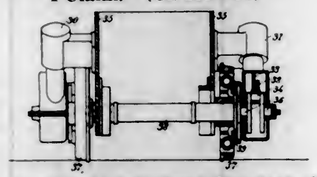
STEAM LOCOMOTIVE DRIVEN BY HIGH SPEED PISTON STEAM ENGINES

Heinrich Carl, Kassel, Germany, assignor to Henschel & Sohn, Gesellschaft mit beschrankter Haftung, Kassel, Germany

Application November 26, 1938, Serial No. 242,462

In Germany December 15, 1937

1 Claim. (Cl. 105—37)



In an individual axle drive for steam locomotives, the combination of: a frame; a plurality of driven axles carrying wheels of a diameter of 1000 to 1300 mm.; spring suspension means interposed between said frame and said driven axle; a plurality of completely enclosed independent steam-operated engines rigidly mounted outside upon said frame and having crank shafts coaxial with said driven wheels; resilient clutches interposed between said crank shafts and said driven axles, said engines each comprising two cylinders displaced through an angle of 90°.

2,234,366

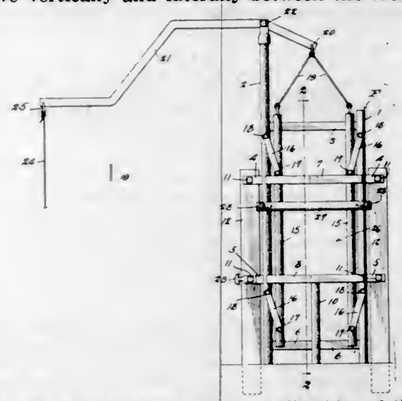
ANIMAL HOLDER

Wesley Hall Carter, Sulphur, Okla.

Application February 10, 1940, Serial No. 318,358

2 Claims. (Cl. 119—98)

1. An animal holder comprising upright standards, upper front and rear cross members connected to opposite sides of the standards, lower front and rear cross members connected to opposite sides of the standards, a ground-engaging leg having its upper end secured between the lower cross members, a bottom bar connected intermediately to the leg and secured at its ends to the standards, cooperating jaws mounted to move vertically and laterally between the front



and rear cross members, on opposite sides of the leg, links pivoted to the jaws and to the standards, and means under the control of an operator for raising the jaws, to close them.

2,234,367

METHOD OF MANUFACTURE OF ACTIVATED MAGNESIUM OXIDE

Heinz H. Chesny, San Mateo, Calif., assignor to Marine Magnesium Products Corporation, a corporation of Delaware

No Drawing. Application April 27, 1935, Serial No. 18,696

3 Claims. (Cl. 23—201)

1. In a method of manufacturing activated magnesium oxide, the steps of spray drying a paste of hydrous magnesium hydroxide to form a powder, and then effecting relatively uniform heating of the power to a temperature of about 750° Fahrenheit for a period of time sufficient to convert from 80 to 85% of the magnesium hydroxide content to magnesium oxide.

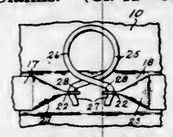
2,234,368

ORNAMENTAL BAND FOR WASHING MACHINE TUBS

Elmer C. Cooley, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware

Application June 9, 1939, Serial No. 278,202

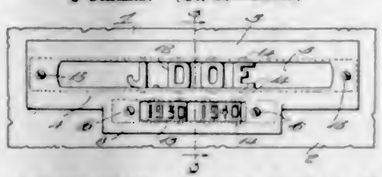
3 Claims. (Cl. 41—34)



2. An ornamental band of the class described composed of a narrow strip of flexible metal initially of substantially equal width throughout its length, said strip having portions at opposite sides of its center line adjacent each end thereof bent into overlying relation with each other to provide substantially flat end portions extending longitudinally of the strip at right angles to the main portion of said strip, said end portions having holes therein, and a spring clamp formed of a single piece of wire having its intermediate portion bent into a loop and its ends extending

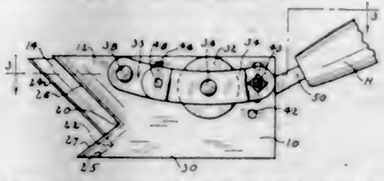
outwardly from one side of the loop in substantially the plane thereof and into said holes for maintaining said end portions in close relation with each other and urging said band into engagement with an object confined thereby.

2,234,369
GRAVE MARKER
Byron Ralph Davis, Dallas, Tex.
Application March 1, 1940, Serial No. 321,774
2 Claims. (Cl. 40—124.5)



1. A grave marker comprising a marker stone of precast material, a panel formed of an oblong rectangular frame plate provided along its longitudinal edges with flanges bent downward therefrom and embedded in a face of the stone and spacing the panel therefrom, and having projecting beyond one of said edges an extension plate, said frame plate and extension plate having slots therein, and sign plates adapted to be secured to the main and extension plates beneath the slots therein and to be disposed in the space between the panel and said face of the stone.

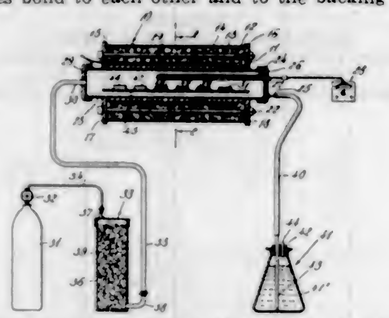
2,234,370
DOUBLE SHEARING LAWN EDGER
Alex E. England, Seattle, Wash.
Application April 25, 1939, Serial No. 269,983
1 Claim. (Cl. 97—227)



A lawn edger comprising a perpendicular guide wall having a front notch forming rearwardly converging shearing edges, a base disposed at right angles to said guide wall, said base having a front rearwardly extending diagonal shearing edge in advance of the converging point of the shearing edges of the perpendicular wall, a handle having an elongated flange attached on top of said base, a guiding and discharging wall outwardly tilted from said base, said tilted wall also having a front notch forming rearwardly converging shearing edges with their converging point at the rear of the diagonal shearing edge, the front longer shearing edge of the notched tilted wall being in advance of the front longer shearing edge of the notched perpendicular wall, and the shorter shearing edge of the tilted wall being located at the rear of the complementary shearing edge of the perpendicular wall.

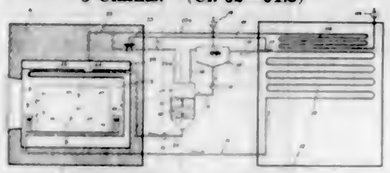
2,234,371
MANUFACTURE OF COMPOSITE BEARINGS
Erich Fetz, Newark, N. J., assignor to Hardy Metallurgical Corporation, New York, N. Y., a corporation of Delaware
Application June 23, 1938, Serial No. 215,500
3 Claims. (Cl. 29—149.5)

1. A method of making a composite bearing which comprises placing powdered substantially solid copper on a metal back to form a substantially uncompacted coating, heating the back thus coated to a temperature below the melting point of copper but within a hundred degrees centigrade thereof until the copper powder particles bond to each other and to the backing to



form a porous matrix welded to the backing, compressing a layer of copper-coated lead powder against the porous matrix and while thus compressed heating it to a temperature intermediate the melting point of copper and of lead until the lead sweats and impregnates the matrix.

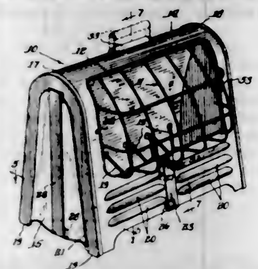
2,234,372
REFRIGERATING APPARATUS
Harold V. Friedman, Las Vegas, Nev., assignor of one-half to Alma M. Friedman, Dallas, Tex.
Application February 11, 1939, Serial No. 255,950
5 Claims. (Cl. 62—91.5)



1. Refrigerating apparatus comprising, in combination, a chamber to be cooled, a separate gastight chamber adapted to receive a sublimatory refrigerant, a heat exchange coil system including a coil in each of said chambers, a refrigerating liquid in the system, a gas actuated pump interposed in the system, a gas feeding pipe leading directly from the refrigerant chamber to the pump, a valve interposed in said pipe between said refrigerant chamber and said pump, said valve being adapted to positively control the flow of gas through said pipe, and temperature responsive means associated with the coil in the chamber to be cooled and arranged to actuate said valve.

2,234,373
ELECTRIC HEATER
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 22, 1939, Serial No. 286,004
5 Claims. (Cl. 219—34)

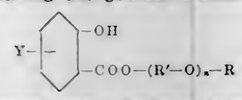
1. An electric heater of the type adapted to be removably rested upon a supporting surface, said heater comprising a casing having a generally rectangular front and rear wall and a substantially rectangular opening disposed in the front wall of the casing having a lower margin disposed below the median point of said front wall, a heating element within the casing and disposed to direct radiated heat outwardly through said opening, and a guard grill across the opening, said grill having a lower planar portion projecting generally horizontally outwardly at a sharp angle adjacent the lower margin of said opening to a substantial distance in front of the front wall, said grill having a portion extending



in a curved plane upwardly and reawardly from the outer extremity of said outwardly projecting lower portion to the upper margin of said opening and being outwardly convexly curved throughout the upwardly extending portion, said heater being constructed and arranged with its center of gravity below said lower margin of the opening and operative to exert a force causing said heater to roll to a position with the lower portion of the guard grill contacting the supporting surface if the heater becomes tipped over.

2,234,374
ETHER ESTERS OF HALOGENATED SALICYLIC ACIDS
Ernest F. Grether and Russell B. Du Vall, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 9, 1939, Serial No. 303,704
4 Claims. (Cl. 260—474)

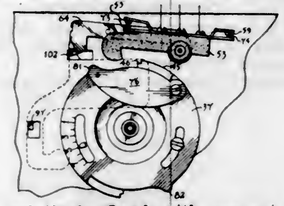
1. A glycol ether-ester of a halogenated salicylic acid having the general formula:



wherein Y represents a halogen substituent selected from the class consisting of chlorine, bromine, and iodine, R' represents a lower alkylene radical containing at least two carbon atoms, *n* represents a small integer, and R represents a radical selected from the class consisting of alkyl and aryl radicals.

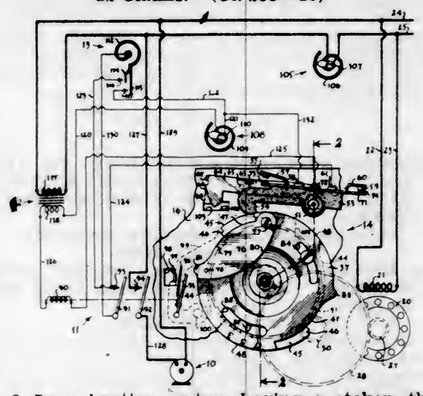
2,234,375
STOKER CONTROL SYSTEM
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 21, 1937, Serial No. 149,384
16 Claims. (Cl. 200—38)

16. In combination, first and second concentrically mounted spaced cams, each having a high and a low surface, means for rotating said cams, a separate cam follower for each cam engageable with the cam surfaces thereof, first and second switches conjointly operated by both of the cam followers to perform a control function, the arrangement being such that when the cam followers engage the high surfaces or the low surfaces of the cams the first switch is closed and the second switch is opened and when one of the cam followers engages the low surface of one of the cams and the other engages the high surface of the other cam the second switch is closed and the first switch is opened, an arcuate slot in one of the cams, fastening means carried by the other cam and extending through the slot to maintain



the cams relatively fixed with respect to each other, means for loosening the fastening means to permit relative adjustment of the cams with respect to each other through the extent of the slot for varying the switching action of the switching mechanism, and a friction connection between the cams and the means for rotating the cams to permit rotation of the cams with respect to said rotating means, said fastening means extending outwardly to provide a handle for facilitating such rotation.

2,234,376
STOKER CONTROL SYSTEM
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application June 21, 1937, Serial No. 149,384. Divided and this application May 10, 1939, Serial No. 272,783
12 Claims. (Cl. 236—46)



6. In a heating system having a stoker, the combination of, electrically operated means for controlling the operation of the stoker, a first switch operated in response to a condition indicative of a demand for heat, a first circuit including the electrically operated means and the first switch for controlling the operation of the stoker, a second switch, a pair of concentrically mounted spaced cams, means for rotating the cams at a substantially constant speed, a pair of cam followers operated by the cams for conjointly opening and closing the second switch, a second circuit including the electrically

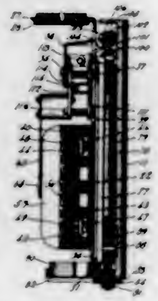
operated means and the second switch for causing periodic operation of the stoker, and means operable upon closure of the first circuit for interrupting normal operation of the second switch and maintaining the second switch opened for an appreciable time following opening of the first circuit.

2,234,377

CONTROL DEVICE

Herbert E. Lindemann, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application November 5, 1937, Serial No. 172,977
27 Claims. (Cl. 200—137)



1. A control device comprising, a thermal element associated with a heat transmitting surface and directly affected by temperature changes thereof, said thermal element comprising heat responsive and non-heat responsive members, means for connecting the members together at one end, separate spring hinges connected to each of the other ends of the members, means for clamping the free ends of the spring hinges together, said spring hinges movable with respect to one another responsive to an operation of said thermal element, and control means connected to the clamped end of said spring hinges and actuated by the movement thereof.

2,234,378

PROCESS FOR THE EXTRACTION OF THE VALUABLE CONTENTS FROM ANTIMONIAL, ARSENICAL, AND OTHER COMPLEX ORES

Peter Francis Loring, Pretoria, Transvaal, Union of South Africa

No Drawing. Application June 20, 1939, Serial No. 280,056. In the Union of South Africa July 12, 1938
8 Claims. (Cl. 75—6)

1. An improved process for treating complex ores containing sulphur and antimony for the recovery of their valuable constituents which comprises the steps of, reducing the ore to a fine state of subdivision, thoroughly mixing therewith sufficient tar or pitch to form a pasty mass, heating this mixture in a non-oxidizing atmosphere to distill off excess tar and pitch and to expel the free sulphur without melting, vaporizing or reducing the sulphides therein, thereby forming said mass into a porous coke-like substance containing all the sulphides bound together by a readily combustible matrix of a carbon-sulphur substance, roasting this coke-like substance in an oxidizing atmosphere so as to oxidize the antimony and sulphur and drive off the volatile constituents, and thereafter treating the resulting residue in known manner for the extraction of its valuable content.

2,234,379

PRESERVATION OF SOAP

George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 25, 1938, Serial No. 198,102
10 Claims. (Cl. 23—250)

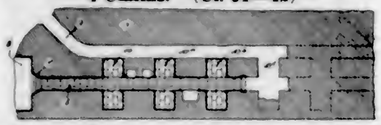
4. A soap containing a small proportion of a stabilizer against deterioration and development of rancidity consisting of a halogen ester of phosphorous acid, $P(OH)_3$, containing at least one aromatic carbocyclic ester forming radical linked through oxygen to a phosphorus atom and at least one halogen atom linked to the said phosphorus atom.

2,234,380

UNDERGROUND GALLERY AND METHOD OF CONSTRUCTING THE SAME

Lyle C. McDermott, Boise, Idaho

Application February 14, 1938, Serial No. 190,507
4 Claims. (Cl. 61—42)



2. The method of constructing an underground exhibition and archive gallery which consists in forming a gallery tunnel horizontally in solid rock or other natural earth formation, also forming a working tunnel first at a divergent angle to the gallery tunnel and then substantially parallel with but spaced from the latter, forming a series of lateral passageways off from the working tunnel to and in communication with the gallery tunnel and progressively walling up and finishing the gallery tunnel and passageways as work thereon is completed, there being always an unfinished gallery compartment in advance of the finished portion of the gallery, mounting a transparent end wall adjacent the finished end portion of the gallery so that the actual construction work in the unfinished portion of the gallery may be viewed from the finished portion of the latter, and removing and advancing the said end wall to the finished portion of the gallery tunnel as the latter is progressively completed.

2,234,381

INSECTICIDE

Clarence L. Moyle and Gerald H. Coleman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 21, 1940, Serial No. 320,160
13 Claims. (Cl. 167—22)

1. An insecticidal composition containing as a toxic ingredient an unsaturated ether compound having the formula

$$R—O—(C_nH_{2n}—O—)_mC_nH_{2n-2}—X$$

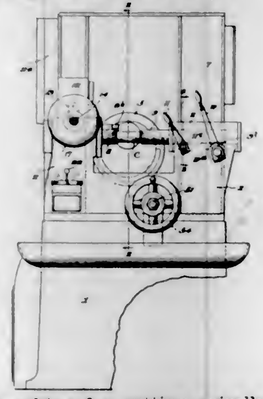
wherein R represents an aromatic radical, X represents a member of the group consisting of chlorine, bromine, and hydrogen, m is an integer not greater than 4, and n is an integer not greater than 6.

2,234,382

MACHINE FOR CUTTING OR GRINDING SPIRALLY GROOVED CAMS

Percy A. Newman, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a corporation of Indiana

Application July 19, 1939, Serial No. 285,400
25 Claims. (Cl. 51—33)



1. In a machine for cutting spirally grooved cams or the like, a table for supporting a cam blank to be cut; a spindle movable transversely of the axis of the blank; a rotatable cutting tool on the spindle disposed eccentrically of the axis thereof and adapted to engage the blank; a reciprocable slide adjustably carrying a master cam; a common drive shaft for rotating said blank and for simultaneously imparting reciprocation to the slide; means operated by the master cam when the slide is reciprocated to impart corresponding movement to the spindle, thereby causing the cutting tool to move in an arcuate path; and a compensator plate angularly adjustable on said slide and directly carrying said master cam, whereby angular adjustment of the plate will vary the amount of movement of the spindle for a given travel of the slide.

2,234,383

DENTAL IMPRESSION COMPOSITION

Bennett Preble, Berkeley, Calif., assignor to Surgident, Ltd., Los Angeles, Calif., a corporation of California

No Drawing. Application October 28, 1939, Serial No. 301,836
9 Claims. (Cl. 18—47)

1. A dental impression composition consisting principally of a reversible hydrocolloid gel and containing a borate-containing reagent in an amount not exceeding about 1% and the pH value of such composition being within the range of about pH 6.8 to pH 8.5.

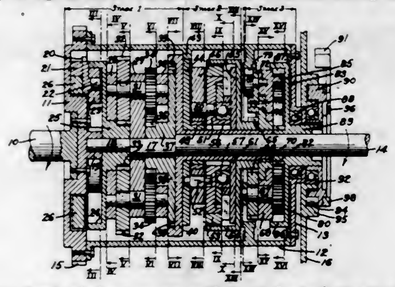
2,234,384

AUTOMATIC POWER TRANSMISSION DEVICE

Thomas H. Ryan, San Francisco, Calif.

Application February 24, 1939, Serial No. 258,228
16 Claims. (Cl. 74—260)

1. In a power transmission device, the combination of a driving shaft, a driven shaft disposed axially in line with said driving shaft, said driven shaft having an eccentric crank forming portion, a pinion disposed axially with respect to said driving shaft and adapted to be driven thereby, a second pinion rotatably mounted upon the eccentric crank forming portion of said driven shaft, a counter-shaft extending parallel with the axis of the driving and driven shafts and adapted to move in a path concentric to the central axis of the driving and driven shafts, said counter-shaft being held in fixed relation with respect to the eccentricity of the crank forming portion of said driven shaft during its movement about the axis of said driving and driven shafts, a gear keyed upon said counter-shaft and meshing with



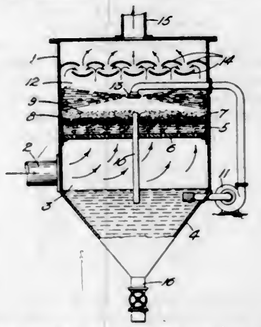
said first pinion, a second gear keyed upon said counter-shaft, an idling gear disposed in driving relation between said second gear upon said counter-shaft and said pinion upon the eccentric crank forming portion of the driven shaft, and centrifugally operating means responsive to the speed of said driving shaft for controlling the speed of rotation of said latter pinion about the eccentric crank forming portion of the driven shaft, whereby the driving connection between the driving shaft and the driven shaft will vary as the speed of the driving shaft varies.

2,234,385

APPARATUS FOR REMOVING IMPURITIES FROM GASES BY THE AID OF A WASHING LIQUID

Arthur Ryner, London, England, assignor to Traughber Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application June 6, 1940, Serial No. 339,147
In Great Britain February 23, 1939
4 Claims. (Cl. 261—113)



1. In an apparatus for removing impurities from gases, a lower plate having a plurality of spaced perforations, an upper plate having a plurality of spaced perforations, the cross-sectional area of each of the perforations in said upper plate being less than the cross-sectional area of each of the perforations in said lower plate and the spacing between adjacent perforations in the upper plate being less than the spacing between

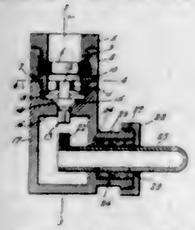
adjacent perforations in said lower plate, means producing below the lower plate a gas pressure higher than the gas pressure above the upper plate, and means for substantially filling the space between the upper and lower plates with a body of gas washing liquid.

2,234,386

VALVE FOR SHAMPOO HOSES AND THE LIKE

Walter F. Schaub, Benton Harbor, and John H. McCrery, Coloma, Mich.

Substitute for abandoned application Serial No. 244,855, December 9, 1938. This application July 24, 1940, Serial No. 347,343
1 Claim. (Cl. 251—40)



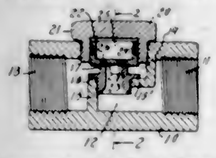
A valve for coupling a hose line to a faucet comprising a tubular valve casing having an open upper end, a closed bottom, and an annular internal flange adjacent its upper end forming a beveled valve seat, means for securing the casing to said faucet comprising a coupling threaded onto the upper end thereof and having a spider-like valve stem guide therein, a beveled valve disk in said casing seating downwardly on said seat and having a valve stem slidable at one end in said guide and extending at its other end below said seat, a tubular rotatable valve elevating member extending laterally out of said casing adjacent the bottom thereof and having an outer end for connection of the hose line thereto whereby said member may be rotated under manipulation of said hose, and a cam on the inner end of said member for engagement with said other end of said stem under rotation of the member to thereby elevate said valve.

2,234,387

STEAM TRAP

Donald Edward Schott, Bronx, N. Y., assignor to Thomas C. Wilson, Inc., New York, N. Y., a corporation of New York

Application August 27, 1937, Serial No. 161,187
9 Claims. (Cl. 137—103)



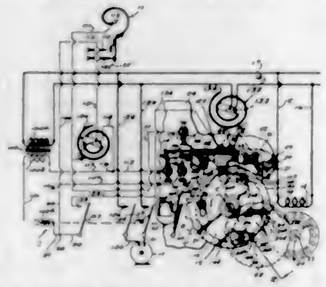
1. A valve comprising a body having inlet and outlet openings therein and a constricted, main passage between the inlet and outlet openings, a cylinder independent of said passage, a piston in the cylinder dividing the cylinder from the passage and closely engaging the side wall of the cylinder to prevent fluid leakage between the piston and said wall, the piston being operable to control the constriction of said passage, and a duct independent of said passage and forming a branch passage for conducting fluid to the cylinder from a part of the first passage located toward the outlet opening from the region of greatest constriction in the first passage.

2,234,388

STOKER CONTROL

Elmer K. Scoggin, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application February 24, 1936, Serial No. 65,226
32 Claims. (Cl. 236—46)



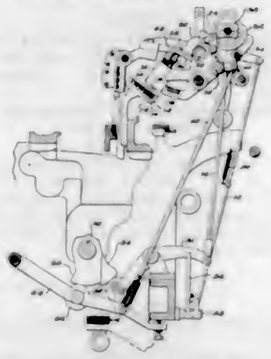
1. In a control system, in combination, a circuit, condition responsive means to open and close said circuit, additional means to open and close said circuit at predetermined time intervals, and a mechanical latch means movable by said condition responsive means to latching position to maintain said additional means in open position during the period when said condition responsive means closes said circuit and for an appreciable period subsequent to the opening thereof by said condition responsive means.

2,234,389

FLAT KNITTING MACHINE

Kurt P. Spindler and Paul Drechsel, Reading, Pa., assignors to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania

Application July 10, 1937, Serial No. 152,956
16 Claims. (Cl. 66—127)



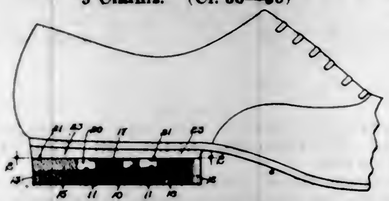
1. A flat full-fashioned knitting machine having, in combination, a plurality of carrier rods, stops for said carrier rods adjustable to effect fabric narrowing, an alternating drive for the carrier rods, and automatic means fixedly supported lengthwise of the machine for positively locking inactive carrier rods successively and in synchronism with the alternating drive.

2,234,390

SHOE HEEL CONSTRUCTION

James P. Taylor, Los Angeles, Calif.

Application August 23, 1938, Serial No. 226,271
In Mexico June 1, 1938
5 Claims. (Cl. 36—35)



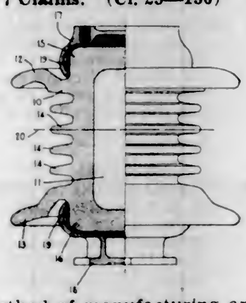
1. A heel including a wearing base portion and a flexible tapered cushioning portion cooperable with the upper surface of said wearing portion, said cushioning portion decreasing in thickness from the rear of the heel to the front thereof and being of such thickness at the front to permit bodily side tilting of the wearing base portion with respect to a shoe mounting.

2,234,391

METHOD OF MANUFACTURING ELECTRIC INSULATORS

John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application January 17, 1939, Serial No. 251,352
7 Claims. (Cl. 25—156)



6. The method of manufacturing an insulator comprising the steps of forming from plastic material two body portions each having a radially extending flange at one end thereof and each having a recess therein opening at the end of said body portion opposite said flange, slip joining the ends of said body portions with the ends of said recesses in registration with each other, trimming the periphery of said joined body portions to form flanges thereon of less radial extent than said end flanges and firing the joined body portions to vitrify the material thereof and seal the recess therein, one of the flanges formed by trimming said body portion having the joined surfaces of said body portions between the upper and lower surfaces thereof.

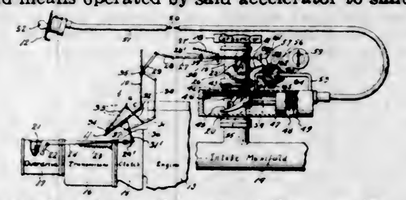
2,234,392

MOTOR VEHICLE

Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application July 27, 1938, Serial No. 221,654
2 Claims. (Cl. 74—472)

1. In a motor vehicle, the combination of a motor having throttle means, a governor, an accelerator for controlling motor speed below the governed speed, a gear shifter for the vehicle, and means operated by said accelerator to simultaneously actuate the gear shifter, render the governor inoperative and move said motor throttle means to wide open position.

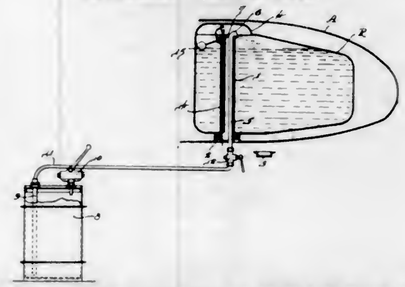


2,234,393

DEVICE FOR THE FILLING OF TANKS

Félix Amiot, Neuilly-sur-Seine, France

Application November 5, 1938, Serial No. 239,166
In Luxemburg October 15, 1938
13 Claims. (Cl. 244—135)



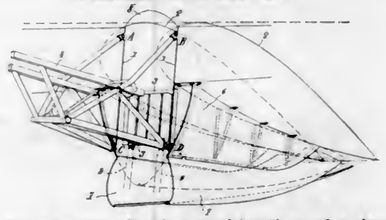
1. In a system including an airplane wing, and a tank located inside said wing, a device for filling said tank which comprises, in combination, a conduit having its lower end fitted in a fluid-tight manner in the under side of said wing and extending upwardly so as to open into said tank at the upper part thereof above the highest liquid level in said tank, a removable feeder tube extending through the said conduit for the flow of fuel to said tank, and means for normally closing the lower end of said conduit when the feeder tube is removed, said means lying flush with the under side of said wing.

2,234,394

AERIAL NAVIGATION MACHINE

Félix Amiot, Neuilly-sur-Seine, France

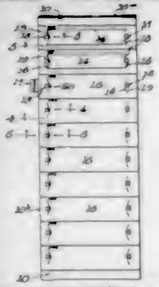
Application November 5, 1938, Serial No. 239,167
In Luxemburg February 14, 1938
6 Claims. (Cl. 244—54)



1. In an aircraft, the combination of a frame structure including two spaced, longitudinal, substantially flat members forming a part of said frame structure, said members being disposed in vertical planes and extending substantially beyond the remainder of said frame structure, the front ends of said members forming means for

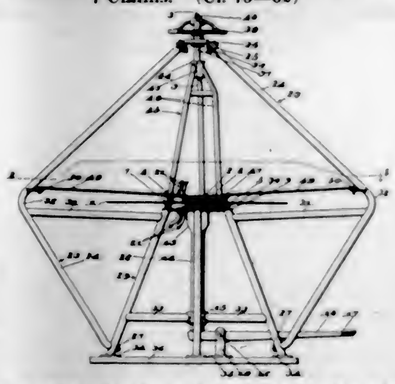
supporting, selectively, any one of a plurality of engine assemblies having cowlings of various cross sectional shapes, respectively, and a plurality of substantially triangular brackets removably mounted in spaced relationship along the outer sides of said members, one side of each of said brackets being affixed to a horizontal portion of said frame structure, the second side of each of said brackets being affixed to the outer face of one of said members, the third side of each of said brackets being curved in accordance with the cross sectional shape of the cowling selected whereby removably to support curved sheet metal covering sheets, the curvatures of which are based upon said cross sectional shape.

2,234,395
CARD-HOLDING MEANS
Raymond E. Bauder, Chicago, Ill.
Application July 27, 1940, Serial No. 348,007
7 Claims. (Cl. 129—20)



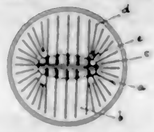
1. A card holder comprising a resilient sheet having a slit through which to insert the end of a card, the portion of said sheet to lie upon the card end being provided with a downwardly pressed detent portion to engage an opening in the card end, said detent portion having an abrupt end to abut an edge of the card opening, said detent portion being also provided with a lower side which declines from the plane of the sheet toward said abrupt end.

2,234,396
WELDING CLAMP
Paul M. Bundy and Alcide E. Beaudett, Albuquerque, N. Mex.
Application February 16, 1938, Serial No. 190,846
7 Claims. (Cl. 78—82)



1. A welding clamp comprising a pair of respectively fixed and movable pressure plates, pressure means with which to force the movable plate against the adjacent side of a blade emplaced between said plates, said pressure means providing the suspension for said movable plate, one of the plates having an opening preserving the integrity of said plate and serving to admit welding means to a fracture in the blade exposed in said opening.

2,234,397
FILTERING DEVICE FOR THE PRODUCTION OF BEVERAGES, SUCH AS TEA AND COFFEE
Wolfgang Horst Bentz, Minden, Germany, assignor, by mesne assignments, to Melitta-Werke Bentz & Sohn, Minden, Germany
Application May 20, 1937, Serial No. 143,783
In Germany June 6, 1936
2 Claims. (Cl. 210—160)



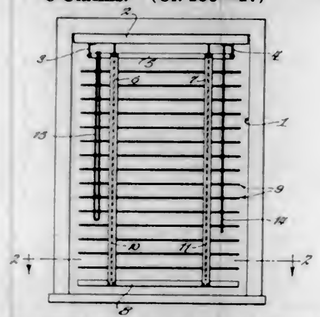
1. A filtering device for the production of coffee and tea beverages, comprising in combination, a filtering vessel having a narrow elongated bottom provided with at least one outflow aperture, a continuous side wall extending upwardly from said bottom and gradually widening towards its upper edge, and a filter bag inserted in said vessel, said bag having an elongated bottom portion of substantially the configuration of the narrow elongated bottom of said filtering vessel, the side walls of said filtering bag being of substantially the same shape as the side walls of the vessel.

2,234,398
SAFETY ROD TURNING DEVICE
Peter L. Ciaccio, Los Angeles, Calif., assignor to Hubert R. Crane, doing business as Flexible Sewer Rod Equipment Co., Los Angeles, Calif.
Application June 13, 1939, Serial No. 278,897
2 Claims. (Cl. 15—104.30)



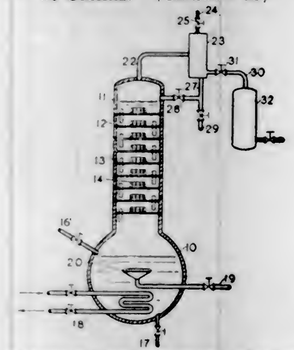
2. The combination, in a bore cleaning apparatus, comprising a flexible rod having a driver receiving part by which the rod may be rotated, a barrel having an axial passageway to receive and pass said part, drive means on the barrel to engage and rotate said part and thereby the rod, and a ratchet means on the barrel to turn it and an extended lever to engage a convenient abutment at the outer end of the lever and having a ratchet connection with the said barrel and said second ratchet being adapted to prevent barrel rotation in a direction reverse to that permitted by the barrel driving ratchet.

2,234,399
WINDOW BLIND
Patrick H. Dougherty, Waynesboro, Va.
Application February 28, 1939, Serial No. 258,977
8 Claims. (Cl. 156—17)



1. As an article of manufacture, a cover for the slat of a Venetian blind, comprising a durable and somewhat elastic, removable, plasticized, nonfibrous, flexible film covering.

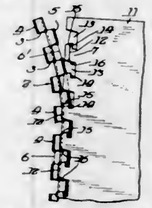
2,234,400
PURIFICATION OF POLYHYDRIC ALCOHOLS
Theodore W. Evans and James R. Scheibli, Oakland, and Gerald H. van de Griendt, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 10, 1939, Serial No. 278,480
10 Claims. (Cl. 202—46)



6. In a process for removing odorous and alkali-reactive impurities from a glycerol contaminated therewith, said impurities boiling slightly above and below the boiling temperature of glycerol, the steps of subjecting said impurity-containing glycerin to a distillation under vacuo, with concurrent steaming of the glycerin, condensing the impurity-containing glycerin distillate, and returning a major portion of said condensate as a reflux without substantial inclusion of the water removed overhead, thereby concentrating the alkali-reactive impurities in the first portion of the glycerin to distill over prior to the separate recovery of the bulk of the glycerol as distillate.

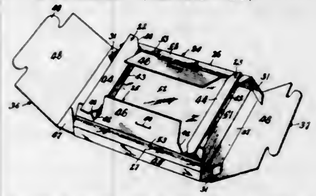
2,234,401
BINDING AND METHOD OF MAKING
Emil N. Farkas and Frank F. Farkas, Chicago, Ill.
Application August 22, 1938, Serial No. 226,026
11 Claims. (Cl. 129—18)

6. In a device of the kind described, the combination of a plurality of sheets, said sheets being formed with a plurality of spaced elements adjacent a corresponding edge thereof, said elements having securing means thereon and a flexible member for maintaining said sheets in assembled relation, said member having spaced portions engageable with said elements, said portions and the securing means of said elements being so proportioned relative one another as to permit interlocking therebetween when part of said member is flexed transversely to the plane of said sheets, without deformation of the sheets or said elements.



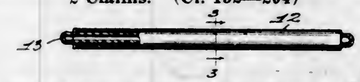
10. The method of connecting a plurality of members together, one or more of which is provided with a row of spaced tongues, and another of said members provided with a row of correspondingly spaced tongue engaging means, consisting in flexing said last mentioned member transversely to the line of said means, unflexing said member and simultaneously engaging said tongues one by one with their respective means as said member is unflexed.

2,234,402
COLLAPSIBLE CONTAINER
William P. Frankenstein, Cincinnati, Ohio
Application April 4, 1938, Serial No. 199,775
3 Claims. (Cl. 229—34)



1. A display carton made up of a blank formed to provide an open containing portion defined by a pair of opposed hollow end walls each comprising a top surface section adapted to receive printed matter, a pair of opposed side walls each formed of a single thickness only of the blank, interlocking means integral with the blank for supporting all of said walls in operative position and a pair of overlapping flaps forming the bottom of the carton.

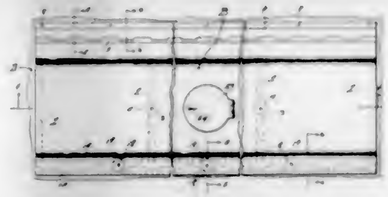
2,234,403
PNEUMATIC TIRE BOOT OR LINER
Everett C. Goodrich, Los Angeles, Calif.
Application January 2, 1940, Serial No. 312,021
2 Claims. (Cl. 152—204)



1. In a pneumatic tire boot or liner, a flexible member and a layer of reinforcing members embedded in said flexible member, each reinforcing member comprising a doubled section of wire

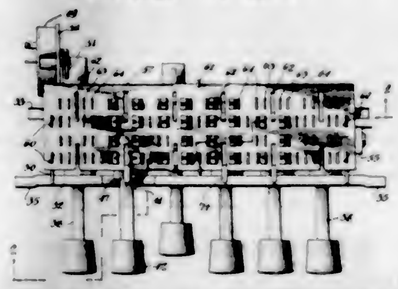
cable and a sheath of flexible material enclosing same with the doubled ends of the wire cables projecting beyond the ends of the enclosing sheaths.

2,234,404
ESCAPE DEVICE FOR VESSELS
George L. Grimes, Portsmouth, Va.
Application July 15, 1939, Serial No. 284,783
8 Claims. (Cl. 114—16.7)



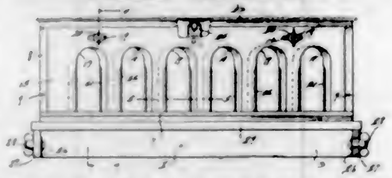
1. In combination with the deck of a vessel having a hatch opening and means releasable from within the vessel for closing said opening, spaced parallel rails fixed to said deck, a life boat, beams carried by said boat exteriorly thereof and extending therealong, one of said beams and one of the rails being so constructed and arranged to provide means to allow such beam and rail to interlock upon lateral tilting of the boat for holding the boat to the deck, the second beam and rail being constructed and arranged to provide means to allow the same to interlock, means operable from within the boat for releasably holding the boat to the deck, a hatchway carried by the boat registering with the hatch opening of the deck when the boat is held to the deck of the vessel, releasable means for closing the hatchway of the boat, said boat having an exit opening, and releasable means for closing said exit opening.

2,234,405
PUSH-BUTTON SWITCH
Harry C. Hall and George O. Puerner, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application December 23, 1938, Serial No. 247,315
13 Claims. (Cl. 200—5)



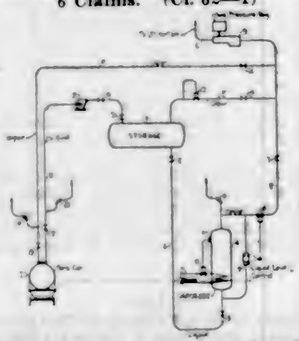
1. A push-button electric switch comprising a frame, a push rod mounted for reciprocation therein, a contact panel of sheet insulating material mounted on said frame parallel to said push rod, a slide of sheet insulating material mounted edgewise on said push rod with its free edge adjacent said panel, said edge moving in a path parallel to said panel, and co-operating contacts on said panel and slide.

2,234,406
POULTRY FEEDER
Clyde Hatfield, Helena, Mont., and Leslie C. Hatfield, Glide, Oreg., assignors of one-third to Stanley V. Hatfield, Richmond, Calif.
Application April 6, 1940, Serial No. 328,286
3 Claims. (Cl. 119—61)



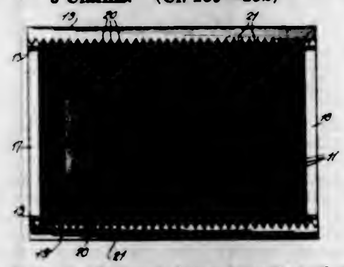
1. A poultry feeder, comprising an elongated trough having, top, bottom, side and end walls, said side walls having upper and lower portions, one upper portion having a series of feeding openings therethrough having arched top edges, the said one upper portion having a flanged lower edge and the adjacent lower portion having a corresponding top edge flange, the flanges being locked together to form a guide groove below the said series of feeding openings, a slide plate disposed against the said one of the side walls and having its lower edge in said guide groove, said slide plate having openings corresponding in number, size, and contour to the said feeding openings, and means connecting the sliding plate at its top with the upper part of the said upper side wall portion whereby limited sliding movement of the slide plate is had to move the openings of the wall and of the plate into full registry or out of registry, the said feeding openings of the upper side wall portion being bordered along one vertical edge by an inturned portion of the material of which the wall is formed, and the openings of the sliding plate being each bordered along a vertical edge diagonally opposite to the bordered edge of the adjacent wall opening by a turned portion of the material of which the plate is made, the said bordered edges of the adjacent wall and plate openings serving as guards to protect the chickens' heads against injury.

2,234,407
APPARATUS FOR VAPORIZING LIQUID FUEL
Walter H. Hoagland, Webster Groves, Mo., assignor to Sheff Development Company, San Francisco, Calif., a corporation of Delaware
Application July 25, 1939, Serial No. 286,393
6 Claims. (Cl. 62—1)



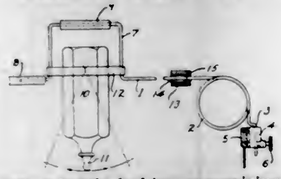
1. In apparatus for vaporizing liquefied gas of the class described, a vaporizer for liquefied gas, a storage tank for liquefied gas, an inlet liquid line for conducting liquefied gas from said storage tank to said vaporizer, gas pressure regulating means, an outlet vapor line for conducting vapors from said vaporizer to said gas pressure regulating means, a valve interposed in said last-named line, a liquid level control whereby the liquid level may be maintained within predetermined limits in said vaporizer, said liquid level control and said last-named valve being arranged and adapted to operate conjunctively, a vapor line leading from the top of said storage tank to said previously mentioned vapor line, means for supplying heat to said vaporizer and pressure responsive means for controlling the flow of heat to said vaporizer incorporated in said apparatus on the upstream side of said gas pressure regulating means.

2,234,408
LOOM REED
Arno Hornig, Pawtucket, R. I., assignor to Excelsior Loom Reed Works, Inc., Pawtucket, R. I., a corporation of Rhode Island
Application September 25, 1939, Serial No. 296,488
3 Claims. (Cl. 139—192)



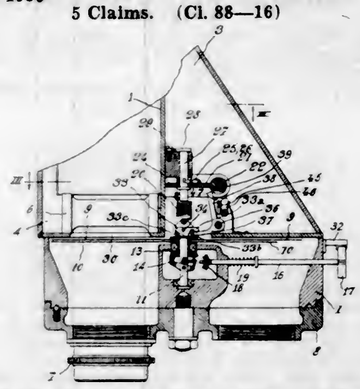
1. A loom reed, comprising a series of dents, a rectangular frame for holding the dents in position, means adjacent the ends of the dents for holding them in spaced relation and side rails for confining the exposed ends of the dents having edges engaged with the dent spacing means with said engaged edges having notches for allowing the circulation of air, oil and solder to prevent corrosion along the points of contact of the dents with the rectangular frame.

2,234,409
NURSING BOTTLE HOLDER
Loyd W. Humphrey, Detroit, Mich.
Application June 22, 1939, Serial No. 280,615
4 Claims. (Cl. 248—104)



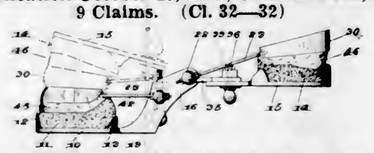
1. A nursing bottle holder comprising a bottle holding arm fixed at one end and formed with an offset portion near its opposite free end, said offset portion having spaced parallel parts and a flat rubber band of greater width than thickness placed under tension in positioning the same on the said opposite parallel parts, said band supporting the bottle inserted therewithin out of contact with and free from rigid alignment by the said parallel parts and permitting movement of the bottle in any direction under restraint by the band.

2,234,410
PHOTOGRAPHIC CAMERA
Isaac Kitroser, Viroflay, France, assignor to Société Bronzavia, Courbevoie, Seine, France, a society of France
Original application April 21, 1937, Serial No. 138,254. Divided and this application October 11, 1938, Serial No. 234,440. In Belgium April 25, 1936
5 Claims. (Cl. 88—16)



1. A photographic camera which comprises, in combination, a lens, means for intermittently feeding a photographic film in the field of said lens, shutter structure for controlling the light between said lens and the film, means to exert a tension on said shutter structure, a movable member, means operated by movement of said member to operate said film feeding and tension exerting means, means to hold said shutter structure against actuation by tension, means to release said holding means including a lever movable towards said movable member, said movable member having a notch therein engageable by said lever to permit actuation of said release means when said movable member is in such position that said notch is opposite said lever, locking means for holding said movable member in such position, means to hold said locking means in locking position, means urging said locking means away from locking position, and means operated by movement of said lever into said notch to release said last holding means, whereby said locking means releases said movable member.

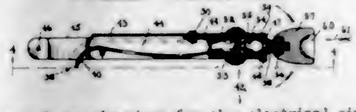
2,234,411
DEVICE FOR MAKING DENTAL PLATES
William S. McDonald, Shawnee, Kans.
Application October 19, 1940, Serial No. 361,971
9 Claims. (Cl. 32—32)



1. A device for making dental plates comprising a frame having a holder for receiving a matrix formed from an impression of the lower jaw, a counterdie adapted to support false teeth, means pivotally mounting the die on the frame, a holder for a matrix formed from an impression of the upper jaw, means pivotally mounting the holder on the frame, a second counterdie for supporting false teeth corresponding to the number required to complete the

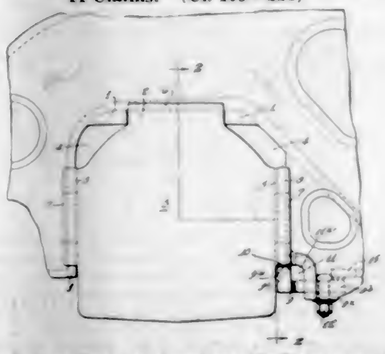
upper set, and means pivotally mounting the second die on the frame, said dies interfitting and seating upon each other, said dies and holders being so positioned relative to each other that correct articulation between the parts is had.

2,234,412
SWITCH MECHANISM FOR VEHICLE SIGNALS
Peter Nielsen, Omaha, Nebr., assignor to Jubilee Manufacturing Company, Omaha, Nebr., a corporation of Nebraska
Application October 23, 1939, Serial No. 300,710
1 Claim. (Cl. 200—59)



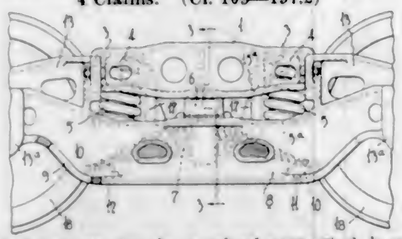
A switch mechanism for the electrical circuits of automobile horns comprising a body portion bent to provide oppositely disposed side walls extending beyond the body portion to provide clamping arms, said body portion also bent to form an end wall in abutting parallelism with said side walls, a cover within said support, said cover comprising a plate secured to the body portion and bent parallel with said body to abut against the end wall thereof, said support adapted to be secured to the metallic steering mast of said automobile adjacent the perimeter of the steering wheel of said mast, oppositely disposed terminals for one of the ends of each of the said circuits associated with said support within said cover, said terminals being insulated with respect to each other and said support, a metallic lever disposed in contact with said support having an end adapted to be selectively moved into contact with either or both of said terminals, resilient means for normally maintaining the said end of the lever out of contact with said terminals, and a knob carried by said lever, said knob having a recess for the reception of an operator's finger tip for moving said lever against the urge of said spring.

2,234,413
CAR TRUCK
Claude L. Orr, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application December 5, 1938, Serial No. 244,095
11 Claims. (Cl. 105—221)



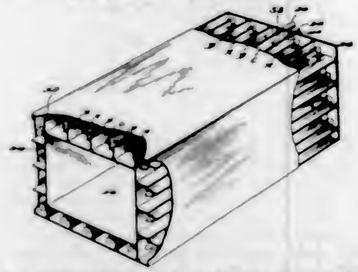
4. In a railway car truck, a side frame member having pedestal columns arranged at opposite sides of a pedestal opening, a journal box extending into said opening, an invertible substantially L-shaped retaining plate for the journal box arranged at the lower end of one of said columns, and means detachably securing the retaining plate to the side frame member, the retaining plate having a head, and the side frame member having a recess to receive said head when the retaining plate is in retracted position to prevent the head from obstructing the removal of the journal box.

2,234,414
RAILWAY CAR TRUCK
Claude L. Orr, Bexley, Ohio, assignor to The Buckeye Steel Castings Company, Bexley, Ohio
Application April 29, 1939, Serial No. 270,884
4 Claims. (Cl. 105—197.2)



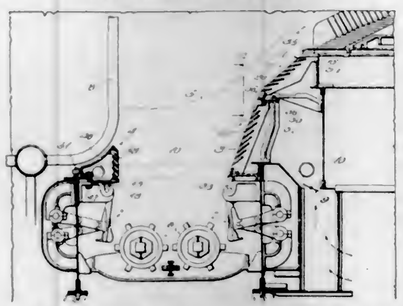
1. In a car truck, a wheel-supported beam-type side frame member at each side of the truck having a journal box at each end thereof, and a box-section portion extending substantially from one journal box to the other, the box-section portion of each side frame member having upwardly projecting bolster guides arranged adjacent to the journal boxes of that member, a substantially H-shaped bolster provided with pairs of oppositely extending arms slidably engaging said bolster guides, helical springs positioned on top of each of said box-section portions and arranged at opposite sides of the transverse center line of the truck and beneath said arms, the end portions of the bolster being supported by said helical springs, and other spring means having frictional absorption properties, housed substantially in said box section portions, and having contact with said bolster along said transverse center line, said spring means resting on the bottom of the side frame box-section portions.

2,234,415
QUICK FREEZE REFRIGERATOR UNIT
Walter S. Phillips, Greensboro, N. C.
Application September 21, 1939, Serial No. 295,970
4 Claims. (Cl. 62—126)



1. An evaporator for a refrigerator, comprising spaced inner and outer shells of sheet material, end wall members engaged between the end portions of said shells for enclosing an evaporator chamber therebetween, a single, longitudinal baffle comprising a strip of material extending to each end wall and having the side edges thereof engaged with the respective surfaces of the shells, refrigerating fluid inlet and outlet means disposed on each side, respectively, of said baffle, two groups of substantially identical, longitudinal baffles formed of strips of material of a width substantially equal to the distance between the shells and of a length substantially shorter than said shells, the members of one group being disposed, successively, from each side of said single baffle at spaced intervals, the ends of said group abutting one end wall member, the individual members of the other group being disposed between each pair of the first-mentioned group and having their ends abutting the opposite end wall.

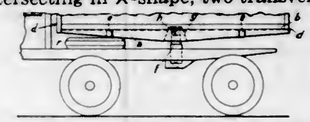
2,234,416
FURNACE GRATE CONSTRUCTION
William A. Riddell, Frederick, Md., assignor to The General Engineering Company, Frederick, Md., a corporation of Maryland
Application August 15, 1939, Serial No. 290,249
5 Claims. (Cl. 110—44)



5. In a furnace, a stationary grate inclined at a sufficiently sharp angle so that fuel supplied to the upper end may gravitate downwardly thereover while in a state of combustion, said grate comprising separately removable elongated sections disposed in generally vertical parallel planes, an upper support extending adjacent to the upper ends of the sections, and a lower support extending horizontally under lower parts of the sections, said upper support and upper section ends being connected by coacting tongue and groove means partly engaged with said sections in mounted positions and wholly engageable for limited vertical movement of said sections from mounted positions, and said lower support and lower section parts being connected by vertically separable tongue and groove means which are held in locked engagement by the weight of the sections to restrain forth and back movements thereof, the limited vertical movement of said sections being adequate for separation of said tongue and groove means by lifting the lower section ends to permit selective removal of the sections.

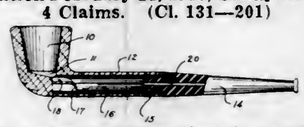
2,234,417
TIPPING FRAME FOR WAGONS
Max Roedel, Munich, Germany, assignor to F. X. Meiller, Maschinenfabrik & Wagenbauanstalt, Munich, Germany
Application November 15, 1938, Serial No. 240,543
In Germany May 8, 1937
1 Claim. (Cl. 296—28)

An X-shaped tipping frame for the box of a wagon, comprising in combination with the rectangular tipping frame two load carrying girders intersecting in X-shape, two transverse bars



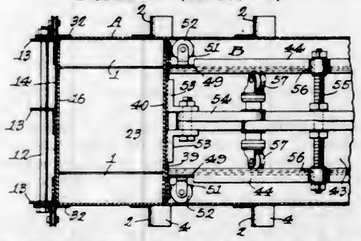
under said girders, and a supporting head-plate extending under said X-shaped girders and resting on said transverse bars and destined for the engagement of hydraulic jacks.

2,234,418
SMOKER'S PIPE
William Rubly, Indianapolis, Ind.
Application February 14, 1940, Serial No. 318,786
4 Claims. (Cl. 131—201)



1. For a pipe having a pipe stem and a bowl with a floor above the bore in the pipe stem and a lower opening at the junction of the inner bowl wall and its floor for communication between the bowl and the bore of the pipe stem, a filter holding element consisting of a tube open at its rear end, and having a central top longitudinal opening intermediate front and rear tube end portions, an imperforate wall across the front end portion of the tube closing off the major bore of the tube from its under side, and a depressed top part of the tube extending rearwardly longitudinally from the front end of the tube over said wall, said tube being of a diameter to fit snugly by its front and rear ends at least within that pipe stem bore whereby there is a smoke discharge passageway provided from said bowl through said bowl opening downwardly onto and over said depressed tube part over said tube front wall and into the tube and out through its rear end portion, whereby a filtering medium may be placed in and removed from said tube through its said longitudinal opening.

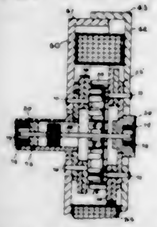
2,234,419
BALING PRESS
Susie Warlick Thomas, College Park, Ga.
Application August 23, 1939, Serial No. 291,603
4 Claims. (Cl. 100—9)



1. A baling press including a housing having a top or feed opening and an end or outlet opening, there being longitudinal slots in the sides of the housing, a gate adapted to close the outlet opening, a door adapted to close the feed opening, a follower including a head, a structure extending from the head and mounted for movement longitudinally within the housing, anti-

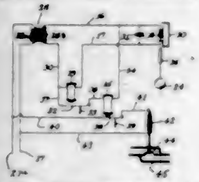
friction devices between said structure and the housing, a lazy-tongs anchored adjacent to one end to the housing and connected at its other end to the head of the follower, anti-friction means between the lazy-tongs and said structure for reducing friction, a jack, and means actuated by the jack for actuating the lazy-tongs to move the follower in one direction relative to the housing.

2,234,420
SYNCHRONOUS ELECTRIC MOTOR
Elmer A. Traeger, Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application October 29, 1938, Serial No. 237,621
5 Claims. (Cl. 172—278)



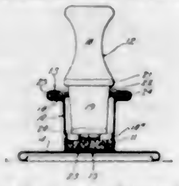
4. A synchronous motor comprising a housing having two substantially parallel opposite interior surfaces, a series of poles extending inwardly from one of said surfaces and lying in substantially a cylindrical surface, a second series of poles extending inwardly from the other of said surfaces and surrounding said first series, shading means for alternate poles of each of said series of poles, an energizing coil positioned within saisd housing and surrounding said second series of poles, and a rotor for cooperation with said poles having a circumferential flange which extends between said first series and said second series of poles.

2,234,421
FLOAT CONTROL
Jacob Lee Turner, Milton, Mass.
Application June 4, 1938, Serial No. 211,827
1 Claim. (Cl. 175—320)



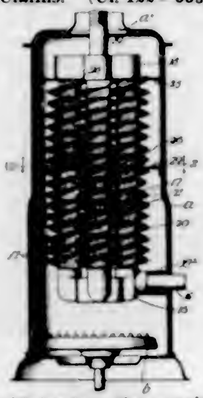
Electric float control apparatus comprising a vertically disposed fixed tubular member of low magnetic permeability having its upper portion surrounded by a coil; a magnetic conductor of high magnetic permeability arranged externally of said coil; a transformer connected to a source of alternating electric current; a circuit connected to the secondary winding of said transformer and including said coil and a relay and a condenser arranged in the circuit in parallel with said coil; and a floating armature member of high magnetic permeability movable within said fixed tubular member into and out of the path of magnetic flux of said coil in accordance with changes in the level of a liquid; the said coil and said condenser having such relative electrical characteristics that upon the impedance of said coil being increased by the positioning of the movable armature within the path of magnetic flux of said coil the said circuit is placed in a condition of resonance with no effective flow of current sufficient to energize the relay, and that upon the impedance of said coil being reduced by the withdrawal of the movable armature from the path of magnetic flux of the coil effective current flow is established in said circuit sufficient to energize said relay.

2,234,422
STAMP AND INKING MEANS THEREFOR
Ozro N. Wiswell, Los Angeles, Calif., assignor to Swingspout Measure Co., Los Angeles, Calif., a corporation of California
Application July 28, 1939, Serial No. 287,058
13 Claims. (Cl. 101—333)



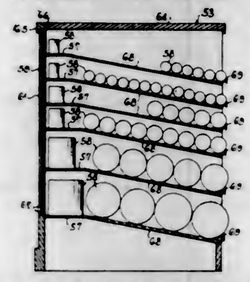
1. In combination, two elements, one a stamp, the other a holder for receiving the stamp, an inking pad in the holder, and packing material on one element cooperable with the other element to seal between the internal surface of the holder and the side surface of the stamp and to removably support the stamp in the holder in a position where it is clear of the pad, the packing material being yieldable to allow depression of the stamp into engagement with the pad.

2,234,423
HEATING MEANS
Robert A. Wittmann, Chicago, Ill., assignor to Thermek Corporation, Chicago, Ill., a corporation of Delaware
Application March 23, 1939, Serial No. 263,706
2 Claims. (Cl. 122—333)



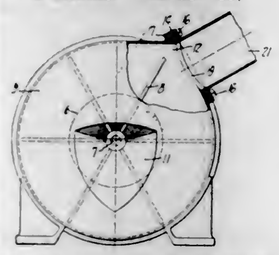
1. In a liquid heater, the combination of a burner for gaseous fuel having a hydrogen content, a tube through which the liquid flows, extending longitudinally of the flow of the combustion gases from the burner, and heat-exchange spines integral with and extending outwardly from the outer periphery of the tube, said spines having their inner portions formed sufficiently close together to exclude the hot flue gases from the surfaces of the tube and the portions of the spines adjacent the tube in the zone where the temperatures are below the dew point, for preventing condensation of water vapor in the gases and on the tube and spines.

2,234,424
STORE AND STORE COUNTER
James G. Alley, Greensboro, N. C.
Application December 14, 1938, Serial No. 245,691
4 Claims. (Cl. 312—45)



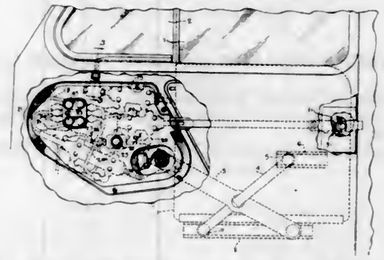
1. A store counter having a flat top and a transparent front for displaying and storing packages and having a plurality of chutes extending from the front to the rear side thereof, the bottom of each of said chutes having a substantially horizontal portion adjacent the front side for displaying a package, the remaining portion of said bottom being smooth and inclined downwardly and rearwardly from said horizontal portion whereby the packages stored therein will move rearwardly by gravity, the rear side of the counter being open whereby packages may be removed therefrom; and means disposed at the rear end of each chute for arresting the packages as they move rearwardly.

2,234,425
MANUFACTURE OF SNOW ICE
Frank W. Brady, San Francisco, Calif.
Application August 17, 1939, Serial No. 290,589
3 Claims. (Cl. 83—63)



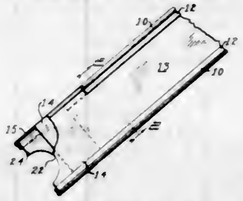
1. A machine for producing snow ice from crushed ice comprising a substantially flat bladed multivaned rotor, a casing about the rotor, an inlet to said casing and to said rotor, an outlet on the periphery of said casing, and a grill over said outlet for receiving and comminuting ice thrown off the rotor, said grill including a plurality of spaced members extending generally parallel to the plane of rotation of said rotor but at a slight angle thereto, said spaced members having their ends at one end of the grill spaced from said rotor to permit ice to enter between the rotor and the members, said members extending from said end in toward the rotor in the direction of rotor rotation and at least over a portion of their length substantially to engage the rotor whereby the rotor is effective to force ice, initially between the members and the rotor, finally between the members.

2,234,426
CONTROL PANEL AND POWER CONTROL FOR VEHICLE DOOR INSTRUMENTALITIES
Floyd A. Cooley, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 5, 1938, Serial No. 217,478
1 Claim. (Cl. 296—44)



A power instrument installation for automobile doors comprising a unit panel, means for removably securing the panel in a door, a plurality of fluid operated pistons and cylinders located on the panel and for connection with and power operation of devices in the door such as window regulators for window panels, locks, etc. and one or more control panels having pipe connections with the fluid cylinders and located at any desired position with respect to the unit panel and carrying on the inside valves for the fluid pipes to selectively control the operation of the pistons in the fluid cylinders and thereby control the instrumentalities on the door operated by the same, said valves being controlled by push buttons on the outside of the control panel and arranged to be substantially flush with the inside face of the door, when the control panel is in place.

2,234,427
FILM SLIDE HOLDER
Claude E. Cox, Detroit, Mich.
Application February 9, 1939, Serial No. 255,394
5 Claims. (Cl. 88—26)



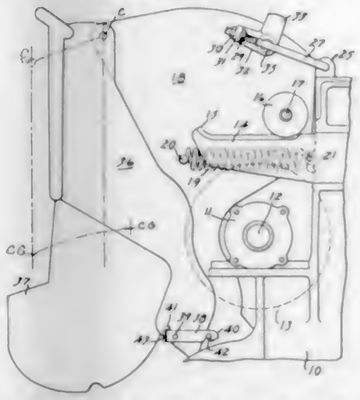
1. A film slide comprising, in combination, a pair of opposed complementary channel frame elements each having its side walls held resiliently toward each other, means engaged within said frame elements holding them in spaced apart relationship including a pair of transparent plates of substantially equal width disposed on opposite sides of a plurality of aligned films of substantially equal width, said plates having their marginal portions received and seated within the

channel frame elements, said transparent plates held yieldingly together by the side walls of the frame elements.

2,234,428
MANGANESE ALLOY
Reginald S. Dean, Washington, D. C., assignor to Chicago Development Company, Chicago, Ill.
No Drawing. Application September 16, 1938, Serial No. 230,209
3 Claims. (Cl. 75—134)

3. An alloy comprising from 1% to 10% nickel, from 2% to 20% copper, and the balance being substantially all manganese, the manganese constituting from 80% to 97% of the alloy.

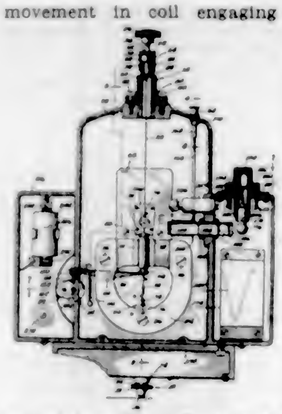
2,234,429
MECHANISM FOR OPENING HULLER GIN BREASTS
Frank E. Deems, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application December 29, 1938, Serial No. 248,231
9 Claims. (Cl. 19—56)



1. In a huller gin, saws, a double breast comprising a roll box, and means to move said double breast into and out of operative relation to the saws, said double breast comprising an inner breast and an outer breast, means to hang the outer breast in unbalanced relationship to the inner breast whereby its lower end when free will swing by gravity away from the inner breast into position to dump the roll box contents, and releasable means for normally holding the breasts assembled in operative relationship.

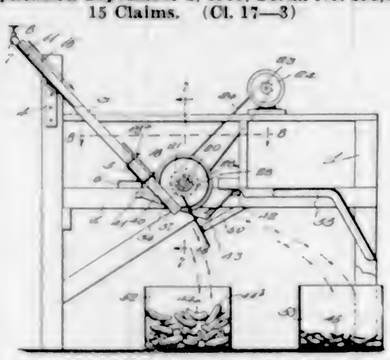
2,234,430
GALVANOMETER
Francis C. Ellis, Chicago, Ill.
Application April 9, 1938, Serial No. 201,080
21 Claims. (Cl. 171—95)

2. In combination with a galvanometer comprising a coil arranged in a magnetic field and having suspension means therefor, means adapted to lift the coil off its suspension when in disuse, means for actuating said lifting means into interengagement with the coil, yieldable means for urging the lifting means into coil engaging position, means for actuating said coil lifting means away from coil engaging position, and interlocking means associated therewith for positively interengaging the lifting means against vertical movement in coil engaging position



whereby to maintain the coil positively in supported position.

2,234,431
METHOD AND APPARATUS FOR BONING AND CUTTING FISH
Albert N. Faulkner, Tilghman, Md.
Application September 2, 1939, Serial No. 293,294
15 Claims. (Cl. 17—3)

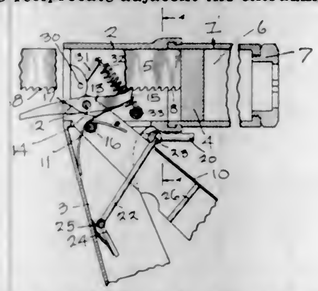


1. The method of preparing fish fillets which comprises hydraulically conveying fish after being decapitated and eviscerated to a cutting position, separating the backbone from the fillets by a high speed rotary slicing operation while washing the fish, discharging the backbone in a substantially horizontal direction by centrifugal force, and gravitating the fillets to a collecting position.

2,234,432
MACHINE FOR FORMING PLASTIC MATERIALS
Mario Gallo, San Francisco, Calif.
Application May 15, 1940, Serial No. 335,292
1 Claim. (Cl. 107—52)

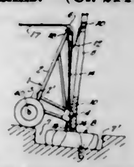
A portable device for forming wafers from plastics, comprising a cylindrical container for bulk plastics; a die for preforming the plastic as it is extruded from an end of said container; a carrier for said container having means thereon for detachably supporting said container; a plunger slidably confined in said carrier; a manually operated trigger and pawl on the carrier to advance said plunger intermittently into the container against the plastic to force the same from

said container; a plastic cut-off means consisting of a U shaped frame having a wire stretched across the legs thereof pivotally mounted on the carrier to reciprocate adjacent the extruding die;



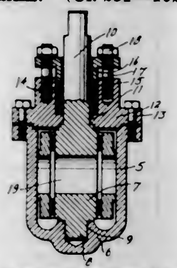
and means on said trigger to automatically operate said plastic cut off means at the termination of the trigger stroke across the outer face of the die, and a spring to return the cut off means to position for further operation.

2,234,433
TREE MOVER
Wallace L. Jeffrey, Fulton, Mo.
Application August 22, 1939, Serial No. 291,195
7 Claims. (Cl. 214—3)



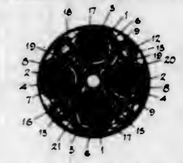
2. A tree transplanter comprising an oblong bunk-chassis having a pair of road wheels at one end, one on each side, whereon the chassis is tiltable when applied to the tree, a power cable having means at one end to engage the tree-ball, a pair of chains attached to the opposite end of said chassis with their opposite ends attached to the root-ball and tree trunk respectively, and a grooved guide removably mounted on the narrow end of said chains to releasably receive and guide said cable as the tree is lifted and pulled over onto the chassis by means of said cable.

2,234,434
VALVE
Charles F. Johnson, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application October 27, 1938, Serial No. 237,187
4 Claims. (Cl. 251—102)



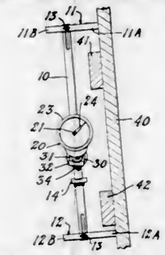
1. In a valve, a body member having inlet and outlet openings and a seat about one of said openings, a rotatable carrier mounted in said body and extending transversely of said body with respect to said inlet and outlet openings, a closure member mounted thereon and movable by rotation of said carrier to and from seated position against said seat, and a protective part movable to protect said seat when said closure member is moved away therefrom, said closure member and said protective part being separate from each other and floatingly mounted upon said carrier.

2,234,435
CONDUCTING CABLE
Frederick H. Johnson, Ferndale, Mich.
Application December 23, 1939, Serial No. 310,671
1 Claim. (Cl. 174—15)



A cable comprising a yieldable and expansible elongated central core having integrally formed fins extending radially and spirally from and about the central longitudinal axis of the core and yieldable tubular portions integrally connected to and located between the fins; electrical conductors disposed in the tubular portions; and yieldable tubular portions integrally connected to the outer edges of the said fins and to the outer surfaces of the first-named tubular portions for conducting fluids therethrough and cooperating with the fins to counteract the inductive electrical reactance and radial movement of the electrical conductors by the flow of the current through the conductors.

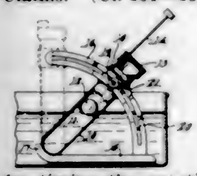
2,234,436
INCLINOMETER
Bertell W. King, Brooklyn, N. Y.
Application July 19, 1939, Serial No. 285,282
1 Claim. (Cl. 33—214)



An inclinometer comprising an elongated bar, arms pivotally connected to said bar near its ends arranged to be positioned transversely to the bar to form abutment members adapted to be held in substantially vertical alinement in one plane against a surface of which the inclination is to be measured, said arms when in transverse position projecting an equal distance from one side of the bar and a different equal distance from the other side of the bar, a handle affixed to the bar intermediate its ends projecting from the bar at right angles to said arms, a mechanism supported by said bar comprising a graduated dial, an actuating pointer associated with

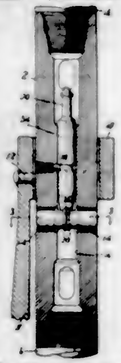
said dial, an adjustable level, reducing gearing between the actuating pointer and the adjustable level, a pointer movable with the adjustable level, and a graduated scale associated with the level pointer.

2,234,437
DEVICE FOR TIMING A CHEMICAL REACTION
Samuel S. Kistler, West Boylston, Mass.
Application March 29, 1939, Serial No. 264,874
19 Claims. (Cl. 161—15)



1. A device for timing the reaction of chemical reagents comprising a viscous medium and an associated body which are relatively movable under an impelling force and in frictional relationship, said fluid being so constituted that the relative movement of fluid and body is proportional to the rate of the chemical reaction at different temperatures when the fluid and the reagents are held at related temperatures.

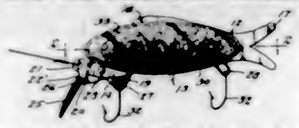
2,234,438
TOOL REMOVING DEVICE
Gottdank L. Kothny, Strafford, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application April 18, 1940, Serial No. 330,291
8 Claims. (Cl. 294—93)



1. Means for effecting removal of a tool such as a whipstock or the like from a bore hole comprising a body arranged to be included in a drill string above the bit, means carried by said body and yieldingly urged outwardly to engage and lift a tool with the drill stem, and means restraining the last named means from outward movement

2,234,439
FISH LURE
Karl R. Larson, Minneapolis, Minn.
Application July 24, 1939, Serial No. 286,101
9 Claims. (Cl. 43—46)

1. A fish lure body provided at its front end with a depending lip flange, a metallic line-attaching plate secured to said lip flange and formed with a neck and outward of said neck with a line-attaching eyelet, and a spoon secured on said neck with freedom for wobbling move-



ments in respect to said attaching plate and lure body.

2,234,440
HAIR CUTTING AND TRIMMING DEVICE
Harrison Lewis, San Francisco, Calif.
Application March 8, 1940, Serial No. 322,935
2 Claims. (Cl. 30—30)



1. A compact hair cutting and trimming device comprising a base having an upper surface which is upwardly curved, a threaded stud extending at substantially right angles from said surface, a blade removably disposed on said surface with its cutting edge extending beyond the front of said base, a plate removably overlying said blade and including a plurality of elongated, spaced teeth extending from the front thereof; said teeth being recessed on their under sides for receiving the cutting edge of said blade when flexed, inclined guides formed on said plate between adjacent teeth for conveying hair that has been cut away from the cutting edge of said blade, and a handle detachably connected to said stud for holding said plate, blade and base together and for drawing the cutting edge of the blade at any desired angle with respect to the scalp; said handle being adapted, when affixed to said stud, to flex said blade to bring the cutting edge thereof into the recesses of said teeth.

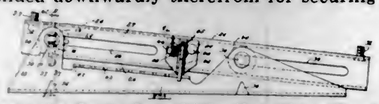
2,234,441
INSULATING GROMMET
Gerald C. Ludwig, Detroit, Mich.
Application May 19, 1939, Serial No. 274,607
4 Claims. (Cl. 174—153)



1. An insulating grommet comprising a metal insert having an aperture therethrough the margin of which is drawn axially with respect to the aperture, prongs formed integrally with the drawn margin of the aperture, a rubber body covering said insert and having an angular portion covering the drawn margin of the aperture.

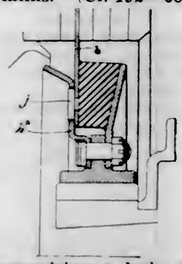
2,234,442
ADJUSTABLE SEAT MOUNTING
Walter R. Lustig, Rockford, Ill.
Application July 25, 1938, Serial No. 221,046
15 Claims. (Cl. 155—14)

1. In a longitudinally movable seat, the combination of a fixed floor bracket, a seat-supporting bracket movable relative thereto, said floor bracket being of channel-shaped cross-section and said seat bracket being of inverted channel-shaped cross-section, the floor bracket having upward extensions on the side walls thereof and the seat-supporting bracket fitting therebetween, both brackets having web portions connecting their side walls, means extending upwardly from the web portion of the seat bracket for securing the same to the bottom of a seat, the web portion of the floor bracket being adapted to have means extended downwardly therefrom for securing the



same to the floor of a vehicle, the side walls of the seat bracket having longitudinal slots provided therein, supports extending transversely between the upward extensions on the side walls of the floor bracket through said longitudinal slots and carrying rollers thereon in raised relation to the web portion of the floor bracket, said rollers rollingly engaging only the bottom surface of the web portion of the seat bracket, and means for releasably securing said seat bracket in longitudinally adjusted relation to the floor bracket.

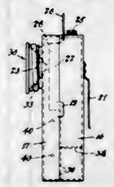
2,234,443
CLUTCH
Colin Macbeth, Birmingham, England
Application October 24, 1939, Serial No. 300,959
In Great Britain October 21, 1938
11 Claims. (Cl. 192—68)



1. A clutch comprising a hub, a rubber annulus bonded on each side to metal plates one of which is connected to said hub, while the other is arranged for transmitting the drive, an emergency driven plate rigid with said hub and adapted for engagement with formations on the surface remote from the rubber, of the metal driving plate.

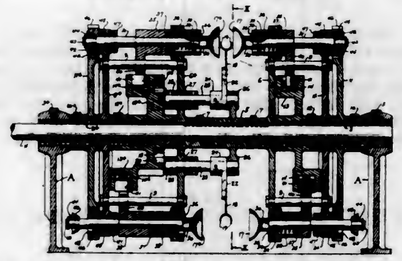
2,234,444
ILLUMINATING DEVICE
John W. Martin and Robert W. Martin, Brooklyn, N. Y.
Application August 9, 1939, Serial No. 289,198
4 Claims. (Cl. 240—6.4)

1. A device including a generally flat vertically elongated rectangular casing comprising a plurality of relatively shallow casing sections hingedly interconnected at one edge along a vertical axis to constitute a unitary structure in the open and closed position of the casing, one of said casing sections being a main section and the other being a cover section, means for mounting a plurality of batteries in side by side relation to each other in the upper portion of the main casing section and for mounting a lamp in operative relation to said batteries at a point between the latter, a removable plate at the upper portion of the said main casing section and covering the front side of said batteries and having an opening for said lamp, said plate projecting from the main casing section into the upper part of the cover section, said lamp projecting beyond said plate and removably extending through an opening in the cover section so that the lamp is removed therefrom on opening the casing, said cover section having a reflector ex-



ternal of the casing for cooperative relation with said lamp, said casing sections having individual compartments in the lower portions thereof, said compartments being closed by closing said casing and being otherwise open and being directly accessible and exposed to said lamp on opening said casing, with said plate constituting an auxiliary reflector adapted to project light toward the interior of the cover section when the casing is opened.

2,234,445
FRUIT PITTING AND HALVING MACHINE
Nikolai Martinsen, Palo Alto, Calif.
Application January 6, 1940, Serial No. 312,703
5 Claims. (Cl. 146—28)

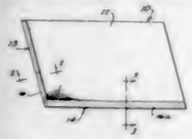


1. In a machine of the character described a pair of gripping members movable to and away from each other to engage and clamp the exterior surface of a fruit to be halved and pitted, a knife having a fork-shaped portion and a straight portion, both presenting cutting edges, means for moving the knife from a position exterior of the fruit into the same to a point where the fork-shaped portion of the knife straddles the pit, means for rotating the gripping members and the fruit one revolution while the knife straddles the pit to cut the pit free from the fruit and to simultaneously halve the same, and means for separating the gripping members to permit the two halves and the pit to fall free from the knife and the gripping members.

2,234,446
COMPOSITION SHINGLE AND ROOF FORMED THEREWITH
Theophilus Gregory Murphy, Los Angeles, Calif.
Application July 29, 1940, Serial No. 348,321
12 Claims. (Cl. 108—7)

1. As an article of manufacture, an individual composition shingle comprising: a sheet of composition roofing material having an asphaltic

coating and a layer of partially embedded granular material on one face thereof, said sheet having an outline generally in the shape of a parallelogram with two of its sides meeting at one corner at an obtuse angle, said shingle be-



ing adapted for laying in accordance with the "Dutch lap" method whereby said corner and portions of said sides are exposed; and a reinforcing coating of granular material partially embedded in asphaltic material covering the exposed marginal portions of said sides.

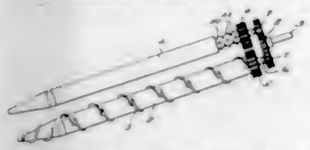
2,234,447

ROLL ARRANGEMENT FOR CORN PICKERS

Clifford Norman, Paton, Iowa, assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application October 24, 1939, Serial No. 301,060

4 Claims. (Cl. 130—5)



1. In a corn picking machine, a pair of smooth upper rolls, a pair of rough lower rolls, means for driving all four rolls in a direction to pull a corn stalk between the rolls of the pairs downwardly, with the lower pair of rough rolls pulling the stalks through the smooth upper rolls and said smooth rolls snapping the ears from the stalks.

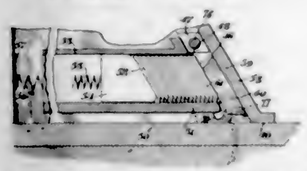
2,234,448

METHOD OF FASTENING AND APPARATUS THEREFOR

Emanuel R. Posnack, New York, N. Y.

Application November 4, 1938, Serial No. 238,820

14 Claims. (Cl. 1—47)



1. In a machine for driving a single-pronged fastener, a plunger operatively engageable with the fastener, and an inclined support for supporting the plunger and fastener and directing them at an inclination with respect to the surface of the work being fastened, said support being wholly removed and in spaced relation to the work whereby a partially driven fastener that has passed beyond said support will contain a laterally unsupported inclined column extending out of the work and in the path of the plunger, the plunger during its operative movement being at all times substantially parallel to the fastener and being engagable with said column to cause a collapse thereof against the work.

2,234,449

CUTTER CHAIN

Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application July 20, 1938, Serial No. 220,165

5 Claims. (Cl. 74—254)



3. In a chain of the character described, a pair of chain links, and means to pivotally connect said links together including a bearing member split in the plane of travel of the chain to form two aligned and abutting bearing portions having surfaces which abut adjacent the central portion of the chain, one of said bearing portions extending through one link and a part of the next adjacent link and having a shouldered recessed portion therein, said other portion extending through said next adjacent link and having a shouldered projecting portion engaging said shouldered recessed portion, to provide an interlocking connection between the inner ends of said split bearing member, and means to secure said split bearing members together and prevent turning movement of one of said bearing members with respect to the other.

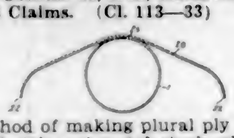
2,234,450

METHOD FOR MAKING TUBES

Bert L. Quarnstrom, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan

Application October 14, 1938, Serial No. 235,053

3 Claims. (Cl. 113—33)



1. The method of making plural ply tube from a plurality of strips of metal stock wherein the plies and seams are united by fused sealing metal; the steps comprising fashioning one strip into an inner ply of hollow cross sectional form, fashioning and setting portions of an outer strip adjacent its edges, on radii shorter than the radius of the outer ply in the finished tube, fashioning the outer strip around and contiguous to the inner ply with pressure to stress the metal of the outer ply incident to the resultant increase of the said radii of curvature of said portions, which stress causes the edge portions of the outer strip to frictionally engage the inner ply, whereby the outer ply is self shape-retaining upon the inner ply.

2,234,451

BORING TOOL

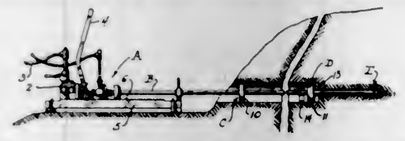
Bernard Ransome, Diablo, Calif., assignor to Ransome Company, Emeryville, Calif., a corporation of California

Application November 29, 1939, Serial No. 306,699

3 Claims. (Cl. 255—73)

1. A rotary boring tool of the character described adapted for rotation in one direction only, said tool having a central elongated hub, a pair of radially extending substantially diametrically opposed cutting blades secured to the front end of the hub and disposed on an angle to cut when

the boring tool is being advanced, a similar pair of cutting blades secured to the rear end of the hub, but with the angle reversed so as to cut when the tool is being retracted, a cylindrical



sleeve disposed intermediate the front and rear cutting blades and spaced from both, and spokes on the hub securing said sleeve in a position concentric with the hub.

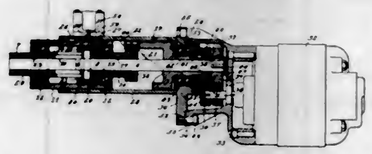
2,234,452

DRILLING UNIT

Axel F. Rehnberg, Rockford, Ill., assignor to Rehnberg-Jacobson Mfg. Co., Inc., Rockford, Ill., a corporation of Illinois

Application August 17, 1938, Serial No. 225,405

11 Claims. (Cl. 77—6)



1. In combination, a driven spindle adapted to drive a drill or other tool, means for supporting said spindle for rotation and reciprocation, means comprising a drive shaft having a direct driving connection with the spindle for rotating the spindle at a substantially constant speed, said direct driving connection consisting of a gear fixed on the shaft in direct mesh with a gear fixed on the spindle, and means for reciprocating said spindle in feed and return movements including a cylindrical end thrust cam in concentric relation with and closely surrounding the spindle, said cam having an internal endless cam slot provided therein intermediate the ends thereof, a follower turning with the spindle close to the axis thereof and projecting into said slot for positive actuation of the spindle in its reciprocatory movement during rotation, and means consisting of a gear fixed on the cam meshing directly with a gear fixed on the drive shaft for driving said cam at a substantially constant speed bearing a predetermined differential relationship to the speed of the spindle.

2,234,453

SHOE PLATE

Frederick D. Reynolds, University City, Mo.

Application July 22, 1939, Serial No. 287,303

1 Claim. (Cl. 36—73)



A metallic shoe plate comprising an arcuate shaped member having at its outer edge an upwardly directed flange, and U-shaped recesses along its inner edge forming a plurality of lugs, said flange being recessed at its edges substantially opposite the base of the U-shaped recesses, each lug having an attaching prong the inner surface of which slopes upwardly, and apertures in each lug for fastening the plate to a shoe.

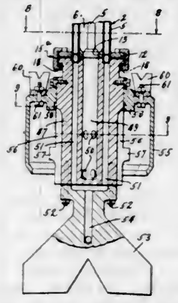
2,234,454

APPARATUS FOR DRILLING WELLS

Herman F. Richter, Los Angeles, Calif.

Application May 20, 1940, Serial No. 336,066

14 Claims. (Cl. 255—24)



1. In an apparatus for drilling wells, a plurality of drill pipe sections each having a squared exterior and including an intake and outtake passage for drilling fluid.

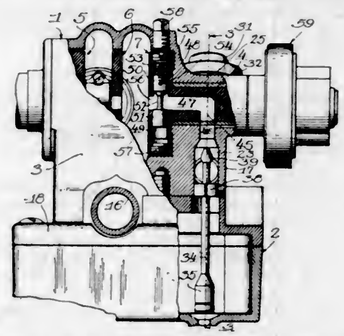
2,234,455

FUEL GAS CARBURETOR AND LUBRICATOR

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

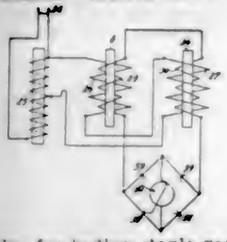
Application August 6, 1938, Serial No. 223,459

2 Claims. (Cl. 123—73)



2. In an internal combustion engine of the two-cycle type having a crank case, a crank shaft rotatable therein and a lubricant supply, a fuel gas carburetor for supplying a combustible mixture and lubricant to the crank case and comprising a mixing chamber, an adjustable air inlet for controlling the quantity of air entering the mixing chamber, an inlet from the lubricant supply to the mixing chamber having a check valve control, a fuel gas inlet to the mixing chamber connected to a fuel gas supply under pressure and provided with a check valve control, and a rotary intake valve provided in and adapted to open at each revolution of the crank shaft for drawing into the mixing chamber a requisite quantity of fuel gas, air and lubricant.

2,234,456
APPARATUS FOR TESTING GOODS
Werner T. Schaurte, Schloss Lauvenburg, near Neuss-on-the-Rhine, and Heinrich Lange, Dusseldorf, Germany, assignors to Bauer & Schaurte, Neuss-on-the-Rhine, Germany, a corporation of Germany
Application April 4, 1938, Serial No. 199,970
In Germany March 5, 1937
4 Claims. (Cl. 175—183)



1. In a device for testing staple goods of iron or other metal, without affecting the surfaces, the combination of comparative electric apparatus, one for a normal piece and one for the piece to be tested, means in said apparatus for the magnetizing of both of the pieces with the same amplitude permeability at a low intensity of field less than the coercive force, said magnetization being only to such an extent that the hysteresis laws for small field strengths are still valid, and means for measuring each of said magnetizations, said hardness and field intensity less than the coercive force being exactly proportional to each other.

2,234,457
PAPERBOARD MANUFACTURE
Florian A. Strovink, Medford, Mass., assignor to Bennett Incorporated, Cambridge, Mass., a corporation of Massachusetts
Original application October 9, 1937, Serial No. 168,234. Divided and this application March 31, 1939, Serial No. 265,219
10 Claims. (Cl. 92—39)



7. In the production of a paperboard sheet designed to cleave apart most readily on predetermined internal planes, that method which comprises independently forming an internal ply of such paperboard sheet from papermaking stock containing a water-repellent cellulose-softening agent in amount ranging from about ¼% to 5% of its dry weight so as to yield a ply of relatively low ply adhesion, said agent being selected from a class consisting of oil and wax, independently forming the other and external plies of such paperboard sheet from well-beaten and sized papermaking stock capable of yielding plies of much higher ply adhesion, superposing and integrating all such plies while wet into a multi-ply paperboard sheet, and drying the resulting sheet.

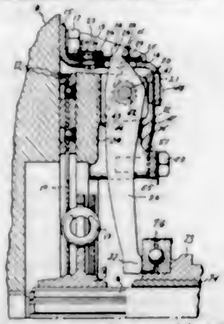
2,234,458
ATTACHMENT FOR CONTAINERS
Lance Underhill, Schenectady, N. Y.
Application January 18, 1938, Serial No. 185,501
2 Claims. (Cl. 220—85)

1. An attachment for a normally sealed cylindrical container having a valve member projecting from the central portion of one end thereof, comprising a one piece open truncated pyramidal frame surrounding said valve, means at the smaller end of said frame for attaching it coaxially of said container and enclosing the valve



therein, the larger end of said frame being substantially rectangular in shape and having its side members providing handle elements, and at least two of said side members having their longitudinal dimensions at least equal to the diameter of said cylinder.

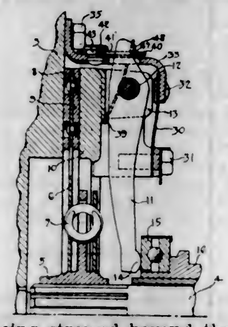
2,234,459
FRICTION CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application March 28, 1938, Serial No. 198,389
10 Claims. (Cl. 192—68)



1. A clutch comprising in combination, a rotary driving member, a driven member, a pressure plate, a plurality of substantially radially disposed levers pivotally connected to the pressure plate, a plurality of circumferentially spaced brackets attached to the driving member and having a connection with the pressure plate for driving the pressure plate and for affording axial shift of the pressure plate, a fulcrum member for the outer end of each lever mounted in a floating manner on each bracket for movement of the fulcrum member radially and circumferentially incident to lever operation, the inner ends of the levers being disposed in proximity to the axis of the clutch, an axially shiftable thrust member for engaging the inner ends of the lever, and means for applying clutch packing pressure to said thrust member.

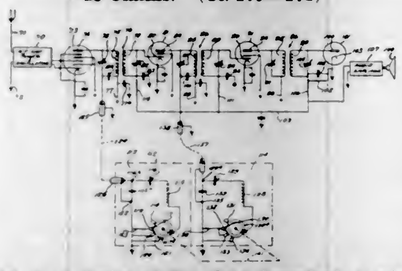
2,234,460
CLUTCH AND LEVER SYSTEM THEREFOR
Ernest E. Wemp, Detroit, Mich.
Application July 29, 1938, Serial No. 222,040
Renewed July 14, 1939
26 Claims. (Cl. 192—68)

23. A clutch having a lever system operable for clutch operation and including levers having power-receiving ends, some of the parts in the



lever system being stressed beyond their elastic limit and thereby set with the power-receiving ends of the levers in substantial alignment.

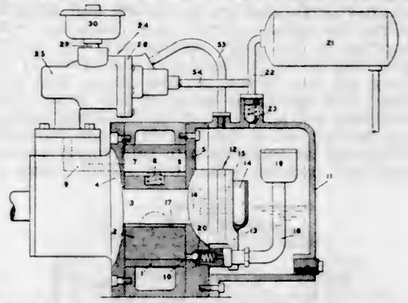
2,234,461
METHOD AND APPARATUS FOR CONTROLLING THE FREQUENCY BAND WIDTH OF COUPLED CIRCUITS
Ernest A. Tubbs, Long Island City, N. Y., assignor to National Television Corporation, Wilmington, Del., a corporation of Delaware
Application July 3, 1937, Serial No. 151,805
18 Claims. (Cl. 179—171)



16. In a device of the class described, a selective network comprising a primary circuit and a secondary circuit coupled thereto, and means to broaden the resonance curve of said network, said means comprising an auxiliary circuit coupled to said primary circuit but not to said secondary circuit.

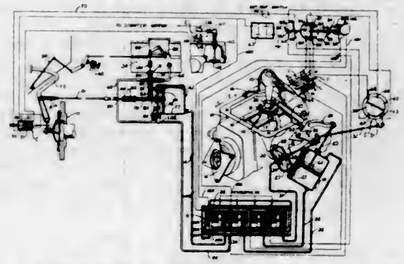
2,234,462
VALVE MECHANISM FOR UNLOADING COMPRESSORS
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 28, 1939, Serial No. 311,245
7 Claims. (Cl. 230—31)

1. In compressed air storage apparatus comprising a receiver and an air compressor provided with intake and discharge ports and having associated therewith a chamber receiving compressed air from the discharge port and communicating with the receiver, a valve member for closing the intake port, means comprising a second valve for connecting the chamber to atmosphere and movable to an open position by the pressure in the chamber when it is a predetermined value, said second valve being so associated with the intake valve that when it is opened the fluid pressure released from the chamber will act on the intake valve to move it to closed position, and means for causing the in-



take valve to assume an open position when the fluid pressure in the receiver falls below a predetermined value.

2,234,463
CONTROL SYSTEM FOR AUTOMOTIVE VEHICLES
Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.
Application April 24, 1937, Serial No. 138,783
7 Claims. (Cl. 192—.01)

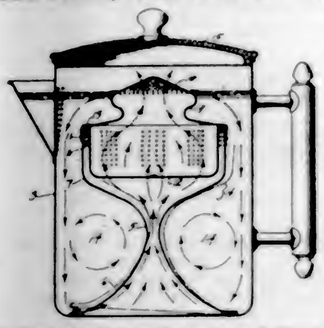


1. In combination with the accelerator, clutch and change speed gearing of a motor vehicle, fluid pressure power means for disengaging said clutch, fluid pressure power means for shifting said gearing, a source of sub-atmospheric pressure, means connecting said source and said power means including a common conduit and branch conduits from the latter to each of said power means, valve means operable by said accelerator for controlling flow in said common conduit, valve means in each of said branch conduits for controlling flow therethrough, solenoids for operating said last-named valve means, a source of electric energy, means connecting said source of electric energy and said solenoids, said last-named means including a pair of switches having a common operating member, and means controlled by the pressure in said common conduit for holding said member against movement for operating said switches.

2,234,464
COFFEE BREWING DEVICE
Louis J. Caldor, New York, N. Y.
Application November 1, 1939, Serial No. 302,268
6 Claims. (Cl. 53—3)

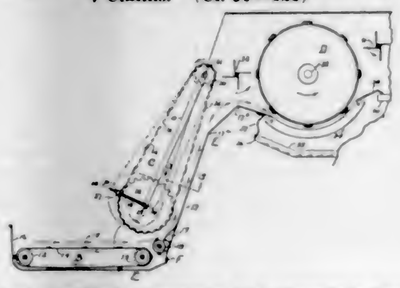
1. A coffee brewing device suitable for setting in a pot for boiling water, comprising, a vessel having a lower substantially inverted funnel-

shaped portion open at the bottom, an upper basket shaped portion open at the top and flaring out from the narrow top of the lower portion, a container perforated on its bottom and sides for holding the coffee grounds, said container being supported in the upper portion over the narrow top of the lower portion, and a perforated cap closing off the upper portion above said container, said container being of less width than said upper portion, the top of the lower portion being located below the bottom of the container discharging its contents into said upper portion below said bottom, water and steam rising up



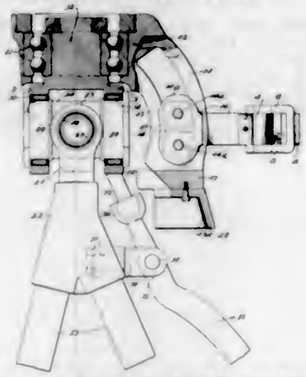
through the vessel passing upward through the bottom of the container and laterally through the sides thereof through coffee grounds in the container leaving the vessel through said perforated cap, said device when set in a pot, resting freely on the bottom of the pot with the bottom of said lower portion serving as a base and having its inside diameter sufficiently large to cover substantially the bottom of the pot where subject to heat, the upper portion of the vessel being less diameter than the pot allowing clearance for the downward circulation outside the vessel to the bottom of the pot of the water leaving the perforated cap when water is boiled in the pot.

2,234,465
ELEVATING DEVICE FOR COMBINES
Thomas Carroll, Toronto, Ontario, Canada, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application October 30, 1939, Serial No. 301,877
7 Claims. (Cl. 56—123)



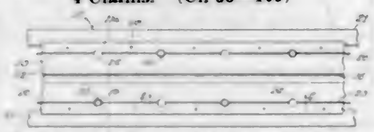
1. A combine conveying and elevating device of the class described, comprising a cutter bar having a transverse conveyor, a relatively short longitudinal conveyor adapted to receive the grain from said transverse conveyor, a threshing cylinder having a concave thereunder and being positioned considerably above the horizontal plane and somewhat in rear of said longitudinal conveyor, a trough positioned under said longitudinal conveyor extending upwardly and rearwardly and then downwardly and rearwardly a short distance terminating at the forward end of said concave, a roller positioned adjacent the delivery end of said longitudinal conveyor and adapted to turn and urge the grain upwardly and rearwardly into the bottom of said trough, an endless conveyor positioned in the upwardly extending part of said trough and extending a distance above the upper end thereof the bottom end being positioned a distance above the rear end of said short conveyor and means whereby the lower end of said conveyor will yieldingly press the grain against the bottom of the trough while urging it upwardly.

2,234,466
ROTATIVE-WINGED AIRCRAFT
Juan de la Cierva, Aldwych, London, and George Bertrand Leslie Ellis, Thames Ditton, England, assignors, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application December 30, 1936, Serial No. 118,250
14 Claims. (Cl. 244—18)



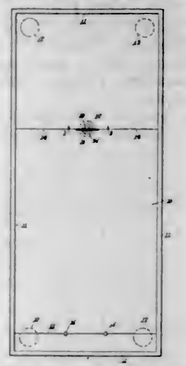
1. For a multi-bladed aircraft sustaining rotor, a hub having, for each blade, a parti-circular ring projecting therefrom and lying generally in a plane containing the hub axis and the longitudinal blade axis, and a bearing shoe riding on the inner side of said ring to provide freedom for swinging movement of the blade with respect to the hub.

2,234,467
DRAFTSMAN'S MOBILE STRAIGHTEDGE
Harold L. De Lisle, Sheboygan, Wis.
Application January 6, 1940, Serial No. 312,701
4 Claims. (Cl. 33—109)



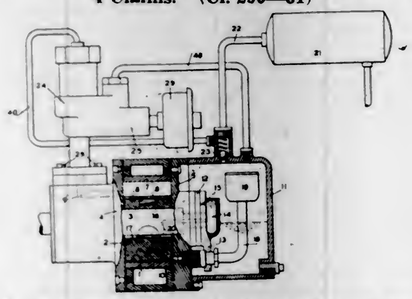
4. A draftsman's mobile straightedge comprising a blade, a pair of parallel wire shafts carried by the blade, a plurality of at least four relatively short rollers at relatively distantly spaced apart intervals on each shaft and normally projecting slightly below the lower face of the blade, and a plurality of holding means for each shaft spaced along the shaft substantially midway between the rollers on said shaft whereby the shaft may be flexed from points materially distant from a roller and on each side thereof to cause the roller to be retracted into the blade upon pressure thereon.

2,234,468
GAME
Thomas De Lorenzo, West Medford, Mass.
Application January 29, 1940, Serial No. 316,135
5 Claims. (Cl. 273—14)



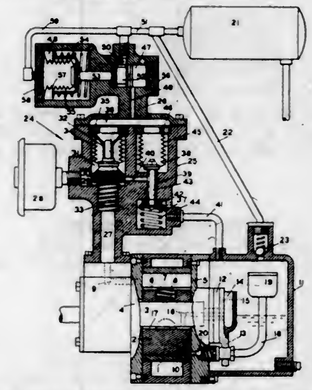
1. In combination with a flat rectangular game board having side walls surrounding the edges thereof, a spinning ring vertically mounted on edge near one end thereof and revoluble about a vertical axis, the opening in said ring being so constructed and arranged as to permit the passage therethrough of a playball propelled over the surface of said board.

2,234,469
COMPRESSOR UNLOADING VALVE MECHANISM
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application November 8, 1939, Serial No. 303,379
4 Claims. (Cl. 230—31)



1. In compressed air storage apparatus comprising a receiver and an air compressor provided with intake and discharge ports, automatically operable means for closing the intake port and connecting the discharge port to atmosphere, said means comprising a valve casing provided with a passage for placing the intake port in communication with the atmosphere, a normally open valve associated with said passage, a fluid motor for closing said valve when the fluid pressure in the receiver is a predetermined value, means including said passage for connecting the discharge port to atmosphere, a normally closed valve, and means comprising a lever positioned in said passage and operatively connected to the valves for causing the opening of the second valve when the first valve is closed.

2,234,470
VALVE MECHANISM FOR UNLOADING COMPRESSORS
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application November 8, 1939, Serial No. 303,380
4 Claims. (Cl. 230—31)

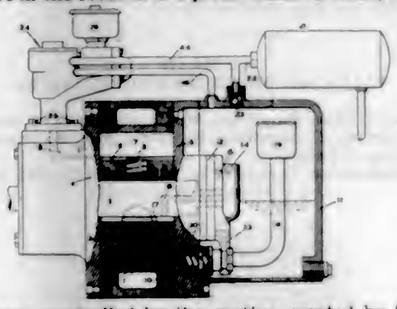


1. In combination with a compressor provided with an intake port and a discharge port, a storage receiver for receiving compressed fluid from the compressor, a check valve between the compressor discharge port and the receiver, automatically operable means for closing the intake port and connecting the discharge port to the source of fluid to be compressed, said means comprising a normally open valve for the intake port, a fluid motor for closing the valve, a normally closed valve for placing the discharge port in communication with the atmosphere, a second fluid motor for opening the last named valve, means including a slide valve for placing both fluid motors in communication with the receiver or with the atmosphere, said valve having a position in which the fluid motors are not connected with either the receiver or atmosphere, a spring for biasing the valve to a position where the motors are in communication with atmosphere, and means operable by a predetermined pressure in the receiver for moving the valve to a position where the motors are in communication with the receiver.

2,234,471
VALVE MECHANISM FOR UNLOADING COMPRESSORS
Cyril B. Fites, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application October 25, 1939, Serial No. 301,102
4 Claims. (Cl. 230—30)

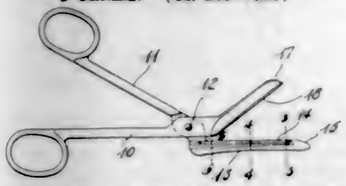
1. In combination with a compressor provided with an intake port and a discharge port and having associated therewith an oil reservoir communicating with the compressor for providing lubricant for the working parts of the compressor and wherein the oil in the reservoir is subject to the discharged compressed fluid from the compressor prior to passage to a receiver,

automatically operable means comprising a valve for closing the intake port when the fluid pressure in the receiver is a predetermined value, and



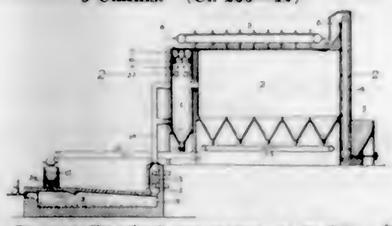
means controlled by the suction created by the compressor when the intake port is closed for causing the oil reservoir to be vented to atmosphere.

2,234,472
SURGICAL SCISSORS
John A. Freel, Bay City, Mich.
Application December 29, 1937, Serial No. 182,232
3 Claims. (Cl. 128—318)



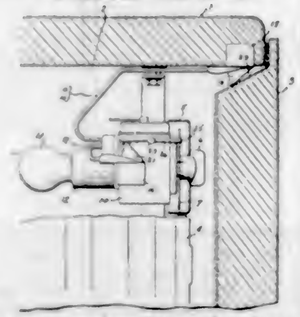
1. A surgical scissors of the class described, comprising a pair of pivotally connected handled blades, the outer marginal edges of the lower blade being smooth rounded, said blade being relatively wide in cross section, with its lower surface longitudinally concaved, said concaved surface being transversely flat, the cutting edge being entirely within the lines of the lower blade and on the vertical longitudinal center of the lower blade and terminating in outward and downwardly curved surfaces to the rounded edge of the blade.

2,234,473
METALLURGICAL APPARATUS
William E. Greenawalt, Denver, Colo.
Application June 4, 1938, Serial No. 211,834
9 Claims. (Cl. 266—10)



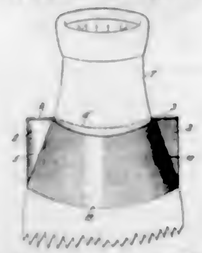
1. In metallurgical apparatus, a smelting furnace, a shaft roasting furnace, a dust chamber adjacent the shaft, an ore drier over the dust chamber adapted to receive its heat for drying from the hot waste gas in the dust chamber, means for delivering finely divided ore to the drier and advancing it toward the shaft roasting furnace, means for passing the hot waste gas from the smelting furnace into the shaft roasting furnace and from the shaft roasting furnace into the dust chamber, means for showering the dried ore through the shaft roasting furnace to roast it, and means for delivering the hot roasted ore separated from the roaster gas into the smelting furnace to smelt it.

2,234,474
REFRIGERATION
William W. Higham, Detroit, and Stanley H. Morse, Dearborn, Mich., assignors to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan
Application April 5, 1938, Serial No. 200,172
5 Claims. (Cl. 62—1)



1. In a refrigerator, the combination of a compartment to be refrigerated, a door for the compartment, a cooling unit in the compartment subject to being frosted in use, an electric lamp in proximity to the cooling unit, a circuit for the lamp, means for closing the circuit upon the opening of the door and for opening the circuit upon the closing of the door, a manually operable control device shiftable to one position where the cooling unit is operable and to another position where the cooling unit defrosts, and switch means having an operable connection with the control device and operable when the said control device is shifted to the said other position for closing the circuit for the lamp independently of the opening and closing of the circuit by the closing and opening of the door whereby the lamp remains energized and the heat therefrom accelerates defrosting.

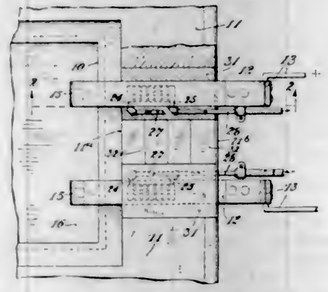
2,234,475
DISPLAY DEVICE
Meade Hyndman, St. Louis, Mo.
Application December 30, 1938, Serial No. 248,401
1 Claim. (Cl. 40—4)



A display device of the character described composed of a strip of flexible material folded

transversely intermediate of its ends and having its end marginal portions lying one against the other, and means attaching together the two plies adjacent to their fold line and the two end marginal portions thereof respectively and thereby forming a frusto-conical portion adapted to receive and seat around and against a support extended therethrough and two diametrically opposite triangular extended portions having their outer edges separated by a space within the external diameter of the base of said frusto-conical portion, presenting smooth outer display surfaces on said frusto-conical portion.

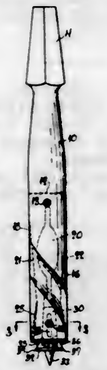
2,234,476
ELECTRODE
Louis Jessop, Bradford, England, assignor to The Bellis Heat Treating Co., Branford, Conn., a corporation of Connecticut
Application June 24, 1937, Serial No. 150,016
1 Claim. (Cl. 13—23)



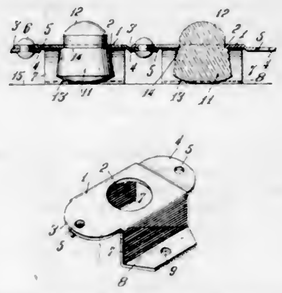
In a salt bath furnace having metal walls for holding the salt bath, the combination of a unitary metal electrode comprising a bath immersion leg spaced from the walls of the furnace and extending from above the level of the salt bath into the salt bath with its remaining part exposed to the atmosphere above said level, and a furnace wall leg adapted to pass through the wall of the furnace with its remaining part exposed to the atmosphere for connection with the source of electrical supply at the exterior of the furnace, said last named wall leg having within the same a cooling fluid conduit at its portion enclosed by the wall, means at one end of the conduit for supplying cooling fluid to the conduit, means at the other end of the conduit for discharging said fluid, whereby heat in the electrode is neutralized by the cooling fluid flow in the electrode, and a separate refractory member of a length equal to the width of the wall completely surrounding the wall leg of the electrode at the cooling conduit portion adapted to completely fill a corresponding gap in the top of the furnace wall to complete the wall structure, said refractory member surrounding the electrode forming a unitary connection with said electrode, whereby on the removal of the said refractory member the electrode is removed therewith.

2,234,477
UNDERREAMING TOOL
William L. Marshall, Albemarle, N. C., assignor of one-half to Crayon C. Efird, Albemarle, N. C.
Application June 20, 1938, Serial No. 214,748
1 Claim. (Cl. 145—124)

An underreaming tool comprising a shank having a longitudinally disposed slot bisecting the lower end thereof, a forked resilient cutting blade made of one piece of spring steel and disposed in said slot and having its upper end secured to the shank and having opposed outwardly flaring cutting edges on the outer edge of the lower end of each fork, the resiliency of the cutting blade causing the cutting edges to be normally disposed within the confines of the shank, and a cam member disposed in the open end of the slot in the forked cutting blade normally projecting beyond the end of the shank and having a longitudinally extending slot therein, a pin mounted in the shank and penetrating the slot in the cam member whereby the cam member is slidably mounted in said slot between the lower ends of the two legs of the cutting blade, so that when said tool is inserted into a hole and inward pressure is applied thereto while the tool is being rotated, the cam member will spread the legs of the blade outwardly from the shank to project beyond the confines of the shank and cut away the sidewalls of the hole at its base to a greater degree than the entrance portion of the hole.



2,234,478
SIGNAL BUTTON MOUNTING
Joseph C. Mills, Cleveland, Ohio
Application March 14, 1936, Serial No. 68,821
3 Claims. (Cl. 40—130)

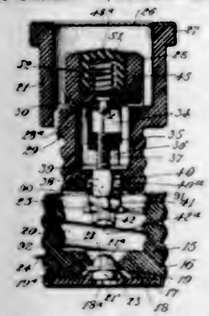


1. A signal button mounting comprising a plate formed with a hole to receive and hold a signal button, opposite curved extensions of said plate formed with holes to receive rivets to pivotally join said mounting with other similar mountings, downwardly extending side portions and tabs extending outwardly from said side portions and formed with holes adapted to receive means for securing the mounting as desired.

2,234,479
CAPSULE AND METHOD OF MAKING THE SAME
Robert P. Scherer, Detroit, Mich.
No Drawing. Application March 13, 1936, Serial No. 68,782. Renewed June 30, 1939
1 Claim. (Cl. 167—83)

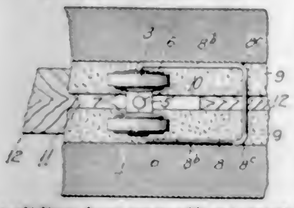
In the manufacture of capsule bodies having a water soluble gelatinous shell and a filler substance therein including diethylene glycol monoethyl ether, the method of inhibiting the action of said ether compound upon the shell content which comprises substantially saturating the same with vanillin and coumarin.

2,234,480
SAFETY INDICATOR FUSE
Lambert Schmidt, Leeds, N. Y., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application March 19, 1938, Serial No. 196,841
13 Claims. (Cl. 200—119)



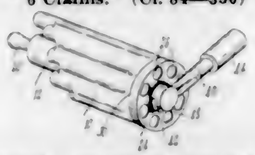
1. A fuse comprising a body portion having a hollow upper end and a screw threaded lower end, an adapter adapted to be seated in a fuse socket and having a threaded opening for receiving the threaded end of the fuse body, a yielding contact carried by the fuse body portion for engagement in the adapter to close one side of the circuit therethrough with the fuse socket, cooperating contact elements carried by the upper portion of the fuse body and the adapter for closing the other side of the circuit as the fuse body is turned into full operative position within the adapter, and a tensioned fuse strip mounted in the hollow upper portion of the body between the opposite sides of the circuit for quick disruption and spacing apart of the ends of the fuse strip when weakened sufficiently by fusing.

2,234,481
SLIDING DOOR SUPPORTING APPARATUS
Ira Shafer, San Diego, Calif.
Application January 29, 1940, Serial No. 316,184
6 Claims. (Cl. 16—104)



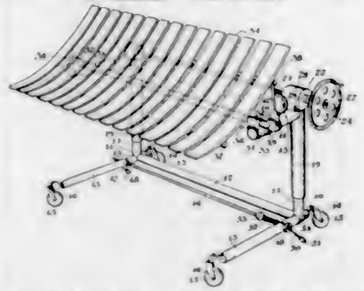
1. In a sliding door supporting apparatus of the class described, the combination of a pair of rollers mounted in a passageway of a frame member, an axle for said rollers and a substantially U-shaped guide member secured to opposite ends of said axle engageable with said frame member for holding said rollers in radial longitudinal alignment with said frame member.

2,234,482
MUSICAL INSTRUMENT
Forest A. Stainbrook, Boston, Mass.
Application November 18, 1939, Serial No. 305,057
6 Claims. (Cl. 84—330)



1. A musical instrument comprising a blow pipe, and a barrel attached to said blow pipe and rotatable about its own axis relatively thereto, said barrel having a circular series of bores of different lengths opening at one end thereof in a common plane, said pipe being substantially perpendicular to said axis and having a nozzle arranged to direct a stream of air across the open end of any of said bores.

2,234,483
INVALID CARRIER
Robert W. Sutton, Kalamazoo, Mich., assignor of one-half to Charles H. Andre, Detroit, Mich.
Application February 16, 1938, Serial No. 190,688
8 Claims. (Cl. 5—86)

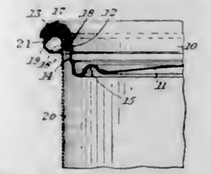


1. In a structure of the class described, a chassis, and a horizontally disposed cradle pivotally mounted on said chassis for axial tilting movement, said cradle comprising a center rod having its opposite ends pivotally mounted in spaced horizontally aligned bearings respectively on the chassis and a plurality of parallel spaced supporting slats having concave upper surfaces and depending horizontally apertured webs fixedly embracing the center rod.

2,234,484
MOISTURE-REPELLENT PRODUCT AND METHOD OF PRODUCING SAME
Arthur J. Weinig, Golden, Colo., assignor to Potash Company of America, Denver, Colo., a corporation of Colorado
No Drawing. Application September 27, 1937, Serial No. 165,902
6 Claims. (Cl. 23—243)

1. As a composition of matter, crystalline potassium chloride containing iron oxide and manganese oxide inclusions, the individual particles thereof having a coating of mineral oil and insoluble saponaceous material deposited in situ.

2,234,485
CONTAINER CLOSURE AND SEAL
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application April 11, 1938, Serial No. 201,318
6 Claims. (Cl. 220—46)



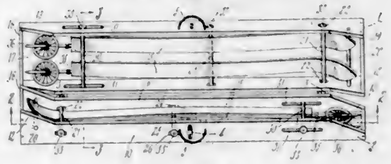
1. In combination, a container having an outturned rim, a closure therefor having a neck portion which enters the container and provides an annular space between the outer surface of the neck portion and the adjacent wall of the container, the upper end of the closure being turned outwardly and overlying the rim of the container when the closure is applied and means interposed between the container and closure comprising a sealing portion lying between at least a portion of the container rim and the outwardly projecting portion of the closure and adapted there to be compressed upon tightening of the closure upon the container to seal the container and a generally annular neck portion extending from said sealing portion generally inwardly of the container and lying in the annular space between the container and the neck portion of the closure, the clearance or space between the container and the neck portion of the closure being greater than the thickness of said neck portion of the sealing means throughout the extent of said neck portion of the sealing means.

2,234,486
DETACHABLE BIT FOR ROCK DRILLS
Ernest Craig, Falconbridge Township, Ontario, Canada
Application January 25, 1940, Serial No. 315,478
3 Claims. (Cl. 255—64)



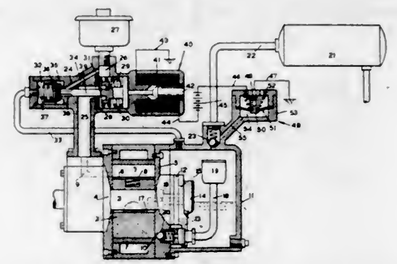
1. A rock drill comprising a bit and shank one of which is formed with a socket to receive and engage the end surface of the inserted member to transmit the impact shocks of the drill, the periphery of the inserted member and the surrounding wall of the socket being formed with interfitting spiral surfaces substantially parallel with the drill axis which continuously engage for the major part of their circumference to retain the impact surfaces in contact.

2,234,487
SKI PRESS
Clarence J. Davis, Ludlow, Vt.
Application February 28, 1939, Serial No. 258,895
3 Claims. (Cl. 280—11.37)



1. A ski press comprising a box having fixedly spaced side members between which the skis may be placed, and transverse members positioned between said side members for engagement with opposite faces of the skis for retaining said skis in desired contour, said side members having slots extending substantially lengthwise thereof within which certain of said transverse members may ride.

2,234,488
COMPRESSOR UNLOADING VALVE MECHANISM
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application November 8, 1939, Serial No. 303,378
5 Claims. (Cl. 230—31)

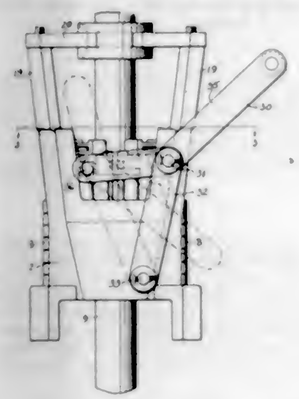


1. In compressed air storage apparatus comprising a receiver and an air compressor provided with intake and discharge ports, a normally open intake valve, a normally closed valve for placing the discharge port in communication with the atmosphere, and automatically operable means for closing the intake valve and substantially simultaneously opening the second named valve when the fluid pressure in the receiver reaches a predetermined value, said means comprising a solenoid for controlling at least one of said valves, an electrical circuit for the solenoid, and a switch caused to be closed when the pressure in the receiver reaches said predetermined value.

2,234,489
SQUARE BOWL TUBING SPIDER
Ranald M. Garrison and Dudley C. Sharp, Houston, Tex., assignors to Mission Manufacturing Company, Houston, Tex., a corporation of Texas
Application November 1, 1937, Serial No. 172,173
4 Claims. (Cl. 24—263)

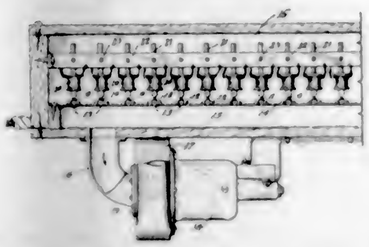
1. A tubing spider of the character described comprising a square frame having four inwardly

and downwardly inclined sides of a sheet of metal, a trackway in each of the four corners, and a pipe



supporting jaw mounted to slide in each trackway.

2,234,490
ELECTRIC MUSIC INSTRUMENT
Reuben S. Gilbert, Denver, Colo., assignor of fifty per cent to H. W. Michalke, and fifty per cent to Gretchen Anderson Michalke, both of Denver, Colo.
Application September 6, 1938, Serial No. 228,466
1 Claim. (Cl. 84—1.15)



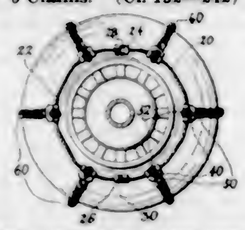
An electrical wave form generator for musical instruments comprising an airtight housing, a partition plate mounted horizontally in said housing and dividing the same into an upper pressure chamber and a lower vacuum chamber, said plate having openings formed therethrough arranged in spaced relation to each other longitudinally thereof, reeds carried by said plate and each located over an opening therein, a supporting bar mounted in said housing and extending longitudinally in the upper chamber in vertical spaced relation to the plate and the reeds, said bar being formed with bores located over the reeds and the openings in the plate, straight magnetic cores extending through the bores and adjustably secured therein with their lower ends terminating adjacent the reeds at the point of greatest fundamental vibration therein, solenoids arranged about the portions of the cores under the supporting bar, and a blower for creating a draft of air downwardly through the chambers and continuously vibrating all of the reeds to simultaneously generate currents in all of the solenoids.

2,234,491
METHOD OF MAKING ALUMINUM WARE
Samuel Hayden, Chicago, Ill., assignor to Century Metalcraft Corporation, Chicago, Ill., a corporation of Delaware
Application June 4, 1938, Serial No. 211,905
1 Claim. (Cl. 29—148.2)



A method of rendering an aluminum cooking utensil resistant to "pitting" which includes the steps of first preforming the utensil into the desired shape and then treating the inner, cooking surface thereof by kneading localized areas of said surface substantially laterally of the surface contour and continuing the kneading progressively over the surface.

2,234,492
ANTISKID DEVICE
William F. Henry, North Braddock, Pa.
Application October 5, 1939, Serial No. 298,036
6 Claims. (Cl. 152—242)

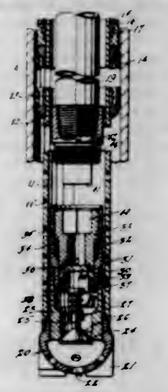


1. Antiskid device for a tire-equipped wheel comprising an inner face member and an outer face member adapted to contact the corresponding side-faces of said wheel along closed curves, a plurality of antiskid chains connected to and extending transversely between said face members for contacting the tread-portion of said tire, said inner face member consisting of flexible, tension-resisting elongated means of predetermined length and of a stiffness substantially equivalent to that which overcomes the frictional resistance developed on the ground by the weight of the device, whereby it can be positioned without collapsing by pushing it on the ground, coupling means fixed to said elongated means for connecting and disconnecting, respectively, portions of the latter at two places, anchoring means for keeping one end-link of each of said anti-skid chains rigidly fixed to said elongated means, said outer face member consisting of tension-resisting articulate means carrying attachment means for selectively connecting different end-links therewith for adjusting the length of the closed portion of said chain.

2,234,493
WELL COMPLETING DEVICE
James H. Howard, Houston, Tex., assignor to McEvoy Company, Houston, Tex.
Application July 19, 1938, Serial No. 219,947
13 Claims. (Cl. 166—20)

1. As a sub-combination in a well device, a

hollow tool joint having a screw-threaded socket at its upper end and a reduced intermediate



portion provided with coarse screw threads, a wrench pin on the lower end of the joint.

2,234,494
VAGINAL DIAPHRAGM
Willard V. Lay, Denver, Colo.
Application September 29, 1939, Serial No. 297,026
4 Claims. (Cl. 128—127)



1. A vaginal diaphragm comprising: an annular ring of resilient material, said ring being completely triangular or three sided in cross section; and a flexible diaphragm closing the middle of said ring.

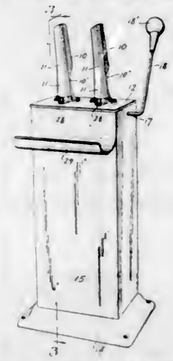
2,234,495
PESSARY
Willard V. Lay, Denver, Colo.
Application March 18, 1940, Serial No. 324,656
5 Claims. (Cl. 128—127)



1. A pessary comprising: a conical annular rim of greater width than thickness; and a flexible diaphragm closing the center of said rim, the width of said rim lying at an incline to the plane of the face of the rim to form a hollow truncated cone.

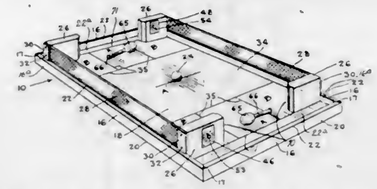
2,234,496
GARMENT POCKET IRONING DEVICE
John H. Leef, Minneapolis, Minn.
Application July 27, 1940, Serial No. 347,980
10 Claims. (Cl. 223—66)

1. In an ironing apparatus, an ironing device involving a fixed and a relatively movable ironing boot, a handle equipped rock shaft below said ironing device, a link pivoted on said rock shaft at its lower end and at its upper end pivotally connected to and supporting said relatively mov-



able boot, and a rocker secured on said rock shaft and engageable with said link above its lower pivot to move said movable boot toward said fixed boot and engageable with said link below its pivot to move said movable boot from said fixed boot.

2,234,497
GAME
Ernest P. Lommell, St. Cloud, Minn.
Application June 25, 1938, Serial No. 215,797
2 Claims. (Cl. 273—85)

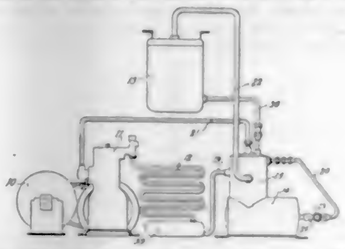


1. Game apparatus comprising an elongated board with a raised solid rim about all of its margins, pairs of upright blocks of substantial width positioned with their outer ends in close proximity to the sides of the rim towards each end of the board, said pairs being spaced predetermined distances inside of the respective rim-ends, the blocks of each pair being in alinement and separated so as to leave a playing opening between them extending to the surface of the board, guarding strips above the rim-sides only extending along the sides of the field between the outer ends of the blocks, and goal lines marked on the surface of the board in the plane of the outer limits of the pairs of blocks.

2,234,498
REFRIGERATION UNIT
Paul H. Maffet, La Junta, Colo.
Application July 31, 1939, Serial No. 287,527
4 Claims. (Cl. 62—8)

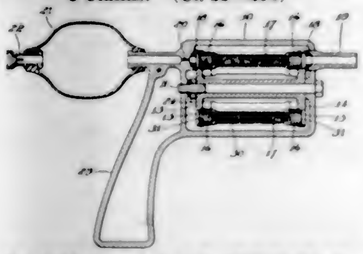
1. Means for controlling the flow of refrigerant to the evaporator of a refrigerating system comprising: a fluid container; a fluid of greater density than the refrigerant in said container; a refrigerant coil partially submerged in said fluid; means for conducting refrigerant to said

coil, said coil discharging below the surface of the fluid in said container; and means for con-



ducting the refrigerant from above the fluid to said evaporator.

2,234,499
AIR TESTING DEVICE
Robert W. McAllister, Carlisle, Mass., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application April 27, 1937, Serial No. 139,332. Divided and this application September 12, 1939, Serial No. 294,499
5 Claims. (Cl. 23—254)



1. An apparatus for the determination of a constituent of a gas mixture, the apparatus comprising, in combination, a body member, aspirating means associated with said member, and a magazine bearing a plurality of detector tubes containing reagent which changes color upon contact with the constituent to be determined, said magazine being rotatably associated with said body for presenting a detector tube to said aspirating means to pass gas mixture to be tested therethrough, and for bringing successive tubes into such relationship for successive tests.

2,234,500
INSECTICIDE DISPENSER
Harold Moore, Fullerton, Calif.
Application October 31, 1938, Serial No. 237,906
4 Claims. (Cl. 43—121)

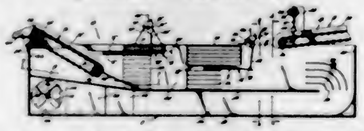


1. A non-spillable insecticide container for poisonous substances designed to prevent access to the contents thereof except by ants, said container having: a cylindrical side wall; a bottom wall secured in liquid-tight relationship to said side wall; a top wall secured in liquid-tight relationship to said side wall, and having a relatively small central aperture; and a cylindrical tube of relatively small diameter providing a bore suitable for the entrance of an ant and rigidly secured in depending position centrally of said top with its bore in register with said aperture, the lower end of said tube communicating with the interior of the container at a location disposed in all positions of the container at levels substantially bisecting volumetrically the interior space of the container available for containing liquid, whereby there may be inserted by gravity into the container in upright position through said central tube the maximum quantity and no more than the maximum quantity of liquid which the container will hold and which will not submerge the lower end of the tube at any other position of the container.

2,234,501
PROCESS OF IMPREGNATING FIBROUS MATERIALS AND THE MATERIAL THUS OBTAINED
Joseph Nüsslein and Georg von Finck, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 8, 1938, Serial No. 184,106. In Germany August 3, 1937
8 Claims. (Cl. 91—68)

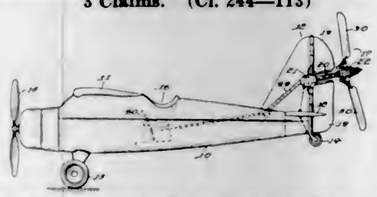
1. The process which comprises impregnating fibrous materials with organic nitrogen compounds obtainable by causing phenols of the general formula: $A.CH_2.Cl$, wherein A represents a radical of a phenol substituted by an aliphatic hydrocarbon radical having at least 4 carbon atoms, to react with a nitrogen base selected from the group consisting of tertiary aliphatic and tertiary heterocyclic amines, and with a mixed polymerisate prepared from a compound of the group consisting of maleic anhydride and maleic esters, and from an olefinic compound of the group consisting of vinyl ethers and vinyl esters, the mixed polymerisate containing an aliphatic radical with at least 10 carbon atoms in one chain.

2,234,502
METHOD OF AND APPARATUS FOR SEPARATING FROSTED FRUIT
Andrew C. Pixton, Orange, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 6, 1939, Serial No. 260,101
2 Claims. (Cl. 209—173)



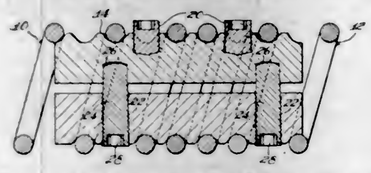
1. A method of segregating fruit, the pieces of which vary in density, which comprises: discharging said pieces of fruit from a given point, in a uniform manner, into a flowing flotation medium; segregating said fruit into groups by dividing said fruit in accordance with the depth of the individual pieces thereof in said flotation medium after said pieces of fruit have traveled with said medium a predetermined horizontal distance; restraining, after the aforesaid segregation, that fraction of the lowermost of the aforesaid groups which tends to rise above a given level, from rising above said level, so that said fraction in its further travel with said medium forms a layer substantially on said level; releasing said fraction at a given point in its travel with said medium from restraint against rising upwardly; and at a subsequent point in the flow of said medium segregating said fraction into groups in accordance with the distance which the individual pieces of fruit in said fraction have risen in said medium following the aforesaid release of said fraction.

2,234,503
AERODYNAMIC RETARDER
James G. Ray, Hatboro, Pa.
Application January 14, 1938, Serial No. 184,952
3 Claims. (Cl. 244—113)



1. The combination with an aircraft having powered means on the front end thereof for forward propulsion, of an aerodynamic retarder comprising an air-driven autorotative rotor secured to the tail of said aircraft for rotation upon an axis extending substantially through the center of gravity of said aircraft and provided with a plurality of blades having an airfoil section, and means whereby said blades may be adjusted into and out of autorotative positions when said aircraft is in motion.

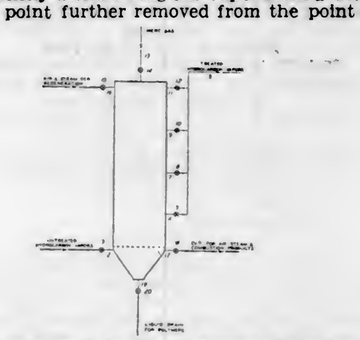
2,234,504
COILED WIRE COUPLING
Kyle I. Robinson, Bolivar, and Lawrence R. Robinson, Zelienople, Pa., assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1938, Serial No. 238,188
8 Claims. (Cl. 287—75)



1. In combination, a pair of helically coiled elongated members, a block, and a multiple thread cut thereon, the thread having an elongated member threaded in separate grooves of the thread from each end of the block, said elongated members extending past each other at their ends.

2,234,505
METHOD FOR TREATING VAPORS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Original application October 6, 1936, Serial No. 104,303. Divided and this application January 3, 1939, Serial No. 249,145
4 Claims. (Cl. 196—28)

1. A method for preventing deterioration of the unused portion of a bed of catalyst having a point at which the vapors to be treated are introduced and spaced points along the same for the withdrawal of the vapors treated comprising, withdrawing the treated vapors from a withdrawal point nearest the point of introduction, subsequently withdrawing the vapor from a withdrawal point further removed from the point of



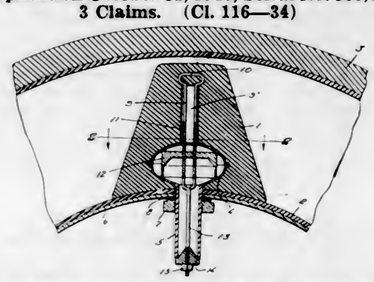
introduction, and in the meantime introducing a gas which is inert under the conditions employed in the catalytic step into the unused portion of the catalyst bed in such a manner that the said inert gas will prevent infiltration of the reactive vapors into the unused portion of the catalyst, thereby preventing deterioration of the catalyst prior to use.

2,234,506
LAY PILLOW
Mary E. Sistig, Denver, Colo.
Application October 17, 1938, Serial No. 235,395
1 Claim. (Cl. 5—327)



A lay pillow comprising a centrally-thickened, sponge rubber core, a relatively more resilient, thick-walled sponge rubber shell adapted to receive and entirely envelop said core, and an opening in said shell for the insertion and removal of said core.

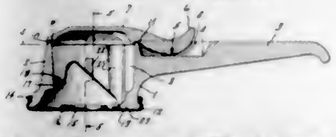
2,234,507
LOW PRESSURE TIRE ALARM
Howard H. Thompson, Santa Cruz, Calif.
Application October 31, 1940, Serial No. 363,764
3 Claims. (Cl. 116—34)



1. In a low pressure tire alarm, a block of resilient material fixedly carried in the tube of a tire and adapted to be compressed when the part of the tire carrying the same strikes the ground and the tire needs inflation, a plunger carried by the block, a chamber in the block, a member

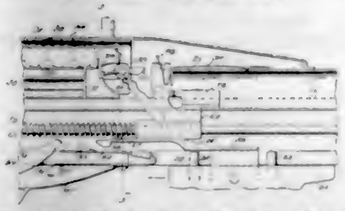
in the chamber and through which the plunger passes, said plunger and member being formed to have relative movement when said block is compressed and to produce a noise by relative movement of the parts.

2,234,508
BOTTLE CAP REMOVER
Melville D. Truesdale, Greenwich, Conn.
Application April 30, 1938, Serial No. 205,309
15 Claims. (Cl. 65—46)



1. A device for opening bottle closures on bottles having necks, comprising a hollow body having an aperture therein, a closure lifting member in the body, a rib located below the top of the aperture in the body against which the top of the bottle closure is adapted to bear, and a resilient shield at the bottom of the body aperture having an aperture through which the neck of the bottle is adapted to project.

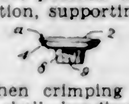
2,234,509
TOY AUTOMATIC RIFLE
Joseph P. Walczak, Baltimore, Md.
Application January 25, 1939, Serial No. 252,822
6 Claims. (Cl. 124—27)



1. In a toy rifle having a barrel and a magazine provided with an outlet vent through which projectiles may pass into the barrel, means for singly feeding the projectiles from the magazine to the barrel comprising a feeder oscillatively mounted below the outlet vent, said feeder being formed with radial blades defining quadrantal pockets one of the pockets thus formed being closed by a web connecting the free ends of the adjacent blades, said feeder being normally positioned with the closed pocket disposed below the outlet vent and with the adjacent pocket in register with the vent to receive the foremost projectile in the magazine whereby a partial rotation of the feeder in a clockwise direction will deposit the said foremost projectile in the barrel and move the web of the closed pocket into obturating relation to the outlet vent of the magazine.

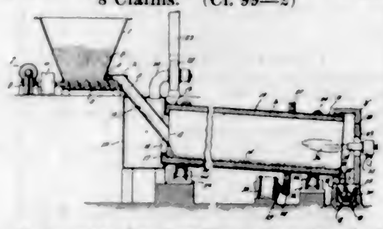
2,234,510
BUTTON AND THE METHOD OF MAKING THE SAME
Franklin R. White, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application November 3, 1937, Serial No. 172,645
1 Claim. (Cl. 79—3)

The method of making and assembling a button so that it will predeterminedly position itself with respect to its insignia in a button-attaching machine, which consists in stamping out a cap of relatively thin metal having a dependent flange and pressing insignia in the cap and at the same time pressing a part of the dependent flange of the cap outwardly from its true periphery to form an indicator, the said bent-out portion being located in certain predetermined position with regard to the insignia on the cap, orienting the cap by means of the pressed-out portion of the metal flange to locate and determine the rotative position of the cap during a crimping operation, supporting the cap in lo-



cated position, then crimping the cap over a receptive button shell, bending back that part of the flange that has formerly been bent outwardly; and while the cap is still supported in located position forming at a predetermined locality a flattened surface on the hub of the shell, so that the flattened surface will be in a predetermined position with respect to the insignia on the cap as determined by the formerly outwardly bent portion, whereby the flat may retain the button with its insignia in proper rotative position when fed through a button-attaching machine.

2,234,511
ANIMAL FEED SUPPLEMENT AND PROCESS OF MANUFACTURE
Edward H. Wight, Baltimore, and David L. Anderson, Towson, Md., assignors to The Davison Chemical Corporation, Baltimore, Md.
Application March 5, 1938, Serial No. 194,198
8 Claims. (Cl. 99—2)



1. A process for treating superphosphate to render it suitable for animal feed comprising calcining the superphosphate in the presence of heated gas currents between 600 to 800° C. to reduce the fluorine content to not more than .10 percent.

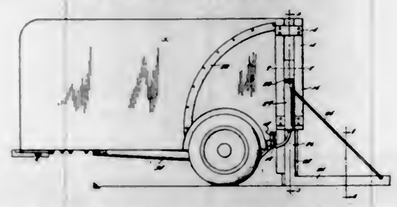
2,234,512
SPRAY HOLDER FOR CASKETS
Lewis E. Wilson, Eagle Grove, Iowa
Application July 26, 1939, Serial No. 286,732
2 Claims. (Cl. 47—41)



1. A spray holder for caskets comprising a reticulated frame including parallel longitudinal frame members and transversely extending frame

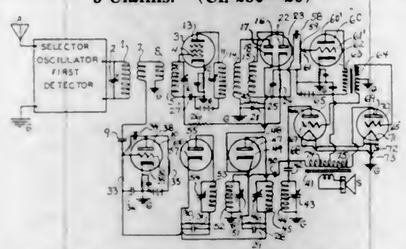
members constructed of metal rods of round shape in cross section, said longitudinal frame members having upstanding ends spaced apart to provide corner posts adapted for receiving a spray therebetween to retain the spray against transverse movement and said transverse frame members having upstanding prongs adapted for penetrating upwardly into the spray to retain the same in position on the frame against longitudinal movement and downwardly inclined extensions on the ends of said transverse frame members outwardly of the longitudinal frame members, a flat lug on the outer ends of said transverse frame members having a threaded opening therein and a rubber member having an upstanding stud threaded in the opening of the lug for supporting the frame in position on the casket.

2,234,513
COMBINED ENDGATE AND LOADING ELEVATOR FOR TRUCKS
Marche P. Zimicki, Strawn, Tex.
Application December 26, 1939, Serial No. 311,017
6 Claims. (Cl. 214—75)



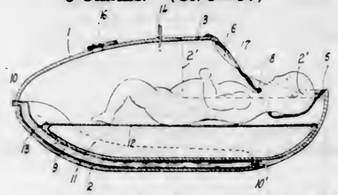
1. A combined vehicle endgate and elevator comprising a pair of guide members pivotally mounted at opposite sides of the vehicle, a pair of L-shaped members having one end slidably mounted in each of the guide members, the other ends of said L-shaped members providing a support for the side edges of the endgate, a crank shaft connecting the guide members for uniform movement, actuating means for the crank shaft for opening and closing the endgate against the rear end of the vehicle and means for raising and lowering said L-shaped members when the endgate is in its open position.

2,234,514
AUTOMATIC FIDELITY CONTROL
Alfred W. Barber, Flushing, N. Y.
Application December 21, 1938, Serial No. 247,025
5 Claims. (Cl. 250—20)



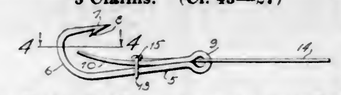
1. In a carrier wave receiver, the combination of, a selective carrier wave amplifier, means for varying the selectivity of said carrier wave amplifier, a detector, a modulation frequency amplifier, a gain control device connected between said detector and said modulation frequency amplifier, a loud speaker connected to the output of said modulation frequency amplifier, and means for deriving a control signal from said modulation frequency amplifier for at least partially controlling said selectivity varying means whereby varying the input to said loud speaker by means of said gain control in the presence of a control signal varies the selectivity of said carrier wave amplifier.

2,234,515
CRADLE FOR INFANTS
Alexis Auguste Carrel and Anne Carrel, née de la Motte, Paris, France
Application October 14, 1938, Serial No. 235,076
In France November 9, 1937
5 Claims. (Cl. 5—97)



1. A cradle for infants comprising a hollow body of insulating material adapted to receive an infant, said body having a flat base, a temperature regulating container in the lower portion of the body, a hammock supported within the body for supporting the infant, a removable cover for the body, the cover and the adjacent end portion of the body having an opening therein, and a two-part flexible closure for the opening one part of which is connected with the body and serves as a pillow while the other portion is connected to the removable cover and removably connected to the first mentioned part of the flexible closure and arranged to embrace the neck of the infant.

2,234,516
FISHHOOK
J Allen Clark, Atlanta, Ga.
Application March 30, 1939, Serial No. 265,045
5 Claims. (Cl. 43—27)

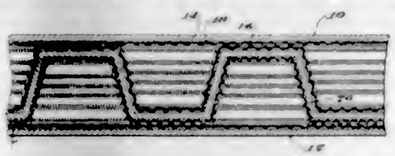


1. A fishhook of the character described comprising a hook member having a spear head, a trap spring having one end integral with the hook member with its free end presented to the spear head and means frictionally engaged with said hook member and trap spring and movable longitudinally thereof and by said frictional engagement being retained in shifted positions for flexing the trap spring for releasably holding the free end of the trap spring away from the spear head.

2,234,517
LAMINATED BUILDING SHEET
Alden W. Coffman, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1938, Serial No. 202,267
1 Claim. (Cl. 189—34)

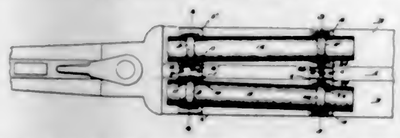
A laminated building sheet or panel comprising two spaced metal facing sheets and a corrugated metal spacing member interposed between the facing sheets and having the tops and bot-

toms of the corrugations secured to the facing sheets to form a unitary and relatively rigid structure, the side walls of said corrugations being provided with openings and a cellular filler within the cells formed by the corrugations and



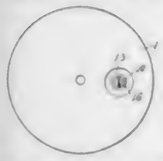
the facing sheets, and with the cells of the filler disposed transversely of the corrugations and substantially parallel to the facing sheets and cooperating with the side walls thereof to resist deformation of the same under pressure.

2,234,518
GUN SIGHT
Michael J. Cusdey, Delmar, N. Y.
Application April 17, 1940, Serial No. 330,179
4 Claims. (Cl. 33—51)



1. A gun-sight including mounts for attachment in horizontally spaced position on a barrel, spaced tubes pivotally supported on one of the mounts spaced laterally of the barrel, a slidable connection between the tubes and the other mount, a thumb piece interposed between the tubes and means operated by the thumb piece and carried by one of the mounts for simultaneously shifting both tubes angularly toward or from each other as the thumb piece is actuated.

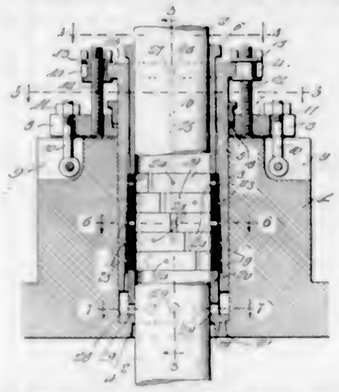
2,234,519
SPLIT SKIRT PISTON EXPANDER
Frederick C. Dalton, Portland, Oreg.
Application May 15, 1939, Serial No. 273,771
2 Claims. (Cl. 309—12)



1. In a split skirt piston, a spreader screw carried by the head of the piston and a two part lug carried by the skirt of the piston, said lug comprising body parts having between them a tapered seat for said screw, and means to secure said lug in place on the skirt of the piston, said lug having its parts spaced to correspond with the split of the piston skirt.

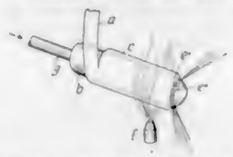
2,234,520
PACKING
Arthur H. De Shong, Dumas, Tex.
Application May 23, 1940, Serial No. 336,853
4 Claims. (Cl. 286—33)

1. In a packing structure, a body formed with a bore, a sleeve fitting snugly in said bore and shiftable longitudinally therein with a portion projecting outwardly from the bore and provided with an outstanding annular flange having slots leading from its outer peripheral edge, a disc about said sleeve having slots leading from its outer peripheral edge, bolts pivotally carried by said body for passing through the slots of said disc and holding the disc firmly against the outer end of said body when nuts of the bolts are tightened, a packing gland carried by said disc and



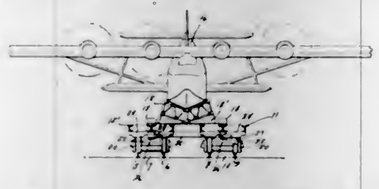
fitting snugly about said sleeve, stems carried by said disc and extending outwardly therefrom through the slots in the flange of said sleeve, nuts carried by said stems and seated in the slots of the sleeve with portions of the nuts engaging the sleeve for shifting the sleeve longitudinally through the bore when the wing nuts are turned, packing in said sleeve for fitting about a shaft, and a nipple in said sleeve shiftable longitudinally therein for applying pressure to the packing longitudinally of the sleeve.

2,234,521
METHOD AND APPARATUS FOR PRODUCING GLASS FILAMENTS
Adolf Dietzel, Berlin-Zehlendorf, Germany
Application February 23, 1939, Serial No. 258,039
In Germany February 28, 1938
6 Claims. (Cl. 83—91)



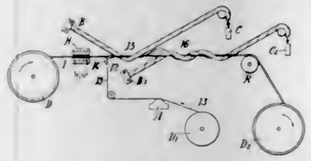
1. In an apparatus for producing glass filaments, a carrier body in the form of an elongate solid of revolution mounted in an inclined position for rotation about its axis, means for feeding a glass melt upon the carrier adjacent its upper end, means for slowly rotating said carrier whereby, in conjunction with the action of the force of gravity, a uniformly thin tubular stream of molten glass is formed thereon, a plurality of fine conduits adjacent the lower end of said carrier and having open ends directed radially of said carrier, and means for supplying pressure fluid to said conduits whereby the lower end of said stream of glass is blown into filaments.

2,234,522
SUPPORTING CARRIAGE
Reuben H. Fleet, William B. Wheatley, and Isaac M. Laddon, San Diego, Calif.
Application February 2, 1937, Serial No. 123,682
Renewed June 13, 1939
18 Claims. (Cl. 105—1)



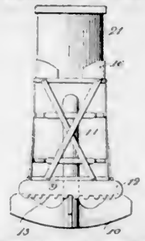
1. A vehicle adapted to run on rails of double track systems comprising a plurality of pairs of trucks adapted to run on opposite tracks, a load carrying member supported on the trucks, tension links for each truck of a pair pivoted to the load carrying member and to the truck, a lever arm carried by one tension link on one truck of a pair, and a connecting rod pivoted to the lever arm and to the tension link for the other truck of the pair whereby the load carrying member is held centered in compensating for varying distances between trucks in a pair.

2,234,523
INSULATED ELECTRICAL CONDUCTOR AND METHOD FOR ITS PRODUCTION
Walter Fischer, Furstenwalde, near Berlin, and Kurt Otto, Ketschendorf, near Berlin, Germany
Application September 13, 1938, Serial No. 229,756
In Germany September 13, 1937
8 Claims. (Cl. 173—244)



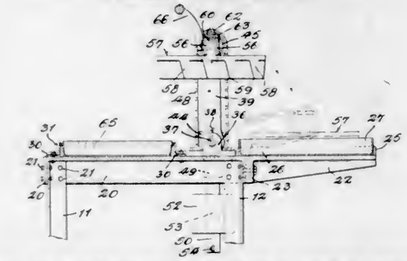
1. The method of applying a thin film insulation to an electric conductor wire, which consists in drawing a length of the wire continuously along a lineal path, heating the wire as it is drawn along said path, contacting the heated wire longitudinally with a ribbon band of thin film insulating material continuously drawn forward therewith along the same lineal path, the said band being coated upon its contacting side with a thermoplastic adhesive becoming adherent only under the action of heat and being contacted with said wire with its edges disposed substantially parallel to the axis of the wire, and passing the thus contacted wire and film band together through means helically engaging thereabout with a light pressure acting to first lay and press one marginal portion and edge of the band upon the wire and then to lay and press the opposite marginal portion and edge of the band upon the wire in a complete circumferential wrapping around the wire with said edges engaging one another and with both of the edges still running lengthwise of the wire substantially parallel with its axis.

2,234,524
CHURN SUPPORT
Forest L. Fulwider, Anamosa, Iowa
Application January 30, 1940, Serial No. 316,408
2 Claims. (Cl. 259—75)



1. A supporting frame comprising, a base, a soft rubber ring on the under side of the base, brace members extending upwardly from the base, a platform on the upper ends of the brace members, upstanding flanges on the platform, and a pair of superposed spaced rubber rings disposed within the enclosure of the braces coaxial with the frame.

2,234,525
APPARATUS FOR FORMING TWIST DOUGH
Carl C. Guldbech, Bronx, N. Y.
Application May 3, 1940, Serial No. 333,224
9 Claims. (Cl. 107—21)

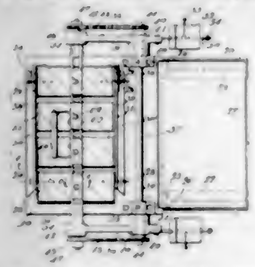


1. In a machine for forming a twisted loaf of dough, a base, support legs thereon, pan centering means on the base comprising adjustable side plates and one adjustable end plate, a flour tray supported by the base positioned parallel to the pan centering means but spaced therefrom, a swingable member on the base positioned between the pan centering means and the tray, said swingable member having a head at its upper free end, the swingable member having an arcuate movement so as to alternately position the head within a pan on the centering means and the flour tray, and said head having cutting blades arranged parallel to one another and at an angle to the longitudinal axis of the head.

2,234,526
METHOD FOR TWISTING DOUGH
Carl C. Guldbech, New York, N. Y.
Original application May 3, 1940, Serial No. 333,224. Divided and this application September 13, 1940, Serial No. 356,696
7 Claims. (Cl. 107—54)

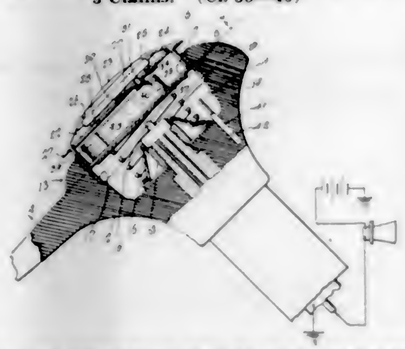
1. The method of forming twist bread which comprises forming dough into an elongated mass, positioning the dough in a baking pan, simultaneously severing and slightly compressing the dough into individual pieces, the severance of the dough being at an oblique angle to the longitu-

dinal axis of the dough mass, proofing the dough to obtain a molecular and fiber displacement of



the dough in a direction of least resistance, and baking the dough thus formed.

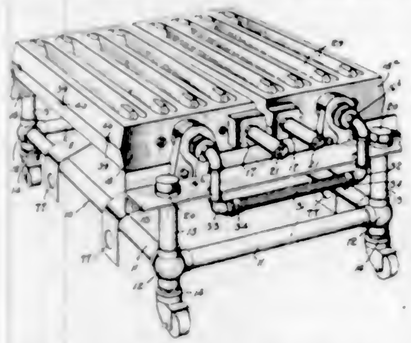
2,234,527
CLOCK HORN BUTTON
Maurice H. Hollingsworth, Miami Beach, Fla.
Application March 12, 1936, Serial No. 68,531
3 Claims. (Cl. 58—46)



2. The combination with an automobile steering wheel having a conventional horn button accommodating well in its hub, said well being provided with horn button retaining means and at its bottom with a horn button operating contact; of a clock formed to normally telescope into said well and be depressible to engage and operate said horn button operating contact, said clock including elements effectively engageable with said horn button retaining means to normally retain said clock in said well for rotation with the steering wheel, said clock comprising a winding inertia weight wholly supported by said clock and spaced from said hub and said well and swingable on an axis substantially parallel to that of the steering wheel for winding the clock as the steering wheel is turned to either side in normal steering operations.

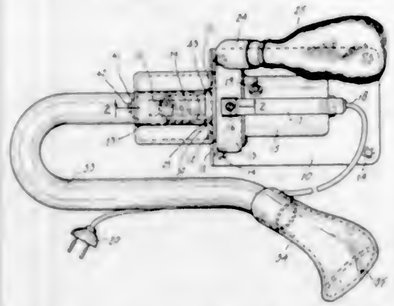
2,234,528
ROTATABLE INGOT MOLD
Albert H. Jung, Flushing, N. Y., assignor to United American Metals Corporation, Brooklyn, N. Y., a corporation of New York
Application July 8, 1939, Serial No. 283,484
9 Claims. (Cl. 22—139)

7. An integral double-sided fluid cooled mold adapted to be rotated or oscillated for dumping comprising a unitary casting having a plurality of cavities in its top and bottom sides and provided with interspersed heat exchange fluid medium passages therethrough, said passages directly cooperating with the side walls of said cavities to remove heat therefrom, a set of single walls being common to the bottoms of the cavities in the top side and the bottom side of each mold section, the cavities being generally trapezoidal in cross section and of a height generally corresponding to the height of said mold, the fluid passages being generally hexagonal in



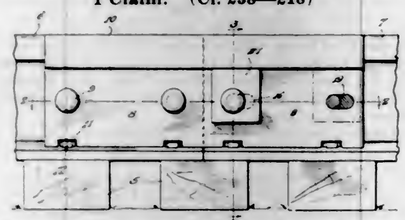
cross section, a plurality of plugged openings in the exterior side walls of said mold, whereby the same is adapted to be fabricated by casting in a two-part mold with destructible cores which may be removed through the openings in the side walls thereof, the trapezoidal section of said cavities providing draft for the casting of said mold as well as draft for the casting of ingots in said cavities.

2,234,529
ERASER AND CHALK RAIL CLEANER
John C. Mather, Indianapolis, Ind.
Application August 11, 1938, Serial No. 224,295
5 Claims. (Cl. 15—12)



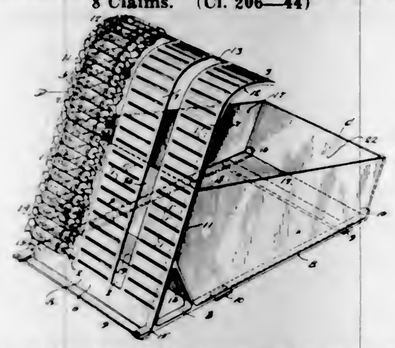
1. In a suction cleaner suitable for eraser cleaning, the combination with a chamber subject to a source of suction and having an upper, eraser supporting face with an elongated aperture therein, and an elongated rigid member in said chamber and with longitudinally directed rigid rib means thereon movable into and out of the aperture in the rotation of said member, of guard means of rib like character extending across the aperture, the rib means having recesses therein coincident with the guard ribs, the rib means intermediate the recesses projecting upwardly between the guard means and above the plane of the supporting face for eraser contact in the rotation of said member.

2,234,530
RAIL JOINT
Walter Matlock, Baltimore, Md.
Application May 24, 1939, Serial No. 275,534
1 Claim. (Cl. 238—218)



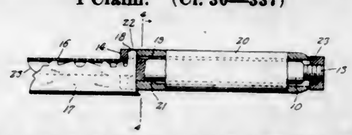
The combination with abutting rail sections including vertical webs having openings therein, of splice bars disposed on opposite sides of the rail sections and provided with transverse openings registering with the openings in the rail webs, one of said splice bars being provided with an offset tread surface defining a horizontal shoulder, certain of the transverse openings in the splice bars being elongated longitudinally of the rail webs to form transversely alined slots having oppositely disposed concave end walls, securing bolts extending through the openings in the rail webs and slots in the splice bars, removable concavo convex filler blocks of uniform cross sectional diameter throughout their entire lengths and formed of resilient relatively compressible material fitting within the transversely alined slots and having their inner and outer ends flat with their inner ends bearing against the adjacent rail webs and with the convex portions thereof engaging the concave ends of the slots and with the concave portions bearing against the adjacent securing bolts, retaining plates mounted on certain of the securing bolts and bearing against the outer flat ends of the adjacent filler blocks to prevent displacement thereof, the upper edges of the retaining plates fitting against the horizontal shoulder of the tread surface, and nuts engaging the bolts and bearing against the outer faces of the retaining plates.

2,234,531
DISPLAY FOR ARTICLES OF MERCHANDISE
Thomas A. Mealey, Atlantic City, N. J.
Application May 25, 1939, Serial No. 275,772
8 Claims. (Cl. 206—44)



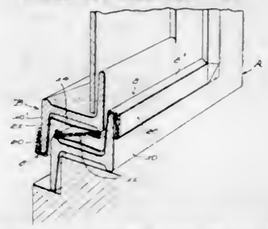
1. A display device comprising a panel support provided with a plurality of elongated relatively narrow slots or slits arranged in parallel spaced relation to each other and at a distance apart substantially equal to the transverse dimension of the article displayed, and said slots being parallel to the longitudinal axis of the article displayed, and an attaching member formed of a transparent web or band depressed through each slot or slit in the same direction, with the opposite ends of each loop maintained relatively close together and tensioned by the closely spaced edges of the support at the respective slots or slits aforesaid, whereby when the articles are mounted in the loops pressure is exerted on the web at the ends of each loop and the sides of the articles are in contiguous relation to thereby hide the slits and face of the support between the slits.

2,234,532
KNIFE
John E. Nelson, Galena, Kans.
Application January 3, 1940, Serial No. 312,291
1 Claim. (Cl. 30—337)



In a device of the character described, a knife including a flange headed threaded shank having a vertical slot therein, a guard mounted in said slot and extending from said head, a blade having a vertical projection thereon mounted in said guard with the projection in said slot, a sleeve mounted on said threaded shank for holding said blade in said guard, and a nut on said threaded shank for releasably holding said sleeve in engagement with said blade.

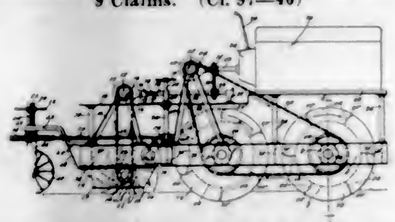
2,234,533
WEATHER STRIP FOR METAL WINDOWS
Stephen J. Nolan, Mount Vernon, N. Y.
Application April 24, 1939, Serial No. 269,557
3 Claims. (Cl. 189—65)



3. In a window of the casement type including cooperating sash and frame angles having spaced parallel oppositely extending flanges offset from each other and right-angularly disposed connecting webs, a weather strip for each sash and frame angle including substantially right-angular body portions adapted to lie substantially parallel with the webs of each angle and to contact the inside surfaces of adjacent flanges, said last mentioned portions being bent over the ends of the flanges forming resilient locking clamps, the opposite ends of the body portions being bent upon themselves to form angularly extending sealing tongues and short portions connecting the tongues to said opposite ends of the body portions, each short portion being spaced from and extending parallel to the adjacent part of said opposite end of the body portion and each short portion being connected with the tongue by a bendable line and said sealing tongues contacting

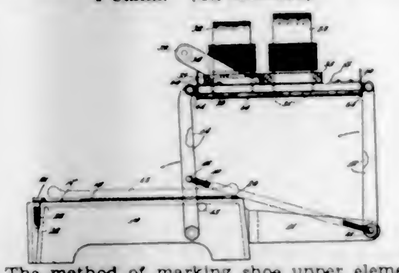
each other substantially throughout their adjacent surfaces with the free end of one tongue contacting a short portion of the other tongue.

2,234,534
PALMETTO CUTTING AND ROOT EXTERMINATING MACHINE
Lavere E. Reno, Sarasota, Fla.
Application November 27, 1939, Serial No. 306,356
9 Claims. (Cl. 97—40)



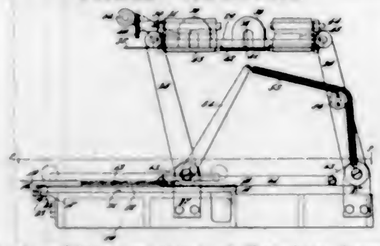
1. In a cutting and root exterminating machine of the character described, a tractor having a driving motor unit thereon, said machine being tractively supported on drums having spirally arranged circumferential cutting-and-digging blades, and a trailing, vertically adjustable, rotary extractor element having a plurality of circumferential soil-entering spike members to engage and extract roots from the soil over which said drums have passed.

2,234,535
METHOD FOR ASSEMBLING DIES IN MARKING MACHINES
Claude D. Tilson, Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
Application September 23, 1938, Serial No. 231,385
1 Claim. (Cl. 101—301)



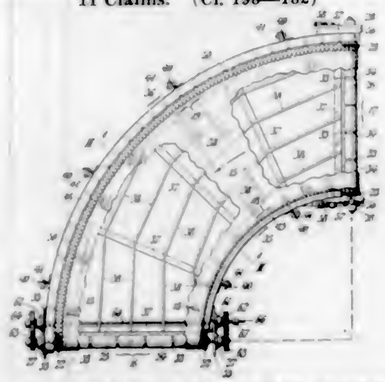
The method of marking shoe upper elements and like materials in a machine of the type having stationary and movable members, including magnetic means on the movable member and gauge means on the stationary member for positioning the element to be marked, which method comprises positioning on the stationary member a marking plate of magnetic material having an edge portion conforming to that of the element to be marked so that said edge portion is contiguous to the gauge means, actuating the movable member to bring it into operative relation with the stationary member so that said magnetic means is brought into position to pick up and firmly hold said marking plate in fixed position against the under side of said movable member, thereafter positioning the element to be marked against said gauge means, and actuating the movable member so as to bring the marking plate into operative engagement with said element, thereby accurately to apply markings to the same.

2,234,536
MARKING MACHINE
Claude D. Tilson, Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
Application July 25, 1939, Serial No. 286,388
4 Claims. (Cl. 101—301)



2. A marking machine of the class described comprising a base, a work bed on said base for receiving and holding in predetermined fixed position a shoe upper element or the like, a platen, a pair of front and rear parallel links for supporting said platen for movement toward and away from said work bed, magnetic means for holding a marking plate in predetermined fixed position against the underside of said platen, means for supporting a sheet of transfer material between a marking plate held by said magnetic means and a shoe upper element on said work bed, and means for effecting a shock-free retraction of said platen when swung to marking position, said means comprising an outstanding part on one of said rear links and an elongate elastic member having one end fixed to said base and extending over said outstanding part with its opposite end operatively connected to one of said front links.

2,234,537
BELT CONVEYER
Ernest Linwood Blackburn, Haddon Heights, N. J., assignor to Korb-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 22, 1940, Serial No. 325,302
11 Claims. (Cl. 198—182)



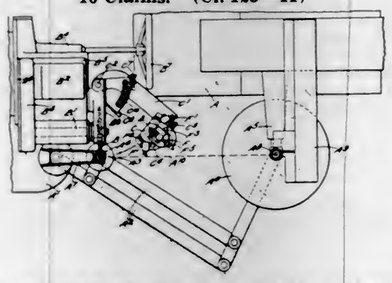
1. The combination of an endless conveyer belt

with adjacent parallel oppositely moving runs making a lateral, edgewise bend, guides for the vertical bends of said belt from run to run arranged at an angle to one another corresponding to the change of direction in the belt runs, rotary drivers of like size in interlocking engagement with said belt at widely separate points in its width and arranged substantially coaxial with the guide for a vertical bend of said belt, and means for driving said rotary drivers at different angular velocities proportional to the different lengths of the portions of the belt which the respective drivers engage, so that the various portions of the belt across its width all traverse said vertical bend of the belt, as well as the edgewise-bent or curved belt runs themselves, at different linear velocities corresponding to their own different lengths.

2,234,538
BENEFICIATING NAPHTHAS
Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 10, 1938, Serial No. 229,293
7 Claims. (Cl. 196—13)

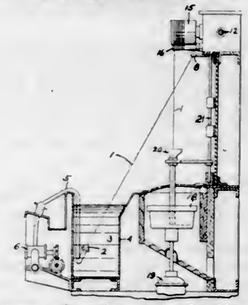
5. In a process of the character described, substantially eliminating from a light petroleum distillate hydrocarbons of less than six carbon atoms, mixing the distillate with an organic amine selective solvent having a boiling point not lower than about 450° F. from the group consisting of alphanaphthylamine, betanaphthylamine, phenylenediamines and diphenyl amines, washing the petroleum distillate portion with water, and re-forming the distillate portion by subjecting to heat in the presence of a catalyst.

2,234,539
APPARATUS FOR TRUING GRINDING AND ABRASIVE WHEELS
Ernest Albert Cooke, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain
Application April 10, 1939, Serial No. 266,950
In Great Britain April 11, 1938
16 Claims. (Cl. 125—11)



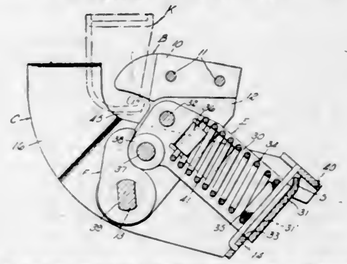
1. In apparatus for truing grinding or abrasive wheels and the like for grinding and abrading machines, in combination, a support for the grinding wheel, a carrier mounted on the support, a truing unit mounted on the carrier and comprising a primary link mounted to swing about a primary axis on the carrier, a secondary link mounted to swing about a secondary axis on the primary link, a truing device carried by the secondary link, a follower carried by the secondary link, and at least one straight guide on the carrier for cooperation with the follower, the distance between the secondary axis and the follower and between the secondary axis and the truing device being normally equal to the distance between the primary and secondary axes, translational movement of the secondary link about the primary axis accompanied by pivotal movement of the secondary link about the secondary axis, as constrained by the guide engaging the follower, causing the follower to move radially with respect to the primary axis whilst the truing device moves relatively to the grinding wheel along a straight-line path.

2,234,540
MANUFACTURE OF STAPLE FIBER YARN
Louis S. Fryer, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 25, 1937, Serial No. 144,602
5 Claims. (Cl. 18—54)



1. A process of making staple fiber yarn comprising the steps of extruding a spinning solution into a coagulating medium to form a multiple filament thread; storing the thread on each of at least two rotating helix-forming devices in a traveling spiral characterized by a relatively large number of closely spaced, generally helical turns; and breaking the filaments of which the thread is composed by stretching them beyond their individual breaking points before completion of the coagulation of the filaments while the thread is passing from one of said helix-forming devices to a succeeding helix-forming device rotating at a higher peripheral speed, the step of breaking the filaments being performed without destroying the identity of the thread as a whole.

2,234,541
REFRIGERATOR LATCH
Stuart W. Parsons, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application June 27, 1940, Serial No. 342,758
5 Claims. (Cl. 292—332)



1. A refrigerator latch including a frame hav-

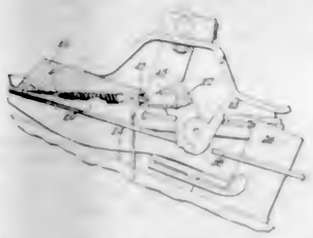
ing an abutment thereon, a bolt pivotally secured to said frame, a plunger pivotally secured to said bolt, a sear on the plunger engageable with the abutment for retaining the bolt in unlatched position, spring means for moving the sear away from the abutment and for urging the bolt to latching position, and retracting means for retracting said sear into retentive engagement with the abutment.

2,234,542
RUBBER HEEL
John F. Anderson, Chicago, Ill.
Application December 4, 1939, Serial No. 307,497
5 Claims. (Cl. 36—36)



1. A renewable heel structure including a plate adapted for permanent attachment to the underside of a shoe at its heel portion, a flange extending from the periphery of the plate at the sides and rear thereof and having an inturned free edge, a rib on said plate substantially parallel to said flange, a rubber heel of substantially the same outer contour as the plate and having a peripheral groove wherein said inturned edge engages, said heel having a slit to receive said rib, said rib constituting means to compress the rubber against the flange, said rubber heel having a forwardly opening gap between its sides and the wall of said gap being provided with a groove at the sides and rear of the gap, and a spreader plate fitted removably in said gap to engage in said groove.

2,234,543
MANUFACTURE OF MOCCASINS
Fred Ashworth, Wenham, and Corwin W. Baker, Stoneham, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 15, 1938, Serial No. 240,546
31 Claims. (Cl. 12—142)



1. That method of making moccasins which comprise positioning a moccasin bottom on a forepart-shaping form, applying shaping means to the forepart of the moccasin bottom, operating said shaping means to shape the forepart of the moccasin bottom to the form, holding the shaped forepart against the form by said shaping means, and then, while the forepart is so held, applying a portable clamping member to the forepart between the trimming line and the sole portion of the moccasin bottom to hold the moccasin bottom in shaped condition on the form until a toe piece is secured to the moccasin bottom.

2,234,544
LASTING CLAMP
Fred Ashworth, Wenham, and Corwin W. Baker, Stoneham, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 4, 1940, Serial No. 327,930
14 Claims. (Cl. 12—107)



1. A clamp for holding a moccasin bottom against a form, said clamp comprising a member constructed and arranged to engage the periphery of the forepart of the moccasin bottom and to grip it against the periphery of the form, and means constructed and arranged to engage the margin only of the sole portion of the forepart of the moccasin bottom adjacent to the toe end and at the ball portion thereby to position the clamp heightwise of the moccasin bottom.

2,234,545
MANUFACTURE OF VULCANIZED, MODIFIED FATTY OILS
László Auer, Jackson Heights, N. Y., assignor to J. Randolph Newman, Washington, D. C., as trustee
No Drawing. Application October 24, 1938, Serial No. 236,800. In Hungary May 19, 1926
18 Claims. (Cl. 260—399)

1. The process which comprises mixing a fatty oil with between 2 and 10 per cent of an alkali metal sulphite, heating the mixture to between 250° and 310° C. until a thickened, heat-bodied, polymerized oil product is obtained and then subsequently vulcanizing the modified, heat-bodied oil product so obtained.

16. The two-step process of bodying and modifying organic isocolloids capable of being modified by heat and of being vulcanized with sulphur, which comprises first heating the said isocolloid in the presence of a polar compound, at a temperature and for a time sufficient to partially body and modify it and then vulcanizing the modified partially heat-bodied product with sulphur under heat sufficient to effect substantial vulcanization and further alteration of the properties of said product.

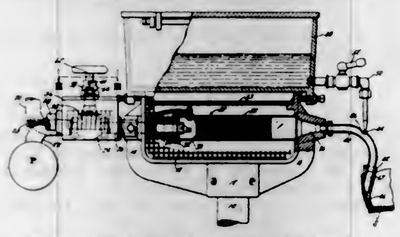
2,234,546
COVERALL GARMENT
Olive Holmes Basch, Westfield, N. J.
Application May 19, 1938, Serial No. 208,833
1 Claim. (Cl. 2—114)



A garment comprising sleeves, a body portion

adapted to fit snugly around the waist line, a skirt portion gradually enlarged downward from the waistline to a width about the same as the shoulders, and a bottom having a size and shape corresponding substantially to that of a cross-section of the uppermost widened part of the skirt portion during use, said bottom normally tending to lie relatively flat at right angles to the body portion during use, said body and skirt portions being openable in the front from the neck substantially to the bottom along a single vertical line.

2,234,547
METHOD OF AND APPARATUS FOR SMOOTHING SHOE UPPERS
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 12, 1939, Serial No. 267,469
18 Claims. (Cl. 12—51)



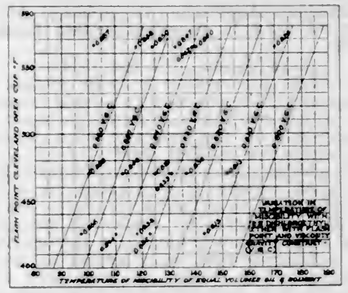
1. The method of removing wrinkles from uppers and linings of substantially completed shoes which comprises heating air to a temperature high enough to smooth the material to be operated upon, adding a predetermined amount of moisture to the heated air sufficient in quantity to materially enhance the wrinkle removing quality of the air but insufficient to moisten the material to a point where the shoe need be relasted to permit the material to dry, and blowing the moist heated air on the wrinkled material.

2,234,548
PHENOLIC RESIN
James L. Brannon, Plainfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 27, 1937, Serial No. 176,809
21 Claims. (Cl. 260—57)

1. The method of preparing a phenolic condensation product which comprises reacting phenol with formaldehyde in the presence of tetramethyl ammonium hydroxide until a resin is precipitated upon the addition of water to a cooled sample of the reaction mass.

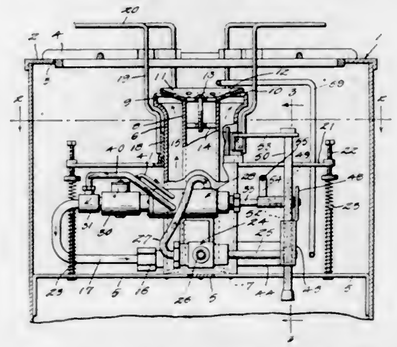
2,234,549
PROCESS FOR PRODUCTION OF LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 17, 1933, Serial No. 680,719
12 Claims. (Cl. 196—13)

1. A process for the separation of paraffinic and non-paraffinic hydrocarbons from a lubricating oil comprising fractions of substantially equal solvent power but of widely different degrees of paraffinicity which comprises separating said oil into a plurality of fractions, each fraction being characterized by a narrow molecular weight range, subsequently separately solvent extracting



said fractions into a plurality of oil fractions comprising raffinates insoluble in the solvent and extract phases soluble therein, separating said raffinates from said extracts and commingling the raffinates from said extractions.

2,234,550
AUTOMATIC FUEL BURNER
Ralph C. Bridgeman, Fresno, Calif., assignor of one-fourth to Ruth Henry, and one-fourth to James E. Henry, both of Santa Monica, Calif.
Application March 11, 1939, Serial No. 261,279
7 Claims. (Cl. 126—52)



1. An automatic fuel burner of the character described having a vertical lower portion, comprising a burner head, a collar carried by and vertically movable on said portion, a grate member supported by said collar for movement relative to the burner head, a fuel line leading to said burner head, a valve in said fuel line including a control stem, means coupling said valve control stem with said collar whereby movement of the grate and the collar in one direction will effect the turning of the stem and opening of the valve and reverse movement will reversely turn the stem to effect the closing of the valve, manually operated means between the valve and burner for reducing the flow of fuel through said fuel line to the burner head, and means operating by and upon the return movement of the grate supporting collar to the valve closed position for restoring the manually operated means to permit the full flow of fuel through the line when said valve is again opened.

2,234,551

PREPARATION OF LACTONES

Charles Collaud, Geneva, Switzerland, assignor to the firm Givaudan-Delawanna Inc., New York, N. Y.

No Drawing. Application December 31, 1937, Serial No. 182,815. In Great Britain January 4, 1937

10 Claims. (Cl. 260—344)

1. Process for making a cyclic lactone containing from 12 to 18 carbon atoms in the lactone ring, which comprises heating an ester of a hydroxy-acid in the presence of a functional group exchange catalyst, said ester of the hydroxy-acid having the general formula HO—R—CO—O—R', where R represents an aliphatic radical with 11 to 17 carbon atoms in the chain and R' represents the radical of an alcohol, R'OH, said alcohol boiling at a temperature at least sufficiently high with respect to the boiling point of the lactone to carry with it substantially all the lactone from the reaction chamber continuously as the latter is formed.

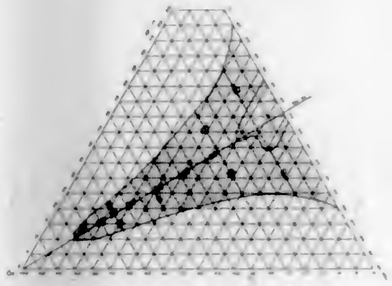
2,234,552

HARDENED NONFERROUS ALLOY

Reginald S. Dean, Washington, D. C., and Clarence T. Anderson, Pittsburgh, Pa., assignors to Chicago Development Company, Chicago, Ill., a corporation of Illinois

Application October 23, 1939, Serial No. 300,798

8 Claims. (Cl. 148—32)



1. A corrosion resistant alloy consisting essentially entirely of copper, manganese and nickel, falling within the shaded area of Fig. 1, hardened by a quenching and aging procedure, said alloy being characterized by a substantially lower electrical resistance in the hardened state than in the quenched state.

2,234,553

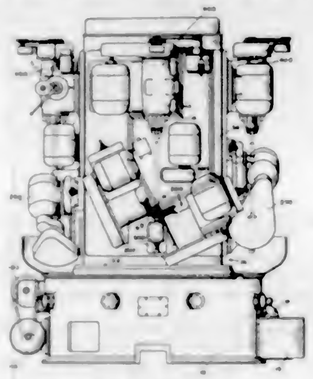
MULTIPLE STATION SURFACE FINISHING MACHINE

Robert S. Drummond, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application November 29, 1937, Serial No. 177,147

29 Claims. (Cl. 90—11)

1. A multiple station surface finishing machine comprising a plurality of separate finishing mechanisms, means for moving said mechanisms serially repeatedly past a loading position, means associated with each mechanism for gripping a work piece, means automatically controlled by the approach of each mechanism to the loading position to release said gripping means, and resilient means holding said work



piece in position after the release of said gripping means.

2,234,554

PROCESS OF RECOVERING VITAMINS

Harold W. Elley, Wilmington, Del., and James Waddell, Metuchen, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 28, 1938, Serial No. 193,212

14 Claims. (Cl. 167—81)

1. In a process of recovering a vitamin from materials containing a provitamin involving activation, extraction and distillation steps, the improvement which comprises adding a stabilizer which comprises a compound taken from the class consisting of sugar amines and aliphatic acid salts thereof which stabilizer does not decompose in the presence of ultra-violet light and does not substantially absorb the same prior to the final distillation step.

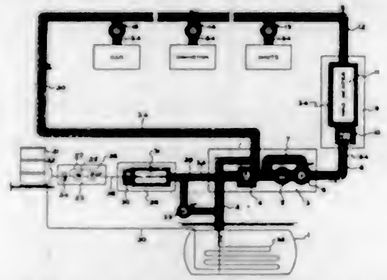
2,234,555

FUEL TREATING SYSTEM

John A. Erickson, Jackson, Mich.

Application December 6, 1937, Serial No. 178,354

7 Claims. (Cl. 91—44)



7. A device of the character described comprising a source of viscous material, too solid to be pumped at ordinary temperatures, a device for spraying said material, a pipe system including a pump connecting said source and said spraying device, a closed fluid circuit paralleling and in juxtaposed relation to said pipe system in heat exchanging relation thereto, heat insulation jacketing said system and circuit, and means to circulate a hot fluid through said circuit to heat said system.

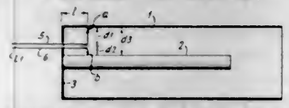
2,234,556

HIGH FREQUENCY COUPLING SYSTEM

Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1939, Serial No. 292,770

9 Claims. (Cl. 178—44)



1. In a high frequency system, a circuit balanced to ground, a coaxial line having an inner conductor and an outer conductor coupled together at one end, a connection from one side of said balanced circuit to the inner surface of the outer conductor of said coaxial line, and a connection from the other side of said balanced circuit to the outer surface of the inner conductor of said coaxial line, the points of connection between the conductors of said coaxial line and said balanced circuit being such that each side of said balanced circuit is terminated with the same impedance by said coaxial line, both sides of said balanced circuit entering the space between the conductors of said coaxial line in proximity to each other.

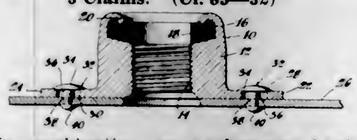
2,234,557

ANCHOR NUT

Daniel C. Hungerford, Madison, N. J., assignor to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey

Application May 24, 1938, Serial No. 209,670

3 Claims. (Cl. 85—32)



1. In combination, an anchor nut having a main body portion and a laterally projecting apertured flange portion, a member to which said flange is attached, attaching means passing through apertures in said flange and said member for attaching said flange to said member, said attaching means having sufficient clearance in said flange aperture to permit said nut to have limited lateral movement with respect to said member and said attaching means, said attaching means including friction applying means effective on said flange to restrain said movement of said nut without limiting the extent of said movement.

2,234,558

COMBINED DISPENSING AND APPLYING DEVICE

Tom Huston, Hartford, Conn.

Application November 13, 1936, Serial No. 110,725

9 Claims. (Cl. 15—136)



1. A combined dispensing and applying device having an elongated chamber therein for material to be dispensed, one end of said chamber being open, and an applying pad having an interior portion formed of non-absorbent sponge rubber material of substantial thickness extending a substantial distance into, attached to, and closing said open end of said chamber, said pad also having a resilient sponge rubber exterior portion having normally closed slit forming outlet means therein normally maintained closed in all directions of movement of said device, said chamber being formed with resilient side walls compressible to open said slit, said exterior sponge rubber portion having a roughened rubbing surface formed around the outlet of said slit, and said device being generally tubular and having said chamber, pad and outlet means substantially coaxially disposed.

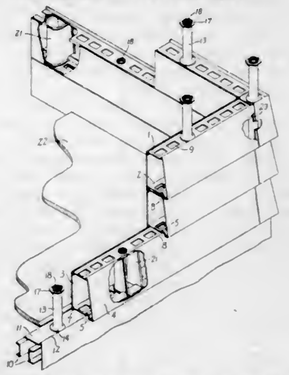
2,234,559

BUILDING CONSTRUCTION

Joseph D. Jacobs, White Plains, N. Y.

Application November 27, 1939, Serial No. 306,266

10 Claims. (Cl. 189—34)



2. In a building construction, a vertical sectional frame, a plurality of wall elements each having a web extending from its face, and means engaging said webs to clamp the wall elements between the sections of the frame and to suspend each wall element independently of the others.

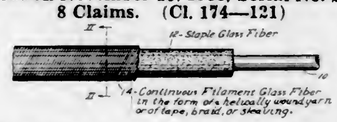
2,234,560

COVERED WIRE

John J. Keyes, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

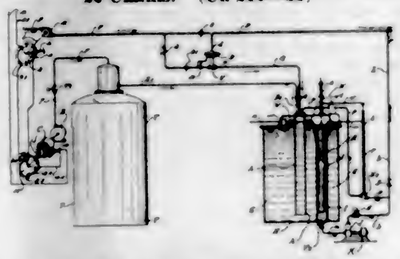
Application November 16, 1938, Serial No. 240,701

8 Claims. (Cl. 174—121)



1. An article of manufacture comprising a wire and a covering therefor, said covering comprising an inner resilient layer of unwoven substantially alkaline-free glass fibers of the staple type applied directly around and over the wire and an outer layer of substantially alkaline-free glass fibers of the continuous type, said outer layer being in the form of a braid of the continuous fibers and being applied directly around and over the inner resilient layer of glass fibers.

2,234,561
LIQUID PROPORTIONING SYSTEM
Arthur E. Kittredge, Audubon, N. J., assignor to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 19, 1939, Serial No. 274,596
20 Claims. (Cl. 210—22)



1. A method of continuously proportioning a liquid to a stream of another liquid comprising primarily feeding the first-named liquid intermittently in successive amounts proportioned to the flow of said second-named liquid, mixing said intermittently fed liquid with a stream of liquid diluent delivered at a rate in accord with the rate of flow of said second-named liquid, accumulating a large volume of said mixture, while flowing, to effect uniformity of concentration of said first-named liquid in the mixture from said accumulated volume thereof, and delivering said mixture into mixture with said second-named liquid.

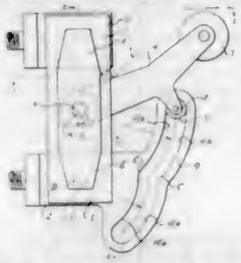
12. Liquid feeding and proportioning apparatus comprising a mixing chamber, means for intermittently feeding to said mixing chamber a liquid in successive amounts proportioned to the flow of a stream of a second liquid, means delivering a stream of liquid diluent to said mixing chamber at a rate varying in accord with the rate of flow of said second-named liquid, a storage chamber receiving the mixture from said first-named chamber and having such relatively large capacity that uniformity of concentration of said first-named liquid in the mixture is effected, and means for delivering the mixture from said storage chamber into mixture with said second-named liquid.

2,234,562
BABY CRIB
Max Klopfer, Woodside, and Max Rothschild, New York, N. Y.
Application June 23, 1939, Serial No. 280,744
4 Claims. (Cl. 5—93)



1. A baby crib made up of sections, comprising six sections, these sections being formed in two symmetrical parts of three sections each, each symmetrical part having an end section and two side sections vertically hinged on opposite posts of the end section, each section having two end vertical posts, the posts of each end section being hinged to the adjacent posts of each side section to form joint corner posts, horizontal cross-bars mounted on the end posts of each side section, an intermediate vertical post mounted on said cross-bars, other vertical posts mounted on said cross-bars between the end posts, all so spaced from each other as to prevent a baby passing thru between them, the joint corner posts and the opposite end post of each side section and an intermediate vertical post having means in the same plane for supporting flat cross-pieces thereon, said supporting means on said intermediate vertical post on opposite sides being so constructed that the flat cross-pieces are tiltable upwardly, and flat cross-pieces supportable on said supporting means, the supporting means being so constructed that the cross-pieces are insertable in and removable from each section.

2,234,563
CIRCUIT CONTROLLING DEVICE
Edwards Kneass, Philadelphia, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application January 18, 1939, Serial No. 251,487
7 Claims. (Cl. 200—162)



1. A switch comprising a contact, a pivotally mounted structure including a contact movable to engage said first-named contact, means for releasably clamping said contacts to each other, an operating member for said movable contact and for said clamping means pivotally mounted upon said structure, and a cam having arcuate surfaces whose centers of curvature substantially correspond respectively with the pivotal axes of said structure and of said member for sequentially precluding movement of said member about said axes to enforce actuation of said movable contact and said clamping means in predetermined sequence.

2,234,564
METHOD OF KNITTING HEEL TABS ONTO COMBINATION LEG AND FOOT STOCKING BLANKS
Fritz Lambach, Fairview, N. J., assignor to Robert Reiner, Incorporated, Weehawken, N. J.
Original application December 17, 1938, Serial No. 246,370. Divided and this application December 18, 1939, Serial No. 309,845
25 Claims. (Cl. 66—82)

1. The method of manufacturing stockings, which consists in knitting the leg section, the instep section, the sole sections, and the toe section of a stocking as a continuous unitary fabric; separating the sole sections from the adjoining portions of the leg section; supporting in alignment on the bank of needles of a knitting machine the separated sole sections and adjoining portions of the leg section; laying yarns simultaneously in opposite directions on the needles supporting said portions of the leg section and knitting heel tabs as continuations of the latter; and transferring in overlapping relation the supported loops of the sole sections onto the selvedge loops of the heel tabs to form an interknitted



connection between the heel tabs and the sole sections as the knitting of the heel tabs progresses.

2,234,565
MOISTUREPROOF COATING
Daniel D. Lanning, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 8, 1937, Serial No. 162,888
18 Claims. (Cl. 91—68)

1. A moistureproofing coating composition containing, dissolved in an organic solvent, a film-forming ingredient, a wax moistureproofing agent and the aluminum salt of rosin and modified rosin, said modified rosin being characterized by properties of the general nature of those of rosin, but with the difference that it has a molecular weight within the range 5% to 400% greater than ordinary rosin in its pure state; that it has a melting point, as determined by the capillary tube method, above 85° C. and higher than the melting point of pure abietic acid and of purified rosin when in the resinous state; that it is substantially free from combined sulfur and hardening substances held in combination; that it has an iodine value lower than that of pure abietic acid; and that it has a molecular weight higher than that of pure abietic acid, said salt being present in sufficient quantity to separate as a distinct phase after the removal of the solvent, but in insufficient quantity to substantially impair the transparency of the coating.

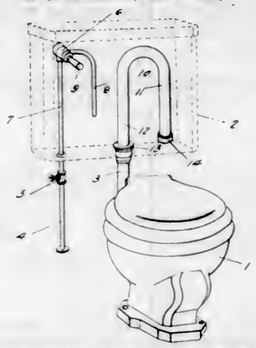
2,234,566
CATALYTIC PROCESS FOR THE PRODUCTION OF CAPROLACTAM, AMINO-CAPRONITRILE AND HEXAMETHYLENE DIAMINE
Wilbur A. Lazier and George W. Rigby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 23, 1938, Serial No. 221,016
7 Claims. (Cl. 260—464)

1. The process which comprises bringing a cyclohexanone oxime in the vapor phase, while admixed with ammonia, into contact with a dehydration type catalyst at a temperature between about 200° C. and about 500° C. and thereby obtaining caprolactam.

3. The process which comprises bringing a cyclohexanone oxime into contact with a dehydration catalyst at a temperature between about 200° C. and about 500° C., recovering ϵ-caprolactam from the resulting product and passing same together with an excess of ammonia over copper-on-silica gel at a temperature of about 360° C., thereby producing ϵ-amino-capronitrile.

4. The process which comprises bringing a cyclohexanone oxime into contact with a dehydration catalyst at a temperature between about 200° C. and about 500° C., recovering ϵ-caprolactam from the resulting product and passing same together with an excess of ammonia over copper-on-silica gel at a temperature of about 360° C., thereby producing ϵ-amino-capronitrile, and catalytically hydrogenating the ϵ-amino-capronitrile to hexamethylene diamine.

2,234,567
FLUSH TANK AND MECHANISM
Frank Liebert, Long Island City, N. Y., assignor of thirty-five per cent to Frank Hamilton, Brooklyn, N. Y., and ten per cent to John G. Sparkes, Great Neck, N. Y.
Application June 20, 1938, Serial No. 214,639
2 Claims. (Cl. 4—10)



1. In an automatic flushing toilet, a toilet bowl, a tank connected to the bowl by means of a U-shaped siphon tube set within the tank, and adapted to draw off the water in the tank with a flushing action, the open end of the said siphon tube having a gravity operated release valve; and manually controlled automatic means for supplying a pre-determined amount of water to the tank, the amount of water supplied to the tank being controlled independently of the water in the tank.

2,234,568
PRODUCTION OF HYDROCARBONS
Eduard Linckh, Ludwigshafen - on - the - Rhine, Germany, assignor, by mesne assignments, to William E. Currie, New York, N. Y.
No Drawing. Application January 18, 1937, Serial No. 121,238. In Germany January 21, 1936
5 Claims. (Cl. 260—449)

1. A process for the production of hydrocarbons by the catalytic reaction of carbon monoxide with hydrogen, which comprises passing a suitable mixture of such substances through a reaction chamber heated to reacting temperature, which chamber is substantially free from solid catalytic bodies not forming a part of the walls thereof, into which chamber amounts of from 0.1 to 1 cubic centimeters per liter of reaction space of a volatile metal carbonyl which will decompose at the reaction temperature are introduced at intervals, when necessary as indicated by a drop in the normal output of hydrocarbons.

2,234,569
HYDROPHOBE PHENOL - FORMALDEHYDE RESIN AND METHOD OF MAKING SAME
Karl Loos, Lancaster, Pa.
No Drawing. Application February 27, 1937, Serial No. 128,277
2 Claims. (Cl. 260—43)

1. A machinable, infusible phenol-formalde-

hyde resin, comprising the cured hydrophobe resin obtained by condensing phenol and formaldehye in the molecular proportion of approximately 1:2.4 in the presence of a sufficient quantity of basic catalyst to produce a colloidal solution of the condensate, followed by addition of acetone, acidification of the colloidal solution, further condensation and distillation of the separated resinous condensate until it is a viscous liquid and finally curing of such liquid.

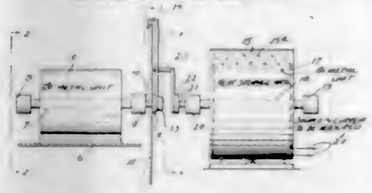
2,234,570

AMPERE DEMAND INDICATOR

Kenneth C. Markley, Huntingdon Valley, Pa., assignor to The Eastern Specialty Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 1, 1939, Serial No. 302,447

4 Claims. (Cl. 171—95)



1. A device of the character described comprising a pair of aligned shafts disposed end to end, a cylindrical metallic mass comprising means for electrically heating the same and into which one of said shafts extends, a thermally flexed spiral embraced by said mass, connected at its outer end to said mass and at its inner end to the last-named shaft, a pusher upon the inner end of the last-named shaft, a second thermally flexed spiral through which the other of said shafts extends and which is connected at its inner end to said shaft, means for anchoring the outer end of the last-named spiral, a graduated disc upon the last-named shaft, a pointer, movable over the graduations of said disc, with which said pusher has engagement in one direction of its movement only, and means for mounting said pointer frictionally with respect to the disc to adapt it to move with the disc or to be moved with respect to said disc under the influence of said pusher.

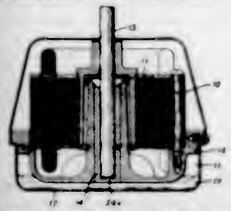
2,234,571

REFRIGERATION

Alex A. McCormack, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application November 29, 1932, Serial No. 644,841

7 Claims. (Cl. 308—168)



1. In a permanently lubricated vertical axis motor, in combination, a stationary part and a rotary part, said stationary part being secured to a stationary mounting and said rotary part being adapted to drive a load device exposed to the atmosphere, a vertically disposed bearing for said rotary part having an entrance for lubricant adjacent the lower end thereof and exposed to the atmosphere at the upper end thereof, a lubricant reservoir sealed from the atmosphere except through said bearing and extending above and below said entrance for lubricant, said reservoir and the amount of lubricant therein being proportioned to main the lubricant level above said entrance for lubricant only while the motor is positioned with the exposed end of the bearing above said entrance for lubricant whereby loss of lubricant through said bearing is prevented when the motor becomes inverted.

2,234,572

METHOD AND MEANS FOR IMPROVING MACHINABILITY OF FERROUS METALS

Frederick F. McIntosh, Sewickley, Pa., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 13, 1939, Serial No. 273,413

10 Claims. (Cl. 75—133)

1. A composition for the introduction of lead in finely dispersed form into ferrous metals and alloys while molten, comprising the fusion product of an oxide of lead and a sulfide of molybdenum.

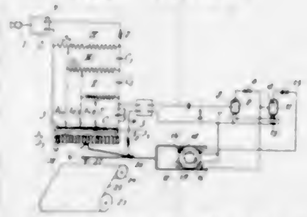
2,234,573

SOUND INTENSITY RECORDER

Georg Neumann, Berlin, Germany

Original application September 28, 1935, Serial No. 42,658, now Patent No. 2,178,641, dated November 7, 1939. Divided and this application March 7, 1939, Serial No. 260,297. In Germany March 29, 1935

1 Claim. (Cl. 179—1)



In an apparatus for recording the subjective values of sound intensities, a potentiometer connected to the terminals of a sound transforming means of such apparatus and including a plurality of individual sections receiving their input from said transforming means, and corresponding to various ranges of sound intensities, a plurality of potential dividers electrically connecting said sections to said terminals, at least one of said sections being connected through one of said dividers and a part of another, a condenser in circuit with the former of said dividers, and an inductance in series with said condenser and connected to one of said terminals.

2,234,574

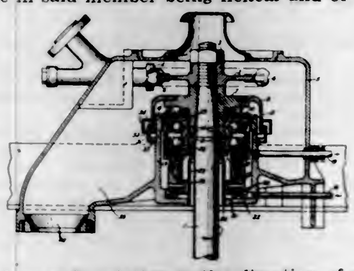
BEARING OF GYRATORY CENTRIFUGAL DEVICES

Charles A. Olcott, West Milford, N. J.

Application October 9, 1939, Serial No. 298,631

5 Claims. (Cl. 308—187)

1. A gyratory centrifugal comprising a vertical shaft, a bearing for said shaft, an elongated slinger, rotating with said shaft, for driving oil up into said bearing, a seal including a stationary grooved member in juxtaposition with the outer surface of the upper portion of said slinger, the groove in said member being helical and of such



helical sense in relation to the direction of rotation of said shaft that oil centrifuged from said slinger into said groove tends to be directed downwardly thereby.

2,234,575

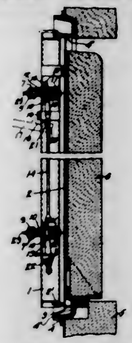
SELF-SEALING COKE OVEN DOOR

Carl Otto, Essen, and Eberhard Grasshoff, Bochum, Germany, assignors, by mesne assignments, to Fuel Refining Corporation, Dover, Del., a corporation of Delaware

Application December 8, 1937, Serial No. 178,707

In Germany December 28, 1936

13 Claims. (Cl. 202—248)



1. A coke oven door comprising in combination a door adapted to engage the door seat of a coke oven structure having a door seat and door holding means associated with said seat, of a locking member mounted on said door for movements toward and away from the latter into and out of operative engagement with said holding means, cam means mounted on said door and including an actuating member mounted on said door for bodily vertical movement relative thereto and adapted to be moved vertically by a vertically moving door machine part and a spring, said spring and cam means collectively forming a mechanism adapted to establish or eliminate a resilient force action between said locking member and door tending to move them apart, accordingly as said member is bodily moved in one vertical direction or the other.

2,234,576

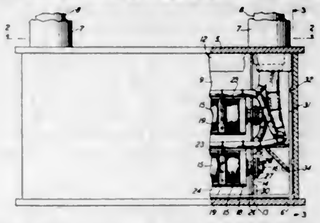
CASING FOR ELECTRICAL APPARATUS

John E. Ranges, East Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 27, 1939, Serial No. 296,821

6 Claims. (Cl. 178—46)

1. An electrical apparatus case comprising a metallic housing, a detachable cover therefor, a panel suspended from said cover, brackets attached to and spaced along opposite ends of said



panel, spindles supported between said brackets and electrical apparatus supported on said spindles.

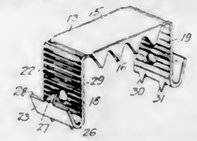
2,234,577

HANDLE LOOP

Daniel I. Reiter, New York, N. Y.

Application August 22, 1940, Serial No. 353,601

6 Claims. (Cl. 24—265)



4. A one-piece sheet metal fastener having parallel spaced side walls each having parallel spaced score lines therein providing different bending lines for the fastener, a front wall joining the side walls, prongs projecting from the front wall at substantially right angles thereto, and means on the side walls for holding a flexible covering sheet including a portion bent outwardly from the extremity of each side wall and providing a recess outwardly beyond the side wall and between the portion and the adjacent side wall, said portion terminating in a free edge provided with a prong, an end part of the sheet being securable by said prong in the recess, said side walls being bendable into a position substantially parallel to the front wall with the covering sheet as a unit.

2,234,578

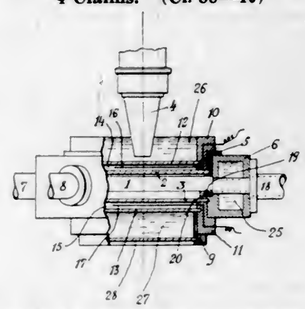
COOLING CHAMBER FOR MICROSCOPES

Hermann Riepert, Wetzlar, Germany, assignor, by mesne assignments, to Frank Dumur, Lausanne, Switzerland

Application June 21, 1939, Serial No. 280,257

In Germany June 30, 1938

4 Claims. (Cl. 88—40)



1. A cooling chamber for microscopes compris-

ing, a ring formed member having a glass top and a glass bottom forming a cooling chamber, means preventing the formation of a precipitate upon the outside of said glass top and bottom, said means comprising an open vessel having a glass bottom supported above said glass top and another vessel having a glass top and a glass bottom supported below said glass bottom, said vessels containing selected liquids for the purpose set forth, said cooling chamber being positioned in optical alinement with the microscope for observation through the glass bottom of said open vessel.

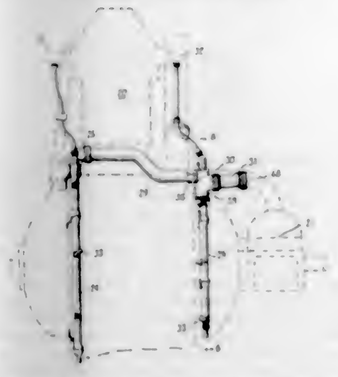
2,234,579

SHIELDED IGNITION MANIFOLD SYSTEM

Edwin A. Robertson, Sandusky, Ohio, assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application August 10, 1935, Serial No. 35,683. Divided and this application May 24, 1940, Serial No. 336,920

6 Claims. (Cl. 123—148)



1. A shielded ignition manifold system for internal combustion motors, comprising in combination, a plurality of disconnectible rigid tubular metal manifold trunk sections on each side of the motor, disconnectible flexible tubular metal-shielded branch sections leading from each rigid section to the ignition elements of the motor, and disconnectible flexible tubular metal-shielded trunk sections between said rigid trunk sections and the source of current supply.

2,234,580

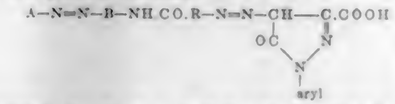
SUBSTANTIVE AZO DYESTUFFS

Hans Roos, Leverkusen I. G.-Werk, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application August 31, 1939, Serial No. 292,890. In Germany October 17, 1938

6 Claims. (Cl. 260—159)

1. As new products substantive azo dyestuffs of the general formula



wherein A—N=N— stands for the radical selected from the group consisting of diazo-mono-azo components of the benzene and naphthalene series, B and R stand for radicals of the benzene series, A, B and R being free from OH- and NH_2-groups.

2,234,581

HYDROCARBON COMPOSITION CONTAINING ORGANIC BORON COMPOUNDS

Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 30, 1937, Serial No. 166,621

8 Claims. (Cl. 252—51)

1. A lubricant comprising in combination a major proportion of a hydrocarbon oil and a minor proportion of an organic boron compound, said compound containing at least one carbon-boron bond.

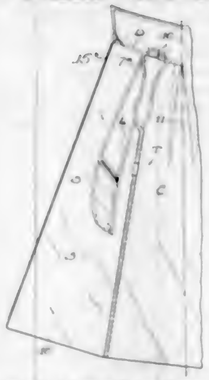
2,234,582

RAINCOAT AND HEAD COVERING

Winifred P. Schneider, Chicago, Ill.

Application July 21, 1937, Serial No. 154,689

3 Claims. (Cl. 2—87)



1. A raincoat adapted to form fit to varying sizes over street attire generally worn in different seasons and climates comprising a body covering portion, raglan type sleeves and a collar, the upper part of each of said sleeves having a portion extending to said collar, securing means for securing said sleeve portion to said collar located between said sleeve portion and collar and extending over the shoulder, and means for adjusting said collar and upper sleeve part located along the said securing means.

2,234,583

LETTER OPERATED PRINTING DEVICE

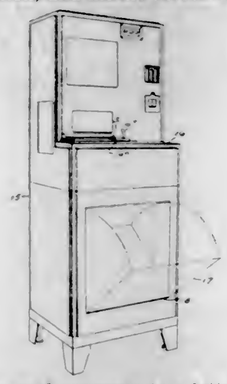
Linden A. Thatcher, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn., a corporation of Delaware

Original application December 2, 1937, Serial No. 177,671. Divided and this application July 11, 1939, Serial No. 283,766

7 Claims. (Cl. 101—235)

1. In a postage printing and mailing machine, a printing device, a casing enclosing said printing device and having an opening for the reception of letters, conveyor means arranged above and below the path of the letter, a drive for said printing device and conveyor means, a trip operable upon engagement of a letter therewith to effect the operation of said drive upon inserting a letter into the machine, means to move one conveyor means away from the other conveyor,

means to permit the insertion of a letter to a tripping position, and means associated with the



trip to return said conveyor to a letter engaging and driving position.

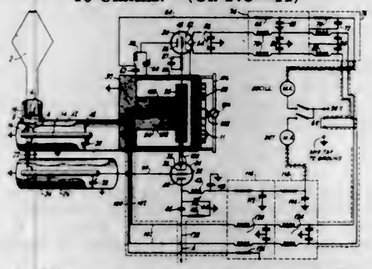
2,234,584

SHORT WAVE RECEPTION

Bertram Trevor and Ralph W. George, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Original application December 6, 1935, Serial No. 53,136. Divided and this application January 19, 1938, Serial No. 185,722

16 Claims. (Cl. 178—44)



5. A filter comprising a linear metallic conductor grounded at one end, a grounded metallic shield about said conductor, a variable condenser connected from the free end of said conductor to ground, a resistance connected in shunt to a portion of said conductor, a second linear conductor also grounded at one end, a grounded metallic shield about said second conductor, said second linear conductor cooperating with its shield to form a tuned circuit, and means for coupling said linear conductors together.

2,234,585

FILLING MACHINE

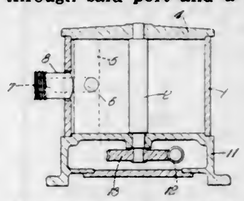
Edward Percival Wilson, London, England, assignor to Lancashire Dynamo & Crypto Limited. London, England

Application December 27, 1939, Serial No. 311,101

In Great Britain January 19, 1939

7 Claims. (Cl. 17—37)

1. A filling machine comprising a cylindrical container for the filling material, a stationary vane of wedge form secured within said container and having a port on at least one of its faces, a shaft mounted for oscillation within said container, a vane mounted on said shaft and adapted to sweep said container from one face to another of said stationary vane and to push the filling material through said port and a filling nozzle



disposed externally of the container in communication with said port for receiving the contents of the container.

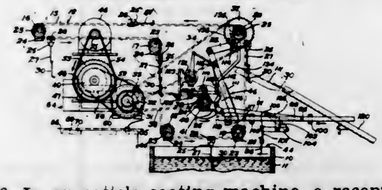
2,234,586

ARTICLE COATING MACHINE

Edward Bertalan, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 23, 1938, Serial No. 215,320

10 Claims. (Cl. 91—12.6)



6. In an article coating machine, a receptacle for fluid coating material, means for withdrawing an article immersed in the material through the surface thereof, means for operating said withdrawing means including an electric motor drive therefor, an operating circuit for said motor drive, and a continuously operated switch to control said operating circuit for effecting continuous operation of said motor drive at predetermined variable speeds and thereby the withdrawal of the article at such speeds.

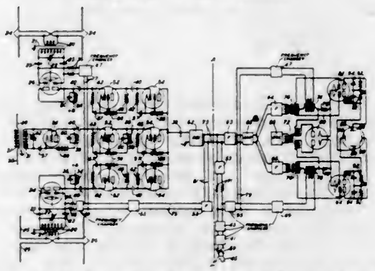
2,234,587

RADIO DIRECTION FINDING SYSTEM

Horace T. Budenbom, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 23, 1938, Serial No. 231,333

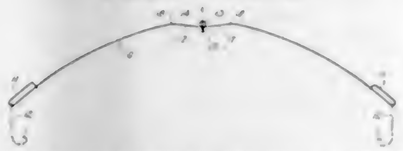
5 Claims. (Cl. 250—11)



2. In a radio direction finding system comprising a receiving station and an indicating station, said system being of the type in which two components of a radio wave are directionally received at the first said station and modulated by two different low frequency currents, respectively,

the low frequency currents being then detected and transmitted to said indicating station where they are separated and each is combined with a low frequency current of its respective frequency but having substantially the phase and amplitude of the corresponding low frequency current employed in the aforesaid modulating process, and the combinations thus formed are employed to provide an indication at said indicating station of the direction from which the radio wave approached the said receiving station; means at one of said stations for obtaining a third low frequency current and transmitting it to the other station, means at both said stations for obtaining from said third low frequency current, currents of said first-mentioned two different low frequencies, and means for adjusting said two currents so obtained to be substantially of like phase and amplitude, respectively, at both said stations.

2,234,588
FISHHOOK SPREADER
Harry A. Cope, Akron, Ohio
Application March 23, 1940, Serial No. 325,588
6 Claims. (Cl. 43—28)



1. A fishhook spreader comprising a generally arcuate structure formed of a single wire having its ends bent into eyes for the reception of hooks, an upstanding vertically disposed spring coil formed in the wire structure centrally thereof to which a fish line may be connected, the wire entering the coil from the bottom thereof so that the coil expands when the spreader is compressed by movement of its ends toward each other, and means for limiting the expansion of the coil upon compression of the spreader.

2,234,589
BATTERY CARRIER
Roy Dyer, Sprague, Wash.
Application April 3, 1940, Serial No. 327,726
5 Claims. (Cl. 294—103)



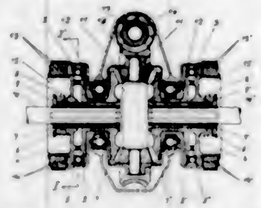
1. In a battery carrier, post engaging clamps each having upper and lower jaws formed with registering post receiving openings and being slidable longitudinally of each other into and out of position for gripping posts passing through the openings, a yoke tiltably carried by the lower jaw of each clamp and loosely passing through the upper jaw to engage the same and impart sliding movement thereto to shift the jaws to a gripping position when the yoke is tilted in one direction, and a handle extending between the clamps and connected with the yokes to impart tilting movement thereto and hold the jaws of the clamps in gripping position when the handle is grasped and drawn upwardly to lift a battery.

2,234,590
HEATING SYSTEM
Randolph Evans, Bronxville, and Theodore H. Joseph, Mamaroneck, N. Y., assignors to Monthly Small House Club, New York, N. Y., a corporation of New York
Application December 21, 1938, Serial No. 246,948
5 Claims. (Cl. 237—47)



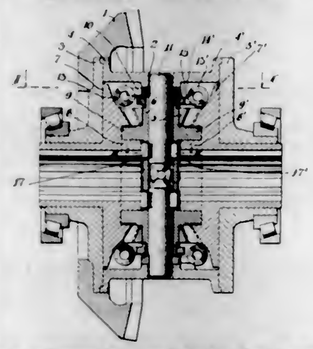
3. The combination with a one-story building having a plurality of rooms on the ground floor thereof, of a substantially unobstructed attic extending over substantially the entire ground floor and sealed to the exterior of the building, an air heating system for the building comprising an air heater located in the attic and having an inlet opening into the interior thereof, an air duct connected to the air outlet of the heater and extending along the attic, a plurality of air ducts branching individually from the air duct along the attic to the lower parts of the respective rooms, and a plurality of air ducts extending individually through the ceilings of the respective rooms into the interior of the attic whereby a path of circulation for the heated air is provided from the heater to the rooms to the sealed attic and to the heater from the attic for reheating and recirculation thereof, and a fan located in the attic and connected to the heater to maintain a lower air pressure in the interior of the attic than in the rooms whereby heated air is maintained in circulation in said path.

2,234,591
SELF-LOCKING DIFFERENTIAL MECHANISM
Ernst Fitzner, Stuttgart-Wangen, Germany, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application December 28, 1938, Serial No. 248,061
In Germany January 26, 1938
12 Claims. (Cl. 74—315)



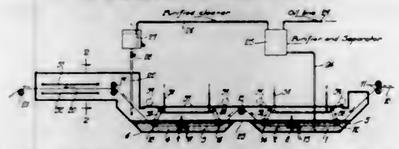
1. In a differential mechanism for power vehicles or the like, the combination of a ring member, two power delivery shafts, differential mechanism for delivering power from said ring member to said shaft, coupling means for coupling said ring member to said shafts, which coupling means is normally effective, and means actuated by the application of torque as between the ring member and one of said shafts serving to disengage the coupling between said shaft and said ring member.

2,234,592
SELF-LOCKING DIFFERENTIAL MECHANISM
Ernst Fitzner, Stuttgart-Wangen, Germany, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application November 16, 1939, Serial No. 304,665
In Germany November 17, 1938
12 Claims. (Cl. 74—315)



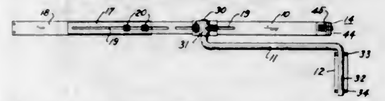
1. In a differential mechanism for power vehicles or the like, the combination of a power applying member, two power delivery members concentric therewith, differentiating mechanism for delivering power from said power applying member to said power delivery members mounted for movement relative to the power applying member, coupling means for coupling at least one of said power delivery members to said power applying member, means for making said coupling means normally effective, and means actuated by the application of torque as between the power applying member and the differentiating mechanism serving to disengage said coupling as an incident to relative movement between the power applying member and the differentiating mechanism.

2,234,593
METHOD AND APPARATUS FOR CLEANING METAL STRIP
John F. Ferm and Edward William Hopper, Midland, Pa., assignors to Pittsburgh Crucible Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1938, Serial No. 224,100
2 Claims. (Cl. 202—169)



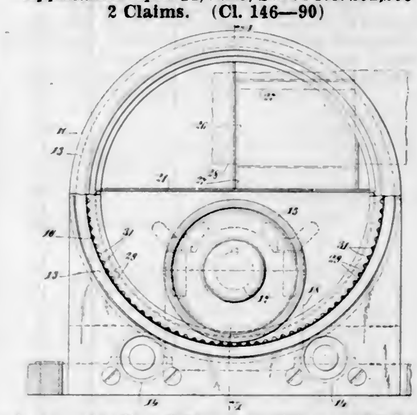
1. Apparatus for cleaning surface contaminated metal strip, which comprises: a plurality of baths containing cleaning liquid and disposed in sequence, feed-roll conveying means for feeding said strip longitudinally in one direction through said baths successively, means for establishing a flow of said liquid between said baths successively and in the direction opposite to that in which the strip is fed, means for cascading said flow between at least some of said baths, means for removing a portion of the highly contaminated liquid in the first bath of said sequence traversed by said strip, means for purifying the liquid so removed and for returning the purified liquid to the final bath of said sequence traversed by said strip, means for mechanically removing a portion of the cleaning liquid adhering to said strip upon emergence from said baths, means for evaporating to dryness the residual liquid retained on said strip, and means for condensing the evaporated liquid out of contact with said strip.

2,234,594
DRAPERY SUPPORT
Herman W. Gabel, San Francisco, Calif.
Application October 7, 1940, Serial No. 360,082
13 Claims. (Cl. 156—22)



1. A drapery support comprising, a rod supported at one end by a bracket for pivotal movement, a lug supported for pivotal movement at the free end of said rod, and a bar supported by said lug on a horizontal plane, said bar being tiltably adjustable in relation to said lug.

2,234,595
EXTRUDING DEVICE
Orville Gano, Burley, Idaho, assignor to Potato Corporation of Idaho, Garwood, N. J., a corporation of Idaho
Application April 11, 1938, Serial No. 201,266
2 Claims. (Cl. 146—90)

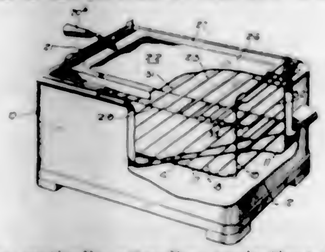


1. An extruding device comprising a cylindrical drum rotatable about its axis, a plurality of longitudinally extending, spaced, ribs having curved inwardly directed surfaces on the inner surface of the drum, means forming a plurality of apertures in the spaces between the ribs, each of the said apertures having a wide mouth portion converging to a narrow throat portion, and a pressure roller for pressing material through the said apertures.

2,234,596
COOKING APPLIANCE
Joseph R. Heilman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1938, Serial No. 243,282
5 Claims. (Cl. 53—5)

4. In a cooking appliance, the combination of

a receptacle having an open top, a removable shelf, a removable rack in said receptacle having shelf support portions disposed at different heights engaging cooperating portions of said shelf for supporting said shelf thereon, the cooperating portions of the shelf being adapted to slide horizontally on the shelf support portions, certain of the portions at each side of the rack



having vertically extending projections adapted to engage the cooperating portions to limit the horizontal movement of the shelf, the cooperating portions at one side of the shelf permitting sufficient horizontal movement of the shelf so that, when the opposite side of the shelf is raised to clear the vertical projections, said opposite side of the shelf may be swung vertically clear of the adjacent shelf support portions.

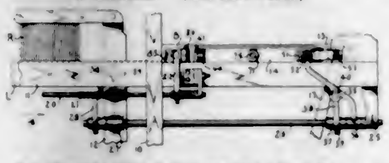
2,234,597

SHUTTLE CHECK FOR LOOMS

Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 19, 1940, Serial No. 330,549

9 Claims. (Cl. 139—185)



1. In shuttle checking mechanism for a loom having a lay and a shuttle box thereon to receive a shuttle which travels along the lay toward and enters the shuttle box, a binder mounted on the lay and forming one side of the shuttle box, and a closed soft and flexible rubber tube mounted on the binder and inclosing a volume of air and projecting into the path of the shuttle as the latter enters the shuttle box, the shuttle deforming the tube as said shuttle enters the box to increase the pressure of the air inclosed within the tube to cause the latter to offer resistance to movement of the shuttle into the shuttle box.

2,234,598

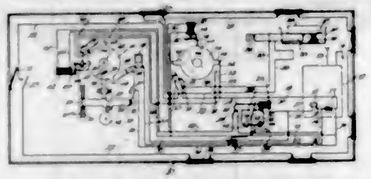
RADIO ALARM SYSTEM

James O. Howton, Freewater, Oreg., assignor to Howton Radio Alarm Company, Seattle, Wash.

Application June 7, 1938, Serial No. 212,381

7 Claims. (Cl. 177—314)

1. An alarm system comprising a day protective circuit, a night protective circuit, and alarm signal producing means, a transfer switch for placing said circuits alternatively in operative association with said signal producing means so that disturbance of the circuit so operatively associated and of that circuit only, will cause an alarm signal to be produced, a circuit across said night circuit for shorting the same so that disturbance thereof will not affect said signal producing means, a switch in the shorting circuit, and a common operator for controlling



movements of said switches, the arrangement being such that upon appropriate manipulation of said operator the transfer switch is moved from night to day position and then the shorting circuit switch is opened.

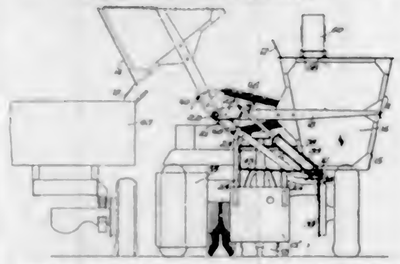
2,234,599

TRACTOR-MOUNTED RECEPTACLE

Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application August 3, 1938, Serial No. 222,740

11 Claims. (Cl. 214—77)



1. The combination with a tractor having a body, an extended axle and wheels at one end, and a truck at the other end, of a receptacle positioned at one side of the body and means swingingly mounting the receptacle on the tractor about an axis on the other side of the body.

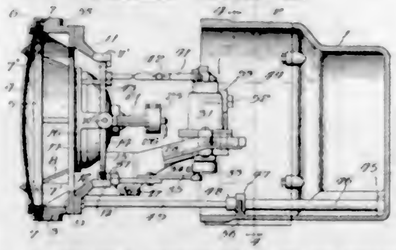
2,234,600

HEADLIGHT

Jeremiah D. Kennelly, Oak Park, Ill.

Application December 30, 1937, Serial No. 182,526

9 Claims. (Cl. 240—48)



1. A headlight constructed for projecting a generally horizontal beam comprising a casing open at one end, an annular member and means for removably securing the same at said open end, a reflector and means for pivotally supporting the same on said member for pivotal movement about

two axes at right angles to each other, a motor and connections therefrom to the reflector mounting means for oscillating the latter about its pivotal axis, and means carried by said member for supporting said motor within the casing rearwardly of said reflector, the main body of said reflector being positioned forwardly of its two axes of movement and connected to its pivotal support through its rim portion only.

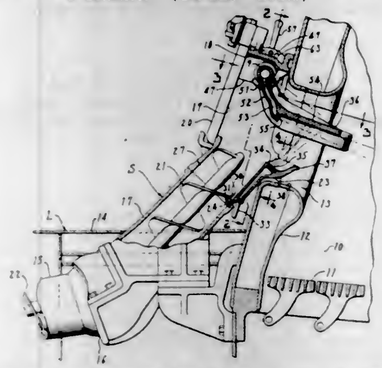
2,234,601

STOKER

William L. Lentz, Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application May 4, 1939, Serial No. 271,695

8 Claims. (Cl. 110—105.5)



1. A stoker for a firebox having an upstanding wall with a firing opening therein, said stoker comprising a fuel feed conduit communicating with said opening, fuel projecting means at the discharge end of said conduit, means for delivering fuel to said projecting means, a transverse wall disposed in said firing opening above said fuel projecting means, said projecting means being arranged to propel fuel in an upward and forward direction against the underside of said transverse wall, and means subjacent the rearward end of said transverse wall for emitting a blast of fluid under pressure forwardly across the underside of said transverse wall, said last named means being so disposed that the fluid under pressure issuing therefrom strikes the fuel only after projection thereof by said fuel projecting means.

2,234,602

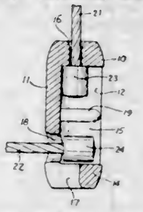
CONNECTOR

John David McIntosh, deceased, late of Simoon Sound, British Columbia, Canada, by Nellie Emmeline McIntosh, executrix, Simoon Sound, British Columbia, Canada

Application May 20, 1940, Serial No. 336,309

4 Claims. (Cl. 24—123)

2. A device for removably connecting two cable ends together comprising a link having a chamber formed therein opening outwardly at the front thereof, a back covering the rear of the link, said link having a bottom with an axial slot formed therein extending from substantially the centre thereof through the back of the link, said back having a circular opening therein communicating with the chamber and directly with the slot, and an enlarged cylindrical ferrule on the other cable end, said ferrule being slightly smaller than the diameter of the circular opening and longer than it is wide, whereby the ferrule may be inserted top first through the opening into the chamber and any strain on the cables



causes the second cable to swing into the axial slot with its ferrule resting on the bottom of the link.

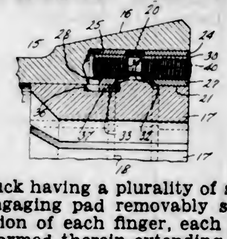
2,234,603

COLLET OR CHUCK

James R. O'Connell, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.

Application April 13, 1939, Serial No. 267,670

12 Claims. (Cl. 279—46)



1. A chuck having a plurality of spring fingers, a work engaging pad removably secured to the outer portion of each finger, each finger having a cavity formed therein extending lengthwise of said finger and terminating in the outer end of the finger, a pair of gripping members in said cavity having parts adapted to engage a pad for holding the same in operative relation to its finger, and means operable through said end of said cavity for moving said gripping members into and out of engagement with a pad.

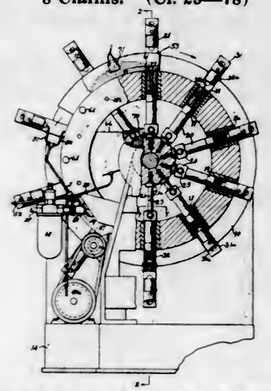
2,234,604

MOLDING APPARATUS

Lee H. Peck, Chagrin Falls, Ohio, assignor to Porcelain Products, Inc., Findlay, Ohio, a corporation of Delaware

Application June 3, 1937, Serial No. 146,134

8 Claims. (Cl. 25—78)



4. In molding apparatus of the class described,

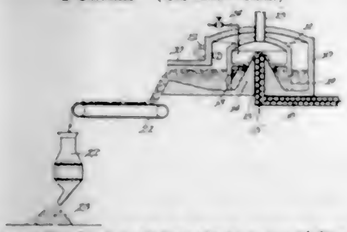
a mold open at opposite ends, an ejecting die adapted to close one end of said mold, a compressing die adapted to enter the other end of said mold, means including a cam track having a rigidly held compressing portion for moving said compressing die in a direction to compress loose material in said mold against said other die, means for moving both of said dies simultaneously at substantially the same speed in an opposite direction to eject said compressed material from said mold, and said last named means including said cam track controlling said compressing die, said track having a yielding portion located beyond the compressing portion thereof and yieldingly holding said compressing die during at least the first portion of said movement in said opposite direction.

2,234,605

METHOD AND APPARATUS FOR MAKING GLASS

William Stanley Rendall, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application November 13, 1936, Serial No. 110,736
1 Claim. (Cl. 106—36.1)



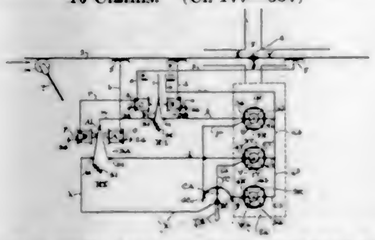
The method of making glass comprising mixing sand, sodium chloride and calcium carbonate, continuously feeding the mixture to a closed reaction zone of a furnace, reacting the mixture in an atmosphere of steam and at an elevated temperature while it is traveling as a thin film through said zone, forming a substantially completely reacted mass composed of sand, silicates of sodium and calcium and complex or polysilicates in molten or semi-molten state, continuously collecting the reacted mass as formed, and cooling the same to a frit capable of being converted to glass by heating.

2,234,606

RAILWAY PREFERENCE TRAFFIC SIGNAL CONTROL

Frank H. Richterkessing, Louisville, Ky., assignor to Nachod & United States Signal Company, Incorporated, Louisville, Ky., a corporation of Kentucky

Application December 19, 1927, Serial No. 241,114
10 Claims. (Cl. 177—337)



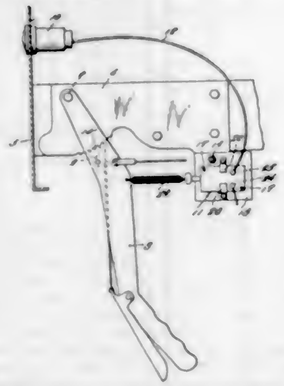
1 In a traffic signaling system arranged at the intersection of a main highway and crossroad for regulating traffic, the combination with a visual signal comprising a proceed indication, a caution indication and a stop indication for each thoroughfare, means for the routine display of said traffic indications to the said thoroughfares, trolley contactors to be engaged by a car in said highway approaching and clearing the intersection, means for divesting the first said means of its normal function and energizing the said caution indication for both highways when one trolley contactor is engaged, and means to divest the second said means of its function and energize the said proceed indication on the main highway and the said stop indication on the crossroad when a second trolley contactor is engaged, and means for restoring the routine display of the indications by the first said means when a third trolley contactor is engaged.

2,234,607

EMERGENCY BRAKE SIGNAL

John S. Riedmaier, Port Clinton, Ohio

Application November 3, 1939, Serial No. 302,768
1 Claim. (Cl. 200—59)



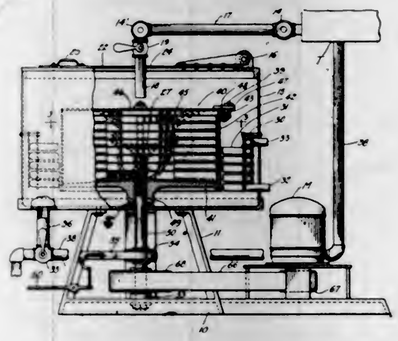
In a signal device of the class described, a housing having one side open, a cover member removably connected with the open side of the housing, said housing and cover member being formed of non-conducting material, a pair of spaced projections formed with the housing and located at the inner side walls thereof with said projections terminating short of the open end of the housing, an angle-shaped contact strip on each projection with a part of each strip engaging the inner side wall of a projection and another part engaging the top of the projection, the contacts projecting forwardly beyond the projections, bolts carried by the cover and pressing against the last-mentioned parts of the contacts, a bridge member for bridging the contacts by engaging the projecting parts thereof when moved to a certain position, a rod passing through one end of the housing and having its inner end connected with the bridge member, a projection on the rod, a spring on the rod between the projection and that end of the housing through which the rod passes for normally holding the rod in a position with the bridge member out of engagement with the contacts, a lever and a spring connecting the outer end of the rod with the lever for imparting movement to the rod when the lever is moved to cause the bridge member to engage the contacts.

2,234,608

ELECTROLYTIC DEVICE AND THE MANUFACTURE OF SAME

Preston Robinson, Williamstown, and Joseph L. Collins, South Boston, Mass., assignors to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts

Application November 24, 1934, Serial No. 754,668
26 Claims. (Cl. 175—315)



12. In the manufacture of dry electrolytic condensers, the process which comprises, disposing in a rotatable cylindrical tank batches of assembled condenser sections radially in a plurality of horizontal planes, partly filling said tank with an electrolyte having a viscosity greater than 1 at a temperature of about 100° C., heating said tank to a temperature of about 100° C., subjecting said tank to rotation to submerge in the electrolyte all of the sections and to exert a centripetal force of sufficient magnitude to cause a through impregnation of the sections in a time interval of less than five minutes.

22. A device for impregnating porous articles comprising a tank, an impregnating compound therein, means for placing articles to be impregnated in said tank adjacent the outer walls thereof and to maintain the articles immersed in said compound at all rotational speeds of the tank, means for rotating said tank to force said compound into the interstices of said articles by the action of centrifugal pressure, and partition means to hold said articles in the same position relative to the axis of rotation during rotation of said tank.

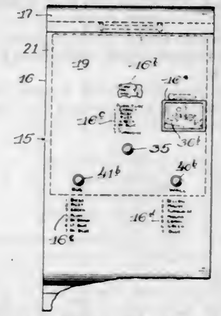
2,234,609

DEVICE FOR HARMONIZING COLORS

Donald E. Rowe, Aurora, Ill., assignor to Kroehler Mfg. Co., Naperville, Ill., a corporation of Illinois

Application September 25, 1939, Serial No. 296,377
11 Claims. (Cl. 35—53)

1. In a device for harmonizing colors, a casing provided with a view opening, a plurality of movable members, including a basic member and one or more supplemental members, disposed in succession back of said view opening, each provided with spaced features adapted to be brought to register with said view opening and being independently movable to that end, each feature of said basic member being a transparency with a substantially opaque pictorial representation in perspective, each feature of the next succeeding supplemental member being a representation in perspective co-related to and adapted to be seen through the non-opaque part of the basic member, and means for moving each movable member to bring one of its features to register with said view opening.

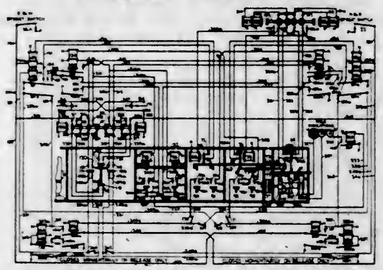


2,234,610

TRAFFIC SIGNAL WITH ELECTRIC CONTROL

Thomas Tone, Gilman, Iowa, assignor to Nachod & United States Signal Co., Incorporated, Louisville, Ky., a corporation of Kentucky

Continuation of application Serial No. 207,172, July 20, 1927. This application January 7, 1937, Serial No. 119,536
77 Claims. (Cl. 177—337)



1. A traffic signal device having, in combination, a signal adapted to be disposed at the intersection of two thoroughfares, one of said thoroughfares having a car track thereon, said signal having traffic-directing means thereon adapted alternately to be displayed to permit traffic to proceed on one thoroughfare and to restrain traffic on the other thoroughfare; a vehicle-operated device in each thoroughfare; means, actuated by operation of each of said devices, to set said signal to permit traffic to proceed on its respective thoroughfare; means, disposed in a car operating on said tracks, adapted to be operated by the operator of said car; and means, actuated by operation of the last mentioned means, to change said signal to permit traffic to proceed on either of said thoroughfares.

2,234,611

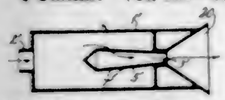
COMPOSITE PRODUCT AND METHOD OF MAKING THE SAME

Harlan L. Trumbull, Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 12, 1937, Serial No. 120,292
5 Claims. (Cl. 154—2)

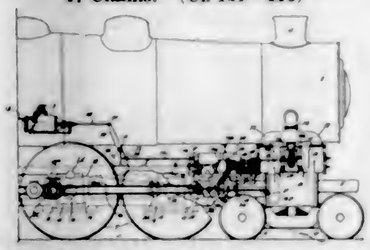
1. The method of making a composite product which comprises chlorinating the surface of rubber and adhering plasticized gamma polyvinyl chloride directly thereto.

2,234,612
SILENCER FOR INTERNAL COMBUSTION ENGINES
Wilhelm Petersen Wold, Oslo, Norway, assignor to Wilhelm Petersen Wold and Adolf Eger, both of Oslo, Norway
Application August 4, 1938, Serial No. 223,130
In Denmark February 23, 1938
6 Claims. (Cl. 181—55)



1. A silencer for combustion engines, comprising a casing forming a chamber, means for introducing engine exhaust gases through one end of the casing into the chamber, a gas conducting conduit in and extending longitudinally of the casing, and having an inner and terminating within the casing and tapering from such end to the other end and having the reduced end extending through a wall of the casing to the exterior thereof to form a gas discharge port, the inner end of the conduit being closed and directed toward the said inlet means and said conduit having apertures formed in the wall thereof in that portion lying within the chamber.

2,234,613
ENGINE VALVE GEAR
William E. Woodard, Forest Hills, N. Y.
Application February 17, 1939, Serial No. 256,874
47 Claims. (Cl. 121—116)

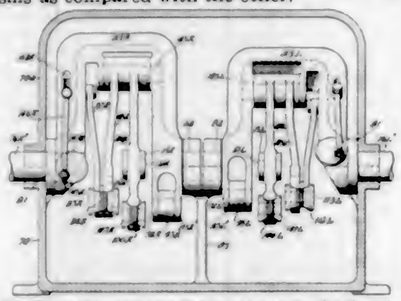


1. In a locomotive engine having a cylinder with piston therein, admission valve means and exhaust valve means, adjustable mechanisms for varying and reversing the timing of said two valve means, respectively, with relation to piston movements, and controllable adjustment means adapted to move said mechanisms through predetermined adjustment ranges, including means for positively setting one of said mechanisms at any of a series of positions within its range bearing predetermined relations to a differing series of adjusted positions of the other mechanism within its range.

41. In a locomotive, having cylinders, valves, valve gear and engineman's control means for adjusting and reversing the operation of said valves through said valve gear, means associated with the cylinders operative to facilitate drifting of the locomotive, and means positively inter-relating operations of the control means and drifting means.

2,234,614
VALVE MOTION MECHANISM FOR FLUID PRESSURE ENGINES
William E. Woodard, Forest Hills, N. Y.
Application July 5, 1938, Serial No. 217,360
23 Claims. (Cl. 121—116)

1. In a distribution valve gear for locomotive engines or the like having for each cylinder separately acting admission and exhaust valve means, a combining lever, apparatus for actuating the same from a plurality of moving parts of the engine, mechanism for delivering motion from the combining lever to the admission valve means, other mechanism for delivering motion from said combining lever to the exhaust valve means, and means for controllably altering the motion taken from the combining lever to one of said mechanisms as compared with the other.

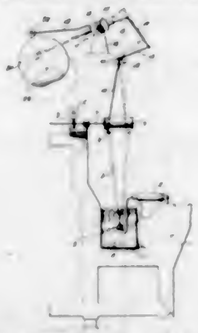


21. In an engine valve gear, a combining lever embodying an admission valve actuating member and an exhaust valve actuating member, and means for adjusting the effective length of one of said members.

2,234,615
PLASTICIZER
Claude H. Alexander, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application January 27, 1938, Serial No. 187,223
10 Claims. (Cl. 260—36)

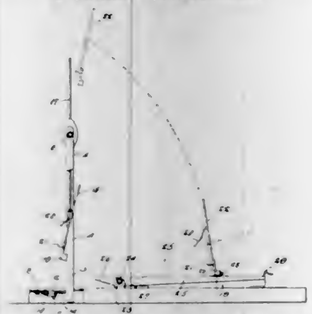
1. A polyvinyl halide composition containing a member of the class consisting of esters, and ethers containing a tetrahydrofurfuryl group attached directly to the determining group.

2,234,616
APPARATUS FOR THE MANUFACTURE OF ARTIFICIAL SILK
Willem Bakker, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application October 15, 1937, Serial No. 169,317
In Germany October 30, 1936
4 Claims. (Cl. 242—43)



1. A winding mechanism for artificial silk thread and the like comprising a bobbin, means for operating the bobbin at variable speed, a thread guide arranged adjacent the bobbin, means for effecting an oscillatory movement of the thread guide along the axis of the bobbin, means for gradually reducing the stroke of said oscillatory movement including a box mounted for oscillation about an axis, said thread guide oscillating means being also operable to oscillate said box, linkage connected to the thread guide having a slidable rod connected to its other end and said rod being oscillatable with said box about the same axis as the box, a cam member mounted within the box for longitudinal movement along the axis of oscillation thereof, means on said slidable rod coacting with the cam member and movable transversely with respect to the box, said means acting to vary the distance between the connection of said linkage to said rod and the axis of oscillation of said rod according to the length of stroke desired to be imparted to the thread guide, and means for moving said cam member longitudinally with respect to the box, said means being associated with the bobbin operating means whereby variation in the speed of rotation of the bobbin and variation in the length of stroke of the thread guide may be effected simultaneously.

2,234,617
TOY
John D. Beck, Marshall E. Powell, and James E. Hagood, Montgomery, Ala.
Application May 24, 1939, Serial No. 275,546
1 Claim. (Cl. 46—145)



In a support for a toy trapeze, a base, a frame, means for mounting the frame on the base for folding movement, intermediate its ends, an operating member mounted for right line sliding movement on the base, latch fingers on the operating member and engaged terminally with the lower portions with the frame, to hold the frame upright, the fingers having inclined side edges wherewith the lower portions of the frame cooperate, as the frame is erected, thereby to move the operating member longitudinally and permit the lower portions of the frame to engage positively with the ends of the fingers, and spring means assembled with the base and with the operating member to hold the ends of the fingers engaged with the lower parts of the frame when the frame is erected, and to hold the lower portions of the frame in cooperation with the inclined edges, when the frame is folded.

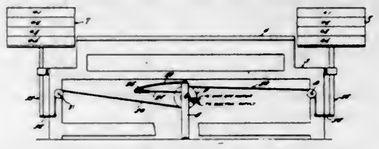
2,234,618
COMBINATION HOLDER
Jacob Armin Bender, North Bergen, N. J.
Application March 30, 1939, Serial No. 264,963
1 Claim. (Cl. 30—339)

In a device of the character described, the combination of a tubular casing and a tool, said tubular casing produced of a single strand of wire and adapted for engaging with said tool, said tool having an opening, said tubular casing having a movable hook at one end projecting



through said opening of said tool, said movable hook of said tubular casing adapted for retaining said tool under tension in any position permitting adjustment for locking and holding said tool in its selected position.

2,234,619
LOOM
Clarence M. Bishop, Charlottesville, Va.
Application May 22, 1940, Serial No. 336,623
1 Claim. (Cl. 139—336)

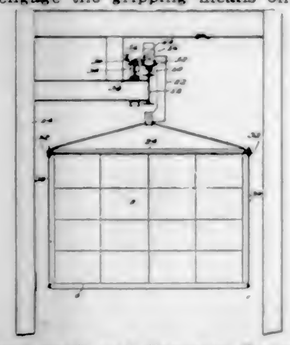


In a loom control mechanism of the class wherein the loom includes at each end of the shuttle race a shifting shuttle box structure having a plurality of shuttle cells and both structures being shiftable up and down at intervals to position individual shuttle cells in line with the shuttle race and the shuttle box structures being shiftable synchronously and in unison, and an electrically operated stop motion, the combination with said shuttle box structures and the stop motion of an electric switch mechanism including a pair of rotatably mounted drums and contacts secured thereto and normally separated during non-relative rotation of the drums and engageable with each other on relative rotation of said drums, means connecting one of said drums to one of the shuttle box structures, means for connecting the other drum to the other shuttle box structure, and an electric connection means between said contacts and the electrically operated stop motion.

2,234,620
CONVEYER
Richard M. Botley, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii
Application August 5, 1938, Serial No. 223,233
10 Claims. (Cl. 104—193)

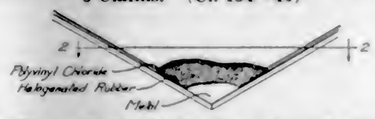
1. In a conveyer system, a plurality of trucks adapted for movement along a support, power means for moving said trucks along said support, gripping means for attaching said trucks to said power means, said trucks being provided with release means which, when the trucks approach

within a predetermined distance from each other, engage the gripping means on the next



succeeding truck and disengage the same from operative engagement with the power means.

2,234,621
METHOD OF MAKING A COMPOSITE ARTICLE
Samuel L. Brous, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 24, 1936, Serial No. 112,509
3 Claims. (Cl. 154—40)



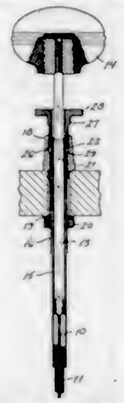
1. The method of adhering polyvinyl chloride to metal which comprises covering the metal with at least one coat of chlorinated rubber cement, prepared from chlorinated rubber containing in the neighborhood of 65% of chlorine, and superposing at least one coat of a solution of polyvinyl chloride.

2,234,622
CONTROL FOR LOOM TRANSFER MECHANISM
Albert Cederlund, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 30, 1939, Serial No. 301,925
5 Claims. (Cl. 139—230)



1. In a weft replenishing loom having a rocking magazine which swings to either of two predetermined positions to place one or the other of two different reserve weft supplies in position for transfer and having a latch movable from normal to transfer position preparatory to a transferring operation of the loom, that improvement which comprises a lever to engage the magazine and controlled thereby to assume two extreme positions corresponding to the predetermined positions of the magazine, a fixed pivot for the lever adacent one end of the latter, and a stop shelf on the latch adjacent the other end of the lever and lying between the extreme positions of said other end of the lever, said other end of the lever lying in the path of the stop shelf when the magazine is in an intermediate position between said predetermined positions to engage the stop shelf and prevent the transferrer latch from moving to transfer position.

2,234,623
CONTROL DEVICE
Oliver P. Crouse, Mansfield, Ohio, assignor to The Richland Auto Parts Company Inc., Mansfield, Ohio, a corporation of Ohio
Application June 21, 1939, Serial No. 280,290
5 Claims. (Cl. 74—502)

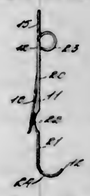


1. In a control device, the combination of a tubular support having a plurality of resilient projections with beveled outer faces adjacent one end thereof and an angular shaped bore, a control rod having flat faces and being longitudinally movable in said bore but non-rotative relative thereto, a socket element movable with respect to and having a bore which loosely receives said rod and a beveled portion, the beveled portion of said socket element being adapted to engage the beveled portion of the resilient projections and force them radially inwardly against the sides of said rod to restrict or prevent longitudinal movement of said rod with respect to said support when said socket element is moved in one direction upon said control rod.

2,234,624
FASTENER OR CLOTHESPIN
William H. Davis, Miami, Fla.
Application October 2, 1939, Serial No. 297,618
1 Claim. (Cl. 24—137)

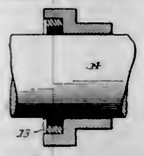
A fastener or clothespin and the like consisting of a strip of metal having a body and pair of tongues extending in opposite directions, said pin having a rearwardly and upwardly curved finger engageable bend at its lower end, said pin having a substantially circular and rearwardly

disposed line engaging loop at its upper end, one of said tongues extending from said body upwardly above said loop and providing means engageable by a finger to slide the pin along the



engaged line, the other of said tongue being inclined forwardly of the body and the body having forwardly projecting bends at opposite sides of the last mentioned tongue.

2,234,625
OIL SEAL
Lloyd H. Diehl, George T. Balfe, and Harry B. Denman, Detroit, Mich., assignors to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan
Application July 6, 1937, Serial No. 152,220
2 Claims. (Cl. 288—8)



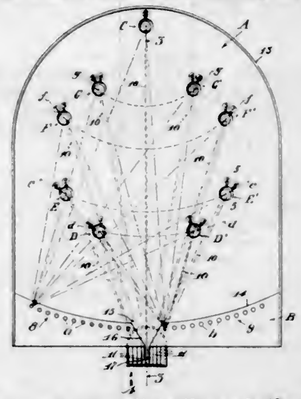
2. A sealing ring having concentric ring portions integrally united, the inner ring portion being hard, forming a bearing layer comprising an oil resistant synthetic rubber for contact with a shaft, and an outer ring portion being relatively more compressible and resilient and adapted to be inserted in a housing of slightly smaller diameter without substantially reducing the diameter of the inner ring portion but due to its greater resilience, acting to hold the inner ring portion in sealing contact with the shaft, said outer ring portion comprising rubber.

2,234,626
MANUFACTURE OF VISCOSE SOLUTIONS
Hendrik L. Bredee, Breda, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application November 8, 1938, Serial No. 239,550. In Germany December 9, 1937
10 Claims. (Cl. 260—217)

1. Incident to the manufacture of viscose threads, films and the like, the steps which consist in adding a solution of a resin soap to a viscose solution derived from a highly purified sulphite cellulose, and mixing a small quantity of an oil delusterant therewith, whereby an extremely fine dispersion is effected.

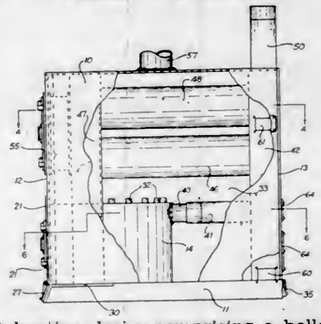
2,234,627
GAME
Harold R. Eyer, Long Beach, Calif.
Application November 3, 1939, Serial No. 302,739
2 Claims. (Cl. 273—122)

1. In a game, a field, a base line at one end of said field, a pocket remote from said base line, a group of pockets on said field interposed between said base line and said pocket, a series of troughs adjacent said base line, and a ball return runway leading from each of said pockets to one of said troughs whereby balls played into said pockets will be segregated in said troughs, an upstanding wall extending across said field at the forward margin of said base line and having an opening



therethrough intermediate the ends thereof, said field sloping downwardly both longitudinally and transversely towards the opening in the wall, and a ball receiving trough carried by and extending outwardly from the lower end of the field in registration with the opening in said wall whereby balls not entering said pockets will gravitate through said opening into the last named trough.

2,234,628
HEATING DEVICE
Morton Lincoln Dunham, Vancouver, British Columbia, Canada
Application April 3, 1939, Serial No. 265,853
2 Claims. (Cl. 126—109)



1. A heating device comprising a hollow base, a casing mounted on the base forming a secondary heating chamber, a casing forming a relatively small primary heating chamber mounted on the base within the secondary chamber, a sleeve forming a fire pot and ash pit extending downwardly from the primary chamber through an opening in the top of the base to the bottom thereof, said sleeve and the casing having corresponding openings connected by a passage, a damper door closing said passage, a plurality of vertical tubes extending through the primary chamber and communicating with the secondary chamber at one end and with the interior of the base at the other end, said base having an

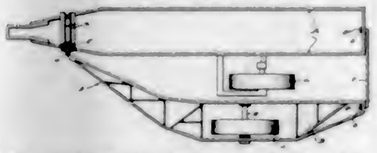
opening in a wall thereof through which air may enter therein, and a tortuous passage in the secondary chamber for conducting therethrough the hot exhaust gases from the primary chamber, whereby air preheated in the base passes through the tubes into the secondary chamber to receive a substantial portion of the heat generated in the device.

2,234,629

OSCILLATING HINGE ATTACHMENT FOR CONNECTING BIN FRAMES TO COMBINES

Harold H. Freeman, Ririe, Idaho

Application October 18, 1939, Serial No. 300,055
3 Claims. (Cl. 56—122)



3. In combination with a combine, a bin carrying frame, a wheel connected with the frame adjacent the center thereof for supporting the frame and the bin, said frame having a front part extending toward the combine and terminating in a part arranged at substantially right angles to the length of the frame, means for pivotally connecting said part to the combine movement about a horizontal axis which extends longitudinally with respect to the length of the combine, a rear bar, means connecting one end of the bar to the rear end of the combine for movement about a horizontal longitudinally extending axis, means connecting the other end of the bar to the rear end of the frame for movement about a horizontal longitudinally extending axis, a top bar connecting an upper portion of the frame to a part of the combine, said top bar being connected to each of the frame and the combine by horizontal longitudinally extending pivots.

2,234,630

BATTERY TERMINAL CLAMP

Lynn Fullington, Anderson, Ind., assignor of one-fourth to Joseph W. Campbell, Anderson, Ind.

Application June 12, 1939, Serial No. 278,785
1 Claim. (Cl. 173—259)



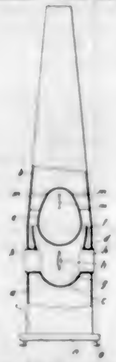
In a battery terminal clamp, a pair of terminal clamping members of annular form, respectively, loosely fitting over said terminal in superposed relation and relatively rotatable about said terminal, said members having flat engaging faces provided with sharp circular inner edges, whereby said edges are arranged to bite into said terminal in a substantially common plane, a sleeve extending laterally from one member for receiving an electric lead therein, and a finger-piece extending laterally from the other member, said sleeve and finger-piece providing manipulative means for rotating said members, and said members having tapering outer circumferential faces, and said sleeve and finger-piece having undercut inner ends fitting over said faces of the members, respectively, to prevent axial separation of the members, said outer faces of the members being eccentric to the inner edges whereby under rotation thereof said members are cammed inwardly by said undercut ends to cause said inner edges to bite into said terminals.

2,234,631

APPARATUS FOR PRODUCING FOAM FOR EXTINGUISHING FIRES

Ernst Göhre, Dortmund, Germany, assignor to Concordia Elektrizitäts - Aktiengesellschaft, Dortmund, Germany, a joint stock company of Germany

Application January 30, 1939, Serial No. 253,497
In Germany November 9, 1938
6 Claims. (Cl. 261—76)



1. An apparatus for producing foam from a liquid and a gaseous fluid, comprising a substantially rectilinear tubular body having an intake end constructed for connection with a supply of liquid under pressure and a delivery end, a cup shaped member disposed concentrically within said tubular body and forming an annular passage therewith which is open at the side of said delivery end, a member disposed concentrically within said cup shaped member to form an annular passage therewith, which passage is open near the open end of said passage provided by said tubular body and said cup shaped member, said cup shaped member and said member disposed concentrically within the same having their walls gradually reduced in cross-section from the said delivery end towards the intake end of said tubular body and to points near the axis of said tubular body, and a tubular member for connecting said annular passage provided by said cup shaped member and said member disposed concentrically within the same with a supply of a gaseous fluid.

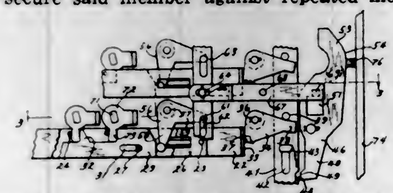
2,234,632

VOTING MACHINE

Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware

Application February 4, 1939, Serial No. 254,654
5 Claims. (Cl. 235—54)

5. In a voting machine having levers connected by bars with party rows of candidate indicators, a mechanism for controlling operation of said levers comprising a reciprocable member, bell cranks operatively connected with and adapted to transmit movement of any of said bars to said member, releasable latch means operable to secure said member in one reciprocated position, means operatively connecting each of said bars with said latch means, said latch means being releasable by movement of any one of said bars for engagement with said member, whereby to secure said member against repeated move-



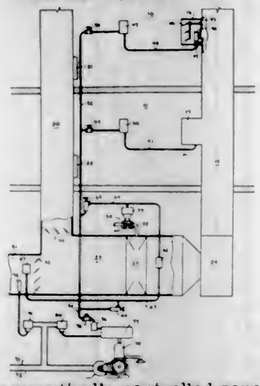
ment through said bell cranks by another of said bars.

2,234,633

AIR CONDITIONING SYSTEM

Anthony J. Hoppe, Detroit, Mich., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 19, 1940, Serial No. 330,539
7 Claims. (Cl. 236—1)



2. In a pneumatically controlled zone air conditioning system, in combination, a plurality of zones to be heated and ventilated, a chamber, duct means connecting said chamber and each of said zones, a fan for forcing air from said chamber to said zones through said duct means, a fresh air duct for admitting outdoor air to said chamber, air heating means in said chamber, a volume damper for controlling the flow of air from said duct means to one of said zones, a pneumatic damper motor for positioning said damper, said damper motor being of the type adapted to open said damper on minimum control air pressure, a zone thermostat for determining the control air pressure in said damper motor, a control air supply line for said damper motor and said thermostat, an air compressor for supplying control air under pressure to said control air supply line, and thermostatic means influenced by a temperature which varies with the demand for heat in said zones for reducing the control air pressure to thereby open said volume damper independently of the zone thermostat when heat is not required in said zone to thereby provide ventilation for said zone.

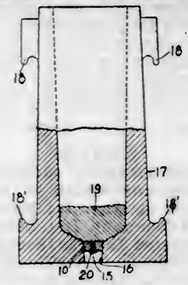
2,234,634

MOLD PLUG

Edwin L. Ramsey and Leslie G. Graper, Chicago, Ill.

Application January 13, 1940, Serial No. 313,762
2 Claims. (Cl. 22—148)

1. In an ingot mold having an open top from which the ingots are removed and inwardly sloping inside walls terminated at their converging ends in a substantially closed end having a bore therethrough decreasing in cross-section from the inside end towards the outside end, and in combination therewith a mold plug fitted in



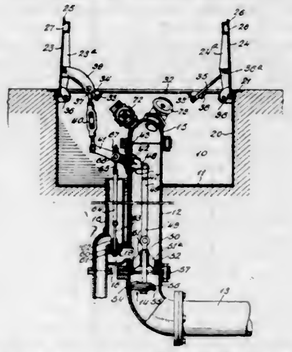
said bore, said plug being provided with a conduit for receiving molten metal when the ingot is poured, said conduit having a portion of larger cross-sectional area than its inlet end whereby the solidification of the metal secures the plug to the ingot for removal therewith.

2,234,635

FLUSH TYPE FIRE HYDRANT

Carlyle H. Scott, Forest Hills, Long Island, and Paul H. Scott, Flushing, N. Y., assignors to Flush Hydrant Corp., Corona, Long Island, N. Y., a corporation of New York

Application August 8, 1939, Serial No. 288,924
11 Claims. (Cl. 137—13)



1. A fire hydrant comprising a box sunk below the street level, at least one hinged cover section for said box, said cover section being substantially flush with the sidewalk, a vertical barrel having a bonnet provided with outlet valves positioned within said box and a valve at its lower end below the frost level and adapted to close the entrance to said barrel, said lower end being connected to a water main, a rock shaft pivotally mounted in the upper end of said barrel, said mounting being watertight, an arm fixedly mounted on said rock shaft, a linkage connecting said arm and said valve whereby said valve may be opened or closed, a second arm fixedly mounted on said rock shaft, and means connecting said arm and said cover section, whereby when said cover section is moved it will move the rock shaft and thereby move said valve, a drain connecting said box with a sewer, a by-pass connecting the lower end of said barrel

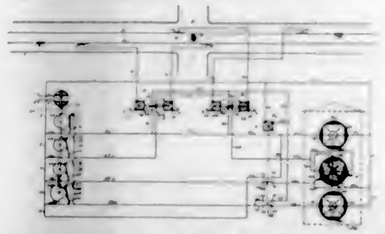
with the drain, a valve adapted to close or open said by-pass, and a connection between said second arm and said by-pass valve, said connection permitting a predetermined limited movement of the second arm without operating the valve, whereby on moving said arm by means of the cover to close said valve in the barrel, said by-pass valve will first open, and a predetermined time thereafter the barrel valve will close, while when said cover is moved to open the barrel valve, said by-pass valve will close a predetermined time after said barrel valve has begun to open.

2,234,636

CONTROL FOR TRAFFIC SIGNAL SYSTEMS

Samuel S. Stolp and Frank H. Richterkessing, Louisville, Ky., assignors to Nachod & United States Signal Company, Inc., Louisville, Ky.

Application August 25, 1928, Serial No. 302,020
17 Claims. (Cl. 177—337)



1. In a traffic control system which comprises a plurality of signal stations each station including a right of way indicating device and a constantly operating device therefor for normally cyclically shifting right of way from one thoroughfare to the other in synchronism with the operation of the remaining signal stations of the system; one of said signal stations including an electrically operated right of way indicating device for the main and cross thoroughfares at said station, a controller means driven by the constantly operating device at the signal station, circuit connections between said controller and the right of way indicating device; a traffic responsive means for said main thoroughfare having one condition of operation when traffic on said thoroughfare is approaching said intersection and is within a certain distance thereof, and a second condition of operation for all other positions of traffic on said thoroughfare with respect to said intersection, and relay means controlled jointly by the traffic responsive means and the controller means, and having contacts interposed in said circuits between said right of way indicating device and said controller for interrupting the normal cyclic display of the right of way indicating device and for constantly displaying right of way to said main thoroughfare when said traffic responsive means is in said first condition of operation and for restoring the cyclic control by the controller means when in said second condition.

2,234,637

OIL PROSPECTING METHOD

Millard S. Taggart, Jr., Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 22, 1939, Serial No. 285,964
1 Claim. (Cl. 23—230)

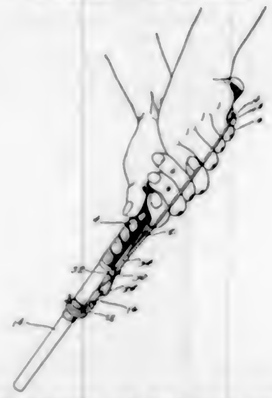
A method for prospecting for subterranean petroleum deposits which comprises inoculating soil samples with hydrocarbon consuming bacteria, planting these samples at spaced intervals in the area under investigation, allowing the planted samples to remain in place a sufficient period to permit propagation of the bacteria by naturally occurring hydrocarbons, then collecting the soil samples and examining them for evidence of further reaction between the originally contained bacteria and hydrocarbons.

2,234,638

ATTACHMENT FOR GOLF CLUBS

John A. Topping, Bronxville, N. Y.

Application February 15, 1938, Serial No. 190,656
8 Claims. (Cl. 273—81)



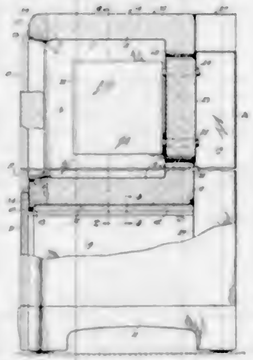
1. An attachment for golf clubs comprising a sling having a loop of sufficient size to embrace both hands of the player when the hands are placed on the club grip in the usual manner, and means for so connecting said sling to the club shaft at a point on said shaft below the hands that said sling may freely swing bodily about a point in said connection.

2,234,639

REFRIGERATOR

Hugh Wallace, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application April 8, 1937, Serial No. 135,628
10 Claims. (Cl. 220—9)



1. A refrigerator including a shell having a top, lateral side walls, a front, and a rear closure

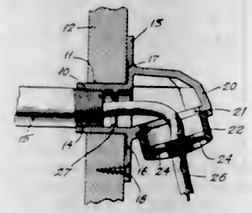
member straddling the lateral side walls and the top, a bottom plate having a depressed peripheral edge portion and a flange extending downward from the edge of the depressed portion, means providing a substantially horizontal groove about the interior of the shell to receive the flange of the bottom plate and support the latter in position, the relative proportion of the flange and the groove providing means being such that the groove is wider than the space taken up by the flange to facilitate the insertion of the flange into the groove and also to provide a pocket facing the outer surface of the flange which is open above the bottom plate, the open pocket facing the outer surface of the flange facilitating the introduction of a sealing compound into the groove and the depressed peripheral edge portion from above the bottom plate.

2,234,640

SERVICE FITTING

Merritt B. Austin, Jr., Winnetka, Ill., assignor to The M. B. Austin Company, Chicago, Ill., a corporation of Illinois

Application October 2, 1939, Serial No. 297,443
3 Claims. (Cl. 174—79)



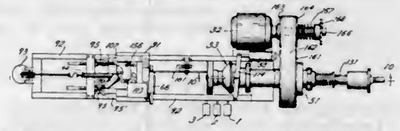
2. A service entrance fitting to be applied over a rough-cut hole in the wall of a building to be serviced, comprising a tubular neck portion adapted to extend horizontally into and through said hole in the wall, said neck portion having at one end an internally threaded bore to receive and support the threaded end of an electric conduit through which service wires are led to the wiring system of the building; and a face plate portion integral with and surrounding the other end of the tubular neck portion, said face plate having a rear surface lying in a plane substantially perpendicular to the axis of the neck and a protecting hood projecting from its front surface and overlying the end of the tubular neck portion, said hood having an apertured closure member through which the wires may pass into the fitting, the portion of the face plate extending beyond the hood constituting an annular flange for the fitting of substantially larger outside diameter than the diameter of the neck portion so as to conceal and cover said rough-cut hole, the rear surface of the face plate having a cavity closely circumscribing the neck portion where it joins the face plate portion for retaining a quantity of sealing compound used with the face plate to close the joint between the fitting and the wall of the building, said annular flange having screw-receiving means whereby the fitting may be secured to the building, with the neck portion extending through the hole, and drawn into engagement with the exterior of the wall to cause the sealing compound to be squeezed into engagement with the wall and into the hole around the neck to seal the joint around the hole.

2,234,641

BRUSHMAKING MACHINERY

John G. Baumgartner, Aurora, Ill., assignor to National Brush Company, Aurora, Ill., a corporation of Illinois

Application April 30, 1938, Serial No. 205,187
28 Claims. (Cl. 300—2)



1. Brush twisting apparatus for making a double-twisted wire brush in one automatic operation including a pair of opposed holding units each including two normally spaced pairs of jaws adapted to engage the wires of a brush, means for rotating the jaws in one of said units to twist the wires, and the jaws of one of the units being movable under tension longitudinally of the wires to permit the tensioned construction thereof as they are twisted, means for causing all of said jaws to originally engage the wires whereby the portion of the wires between the units will be twisted independently of the remaining portion of the wires, means for causing only the end jaws to engage the wires whereby the portions between the jaws within the units will be twisted, and means for applying tension to the wires as they are twisted, the spaced pairs of jaws of one of said units moving relatively toward one another under the influence of said tension when the end jaws only grip the wires to permit foreshortening of the wire originally between said pairs of jaws as it is twisted.

2,234,642

CEMENT-BITUMEN GROUT

John Frederick Thomas Blott and John Alfred Rawlinson, London, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 29, 1939, Serial No. 270,904. In Great Britain May 14, 1938
8 Claims. (Cl. 106—31)

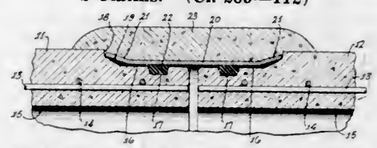
1. In the process of preparing a stable bitumen-in-water dispersion wherein bitumen and an aqueous emulsifier solution are mixed at an elevated temperature and are stabilized with casein, the improvement comprising adding formaldehyde to said dispersion while hot, maintaining the resulting mixture at the elevated temperature for a period sufficiently long to react the formaldehyde with the casein, and thereafter incorporating into the resulting dispersion an alkali carbonate.

2,234,643

PIPE JOINT FOR CONCRETE PIPE

Floyd N. Grant, South Gate, Calif., assignor to American Concrete and Steel Pipe Company, a corporation of Delaware

Application September 6, 1939, Serial No. 293,583
2 Claims. (Cl. 285—112)



1. In a pipe joint, a pair of concrete pipe sections adjacently disposed in end to end relation,

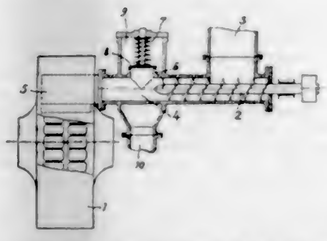
each of said pipe sections being provided with a shoulder, a reduced end portion on each pipe section, the reduced end portions of each pipe section being provided with an annular groove; a band encircling the reduced end portions of said pipe sections and in abutting relation to the respective shoulders of said pipe sections; and a resilient packing ring in each groove under compression between the respective pipe sections and said band.

2,234,644

METHOD OF AND APPARATUS FOR BRIQUETTING FINE-GRAINED, PULVERULENT, OR DUST-FINE MATERIAL

Franz Hergiotz, Karlsbad, Czechoslovakia

Application October 6, 1938, Serial No. 233,546
In Germany August 6, 1938
9 Claims. (Cl. 25—77)



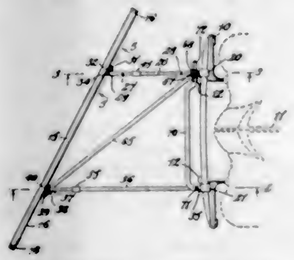
1. In a method of briquetting fine-grained pulverulent material, the steps which comprise conveying said pulverulent material to a briquetting operation at a greater rate than that at which the briquetting operation takes place, whilst damming said material by a resistance during said conveying operation in order to compact the same, withdrawing excess of compacted material and thereupon briquetting the remainder of the compacted material.

2,234,645

SNOWPLOW

Alfred L. Hetzelt, Kenmore, N. Y.

Application July 8, 1938, Serial No. 218,167
9 Claims. (Cl. 37—42)



1. A snowplow of the character described, comprising a furrow board adapted to traverse the surface to be cleared, a compression bar pivotally secured to the rear of said furrow board near one end thereof and extending rearwardly and upwardly therefrom, a telescopic compression bar pivotally secured to the rear of said furrow board near the opposite end thereof and extending rearwardly and upwardly therefrom, means for adjusting the effective length of said telescopic compression bar, a diagonal brace connected at its rear end to the rear end of one of said compression bars and connected adjacent the front end of the other of said compression bars, quick detachable means for connecting the rear ends of said compression bars with the bumper bar of an automobile, a transverse bar arranged parallel with said bumper bar, means connecting one end of said transverse bar with the rear end of one of said compression bars and means adjustably connecting the opposite end of said transverse bar with the rear end of the other of said compression bars.

2,234,646

WATER RESISTANT ALKALI SILICATE COMPOSITION

Chad H. Humphries, Glencoe, Ill., assignor to Insolna Corporation, New Orleans, La., a corporation of Louisiana

No Drawing. **Application August 15, 1938, Serial No. 224,965**
1 Claim. (Cl. 134—11)

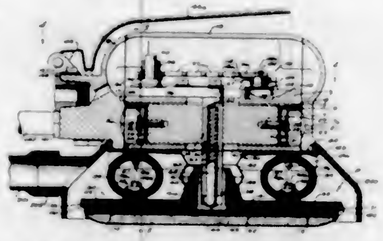
A water resistant alkali silicate coating composition consisting essentially of water glass, water, formaldehyde, a 30% sodium aluminate solution and sodium abietate in substantially the proportions of about one-half gallon water glass, one-half gallon water, 1 to 6 ounces formaldehyde, one-third to one and one-half ounces sodium aluminate solution and 1 to 3 ounces sodium abietate.

2,234,647

FLUID MOTOR

Ottmar A. Kehle, West Los Angeles, Calif., assignor to Sterling Tool Products Company

Application June 20, 1939, Serial No. 280,118
11 Claims. (Cl. 121—3)



1. A fluid motor comprising a body having a cylinder bore, a piston slidably mounted in the cylinder bore, fluid passageways in the body establishing communication between the cylinder and the body exterior, valve means in the body for controlling said passageways to alternately admit fluid to and pass fluid from the respective ends of the cylinder bore via said passageways, a valve operating member connected to the valve means, means operably connected with the piston and with the valve operating member for actuating the valve means by virtue of sliding movement of the piston, including a yoke pivotally connected at its inner end to the body, said yoke having two horizontally spaced parallel legs extending from its inner end, said respective legs passing on the respective sides of the valve operating member for alternate engagement therewith, fulcrum means carried by the body and extending between and being engageable by the legs of the yoke, and a connecting rod operatively connected at one end to the piston and at its other end to the inner end of the yoke.

2,234,648

PROCESS OF MAKING COLORED PAPER

Herbert A. Lubs, Wilmington, Del., and Edwin R. Laughlin, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. **Application September 14, 1937, Serial No. 163,800**
7 Claims. (Cl. 8—7)

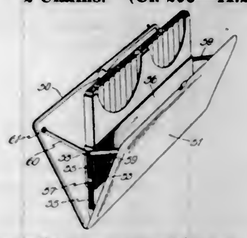
1. The process which comprises consecutively wetting a surface layer of a formed article of paper fibres with a solution comprising an azo dye coupling component and a solution comprising a diazotized aryl amine, and drying, the total acid remaining on the fibre before drying being not in excess of that which produces a combined residual mixture on the fibre which is neutral to slightly acid.

2,234,649

CIGARETTE CASE

William H. Meincke, White Plains, N. Y.

Application December 21, 1938, Serial No. 246,958
2 Claims. (Cl. 206—41.2)



1. A cigarette case comprising a pair of covers, a hinge for hingedly connecting together said covers whereby they may close to form a receptacle, an arm extending from each end of the hinge of the covers, each of said arms having two elongated slots, a second receptacle slidably mounted between said arms, pins carried by the ends of said second receptacle for sliding movement in the slots of said arms, and means connected to one of the pins at each end of said second receptacle and to each of the covers to effect a sliding movement of the second receptacle between said arms as the covers are moved to their open or closed position.

2,234,650

SWITCHING APPARATUS

Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application May 27, 1938, Serial No. 210,348
20 Claims. (Cl. 179—164)



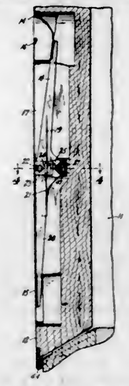
1. A switch comprising, in combination, an operating member having a plurality of operating positions, a contact controlling member operative in response to operation of said operating member and having a plurality of operating positions individually corresponding to the operating positions of said operating member, locking means operative to restrain said contact controlling member in one of its operating positions, means responsive to movement of said operating member from one of its operating positions into a second of its operating positions and back toward its one operating position for operating said locking means, means responsive to subsequent movement of said operating member into a third of its operating positions for causing said locking means to release said contact controlling member, means operative to move said contact controlling member into another of its operating positions when said locking means releases said contact controlling member, and contacts controlled by said contact controlling member, said contacts being arranged in different manners when said contact controlling member occupies different ones of its operating positions.

2,234,651

REFRIGERATOR DOOR LATCH

Eric Pick, New York, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application December 15, 1937, Serial No. 179,839
4 Claims (Cl. 292—167)



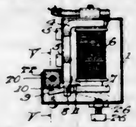
1. A latch for a door of a refrigerator including a self-latching latch bolt, a handle to be normally located substantially inside the plane of an outer surface of the refrigerator comprising a cup-shaped member to be oscillated on its side in the refrigerator door and having a grasping piece across the mouth of the cup, and a connection between said handle and said latch bolt so that the bolt will be operated to unlatch the door upon either inward or outward movement of said handle.

2,234,652

CAMERA SHUTTER OPERATING DEVICE

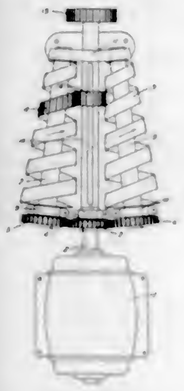
Gustav Prager, New York, N. Y., assignor to Abbey Photo Corporation, New York, N. Y., a corporation of New York

Application May 24, 1939, Serial No. 275,436
8 Claims. (Cl. 74—2)



1. A camera shutter operating device comprising, a plunger, means for moving the plunger to actuate a shutter release, movable means for holding the plunger in set position, an armature connected to said holding means, an electromagnet arranged to act on said armature for moving the holding means out of engagement with the plunger, and means for regulating the extent of movement of said armature.

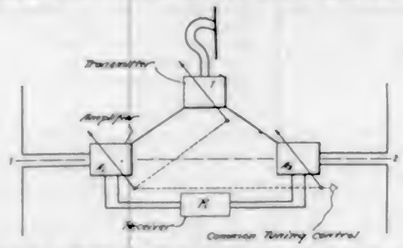
2,234,653
SPEED CHANGE GEARS
Erich Rothfeld, Niederau, near Meissen, Germany
Application September 10, 1938, Serial No. 229,298
In Germany May 25, 1937
4 Claims. (Cl. 74—348)



1. A change speed gearing comprising a pair of series of helically disposed gear teeth, means for simultaneously rotating said two series of gear teeth about the axis of their respective helices, the diameters of the turns of the helices increasing uniformly in both series from one end to the other, the several turns in each helix being uniformly spaced from each other a distance twice as great as the axial length of the teeth of which the helix is composed, the axes of the helices being inclined towards each other, so that the distance between the circumferences of the two helices is uniform throughout the entire length of the same, a shaft extending in a direction bisecting the angle formed by the axes of the two helices, and a spur pinion slidably mounted on said shaft and rotatably fixed with respect thereto, and meshing with the teeth of each of said helical series of teeth, the axial length of the teeth on the pinion corresponding to the axial length of the teeth in the helices, the helices on said first named axes being angularly offset with respect to each other in such manner that upon displacement of the spur pinion on its shaft, said spur pinion will at no time be out of engagement with at least one turn of the helices.

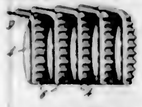
2,234,654
DIRECTION FINDER
Wilhelm Runge, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 15, 1935, Serial No. 6,634
In Germany February 15, 1934
7 Claims. (Cl. 250—11)

4. The method of obtaining directional indications from ultra-high frequency signals radiated from a distant station, which comprises collecting said signals at two zones of reception symmetrically located with respect to, and in the same vertical plane with, a local source of radiant energy having the same frequency as that of said signals, combining said signals and said radiant energy as collected at each zone, and detecting differences in the amplitude and phase of said signals with respect to said locally propagated



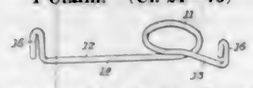
radiant energy, thereby to nullify the indications of "night effect."

2,234,655
MULTIPLE PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application April 26, 1939, Serial No. 270,079½
6 Claims. (Cl. 206—56)



1. A package comprising a strip of flexible packaging material formed of superposed layers having article containing compartments therebetween and spaced longitudinally thereof, said strip being folded between adjacent compartments to form a plurality of rectangular sections disposed side-by-side with their general planes in opposed approximately parallel relation to each other, each section having an extension on at least one edge that is folded over and separably secured to the corresponding extension of the next adjacent section, whereby all of said sections are held together as a unit and each section individually can be separated from the other sections.

2,234,656
INSULATOR TIE FOR ELECTRIC CONDUCTORS
James H. Schmalz, Glassport, Pa., assignor to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania
Application December 31, 1938, Serial No. 248,805
1 Claim. (Cl. 24—73)



A tie wire comprising a closed eye adapted to be dilated to fit over a support such as an insulator, and spring arms extending laterally from said eye, said arms being of different lengths and one of said arms being bent downwardly from the general plane of said eye, and the ends of the arms being bent upwardly and then downwardly forming hooks adapted to engage a wire to be anchored, when said arms are sprung upwardly, the length of the arms being such that two tie wires may be mounted on each insulator without the hooks interfering with each other on the wire to be anchored and thus equalize and distribute the stress on the wire and insulator on both sides of the insulator.

2,234,657
NAIL DECORATING METHOD AND DEVICE
Frank Martin Smaldone, Rochester, N. Y.
Application July 25, 1938, Serial No. 221,121
7 Claims. (Cl. 132—73)



1. As an article of manufacture a sheet of relatively stiff backing material and a plurality of stencil-like sheets of relatively thin pliable material removably attached to said backing material, said sheets of pliable material each being coated on one side with a coating of pressure adhering adhesive whereby said sheets may be removably adhered to the backing material and adhesively applied to human nails to act as stencils in painting designs on the nails and be removable from said nails after the design is painted.

2,234,658
METHOD OF CUTTING OR PREPARING FISH
Evelyn C. Smith, Port Washington, Wis., assignor to Smith Bros. of Port Washington, Inc., Port Washington, Wis.,
Application June 15, 1940, Serial No. 340,748
4 Claims. (Cl. 17—45)



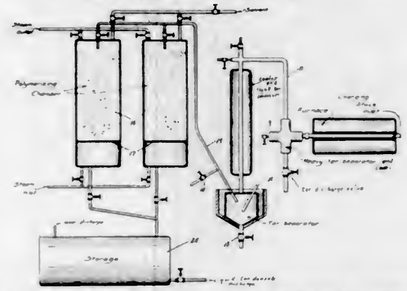
2. A method of preparing fish to provide individual service portions consisting in, first, removing the fillets, next, cutting the fillets transversely into slices, then, dividing the slices to a point adjacent one of their edges, and then, parting the divided portions and folding the same to abut a portion of their edges, leaving the portions supported in the same plane.

2,234,659
CONNECTOR DEVICE
Samuel Sutter, Philadelphia, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 14, 1937, Serial No. 159,174
7 Claims. (Cl. 173—328)



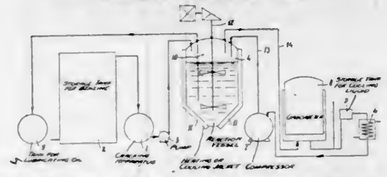
1. In combination, in a connector device or the like, a plurality of perforated discs of insulating material disposed in superposed relation, a metallic element encircling said discs, one end of said element being provided with an inwardly directed ledge on which the lowermost of said discs is supported, the said disc and the said ledge having interlocking parts whereby the said disc is restrained against rotation, and the other end of said metallic element having resilient means for urging the several discs toward each other and for preventing the uppermost disc from rotating, said means comprising a generally radial inwardly directed member having an axially directed angularly divergent hooked end and arranged to overlie the outer face of the upper disc with the hooked end seated in a perforation in said face.

2,234,660
MANUFACTURE OF HYDROCARBON RESINS
Charles A. Thomas, Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
Application June 1, 1935, Serial No. 24,509
12 Claims. (Cl. 260—93)



1. In the manufacture of hydrocarbon resins by polymerization of a cracked petroleum hydrocarbon stock rich in olefins and diolefins in the presence of a Friedel-Crafts catalyst and which stock when subjected to polymerization in the presence of a Friedel-Crafts catalyst yields resins both soluble and insoluble in petroleum naphtha, the improvement whereby the yield of petroleum-naphtha-soluble resin is increased and the yield of petroleum-naphtha-insoluble resin is decreased, characterized in that the cracked petroleum hydrocarbon stock is subjected to a mild partial polymerization to incipient resin formation prior to treatment with the Friedel-Crafts catalyst.

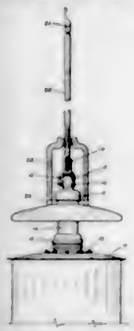
2,234,661
METHOD OF PRODUCING LUBRICATING OILS
Heinrich Tramm, Oberhausen-Holten, Germany, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany
Application December 15, 1936, Serial No. 115,951
In Germany December 20, 1935
8 Claims. (Cl. 196—78)



1. The method of producing lubricating oils from olefines, comprising the steps of causing, by the addition of aluminum chloride as a polymerizing catalyst, a hydrocarbon mixture mainly consisting of aliphatic hydrocarbons and being rich in olefines to polymerize, progressively increasing the polymerizing temperature, while the reaction proceeds, at a rate of less than about 20° C. per hour by at least about 50° C., without materially exceeding 120° C. separating said polymerizing catalyst from the lubricating oil produced and reusing it subsequently in another

polymerization reaction of the same kind starting at a temperature substantially lower than that reached in the preceding polymerization reaction and not materially exceeding 120° C.

2,234,662
TERMINAL ENCLOSURE
Frank L. Aime, New York, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application September 27, 1939, Serial No. 296,759
1 Claim. (Cl. 174—145)



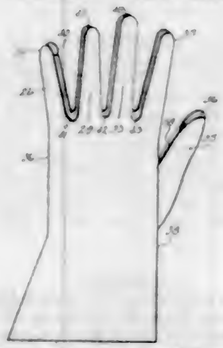
An assembly of the type described comprising an electric insulator fitted with an exposed energized metallic connector, an insulated electric conductor in contact with said connector and a protective cylindrical shield formed of frangible electrically insulating vitreous material enclosing said connector, said shield being constricted at its upper end so that its minimum internal diameter is substantially greater than the maximum dimension of the insulated electric conductor in cross-section, said shield being entirely supported by said insulator, the internal diameter of said shield being sufficient at all points to provide clearance between the interior surface of the shield and the enclosed connector, the clearance being sufficient to permit entrapped moisture to drain through ports recessed in the lower edge of said shield between said shield and said insulator.

2,234,663
METHOD OF REINFORCING BUILDING UNITS
Frederick O. Anderegg, Mount Union, Pa.
Application September 21, 1935, Serial No. 41,573
6 Claims. (Cl. 25—154)



1. A method of producing a light weight reinforced structural building unit of a cementitious mixture of a type which, upon setting, will produce highly porous body, comprising casting the plastic cementitious mixture around reinforcing means maintained under tension, and allowing the cast cementitious mixture to take its initial set only while preventing the said tension from stressing the said cast cementitious mixture, thereafter transferring the tension stress of said reinforcing means to compressive stress of the set cementitious mixture; and maintaining said compressive stress while the mixture attains its final set.

2,234,664
GLOVE CONSTRUCTION
William H. Banovic, Milwaukee, Wis.
Application February 9, 1939, Serial No. 255,406
2 Claims. (Cl. 2—169)



1. A thumb for a glove, said thumb including a blank folded medially and provided with a notch and curved ends adjacent the thumb tip, the tip of the thumb having a fourchette extending integrally with said blank from the notch, and a line of stitching securing the fourchette to the curved ends and connecting the free margin of the thumb to close the same opposite the folded line.

2,234,665
OPTICAL PRISM
Karl Bauer, Vienna, Austria, assignor of forty-five per cent to Alfred Doeschner, Lugano-Ruvigliana, Switzerland
Application August 26, 1937, Serial No. 160,984
In Austria August 26, 1936
4 Claims. (Cl. 88—1)



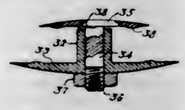
1. An optical system of solid transparent material comprising a light divider having outer plane entrance and exit surfaces, inner partially reflecting and inner totally reflecting plane surfaces arranged in such a way as to divide and direct a light beam entering the said entrance surface into three parallel beams leaving the plane exit surface, the inner partial beam of said three partial beams passing through said partially reflecting surface, the two outer partial beams being reflected by said totally reflecting surfaces, the length of the path of the inner partial beam through said divider being shorter than the length of the path of the outer partial beams between said entrance and said exit surfaces, the path of the outer partial beams being straight after the reflection of said totally reflecting surfaces, and means for equalizing the lengths of said partial beams, said equalizing means comprising a compensator cooperatively associated and forming a unitary structure with said divider and arranged in series relationship with the path of the inner partial beam, said compensator having at least two rows of parallel equally spaced totally reflecting surfaces, the reflecting surfaces of the first row being inclined to the direction of the inner partial beam entering the compensator, the reflecting surfaces of the second of said rows being equally inclined, but in the opposite direction to the direction of the inner partial beam entering the compensator, said two rows being in series relationship with respect to the direction of the inner partial beam, and each reflecting surface of said two rows extending between the path of the outer partial beams reflected by the totally reflecting surfaces of the divider, whereby the length of the path of said inner partial beam is increased without ultimate change of its direction and the three partial beams leaving the exit surface are in alignment with each other.

2,234,666
DYEING MACHINE FOR MARQUISETTES AND METHOD OF DYEING
Murray N. Bulford, Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., New York, N. Y., a corporation of Delaware
Application October 6, 1939, Serial No. 298,199
5 Claims. (Cl. 8—151)



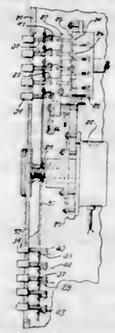
5. The herein described method of dyeing clip spots which comprises applying a film of liquid dyeing material to a feeding surface, moving a fabric having a body and clip spots projecting from one side of its body along a path of travel toward said surface and away from said surface at diverging angles transverse to said surface, the fabric being fed with the clip spots disposed toward said moving surface, whereby the fabric is bent transversely on a line near but spaced from said surface and its clip spots are opened against said surface.

2,234,667
WOODEN BARREL
Peter D'Amico, Brooklyn, N. Y.
Application June 27, 1938, Serial No. 216,165
3 Claims. (Cl. 217—76)



1. In a barrel, a barrel head consisting of a disk composed of a plurality of wooden segments abutting edge to edge against one another, the grain of the wood in said segments running in a substantially radial direction, said disk having a central opening, a pair of coaxial flanges abutting the opposite faces of said disk, one of said flanges having integral therewith an axial hollow interiorly threaded hub portion extending through the opening of said disk, said other flange being movable axially of said hub, a separate means extending through said last named flange and rotatable relative thereto, said means having a shoulder at one end contacting said last named flange and threads on the other end cooperating with the threads in said hub to draw the flanges toward each other during the assembly of the head, said flanges having on their inner faces a circumferential series of spaced radially extending ridges, the movement of the flanges toward each other causing the ridges to penetrate the surfaces of the wooden segments thereby preventing separation of said segments.

2,234,668
TIMED AUTOMATIC TUNING DEVICE FOR RADIO RECEIVERS
James M. Davenport, Detroit, Mich.
Application January 26, 1938, Serial No. 186,947
3 Claims. (Cl. 200—38)

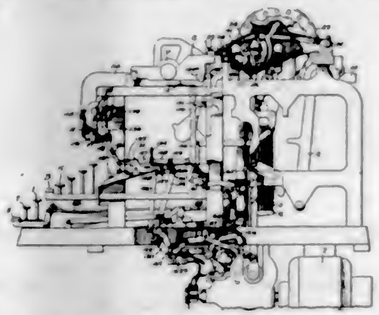


1. A device of the class described adapted for use with a radio receiver having an electric automatic tuning mechanism and provided with switch closing members for operating the same, a movable supporting body movable at a predetermined rate of speed; a second supporting body movable in unison with and spaced from said first mentioned supporting body; a plurality of plungers projecting through said bodies and movable inwardly to operative position and outwardly to inoperative position; a spring for normally retaining said plunger moved outwardly to inoperative position; a shoulder on each of said plungers; spring members carried on said second mentioned supporting body and engageable behind a shoulder of a plunger upon inward movement of the same for retaining the same in operative position; a stationary body; a stop on said body; and means projecting outwardly from said second mentioned supporting body engageable with said stop, upon movement of said supporting body to a predetermined position with a plunger in operative position, for releasing said plunger for movement to inoperative position.

2,234,669
CALCULATING MACHINE
Arthur J. Fettig, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application November 23, 1936, Serial No. 112,197
19 Claims. (Cl. 235—60)

1. A calculating machine having a traveling paper carriage, a register support, a plurality of registers on said support, and means under control of said paper carriage for indexing said register support as said carriage is moved from column to column, said means comprising an

escapement mechanism conditioned by said carriage during movement thereof and operable



while said carriage is stationary to continue indexing of said register support.

2,234,670
SANITARY HAND PAD
Joseph Flandach, Fairport, N. Y.
Application October 25, 1937, Serial No. 170,773
2 Claims. (Cl. 15—227)



1. A soft hygienic hand pad usable on the face or skin comprising a plurality of sheets of soft tissue paper laminated together to form a soft sheet-like pad adapted to be laid over the fingers of the user's hand, the exposed sheet of said pad comprising a relatively tough, creped sheet whereby said pad presents a rough surface backed by soft cushioning sheets.

2,234,671
METHOD OF AND APPARATUS FOR PRODUCING AN INSULATED CORE
Ben K. Ford, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1938, Serial No. 216,252
6 Claims. (Cl. 66—9)

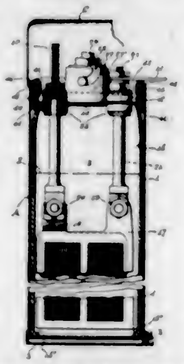


1. A method of forming an electrical conductor comprising knitting a covering on an electrical conductor core with the wales of the covering extending spirally about the core in one direction, and knitting a second covering on the first covering with the wales of the second covering extending spirally about the core in a different direction.

2,234,672
PROTECTIVE COMPOSITION
C. Roy Gleason, Chicago, Ill., assignor to Insolna Corporation, New Orleans, La., a corporation of Louisiana
No Drawing. Application August 22, 1938, Serial No. 226,137
2 Claims. (Cl. 260—739)

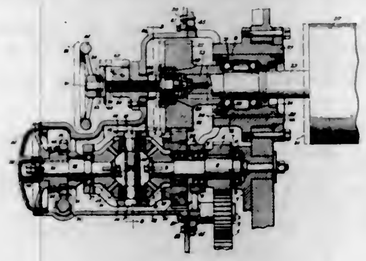
1. A protective composition consisting essentially of water glass, water, formaldehyde, and latex dispersion in about the proportions of one-half gallon water glass, one-half gallon water, from one-half to three ounces of formaldehyde, and from one to two ounces 40 to 60% latex dispersion.

2,234,673
CONTAINER STRUCTURE
Paul S. Grierson, Millburn, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 23, 1938, Serial No. 241,891
6 Claims. (Cl. 136—170)



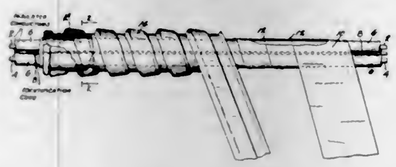
1. A container structure comprising a container having a quadrangular open end portion formed of elastic rubber-like material, a relatively rigid closure member disposed within said end portion and comprising a rim section of substantially the same shape and size as the inside of such end portion in horizontal cross section, and a relatively rigid band member embracing said end portion and closure member, said band member comprising a main section which in horizontal cross section is of substantially the same shape as but somewhat larger than the rim section of the closure member, the said sections of the band and closure members coacting to maintain interposed material of said container displaced to less than its normal thickness, one of said members, at each of opposite sides and one end of its said section, having a portion extending laterally toward the other of said members to a point which is adjacent to, substantially in vertical alignment with and in non-overlapping relation to the container-engaging edge of the said section of such other member, that member which is provided with such lateral extensions having each of opposite corner portions thereof at the points corresponding in vertical position to such extensions spaced laterally an appreciable distance from the respective adjacent corner portion of the container-engaging edge of the main section of the other of said members to thereby facilitate the disposition of the latter member in and the removal thereof from operative position by the application of pressure and without consequent deformation of either of said members.

2,234,674
MITER GEAR ADJUSTMENT FOR RUNNING REGISTER
Charles Jacobson, New York, N. Y., assignor to S & S Corrugated Paper Machinery Company, Inc., Brooklyn, N. Y., a corporation of New York
Application July 30, 1938, Serial No. 222,166
5 Claims. (Cl. 74—395)



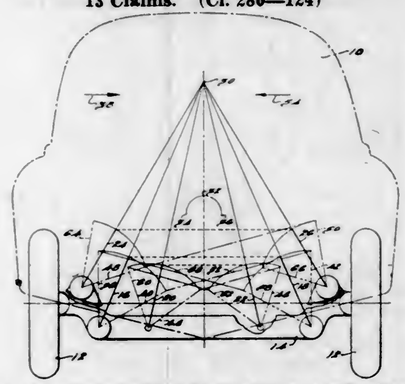
1. A running adjustment means for a driven shaft adapted to be rotated by a gear comprising a driving connection between said gear and said shaft, and means for advancing or retarding said shaft without axial displacement in the driving connection comprising a normally rotating miter gear and a normally stationary miter gear and gears positioned between said normally rotating miter gear and said normally stationary miter gear and in engagement therewith, said gears in engagement with said miter gears revolving about studs, said studs being moved in a rotary path by the engagement of the gears with said normally stationary and said rotating miter gear; and a housing surrounding said miter gears and said intermeshed gears carrying said studs, said studs engaging said housing, and means for rotating said normally stationary mitre gear for advancing or retarding said gears on said studs and for advancing or retarding said shaft.

2,234,675
ARMORED ELECTRIC CABLE
Gustave A. Johnson, Irvington, N. J.
Application July 26, 1939, Serial No. 286,540
3 Claims. (Cl. 174—16)



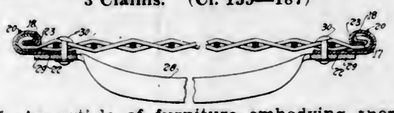
3. An electric cable comprising a pair of individually insulated and elongated electric conductors laid side by side in substantially parallel relation to each other, a binding cover about said pair of conductors binding said pair of conductors together to provide an assembly which is substantially oval in cross section, and an elongated outer flexible metallic armor tube of substantially circular cross section about said assembly whereby substantially continuous and uninterrupted elongated channels are provided on opposite sides of said assembly and defined by the major faces of said oval assembly and the opposed inner face of said tube.

2,234,676
AUTOMOTIVE VEHICLE
Joachim Kolbe, Detroit, Mich.
Application April 10, 1939, Serial No. 267,008
In Germany May 6, 1938
13 Claims. (Cl. 280—124)



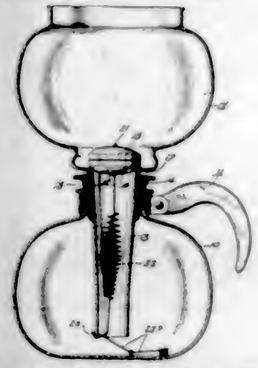
1. A vehicle having front and rear wheel supporting means, a superstructure, and connecting means comprising paired angularly inclined links interposed between the superstructure and the front and rear wheel supporting means, the transverse distance between the upper ends of said links and the transverse distance between the lower ends of said links being substantially constant and the transverse distance between the upper ends of said links being less than the transverse distance between their lower ends whereby the superstructure may assume an inclined or banked position relative to the wheel supporting means, the links interconnecting the front wheel supporting means and superstructure being disposed at a different angle than the links interconnecting the rear wheel supporting means and superstructure.

2,234,677
CHAIR OR SIMILAR ARTICLE
Lewis Larsen, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application February 27, 1939, Serial No. 258,603
3 Claims. (Cl. 155—187)



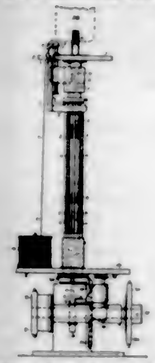
1. An article of furniture embodying therein a panel of stake and strand fabric, a metallic binding embracing a margin of said panel, said binding and embraced margin of the panel being jointly folded over upon one face of the panel, the folded over portion of the binding on said face of the panel being reversely bent to present an edge spaced inwardly from the edge of the bound panel, the edge of the binding on the other face of the panel also being spaced inwardly from said edge of the bound panel, and a relatively stiff sustaining frame bounding the bound margin of the panel and determining its contour and shape and comprising a member formed to embrace the bound margin of the panel and having a portion bent laterally to engage the edge of the binding, the edge of said portion of said frame abutting the first mentioned face of the panel.

2,234,678
FILTER
Leroy A. Matson, Chicago, Ill., assignor to Hill-Shaw Company, Chicago, Ill., a corporation of Illinois
Application March 13, 1939, Serial No. 261,457
5 Claims. (Cl. 210—162)



1. A filter comprising a pair of superposed members provided with contacting faces formed to provide a number of filtering channels intermediate said faces and extending inwardly from the periphery of the members, one or more fluid ports extending through the lower of said members from top to bottom thereof and communicating with said filtering passages, and means engaging the upper member and passing slidably through the lower member for pressing the latter against a wall of a vessel and for securing said members in said contacting relation.

2,234,679
DEVICE FOR STRINGING LABELS AND THE LIKE
George Allan Miller, Edinburgh, Scotland
Application July 11, 1939, Serial No. 283,731
In Great Britain July 30, 1938
2 Claims. (Cl. 93—91)



1. A device for stringing labels, comprising a rotatable tubular spindle, a bracket secured on said spindle, and a string guide supported on said bracket, a fixed tubular spindle extending through said rotatable spindle, a disk mounted on the upper end of said fixed spindle, a spring gripper carried by said disk for holding the label to be strung, a cutter mounted on said disk for severing the string at predetermined intervals, means carried by said fixed spindle for operating said cutter, means for rotating said rotatable spindle, and means associated with said rotating means for actuating the cutter-operating means during rotation of the spindle.

2,234,680
PROCESS OF PREPARING PANTOTHENIC ACID
Marjorie B. Moore, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application July 22, 1940, Serial No. 346,807
2 Claims. (Cl. 260—534)

1. The process of preparing pantothenic acid of the vitamin B complex which comprises fusing a mixture made up of B-alanine and a member selected from the group consisting of α,γ-dihydroxy-B,B-dimethyl-n-butyric acid and α-hydroxy-B,B-dimethyl-butyro-γ-lactone.

2,234,681
PHTHALATE TREATED TITANIUM DIOXIDE PIGMENTS
Walter K. Nelson and Arthur O. Ploetz, Metuchen, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application December 21, 1938, Serial No. 247,037. Divided and this application May 18, 1940, Serial No. 336,006
4 Claims. (Cl. 134—58)

1. As a new composition of matter, a titanium dioxide pigment the particles of which are coated with basic titanium phthalate having the composition which may be indicated by the formula $C_8H_4O_4 \cdot (TiO(OH))_2 \cdot xH_2O$, the amount of said basic phthalate calculated as TiO_2 being between about 1 per cent and 10 per cent based on the weight of said pigment.

2,234,682
VIOLIN BOW
Harry L. Notter, Chicago, Ill.
Application August 26, 1938, Serial No. 226,977
9 Claims. (Cl. 84—282)

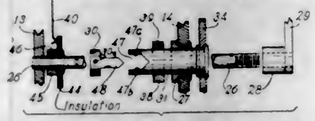


1. A new article of manufacture comprising a bow for playing instruments of the violin class having the usual rod and having freely vibrating resilient means connected in series with the hairs and with one end of the bow rod.

2,234,683
SWITCH FOR GENERATORS
Elliott H. Otterbacher, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 11, 1939, Serial No. 250,330
2 Claims. (Cl. 200—153)

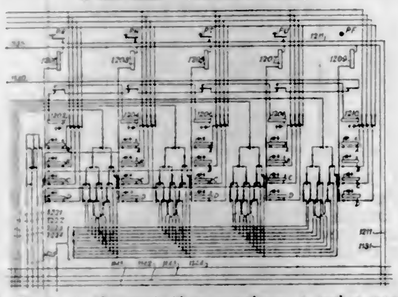
1. In a magneto generator including a rotor, a drive shaft mounted for rotary and axial movement and a driving connection between said shaft and said rotor, a circuit controlling element operative in response to axial movement of said shaft, a pair of cooperating elements included in said driving connection, one of said elements

being provided with a slot having parallel sides terminating in a substantially V-shaped camming surface, the other of said elements comprising a collar provided with a projection extending within said slot, said projection having sides extending parallel with but normally displaced from the parallel sides of said slot and terminating in a substantially V-shaped end to pro-



vide a camming surface which normally engages the camming surface of said slot, means including said camming surfaces for imparting axial movement to said shaft in response to rotation of said shaft, and means including said parallel sides of said slot and said projection for positively arresting axial movement of said shaft after a predetermined rotary movement of said shaft.

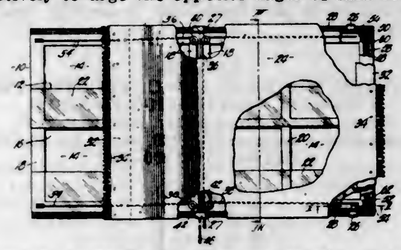
2,234,684
STOCK QUOTATION SYSTEM
Harold C. Robinson, Baltimore, Md., and Martin L. Nelson, Park Ridge, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application June 18, 1938, Serial No. 462,114. Divided and this application February 1, 1939, Serial No. 254,120
9 Claims. (Cl. 177—353)



1. In a stock-quotation receiver, a price-range register and a group of price-digit registers, means for transmitting a price range digit and for transmitting successively a variable number of price digits to said receiver, and circuit arrangements controlled in accordance with the setting of the price-range register for causing the first price digit to be received to be registered on a given price-digit register or on a different one, depending upon the setting of the price-range register.

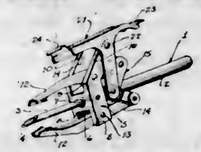
2,234,685
COMBINED TAPESTRY FRAME AND CABINET
Edd F. Vance, Kansas City, Mo.
Application June 12, 1939, Serial No. 278,619
8 Claims. (Cl. 312—190)

2. A device of the character described comprising a relatively thin planar frame having pockets opening into one side thereof; a pliable cover member carried by said frame and extending over one side of said frame and adapted to cover said pockets; means at opposite edges of said cover member to yieldably secure it in a stretched-out position; and means operable selectively to urge the opposite edges of said cover



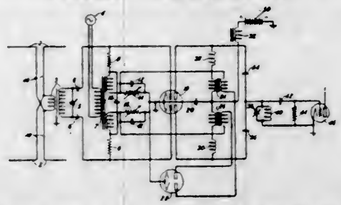
member inwardly to uncover certain of said pockets.

2,234,686
NEEDLE AND CLAMP THEREFOR
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application January 2, 1940, Serial No. 312,160
11 Claims. (Cl. 99—256)



1. In combination with a hollow needle, clamping jaws and means including a toggle link operatively associated with the jaws and adapted for positively locking the jaws against the outer walls of the needle.

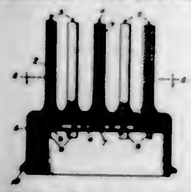
2,234,687
BALANCED VACUUM TUBE CIRCUIT
Horace T. Budenbom, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1939, Serial No. 306,060
3 Claims. (Cl. 179—171.5)



1. In a balanced modulator for producing sideband frequencies consisting of the sum and difference of two input frequencies and which eliminates the input frequencies by balancing them out in the two halves of the modulator output, means for maintaining the balance between the halves of said modulator comprising a shunt circuit across each half of the output circuit of said modulator, said shunt circuit passing the second harmonic of one of the input frequencies and excluding all other frequencies, a second means associated with each of said shunt circuits for extracting therefrom energy of said harmonic frequency, rectifying said energy and passing it through a resistor in the grid circuit controlling the amplification through that half of the modulator with which the particular shunt circuit is associated, whereby the amplification of each

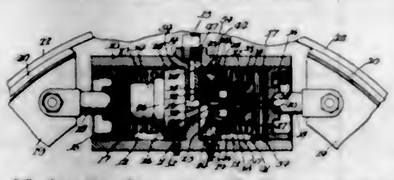
half of said balanced modulator is separately maintained constant and the balance between the halves of said modulator is thereby maintained.

2,234,688
DISTRIBUTOR HEAD AND CONDUCTOR FOR INTERNAL COMBUSTION ENGINES
James Aubrey Burckhalter, Barnwell, S. C.
Application November 30, 1939, Serial No. 306,787
2 Claims. (Cl. 200—19)



1. In a distributor for internal combustion engines, a distributor head comprising a hard rubber body having a plurality of flexible rubber tubes integral therewith, there being a central tube and a plurality of peripheral tubes, a wire extending through each of said tubes into said body, and a metal contact for each of said wires embedded in said hard rubber head and extending inwardly therefrom.

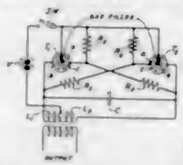
2,234,689
HYDRAULIC BRAKE MECHANISM
George F. Chard, Elmwood Park, Ill., assignor of one-half to Joseph M. Sachs, Chicago, Ill.
Application July 29, 1938, Serial No. 221,939
20 Claims. (Cl. 188—152)



1. Mechanism for automatically compensating the wear in brake shoes of fluid actuated brakes, embodying a cylinder having an inlet in communication with a source of supply of fluid pressure, a piston in the cylinder connected with a brake element, a flexible valve for controlling the inlet, said valve adapted to be opened by fluid pressure to admit fluid into the cylinder to move the piston in one direction, means tending normally to move the piston in the opposite direction causing the valve to close said inlet, a portion of said valve while in a closing position being movable to augment the pressure of the fluid in the cylinder while entrance of fluid into the cylinder beyond the valve is prevented, and compensating means operating automatically to relieve the fluid pressure within the cylinder, the last recited means embodying a supplemental valve mechanism influenced by fluid pressure in the cylinder.

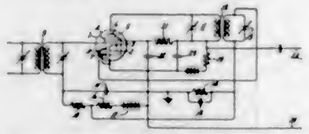
2,234,690
INVERTER OSCILLATOR
Wallace A. Depp, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1939, Serial No. 290,362
3 Claims. (Cl. 250—36)

1. In an inverter oscillator, a pair of gas-filled discharge tubes, each having an anode, a cathode and a control electrode, a source of direct current, a connection between the positive pole of said source and each of said anodes, a connection including an individual impedance between the negative pole and each of said cathodes, a work circuit coupled to both of said impedances, means to initiate a first discharge between one of said



anodes and the respective cathode, and circuit means responsive to said first discharge to effect a discharge across the other anode-cathode gap and to extinguish the first discharge, and thereafter cause said tubes to alternately discharge and extinguish, said circuit means including a condenser connected between said cathodes and a high resistance connection between each control electrode and the cathode of the other tube.

2,234,691
ELECTRON DISCHARGE CIRCUIT
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 18, 1938, Serial No. 235,631
2 Claims. (Cl. 179—171)

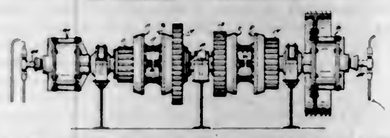


1. In combination, an electron discharge amplifier having a control grid, a screen grid and an anode circuit, means to supply to said discharge device both high frequency currents and low frequency currents to be amplified thereby, output circuits for said high and low frequency currents coupled to said anode circuit, said low frequency output circuit being coupled to said anode circuit by a resistance, means to supply operating potential to said screen grid through said resistance, and means to supply unidirectional bias potential to said control grid varying in magnitude in accordance with the intensity of currents in said high frequency output circuit.

2,234,692
PROCESS OF MAKING P-NITROSOPHENOL
Thomas S. Donovan and Lewis J. Behrndt, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 31, 1939, Serial No. 302,260
5 Claims. (Cl. 260—621)

1. In a process of manufacturing p-nitrosophenol from phenol, an alkali metal nitrite, and sulfuric acid, the step of adding to the reaction mixture a compound selected from the group consisting of alkali metal acid sulfates and alkali metal sulfates, whereby the yield of p-nitrosophenol is increased without the use of a large excess of alkali metal nitrite.

2,234,693
CHANGE-SPEED MECHANISM
Gerald Frink, Seattle, Wash., assignor to Washington Iron Works, Seattle, Wash., a corporation of Washington
Application December 27, 1938, Serial No. 247,875
11 Claims. (Cl. 192—87)

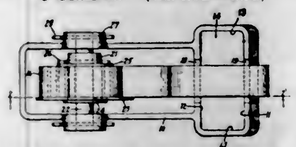


1. In combination with a center-bored shaft, change-speed means employed to control the power ratio transmitted therefrom comprising four variable-ratio gears carried for normal free rotation on the shaft and shiftable longitudinally with respect thereto, said gears being arranged in sets of two with the two gears of each set axially spaced, opposingly disposed cone-type clutch drums for the gears of each of said sets fixed to the gears, a driving ring for each of the gear sets fixed to the shaft in the space between the opposing clutch drums, a plurality of segmentally formed clutch shoes for each of said clutch drums fixed to the driving ring, the shaft being slotted longitudinally in the sphere of shifting movement of each of the gears, a pair of shifting rods revoluble with the shaft and received from opposite ends in the bore thereof for shifting movements axially of the shaft, connection through the slots of the shaft from one of said shifting rods to the two gears of one gear set and connection through the slots of the shaft from the other shifting rod to the two gears of the other gear set for operating the clutch drums axially of the shaft into and out of clutching engagement with the related clutch shoes, a piston for each of said shifting rods fixed to the rod, a casing for each of said pistons fixed to the shaft, and means for operating said pistons selectively in opposite directions of axial movement within the respective casings.

2,234,694
STENCIL SHEET AND PROCESS FOR FORMING THE SAME
Louis E. Fuller, New York, N. Y.
No Drawing. Application January 23, 1940, Serial No. 315,224
16 Claims. (Cl. 41—38.6)

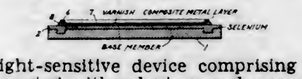
1. A stencil blank convertible into a stencil by impact of type and the like thereon, comprising open, fibrous material impregnated with an ester of cellulose and a higher fatty acid anhydride.

2,234,695
BRUSH HOLDING DEVICE
Max R. Hanna, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 19, 1939, Serial No. 310,027
6 Claims. (Cl. 171—324)



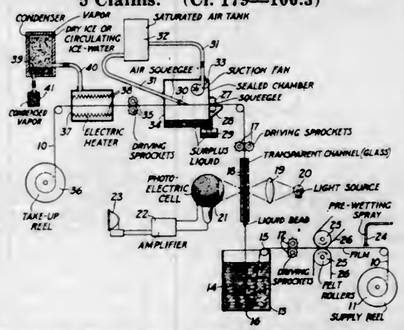
1. A brush biasing means including a spiral spring the convolutions of which are initially axially displaced with respect to each other with the edges of successive convolutions forming a conical outline, a mounting for said spring, and means engaging the outer edges of said spring for securing said spring on said mounting with the convolutions thereof biased axially toward each other with the edge on each side substantially in a single plane to insure against spring chatter.

2,234,696
PHOTOELECTRIC CELL
Clarence W. Hewlett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1937, Serial No. 145,540
6 Claims. (Cl. 136—89)



1. A light-sensitive device comprising a base member coated with selenium and a semitransparent metal layer on said selenium consisting of a homogeneous mixture of cadmium and a relatively non-oxidizable metal.

2,234,697
METHOD AND APPARATUS FOR OPTICAL SCANNING
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 11, 1939, Serial No. 289,643
5 Claims. (Cl. 179—100.3)

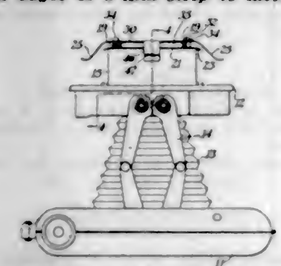


1. Apparatus for temporarily providing a moving photographic film with optically smooth surfaces as it passes a reproducing station, comprising a capillary channel having transparent side walls positioned at the reproducing station, a container, a liquid in the container having a refractive index substantially equal to that of said film, and means for advancing the film serially through the liquid and said channel, whereby liquid adhering to the film is carried into said channel to fill completely the spaces between the film and the transparent side walls of said channel.

2,234,698
ENLARGING CAMERA
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 31, 1938, Serial No. 248,767
13 Claims. (Cl. 88—24)

1. A photographic enlarging apparatus comprising, in combination, a fixed focus camera, a tubular extension member on the front of said camera, an apertured film supporting plate mem-

ber positioned on said extension member, means for detachably securing said plate member in position on said extension member, aligning pins on one of said members arranged to engage the marginal edges of a film strip to laterally align



an image area thereof with said aperture, and means secured to said extension member and cooperating with said plate member for holding said image area in flat position over said aperture.

2,234,699

CONTAINER FOR EXPLOSIVES

Daniel D. Huyett, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

Application October 22, 1938, Serial No. 236,545
6 Claims. (Cl. 102—6)



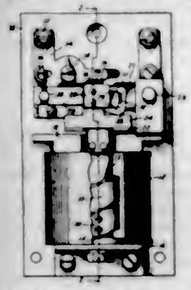
1. An empty, self-supporting paper tube adapted for use in dynamite cartridge filling machines, formed of a single sheet of paper folded in such manner as to provide for said tube a bottom wall of a single thickness of said paper, and wherein that edge of the sheet which lies inside of the tube and that edge thereof which lies outside of the tube are disposed in spiral paths, the spiral edge of the sheet inside of the tube facing toward the bottom of the tube.

2,234,700

CONTROL DEVICE

Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 1, 1939, Serial No. 276,823
10 Claims. (Cl. 200—122)



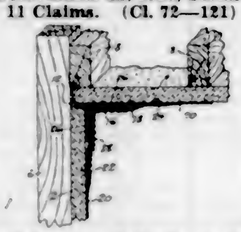
6. A control device comprising a member made of magnetic material, a bimetallic thermostat wound into a helix surrounding said member, a coil surrounding said helix, a conductor connecting together the ends of said helix to form a closed secondary winding for said coil, means securing one end of said helix, the other end of said helix being free to move in response to changes in temperature, a second bimetallic thermostat secured at one end to the free end of said helix and having its other end free to move, and circuit control means operated by the free end of said second thermostat upon distortion of said helix in response to changes in temperature, said second thermostat being arranged with respect to said helix so as to compensate for movement of the free end of said helix in response to changes in ambient temperature.

2,234,701

CORNER CONSTRUCTION

Harold T. Lyman, Cranston, R. I., assignor to Homosote Company, Incorporated, Fernwood, township of Ewing, N. J., a corporation of New Jersey

Application November 22, 1938, Serial No. 241,786
11 Claims. (Cl. 72—121)



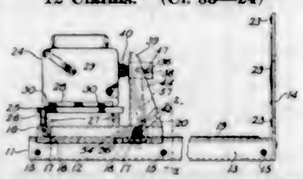
1. A laminated strip adapted to be applied to corners formed of panels, wall-board or the like to present a surface to which wall paper or other flexible wall covering material may be applied, said strip comprising an attaching member and a reinforcing member, the attaching member having a surface to which wall covering material may be applied, the opposite surface of said attaching member having marginal portions adapted to be secured to wall-boards and an intermediate portion between the attaching portions adapted when the strip is in use to move with respect to said wall-boards, said reinforcing member being secured to the intermediate portion of said attaching member with its edges spaced from the marginal portions of the attaching member whereby when said strip is applied to a corner the reinforcing member will be movable with the intermediate portion of the attaching member relative to said wall-boards.

2,234,702

MOTION PICTURE TITLER

Lawrence R. Martin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 11, 1939, Serial No. 289,681
12 Claims. (Cl. 88—24)



1. A photographic copying apparatus comprising, in combination, a bed member, a copying easel fixed at one end of said bed member, a carriage movably mounted on said bed member and arranged to support a copying camera, a supplementary lens system carried by said carriage and arranged in optical alignment with an objective lens of said camera, means for moving said carriage along said bed to position said camera relative to said easel, and means controlled by the movement of said carriage for adjusting said supplementary lens system to maintain said camera in focus with a title on said easel.

2,234,703

AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 24, 1938, Serial No. 215,638
11 Claims. (Cl. 8—50)

5. The process of coloring an organic derivative of cellulose which comprises applying thereto a nuclear non-sulfonated aryl monoazo dye compound having the general formula:

$$R—N=N—R_1$$

wherein R represents the residue of a phenyl nucleus and R_1 represents a phenyl nucleus containing an acetal group linked to its nucleus through an amino nitrogen atom which is a nuclear substituent of said phenyl nucleus and which is in para position to the azo bond.

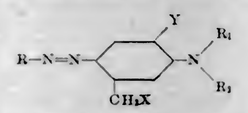
2,234,704

AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 15, 1939, Serial No. 268,126
8 Claims. (Cl. 260—205)

1. The azo compounds having the general formula:



wherein R represents an aryl nucleus of the benzene series, R_1 and R_2 each represents a member selected from the group consisting of hydrogen, an alkyl group, a cycloalkyl group, an allyl group, a furfuryl group, an aralkyl group of the benzene series, and an aryl group of the benzene series, Y represents a member selected from the group consisting of hydrogen, an alkyl group, an alkoxy group, and a phenoxy group, and X represents a member selected from the group consisting of a sulfo group, a sulfato group, and an acid ester of phosphorus group.

2,234,705

CELLULOSE ORGANIC DERIVATIVE COMPOSITION CONTAINING ESTERS OF MONO-ALKOXY BENZOIC ACIDS

James B. Normington and Fred C. Duennebier, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 12, 1940, Serial No. 329,347
5 Claims. (Cl. 106—40)

1. A composition comprising a cellulose organic derivative selected from the group consisting of the cellulose organic acid esters and the cellulose ethers, and, as a plasticizer therefor, a compound selected from the group consisting of the benzyl, cyclohexyl and tetrahydrofurfuryl esters of the lower mono-alkoxy benzoic acids.

2,234,706

CELLULOSE ORGANIC DERIVATIVE COMPOSITION CONTAINING GLYCOL ESTERS OF 3:4:5-TRIMETHOXYBENZOIC ACID

James B. Normington and Fred C. Duennebier, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 12, 1940, Serial No. 329,386
5 Claims. (Cl. 106—40)

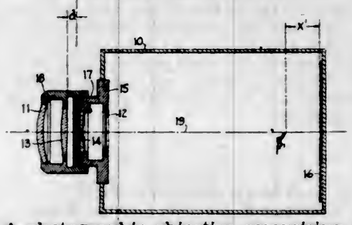
1. A composition comprising a cellulose organic derivative selected from the group consisting of the cellulose organic acid esters and the cellulose ethers, and, as a plasticizer therefor, a 3:4:5-trimethoxybenzoic acid mono-ester of a compound selected from the group consisting of ethylene glycol and its lower monoalkyl ethers.

2,234,707

PHOTOGRAPHIC OBJECTIVE

Carl Ort, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 19, 1939, Serial No. 291,045
In Germany October 18, 1938
3 Claims. (Cl. 88—57)



1. A photographic objective comprising a diaphragm and three lens elements axially spaced on one side of the diaphragm, the element nearest the diaphragm being plano concave with its concave side toward the diaphragm, the element farthest from the diaphragm being a positive meniscus element concave toward the diaphragm, the intermediate element being convex plano with its plano surface facing the diaphragm, the spacing between the diaphragm and the plano concave element being fixed, the spacing between the meniscus element and the convex plano element also being fixed and the spacing between the convex plano and the plano concave elements being adjustable for focusing.

2,234,708

TREATMENT OF STILL RESIDUES

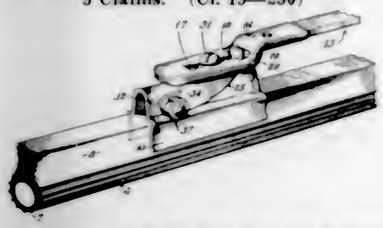
Joseph Rivkin, Pittsburgh, Pa., assignor to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application August 5, 1938, Serial No. 223,249
4 Claims. (Cl. 196—13)

4. That method of classifying resin contained in pure still residue resultant from distillation of light oil fractions produced in refinement and purification of coke oven light oils, which com-

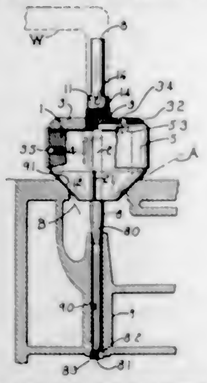
prises the steps of distilling said residue to remove oils contained therein, heating the residue of said distillation with petroleum naphtha solvent and thereby dissolving a fusible resin fraction soluble therein, adding adsorbent clay, filtering the solution heated substantially above about 28° C. to separate it from insoluble resin and inorganic matter, and distilling solvent from the filtrate to recover said fusible resin substantially free from inorganic matter and said insoluble resin.

2,234,709
WINDSHIELD WIPER
Raymond J. Rodrick, Akron, Ohio
Application April 12, 1939, Serial No. 267,412
5 Claims. (Cl. 15—250)



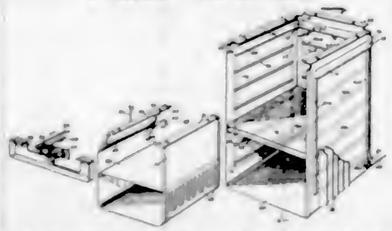
1. A windshield wiper arm and blade assembly comprising, a wiper arm having a flat portion at the end thereof, a slot extending longitudinally of the arm in said flat portion, a second slot extending transversely with respect to said first-named slot, a connector element pivoted to the back of said blade, on an axis transverse to the longitudinal axis of the blade, said element having a flat portion arranged beneath said first-named slot and having an upturned tongue projecting upwardly through said second-named slot, and a fastening device extending through the first-named slot into said flat portion of the connector element.

2,234,710
VALVE SEATING TOOL
Clarence T. Rottler, Seattle, Wash.
Application June 1, 1938, Serial No. 211,131
10 Claims. (Cl. 90—12.5)



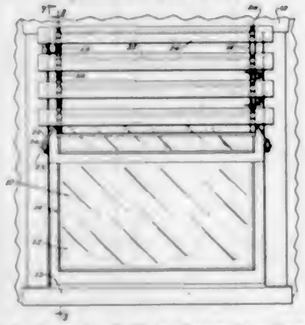
1. A valve seating tool for internal combustion engines, comprising a body formed with a conical end shaped to seat perfectly in a perfect valve seat, the periphery of said body being slotted in an axial plane, a tool bit slidable lengthwise within said slot, and having its cutting edge angled to coincide with the angle of the conical end, yieldable means urging such cutting edge within the slot, a sleeve surrounding the body and retaining the tool bit within its slot, a member threaded upon the body, and engageable with the tool bit for adjustment of the latter's cutting edge by minute increments, and means to slowly rotate the body, while it is seated and guided mainly by contact around the valve seat, to remove material from the seat by the tool's cutting edge, projecting insufficiently to raise the body from its guiding seat.

2,234,711
REFRIGERATING MACHINE
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1937, Serial No. 177,495
9 Claims. (Cl. 62—116)



3. A refrigerating machine including a cabinet having a food compartment to be cooled, a cooling unit arranged within said food compartment, said cooling unit comprising a housing forming a closed chamber, means including a refrigerant conduit arranged on the walls of said housing for cooling the air within said compartment and for cooling the walls of said chamber, means including a refrigerant evaporator for dividing said chamber into at least two sections partially insulated from one another and for providing a freezing chamber in one of said sections, means for supplying refrigerant to said conduit and to said evaporator and for withdrawing refrigerant therefrom, and means for maintaining said conduit at a higher temperature than said evaporator whereby the other of said two sections is maintained at a temperature intermediate that of said food compartment and that of said freezing chamber.

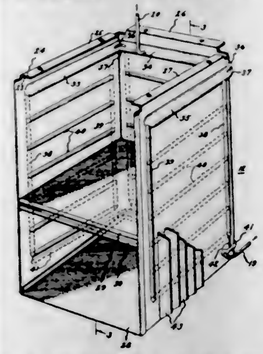
2,234,712
AWNING SHUTTER
Andrew Swanfeldt, Los Angeles, Calif.
Application May 21, 1938, Serial No. 209,267
6 Claims. (Cl. 20—59)



3. In a device of the character described, a

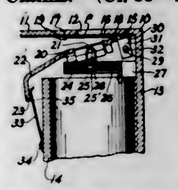
frame comprising a channel iron having two parallel sides and a bottom, a plurality of rods having one of their ends pivoted in one of the sides of said channel iron and extending over said bottom, a plurality of louvers, means to secure one of said louvers on each of said rods against lateral displacement relative to said channel iron, said means comprising a series of members secured to respective louvers, each of said members having a member integral therewith mounted on said rods respectively, between and engaging the sides of said channel iron.

2,234,713
REFRIGERANT EVAPORATOR
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application December 1, 1937, Serial No. 177,495. Divided and this application July 21, 1939, Serial No. 285,702
6 Claims. (Cl. 62—126)



2. A flooded evaporator for refrigerating machines including complementary metal sheets secured together to form an upwardly extending wall, a refrigerant header formed between said sheets near the upper end thereof, a pair of substantially parallel passages extending from said header and formed in one of said sheets, means including a plurality of transverse passages formed in the other of said sheets for connecting said first-mentioned passages, said transverse passages being inclined upwardly from one of said parallel passages to the other of said parallel passages, an inlet connection for admitting liquid refrigerant to said passages, and an outlet connection for removing gaseous refrigerant from said header.

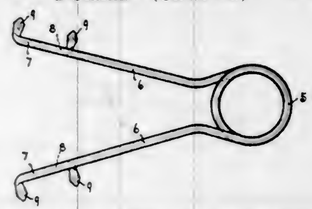
2,234,714
FILM GATE STRUCTURE
Howard C. Wellman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 20, 1939, Serial No. 251,994
3 Claims. (Cl. 88—17)



1. A film handling apparatus comprising a

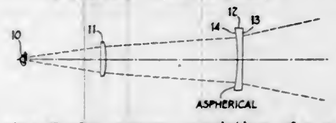
frame member including an objective sleeve, a stationary gate member, a movable gate member, a hinge connection between said gate members and for supporting said movable gate adjacent said objective sleeve, a resilient means for urging said gate members toward each other, a spring catch member mounted on said objective sleeve, and an extension arm on said movable gate member having an inclined portion for guiding film toward said gate members and a portion bent toward said objective sleeve and carrying a projection for engaging said catch member when said gate member is moved to open position.

2,234,715
MORTICIAN'S INSTRUMENT
Carl H. Whitney, Craig, Nebr.
Application September 16, 1939, Serial No. 295,289
1 Claim. (Cl. 27—1)



In a mortician's instrument, a resilient strand bent midway between its ends and providing a pair of opposed, normally divergent handle-members and bent downwardly at approximately right-angles from the handle-members to provide a pair of spreader-arms, and a pair of spacer-arms integral with the spreader-arms, each spacer-arm being disposed adjacent a spreader-arm in the vertical plane below a handle-member, each spreader-arm and each spacer-arm being provided with a terminal projection.

2,234,716
VIEW FINDER FOR CAMERAS
Donald L. Wood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 30, 1938, Serial No. 248,452
5 Claims. (Cl. 88—1.5)

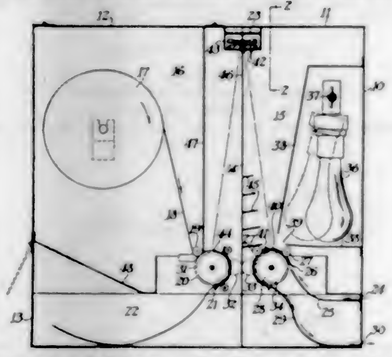


1. A view finder system consisting of a positive eye-piece and a negative front component mutually spaced in view finder relation, said front component having an aspherically shaped rear surface which is concave to the eyepiece and which has a marginal curvature slightly less than its paraxial curvature to reduce distortion.

2,234,717
PHOTO COPYING MACHINE
Fred E. Altman and Frederick A. Tompkins, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 22, 1939, Serial No. 263,424
7 Claims. (Cl. 88—24)

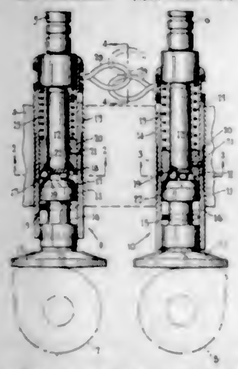
1. A photo copying machine having a casing divided into two compartments, means consisting of an elongated drum in one compartment for

feeding a copy to be photographed, means consisting of a second elongated drum substantially coextensive with the copy feeding drum in the other compartment for feeding photo-sensitive sheet material, said drums being parallel and positioned in their respective compartments adjacent to one another, means coupling the two feeding means to move the copy and photo sensitive material in opposite directions at equal speeds, a slotted member positioned transversely to the copy feeding means to frame a portion of



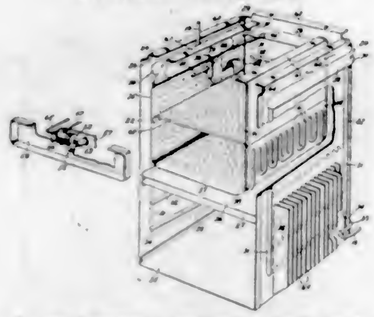
the copy, a light source for illuminating said portion of the copy, a focusing reflector positioned at twice its focal length from said portion of the copy and to receive light therefrom, to reflect it into the photo sensitive material compartment and to focus it to an image therein, said photo sensitive material feeding means being positioned to feed the material through the plane of said image, and a second slotted member framing that portion of the photo sensitive material receiving said image.

2,234,718
ZERO LASH DEVICE
Joseph A. Anglada, New York, N. Y.
Application July 9, 1938, Serial No. 218,350
26 Claims. (Cl. 123—90)



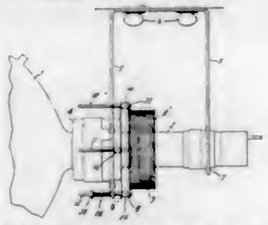
1. In a valve operating mechanism the combination with a valve stem and an operating cam of an automatically compensating tappet therebetween comprising longitudinally relatively movable members having opposed surfaces transverse to the line of movement of said members, an adjustable spacing element between said surfaces, a cam member normally holding said spacing element in adjusted position and means for momentarily retracting said cam element while the tappet is at rest and the valve closed.

2,234,719
REFRIGERATING MACHINE
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1937, Serial No. 177,521
Renewed February 8, 1940
10 Claims. (Cl. 62—116)



1. A refrigerating machine including two evaporators, means for supplying refrigerant to one of said evaporators, means for conveying liquid and gaseous refrigerant from said one evaporator to the other of said evaporators, said other evaporator having a series conduit for carrying refrigerant through one portion thereof, means for withdrawing gaseous refrigerant from said other evaporator, means including a restricted passage arranged in said conveying means for maintaining a difference of pressure between said evaporators, and means communicating with said conveying means between said restricted passage and said series conduit for diverting from said series conduit a quantity of gaseous refrigerant.

2,234,720
ELECTRON DISCHARGE APPARATUS
Donald R. De Tar, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application August 10, 1939, Serial No. 289,428
6 Claims. (Cl. 250—161)



1. The combination, in an electron discharge apparatus in which a beam of electrons is focused upon a screen, of a magnetic field producing device arranged about said beam near its origin to control the direction thereof, said device being mounted upon a pair of parallel members extending about said beam, both of said members being adjustable in unison about an axis at right angles to said beam, and one of said members

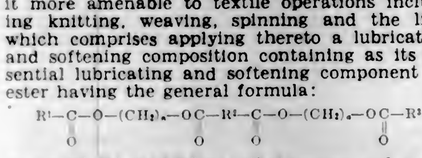
being adjustable about an axis at right angles to said first axis and said beam and independently of the plane of the first member, said device being movable with said one member about either of said axes.

2,234,721
YARN TREATING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,680
3 Claims. (Cl. 28—1)

1. The process of conditioning yarn composed of or containing an organic derivative of cellulose to render it more amenable to textile operations including knitting, weaving, spinning, and the like, which comprises applying thereto a lubricating and softening composition containing 1–10 decanol ditetrahydrofurfuryl ether.

2,234,722
YARN CONDITIONING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 21, 1938, Serial No. 247,099
13 Claims. (Cl. 28—1)

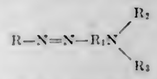
1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like, which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component an ester having the general formula:



where R^1, R^2, and R^3 are alkyl groups and n and a are positive integers not over six.

2,234,723
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH
Joseph B. Dickey and William H. Strain, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 11, 1939, Serial No. 298,958
13 Claims. (Cl. 260—156)

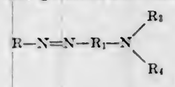
1. The azo compounds having the general formula:



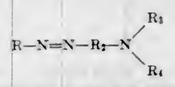
wherein R represents a member selected from the group consisting of an aryl nucleus of the benzene series, an aryl nucleus of the naphthalene series, an aryl nucleus of the azobenzene series, and an aryl nucleus of the benzene azo naphthalene series, R_1 represents a member selected from the group consisting of an aryl nucleus of the benzene series, and an aryl nucleus of the naphthalene series, R_2 represents a member selected from the group consisting of hydrogen, an alkyl group, a hydroxyalkyl group, an alkoxyalkyl group, an alkylene group, a cyclohexyl group, a phenyl group, and the group R_3, and R_3 represents a member selected from the group consisting of a pyridine nucleus joined to N by a nuclear carbon atom which is ortho, meta, or para to the nuclear nitrogen of the said nucleus, and a pyridine nucleus joined to N through a carbon atom of a short chain hydrocarbon group which is ortho, meta, or para to the nuclear nitrogen of the said nucleus.

2,234,724
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 18, 1939, Serial No. 300,028
10 Claims. (Cl. 260—155)

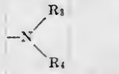
1. The non-sulfonated nuclear azo compounds selected from the group consisting of azo compounds having the general formulae:



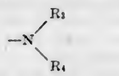
and



wherein each R represents a benzene nucleus, R_1 represents a quinoline nucleus attached to the azo group through a nuclear carbon atom in position 5, the said quinoline nucleus having the group



attached to a nuclear carbon atom in position 8, R_2 represents a quinoline nucleus attached to the azo group through a nuclear carbon atom in position 8, the said quinoline nucleus having the group

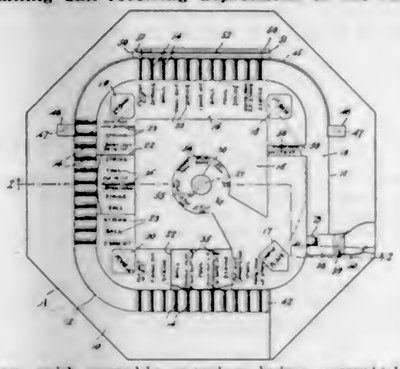


attached to a nuclear carbon atom in position 5, and wherein each R_3 represents a member selected from the group consisting of a hydroxyalkyl group, a sulfoalkyl group, a sulfatoalkyl group, a phosphoalkyl group, and a phosphatoalkyl group, and each R_4 represents a member selected from the group consisting of hydrogen, an alkyl group, an alkylene group, a phenyl group, and a member selected from the group R_3.

2,234,725
GAME DEVICE
Carl F. Doerr, Jamaica, N. Y.
Application April 8, 1940, Serial No. 328,467
7 Claims. (Cl. 273—93)

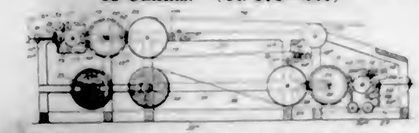
1. A baseball game including in combination a game board having a raceway formed with longitudinally spaced ball receiving depressions and along which raceway a ball is adapted to be projected, a fixed member carried by the game board adjacent the raceway and having groups of indicia representing plays of the game respectively registering with certain of the ball receiving depressions, a movable member disposed beneath the fixed member and having groups of indicia representing plays of the game, the

indicia of one group being different from that of another and the indicia of each group being adapted for respective registration with the remaining ball receiving depressions of the race-



way, said movable member being mounted to selectively dispose the groups of indicia thereon adjacent the raceway for registration of the indicia of each group with the ball receiving depressions.

2,234,726
ROTARY PRESS
Philip A. Frazier, Oak Park, Ill.
Application May 24, 1937, Serial No. 144,345
18 Claims. (Cl. 101—220)



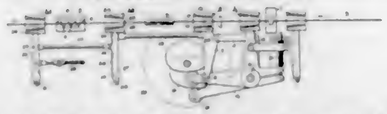
1. In a printing couple in a rotary printing press, the combination of an impression cylinder carrying and yieldingly supporting material to be printed upon, and printing plates carried on a second cylinder and having a relatively greater yielding support than said material carried on said impression cylinder.

15. In a rotary web printing press, a frame in which a plurality of plate cylinders may be removably mounted in varying positions, the plate cylinders so mounted at any one time being all of the same circumference but exchangeable with other plate cylinders of a different circumference, a web caused to traverse a path contacting in succession each of said plate cylinders, and means of varying the path of said web so that the length of web extending along said path between contacting points of any successive pair of said plate cylinders shall be a substantially exact multiple of the circumference of said plate cylinders.

2,234,727
METHOD OF APPLYING LIQUID FILMS IN PRINTING
Philip A. Frazier, Oak Park, Ill.
No Drawing. Application May 6, 1938, Serial No. 206,401
15 Claims. (Cl. 101—426)

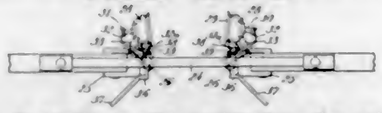
4. In letterpress printing, the method of printing which includes the step of applying to printing ink, just prior to the transfer of said ink to the printing surfaces, a suspension in the form of a finely divided spray, portions of said suspension being non-miscible with said printing ink, and the rest of said suspension being miscible with said ink, the non-miscible portion being transferred by the ink to the paper to be printed upon, and the miscible portion of said solution being incorporated in said ink.

2,234,728
FEEDING AND STRAIGHTENING MEANS
Frederick W. Gaines, 3rd, Cleveland, Ohio, assignor to The Ajax Manufacturing Company, Euclid, Ohio, a corporation of Ohio
Application July 12, 1939, Serial No. 284,044
17 Claims. (Cl. 29—34)



1. A bar stock feeding mechanism comprising a driven primary feeding means for propelling bar stock at a predetermined speed along a predetermined path, a supplemental feeding means movable along a portion of said path beyond the primary feeding means in the direction of stock travel and including a gripping device operative when it is moved faster than the stock in the direction of stock travel to grip the stock sufficiently tightly for propelling the stock along said path and for preventing turning of the stock, and means for driving the supplemental feeding means at a slightly slower rate of speed than said predetermined speed and while the primary feeding means is being driven, whereby, upon passage of the trailing end of the stock beyond the primary feeding means, the supplemental feeding means automatically becomes operative to propel the stock and prevent the stock from turning.

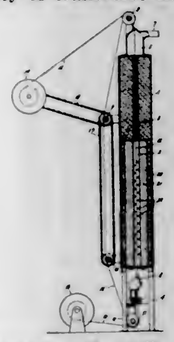
2,234,729
EYEGLASSES
José Leandro Montalvo-Guenard, Ponce, P. R.
Application June 28, 1939, Serial No. 281,587
3 Claims. (Cl. 88—48)



1. In eyeglasses, the combination of a pair of lenses, a bridge connecting the lenses, a strap connected to each lens, a metallic cup-shaped member rigidly attached to each strap and lying at one side of the plane of the lenses, a rubber cup within the member having a rim lying exposed at the open end of the member, a plunger having a shank projecting through an opening in the member and an enlarged head within the member in engagement with the cup, and means engaging the shank of the plunger for moving the latter inwardly to effect partial collapse of the cup, said means including a lever pivoted on the strap and having an operating end lying at the other side of the plane of the lenses.

2,234,730
BAKING OVEN
Orin S. Haskell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 5, 1939, Serial No. 266,227
1 Claim. (Cl. 219—35)

A baking oven comprising a heat insulating structure open to the atmosphere at the top and bottom and forming a narrow heating chamber through which a column of heated air may ascend, means for moving a plurality of coated strands of wire vertically through said chamber and a plurality of transverse heat radiators ad-



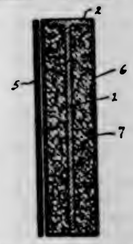
jacent the opposite side walls of said chamber and close to said strands, the radiators adjacent one wall being staggered with respect to those adjacent the other wall thereby increasing the turbulence of the heated air passing through the chamber and impeding the natural upward flow thereof.

2,234,731
STORAGE BATTERY ELECTRODE
Charles F. Haunz, Maywood, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application April 13, 1937, Serial No. 136,639
6 Claims. (Cl. 136—9)



4. A filling plate for the grids of lead-acid storage batteries, comprising oxides of lead and antimonial lead in filamentary form.

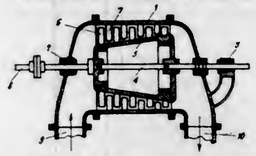
2,234,732
STORAGE BATTERY ELECTRODE
Charles F. Haunz, Maywood, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application April 13, 1937, Serial No. 136,640
4 Claims. (Cl. 136—53)



3. In an electric storage battery, an electrode

structure comprising a perforated, conductive, metallic envelope, means for making electrical contact with said envelope, and a packing in said envelope comprising a mixture of oxides of lead and filaments of antimonial lead.

2,234,733
COMPRESSOR OR PUMP OF THE ROTARY BLADES TYPE
George Jendrassik, Budapest, Hungary
Application July 5, 1938, Serial No. 217,503
In Hungary July 7, 1937
6 Claims. (Cl. 230—122)



1. In a multiple stage rotary compressor or pump comprising a rotor and a casing, a plurality of blade rings on the rotor alternating with a plurality of blade rings on the casing, the mean diameter of any blade ring being at least approximately equal to the average of the mean diameters of the adjacent blade rings, the blades of each ring having airfoil profiles and being positioned so that the value of the quotient composed of the tangents of the angles β_1 and β_2 should at least on one blade diameter along the blade length fall within the limits:

$$\frac{2}{1+3\frac{u_1}{u_2}} > \frac{\tan \beta_1}{\tan \beta_2} > 0$$

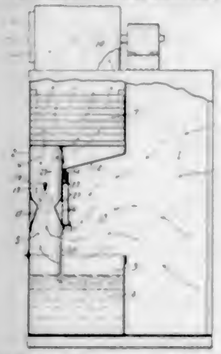
wherein β_1 and β_2 denote the angles formed at the outlet from the blade ring on the working face between the peripheral direction and the base line of the blade profile (e. g. the line traced tangentially to the working face of the blade profile) of any blade ring on the casing, and of the adjacent blade ring cooperating therewith on the rotor, respectively, u_1 and u_2 denote the corresponding peripheral velocities of these blade rings, the casing and the blades carried thereby being made rotatable in a direction opposite to the direction of rotation of the rotor.

2,234,734
INCORPORATING WATER-REPELLENT PIGMENTS IN VISCOSE
Hayden B. Kline, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application July 13, 1937, Serial No. 153,379
1 Claim. (Cl. 106—40)

The process of effecting the incorporation of a relatively large quantity of carbon black in viscose for the purpose of imparting a full black color to an extrusion product formed therefrom which process comprises the steps of preparing a concentrated aqueous solution of sodium cellulose xanthate of a consistency so high as to be impracticable for satisfactory spinning even after prolonged ageing; ageing the solution according to the customary ageing schedule without in the meanwhile diluting the solution, as by the addition of water, to a concentration approaching that at which the solution is ultimately to be employed; and, toward the end of the ageing schedule, introducing the desired large quantity of carbon black in the form of a

physical suspension thereof in a quantity of water sufficient to reduce the consistency of the solution for the first time from an impracticably high concentration to a concentration practicable for spinning.

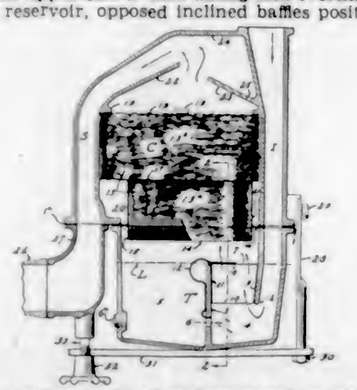
2,234,735
AIR CLEANING APPARATUS
Henry C. Lambert and Squire E. Garnsey, Toledo, Ohio, assignors to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application August 5, 1937, Serial No. 157,509
1 Claim. (Cl. 91—60)



In an apparatus for cleaning air, means forming an upwardly extending passage outwardly from an air source and forming in successive order away from such source a throat portion having a wall separating such throat portion from the air source, and an air expansion and baffling portion of considerably greater cross area than said throat portion, said means also having an inclined drainage plate beneath a part of said air expansion portion, and provided at its lower edge with a downturned lip, a trough at the upper edge of said wall portion receiving said lip adapted to have the liquid flow from the plate into the trough, then under said lip and then over an edge of the trough and down the side of said wall opposed to the throat and across the air inlet to the throat, means for creating a draft through said passage outwardly from the air source, and means for discharging liquid in spray-form into said throat.

2,234,736
AIR CLEANER
Carl B. Larsen, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application May 25, 1938, Serial No. 209,890
7 Claims. (Cl. 183—15)

7. In an air cleaner a body portion constituting a chamber, a wall within the chamber spaced from the body to form an air intake passageway, a liquid sump engageable with the chamber and having a wall portion constituting an extension of the above-mentioned wall, said walls defining an air inlet passageway extending beneath the level of liquid in said sump, a dam in the sump positioned to divide the same into first and second liquid chambers, said dam extending approximately to the surface of the liquid within the sump, a reticulated element within the first chamber and extending between the said extension wall portion and said dam, spring means for removably retaining said reticulated element in place within said chamber, a diaphragm interposed between said chamber and said liquid sump and having an opening therein, a casing extending through said opening and upwardly into said chamber to form a liquid reservoir between itself and said chamber, a labyrinth pad in said casing, a passageway leading from said reservoir into said pad, a second pad in said chamber resting on the upper end of said casing and overhanging said reservoir, opposed inclined baffles positioned



above said second pad and arranged to influence the flow of air from approximately the middle of the upper pad, a precipitating surface positioned to receive air directed by said baffles and a suction passageway leading from the vicinity of said precipitating surface at a sharp angle to the direction of movement of air past said baffles.

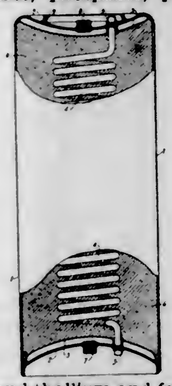
2,234,737
AUTOMOBILE RADIO ANTENNA
Arthur T. Mace, East Cleveland, Ohio, assignor to The Radiart Corporation, East Cleveland, Ohio, a corporation of Ohio
Application August 11, 1939, Serial No. 289,598
5 Claims. (Cl. 250—33)



1. In combination with an automobile body, an insulator, a metallic sleeve supporting said insulator, a nut secured to said sleeve and securing the latter and said insulator to said body, an antenna and means supported by said sleeve and coacting with said antenna to support the latter.

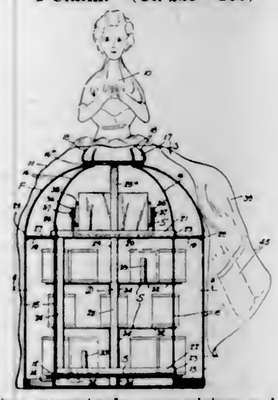
2,234,738
MEANS FOR STORING AND TRANSPORTING ANHYDROUS HYDROGEN CHLORIDE
Aylmer H. Maude, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
Application January 9, 1940, Serial No. 313,104
18 Claims. (Cl. 23—246)

9. The method of delivering anhydrous hydrogen chloride at a distance from its point of origin which comprises forcing it into the interstices of an anhydrous material comprising a salt of the group consisting of cupric chloride, copper, lead, cadmium, silver, mercury, tin, bismuth and antimony sulphate, phosphate, phosphite, and



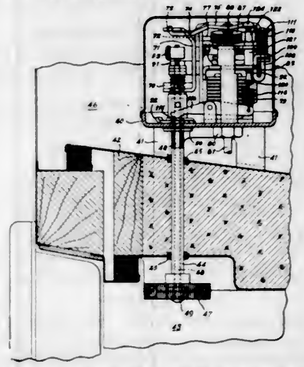
hypophosphite and thallium and ferric phosphate supported by porous material substantially inert with respect to said salt and hydrogen chloride, delivering said material at the point of use of the hydrogen chloride and releasing the hydrogen chloride from said material by application of heat thereto.

2,234,739
SEWING RECEPTACLE
Julia V. Murrell, Santa Monica, Calif.
Application September 25, 1939, Serial No. 296,357
1 Claim. (Cl. 223—106)



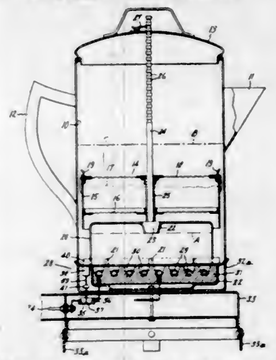
A sewing receptacle comprising a base member, a skeletal frame mounted on the base member, a post secured to the base member and embraced by the frame, a reinforcing car connected to and extending across the upper end of the frame, the upper end of the post being mounted in the reinforcing bar, a plurality of spool holders mounted on the post, each spool holder consisting of a hub portion having a central opening, arms extending radially from the hub portions, a sleeve connected to and depending from each hub portion at the central opening thereof, said sleeves rotatably mounting the holders on the post at various horizontal levels, upstanding pins on the free ends of the arms for receiving spools, the arms of each holder being of substantially the same length, the holders being independently rotatable of each other so that the arms of a holder at a lower horizontal level may be positioned in vertical planes midway between the arms of a superimposed holder, the free ends of the arms being spaced apart a sufficient distance so spools supported on the arms of a holder at a lower horizontal level may be readily removed from or replaced on said arms between the spaced arms at the next higher horizontal level.

2,234,740
REFRIGERATING APPARATUS
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 30, 1934, Serial No. 708,993
21 Claims. (Cl. 200—83)



1. A switch including means for opening and closing an electric circuit, a bellows, a bellows follower operated by the bellows, said bellows follower having an insulating portion thereon provided with notches, and snap acting mechanism cooperating with said notches for actuating said first mentioned means.

2,234,741
COFFEE MAKER
Otto R. Schurig, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application July 31, 1937, Serial No. 156,736. Divided and this application December 1, 1939, Serial No. 307,071
5 Claims. (Cl. 219—43)



4. A coffee maker and the like comprising an

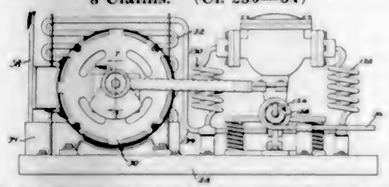
infusion receptacle, a coffee container within said receptacle, a bell in said receptacle supporting said container, the liquid under the bell being forced out from the bell when the pressure generated under the bell by the heating of the liquid in it attains a predetermined magnitude, the bell eventually rising due to its buoyancy as the water is forced out to carry the coffee container up through and out of contact with said liquid, locking means operating responsively to the movement of said coffee container by said bell to a predetermined elevated position automatically locking said coffee container in said elevated position, electric heating means for heating the liquid in said bell, and switch means operating to deenergize said heating means responsively to the upward movement of said bell.

2,234,742

REFRIGERATING APPARATUS

Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application April 28, 1937, Serial No. 139,557
8 Claims. (Cl. 230—34)



1. Refrigerating apparatus including a closed circuit incorporating a compressor, a condenser and an evaporator, said compressor incorporating an inertia-operated impeller, said evaporator being normally mounted in a fixed position, said compressor being yieldingly mounted and movable with respect to the remainder of the refrigerating system, and means for reciprocating the compressor independently of the evaporator for operating the impeller by inertia.

2,234,743

VULCANIZATION

David Spence, Monterey, Calif., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application November 11, 1936, Serial No. 110,305
15 Claims. (Cl. 260—773)

1. The method of vulcanizing rubber which comprises exposing substantially unvulcanized rubber to actinic light of an intensity at least comparable to direct sunlight in the absence of sulphur and sulphides and in the presence of a dehydrogenating agent having a quinoid structure which is activated by light.

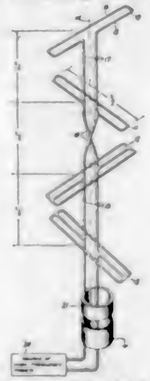
2,234,744

ANTENNA SYSTEM

Henry P. Thomas, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 26, 1940, Serial No. 358,487
9 Claims. (Cl. 250—33)

1. A directive antenna array comprising a plurality of linear antenna elements spaced apart from each other by substantially one quarter of a wave length at the operating frequency, adjacent elements being disposed in different mutually perpendicular planes, a pair of transmission line conductors extending between said elements,



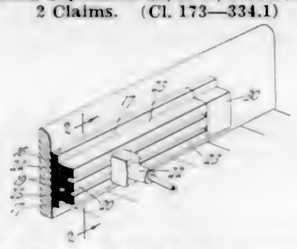
said elements being connected to said conductors at quarter-wave points along said line.

2,234,745

ELECTRIC CONNECTING DEVICE

Alexander von Rarrel, Hamburg, N. Y.

Application September 26, 1939, Serial No. 296,639
2 Claims. (Cl. 173—334.1)



1. An electric connecting device, comprising an elongated body member of flexible dielectric material formed with substantially parallel and interspaced prong grooves opening up into the exterior surface of the body, said body being also formed with grooves of circular cross-section in communication with the prong grooves, an interspaced, helically-formed bus bar mounted in each circular groove and extending into the adjacent prong groove, a connector plug having interspaced prongs for engagement with said prong grooves of said bus bars, each of said bus bars being smaller in cross-sectional diameter than the engaging circular groove and being so constructed and arranged that the immediate portion thereof engaged by said prong will be forced outwardly against the outer resilient surface of said groove, adjacent portions of said bar being flexed inwardly for firm prong-engaging contact with other plugs engaging such groove.

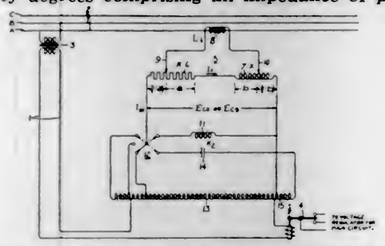
2,234,746

ELECTRIC CIRCUIT

Harry R. West, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application June 1, 1938, Serial No. 211,135
12 Claims. (Cl. 171—119)

4. In combination, a main alternating current circuit, an auxiliary circuit connected in shunt with said main circuit, a voltage drop compensator having a resistance element and a reactance element effectively connected in said auxiliary circuit, means for circulating a current in said compensator which is proportional to the current in said main circuit, and means for shifting the phase of the voltage of said compensator through a substantial angle of not less than thirty degrees comprising an impedance of pre-



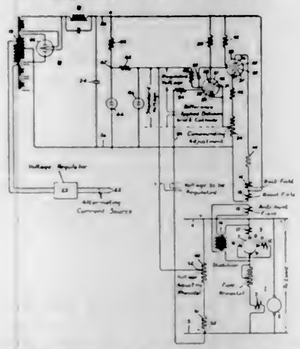
determined value connected in shunt with both said resistance and reactance elements of said compensator, the total effective value of said shunt impedance being subtsantially less than that of the primary circuit of a conventional potential transformer.

2,234,747

ELECTRIC REGULATOR

Frederick E. Crever and James R. Kilander, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application May 7, 1940, Serial No. 333,786
11 Claims. (Cl. 171—223)



1. In combination, a dynamo-electric machine comprising a field winding, means comprising a dynamo-electric machine of the armature reaction excited type for exciting said field winding and comprising a pair of field windings connected to develop opposing magnetomotive forces, a source of alternating current, a rectifier having a constant voltage direct current output circuit, voltage regulating means connected between said source and said rectifier, means connected across said output circuit and comprising a voltage divider including a resistance and a glow discharge device, means responsive to a predetermined controlling influence derived from said first mentioned dynamo-electric machine for controlling the resultant energization of said pair of field windings and comprising an electronic discharge device having an anode, a cathode and at least two control members, means for connecting one of said control members to said voltage dividers, and means for impressing between said cathode and the other control member a voltage which varies in accordance with said predetermined controlling influence.

2,234,748

PREPARATION OF HIGH EXPANSION ALLOYS

Reginald S. Dean and Clarence T. Anderson, Salt Lake City, Utah, assignors to Chicago Development Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 12, 1940, Serial No. 340,134
6 Claims. (Cl. 148—11.5)

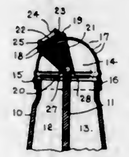
1. An alloy having a high coefficient of expansion resulting from a treatment comprising heating the alloy in the wrought state to a temperature between about 700 degrees C. and the melting point, followed by rapid cooling, said alloy containing from 50% to 85% manganese, from 2% to 35% nickel, and from 2% to 48% copper, the total of the manganese, nickel and copper comprising substantially 100%.

2,234,749

COMBINATION SALT AND PEPPER SHAKER

Lawrence Doucette, Venosta, Quebec, Canada

Application September 7, 1939, Serial No. 293,822
2 Claims. (Cl. 65—45)



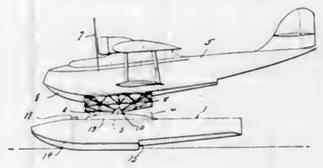
1. In a condiment dispenser as described, comprising a container having a dividing wall therein, forming two separated compartments, a semi-spherical cap threadably mounted thereon, apertures in said cap arranged over each of said compartments, outside closure means carried on a pivotal shaft arranged to selectively cover either of said apertures, and means retaining the closure in set position over said apertures, a movable partition carried by said shaft in fixed relation thereto arranged to prevent the contents of one compartment entering the other compartment when the dispenser is inverted, said partition having a resilient strip of material on the periphery thereof arranged to engage the inside surface of the cap.

2,234,750

LAUNCHING AIRPLANES FROM WATER

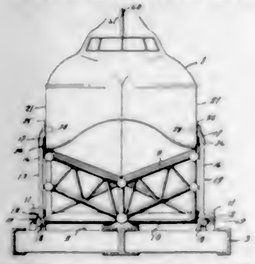
Reuben H. Fleet, William B. Wheatley, and Isaac M. Laddon, San Diego, Calif.

Application January 13, 1937, Serial No. 120,440
Renewed April 16, 1940
10 Claims. (Cl. 244—63)



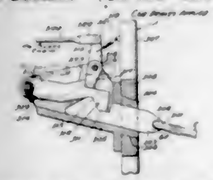
1. In a launching apparatus for the water launching of an airplane, a supporting boat, a pivoted cradle on the supporting boat on which the airplane is adapted to rest, a propelling boat, means linking the two boats, and propelling means in said propelling boat.

2,234,751
TAKE-OFF CONTROL AND METHOD
Reuben H. Fleet, William B. Wheatley, and Isaac M. Laddon, San Diego, Calif.
Application April 24, 1937, Serial No. 138,844
Renewed July 30, 1940
8 Claims. (Cl. 244—63)



1. A hold-down mechanism for holding an airplane to a launching vehicle comprising a pair of holding means carried by the vehicle, a pivoted element on each holding means adapted to fit in an aperture provided on each side of the nose of the airplane, and an electrical automatically operated trip for each pivoted element to move the pivoted element to release the holding means from the vehicle.

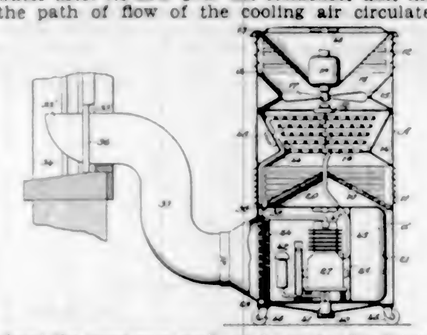
2,234,752
HOLDING DEVICE FOR AN AIRPLANE
Reuben H. Fleet, William B. Wheatley, and Isaac M. Laddon, San Diego, Calif.
Original application April 24, 1937, Serial No. 138,844. Divided and this application April 2, 1938, Serial No. 199,700
4 Claims. (Cl. 244—110)



1. A hold-back device for an airplane comprising a male member, a fastener for engaging the male member, a pivoted release member carried by the airplane for locking the fastener in engaging position, the release member being aligned in its locking position with the line of movement of the fastener, the zone of contact between the release member and the fastener extending substantially beyond said locking position in both an inward and an outward direction relative to the line of entry of the male member.

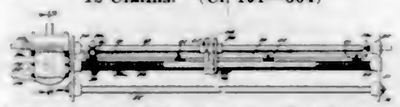
2,234,753
HEAT EXCHANGE APPARATUS
James S. Frazer, Earleville, Md., assignor, by mesne assignments, to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application October 24, 1932, Serial No. 639,353
13 Claims. (Cl. 62—140)

13. Heat exchange apparatus of the character described, comprising a refrigerative mechanism inclusive of evaporator, compressor and condenser units; means for the circulation of air to be cooled about the evaporator unit; means for the circulation of cooling air about the compressor and condenser units; means for directing water of condensation from the evaporator unit over the condenser unit; means for spraying water after its flow over the condenser unit into the path of flow of the cooling air circulated



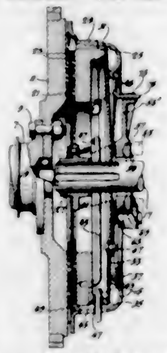
about the condenser unit; and a motor for driving said compressor and said spraying means.

2,234,754
INK FOUNTAIN MIXER AND AGITATOR
William Gegenheimer, Baldwin, N. Y.
Application November 25, 1939, Serial No. 306,075
12 Claims. (Cl. 101—364)



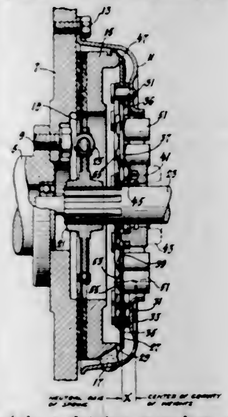
1. In a mixer of the class described for mixing, agitating and feeding ink or the like to a fountain feed roller, said mixer including a cone-shaped agitator member, said cone-shaped member being hollow, means included in said mixer for rotating said agitator member clockwise or anti-clockwise and means included for moving said agitator member to the left or to the right; a cone-shaped porcelain heat plate inserted into said cone-shaped agitator, electric heater wires wound around said cone-shaped heater member, said heater wires electrically connected to an electric circuit, said circuit including a conductor rail and a current feed roller for supplying current to the heater wire aforesaid.

2,234,755
CLUTCH THROW-OUT BEARING
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 3, 1939, Serial No. 265,726
7 Claims. (Cl. 192—68)



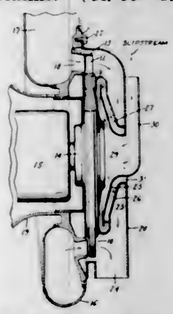
1. In a clutch, a first driving member, a second and axially movable driving member, a driven member, a spring acting on the second driving member whereby the driven member is gripped between the driving members, a throw-out bearing for said spring, said first driving member and said bearing having parts rigid therewith and interengaging to prevent relative rotation but to permit relative axial reciprocation and operable to center said bearing relative to said first driving member.

2,234,756
FRICTION CLUTCH
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 3, 1939. Serial No. 265,728
4 Claims. (Cl. 192—105)



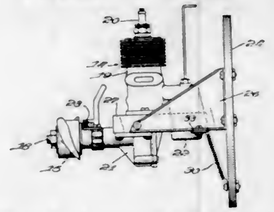
1. In a clutch, a driving member, a spring disc rotatable therewith and prestressed to effect clutch engagement, a plurality of weights secured to one side of said disc to increase, under the influence of centrifugal force, the pressure exerted by said disc.

2,234,757
COOLING ARRANGEMENT FOR GAS TURBINES
Albert E. Gibson, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application June 28, 1939, Serial No. 281,551
3 Claims. (Cl. 60—41)



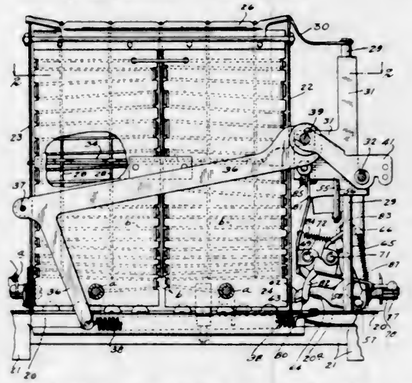
1. Gas turbine arrangement comprising a turbine wheel having a rim and a row of radial buckets secured thereto, an exhaust casing having a discharge opening and enclosing the discharge side of the turbine wheel to conduct gases issuing therefrom through the opening, and means located within the exhaust casing for cooling a central portion of the wheel comprising a cooling cap having an inner wall adjacent a central portion of the wheel to form a cooling space therewith, a conduit projecting through the casing for conducting cooling air to said space and an outer wall surrounding in spaced relation the inner wall and having an outer edge closely spaced with the rim and an inner edge connected to another opening of the casing to form a channel for discharging cooling air from that space into the atmosphere.

2,234,758
ENGINE MOUNTING FOR TOY AIRPLANES
Carl Goldberg, Chicago, Ill., assignor to Comet Model Airplane & Supply Company, Incorporated, a corporation of Illinois
Application June 14, 1940, Serial No. 340,611
9 Claims. (Cl. 46—78)



1. A mounting of the character described for the propeller of a toy airplane having a retractable under-carriage, including: a shaft on which the propeller is mounted; bearing means within which the shaft is rotatable; means supporting the bearing means for movement about a horizontal axis transverse to the axis of the propeller shaft; and yielding means normally maintaining the bearing means in such a position that the propeller shaft is substantially horizontal.

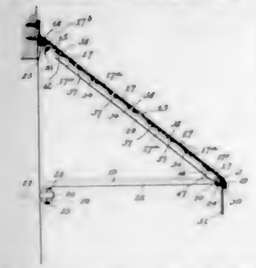
2,234,759
AUTOMATIC TOASTER
Maurice H. Graham, St. Louis Park, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application November 11, 1937, Serial No. 173,962
23 Claims. (Cl. 219—19)



1. A toaster comprising in combination, an

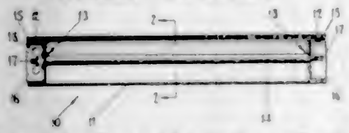
electric heating element, a control switch for the heating element biased to its open position, a latch for holding the switch in its closed position, a bimetal element, manually-actuable means for closing the switch and for effecting thermal energization of the bimetal element to cause it to warp in one direction, means actuated by the bimetal element in its travel in said one direction to effect thermal deenergization of the bimetal element and cause it to warp in the other direction and means operatively engaged by the bimetal element during its travel in the other direction and co-operating therewith to effect release of the latch and opening of the switch.

2,234,760
SHEET METAL AWNING
Louis Guarcello, Silver Creek, N. Y.
Application February 2, 1940, Serial No. 316,959
11 Claims. (Cl. 156—15)



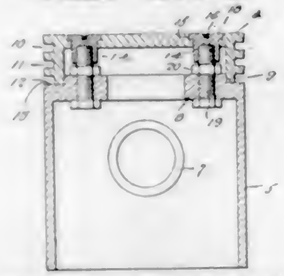
4. An awning, comprising a sheet-metal body portion provided with transversely-disposed slots spaced apart and equipped along one longitudinal side of each slot with a depending flange to prevent the rays of the sun entering a room protected by said awning, said body portion having means to attach the upper end of the same to a building, and means to brace said body portion to said building.

2,234,761
INTERCHANGEABLE STIPPLING ROLLER
Carnig A. Harpootlian, Brooklyn, N. Y., assignor to Modern Accessories, Inc., New York, N. Y., a corporation of New York
Application August 28, 1940, Serial No. 354,624
2 Claims. (Cl. 41—5.5)



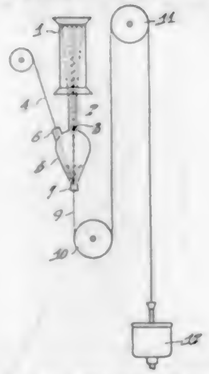
1. In an interchangeable stippling roller mechanism, comprising a tubular roller carrier, an axle, said roller carrier having dish-shaped and centrally apertured end members mounted therein and being rotatably mounted on said axle, each of said end members having a flange and being in interlocked relation with said roller carrier, said axle terminating short of the end faces of said roller carrier, said axle having threaded ends, a tubular stippling covering member having an internal diameter adapted to frictionally and removably engage said carrier, a handle having means for threaded attachment solely to one of said threaded ends of said axle, said roller carrier being thereby unobstructed at one end to permit quick removal and replacement of covering members of various lengths thereon, said end members being resilient in a direction transverse to said axle and thereby adapting said stippling roller to stipple uneven surfaces.

2,234,762
PISTON CONSTRUCTION
John L. Harrah, Akron, Ohio
Application April 1, 1939, Serial No. 265,518
1 Claim. (Cl. 309—15)



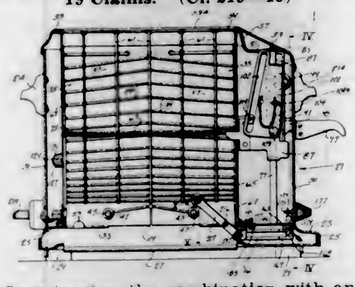
In a piston construction, the combination of a cylindrical skirt portion entirely open at one end and formed with a thickened wall at its opposite end, said wall being cut out at its upper peripheral edge to form an annular seat extending flush with the edge of the skirt portion and extending inwardly and radially therefrom, a hollow cylindrical head having a depending skirt formed with a plurality of circumferentially extending spaced ribs forming intermediate thereof piston ring receiving grooves, said depending skirt being adapted to rest on said annular seat in the thickened wall, the space below the lowermost rib and the upper surface of said seat forming a groove to receive an oil ring, and means carried by said skirt portion and detachable head for holding the head on said skirt portion.

2,234,763
CRIMPED THREAD
Franz Hoelkeskamp, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application August 20, 1937, Serial No. 160,094
In Germany August 22, 1936
4 Claims. (Cl. 18—54)



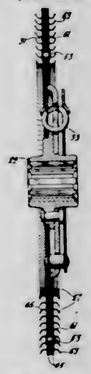
1. In a process for the manufacture of crimped yarn, the steps comprising extruding a cuprammonium solution into a coagulating bath to form an alkaline cuprammonium thread, and subsequently causing said thread to agglutinate with a finished thread in said bath.

2,234,764
ELECTRIC TOASTER
Murray Ireland, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application November 25, 1935, Serial No. 51,397
19 Claims. (Cl. 219—19)



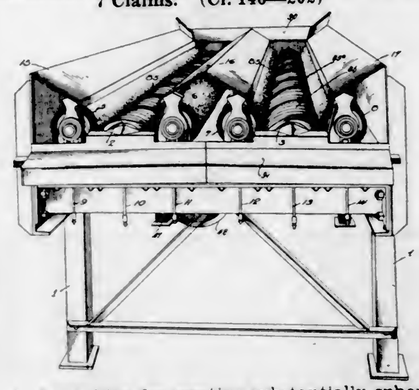
1. In a toaster, the combination with an electric heating element, a control switch for the heating element spring biased to open position and a latch for holding the switch in closed position, of means including a bimetal element for effecting release of the latch, manually actuable means for closing the control switch and latching it in closed position and for causing the bimetal element to be traversed by an electric current and warp in one direction, means actuated by the bimetal element in its movement in said one direction to electrically short circuit said bimetal element and cause it to move in an opposite direction and means operatively engaged by the bimetal element during its movement in the opposite direction and cooperating therewith to effect release of the latch and opening of the switch.

2,234,765
FRICTION CLUTCH
William J. Joyce, Jr., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 31, 1939, Seria' No. 265,100
8 Claims. (Cl. 192—107)



2. In a clutch, driving and driven members, a plurality of staples having their bases secured to one of said members and their legs extending toward the other member, said legs having their ends bent from the axis thereof, the point of bending being between the ends of the legs.

2,234,766
BRUSHING MACHINE FOR ROLLABLE OBJECTS
Mabry D. Kennedy and John Gordon Johnson, Orlando, Fla., assignors to American Machinery Corporation, Orlando, Fla., a corporation of Florida
Application February 28, 1939, Serial No. 259,059
7 Claims. (Cl. 146—202)

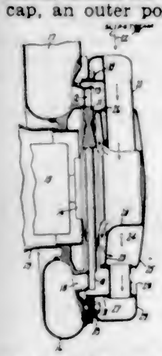


1. A machine for treating substantially spherical articles, which comprises a conveyor roll having a relative water-non-absorbing spiral feed surface for conveying the article along its length, and a brush roll lying substantially parallel to the conveyor roll and having an uninterrupted brushing surface spaced from the surface of the conveyor roll a distance substantially less than the diameter of the smallest article to be treated, and means for rotating said rolls at different peripheral speeds in the order of 10 to 50 R. P. M. for a conveyor roll of approximately eight and five-eighth inches in diameter and at least 500 R. P. M. for a brush roll of approximately six and one-half inches in diameter, the direction of rotation of the brush roll when observed from above being such that its surface moves away from the conveyor roll, said rolls being so positioned relatively to one another that, when lying substantially parallel in a substantially horizontal plane, their axes will be horizontally spaced and the centers of said substantially spherical articles of different sizes when in contact with both the brush and conveyor roll will lie substantially in a plane parallel to the conveyor roll and leaning toward the conveyor roll at an angle of between substantially 60° and 80° to the horizontal, whereby articles being treated will be supported by both the brush roll and the conveyor roll and bear predominantly upon the latter and not be carried over the brush roll.

2,234,767
COOLING ARRANGEMENT FOR GAS TURBINES
Anthony J. Larrecq, Beach Bluff, Mass., assignor to General Electric Company, a corporation of New York
Application June 28, 1939, Serial No. 281,554
4 Claims. (Cl. 60—41)

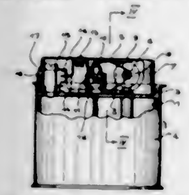
1. Gas turbine arrangement comprising a gas

turbine having an axial flow bucket wheel, a nozzle box located on one side of the wheel for conducting operating gases thereto, and a device for cooling and protecting the wheel located on the opposite side of the wheel and supported on the nozzle box, said device comprising a cap located adjacent and opening towards a central portion of the wheel, means for conducting cooling air to the cap, an outer portion of the cap



forming openings, a wall having a cylindrical portion of a diameter somewhat smaller than the minimum diameter of the turbine buckets and forming a space with the cooling cap to receive cooling air through said openings, and means for discharging the cooling air from said space comprising a channel concentrically spaced from said cylindrical wall and having an inner wall spaced from and surrounding the wheel.

2,234,768
FRICTION WHEEL LIGHTER
Hermann Maltner, Offenbach-on-the-Main, Germany
Application January 16, 1940, Serial No. 314,174
In Germany December 22, 1938
1 Claim. (Cl. 67—7.1)

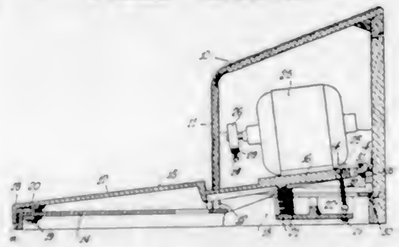


A friction wheel lighter including a fuel container recessed at one end to provide a top wall lying below the upper edge of the container, a flint guide, wick holder, and locking device, all carried by said top wall and within the recessed portion aforesaid, a pedestal including top, end, and side wall portions having the bottom edges of its end and side walls fitted in one end of the recessed portion of the container, a transverse spindle journaled in the opposite side walls of the pedestal and carrying a friction wheel lying above the flint guide, a cover of substantially U-shaped cross-section and including top and side wall portions, the rear ends of said side wall portions overlapping portions of the side wall portions of the pedestal and being secured to the latter by said transverse spindle, the front portion of said cover being bent downwardly to provide a relatively short front wall overlying the top of the locking device and the front portions of the side walls of the cover being cut away to provide clearance for the side of the locking device, said side walls of said cover being adapted to fit snugly within the recessed top portion of the container when the cover is closed to conceal all of the parts mounted therein, means carried by the inside face of the cover for cooperating with said locking device, an extinguisher cap carried by the inside face of the cover and cooperating with said wick-holder, and a coil spring carried by the said transverse spindle and having its end portions respectively engaging the bottom wall of the recess and the inside face of the cover.

2,234,769
HEAT TREATMENT OF CARBONACEOUS MATERIALS
Andrew McCulloch, Wilmslow, England
No Drawing. Application January 14, 1939, Serial No. 251,034. In Great Britain January 18, 1938
2 Claims. (Cl. 202—34)

1. In the preparation of a coke which is active for the preparation of carbon disulphide or suitable for the production of active carbon by known methods, heating a briquetted ground mass of carbonaceous material and sulphur or sulphur containing material in which the sulphur is able to react in the manner of free sulphur to a temperature of the order of 650° C. to 750° C., the sulphur content of the mass being of the order of from 1 to 5% thereof.

2,234,770
VIBRATOR
John F. Meyer, Chicago, Ill., assignor to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application October 28, 1939, Serial No. 301,742
2 Claims. (Cl. 128—33)

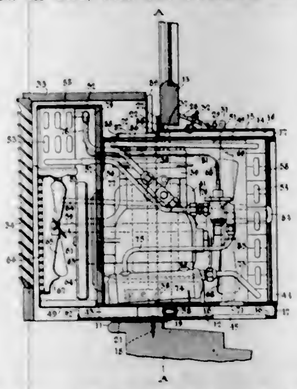


1. In a vibrating machine including a platform and electrically powered means for vibrating the same, the combination with said platform of a switch in circuit with said electrically powered means to control operation thereof, and switch operating means comprising a loop member attached to the platform to lie in a plane extending in the direction of movement of the platform, and a finger member for operating the switch and projecting from the switch into the loop to be moved by the latter responsive to movement of the platform when a weight is loaded on the platform, whereby to close the switch and energize said electrically powered means.

2,234,771
AIR CONDITIONER
Paul B. Moore, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application June 24, 1939, Serial No. 281,022
18 Claims. (Cl. 62—140)

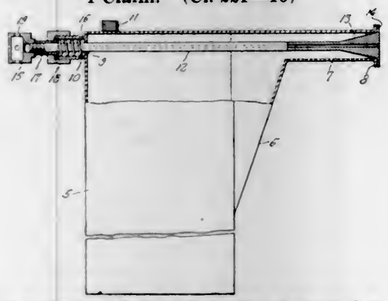
13. In a window mounted room air conditioner,

the combination of a casing subdivided and ported to afford a room air circuit path and an external air circuit path isolated from each other; a refrigerating circuit mounted in said casing and inclusive of condenser and evaporator, one mounted in one, and the other in the other of



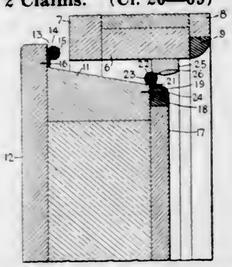
said air circuit paths; and a window board structure in which said casing is resiliently mounted as a whole with said circuit paths each having its entrance and exit on opposite sides of said window board from the entrance and exit of the other circuit path.

2,234,772
DISPENSING CONTAINER
Oddven S. Mossefin, Bemidji, Minn.
Application April 10, 1939, Serial No. 267,076
1 Claim. (Cl. 221—16)



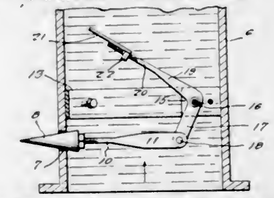
In a device of the character described a receptacle, a nozzle extending laterally from said receptacle, a substantially right angularly extending flange on the end of said nozzle, said receptacle having an opening through the wall thereof opposite said nozzle, a threaded tubular extension on said receptacle in axial alignment with said opening, a valve having a bore therethrough mounted in said nozzle, a flange on said valve in facial contact with said nozzle flange, a stem having a bore therethrough connected to said valve at one end portion and extending through said aperture and said threaded tubular extension at its other end portion with the bore of said stem in communication with the bore in said valve, a compressible coil spring in said threaded tubular extension engaged with said stem to releasably hold said valve in closed position, a hollow head on said stem for moving the same to compress said coil spring and unseat said valve flange from said nozzle flange, said hollow head further having apertures therein communicating with said bores in said stem and valve, and an internally flanged nut on said threaded tubular extension for holding said stem and coil spring in position.

2,234,773
SEAL FOR COLD STORAGE AND LIKE DOORS
Stanley A. Orcutt, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application March 6, 1940, Serial No. 322,591
2 Claims. (Cl. 20—69)



1. The combination of a door frame and cooperating door including portions on the door which overlap the frame when the door is closed; a compressible gasket mounted on one of said overlapping portions in position to seal with the other and yieldingly limit the closing motion of the door; means producing cooperating faces encircling the frame and door respectively, said faces being spaced from each other and substantially parallel with each other when the door is closed and of such obliquity to the closing path of the door that in the final closing motion when the faces are opposed one face moves toward and across the other; and a compressible strand gasket of normally circular cross-section and having a longitudinal projecting attaching web, said gasket being attached by said web along one of said cooperating surfaces and extending in a direction transverse to the closing path of the door; the diameter of the gasket strand being so chosen with reference to the spacing of the cooperating faces and the length of the path of relative motion when in contact with the gasket that the gasket will be rolled and compressed between the surfaces substantially without slippage on either surface and without overstress of said web.

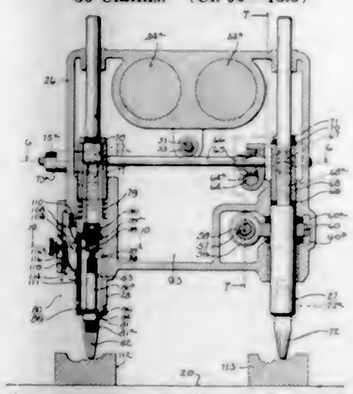
2,234,774
AUTOMATIC HYDRANT DRAIN
William Owens, Nevada, Mo.
Application May 17, 1940, Serial No. 335,864
2 Claims. (Cl. 137—152)



1. In a device of the class described, a casing for the passage of liquid having a drain port therein, a bellcrank lever pivotally arranged in the casing, a shank pivoted to one end of the lever, a conical valve adjustably connected to the shank and passing through the port, the

other end of the lever being screw-threaded, a plate and a nut attached to the plate and threaded on said threaded end of the lever, said plate causing the valve to close when acted upon by liquid passing through the casing and said plate dropping by gravity to open the valve when the flow of water through the casing is checked.

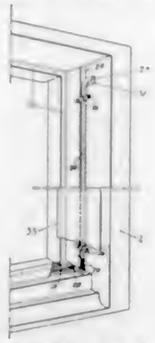
2,234,775
PROFILE COPYING MECHANISM
Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application July 18, 1938, Serial No. 219,747
39 Claims. (Cl. 90—13.5)



1. In a copying attachment for milling machines having a rotatable tool spindle, a reciprocable table and a main frame supporting said spindle and table, the combination of an attachment frame removably supported from said main frame, a rotatable supplemental tool spindle and a tracer member each supported from said attachment frame for unitary removal therewith and spaced apart in a direction transverse to the axis of the supplemental spindle, and means under the control of said tracer member for movement of said supplemental tool spindle and tracer member relative to said attachment frame in substantially mutually parallel paths transverse to the path of reciprocation of said table.

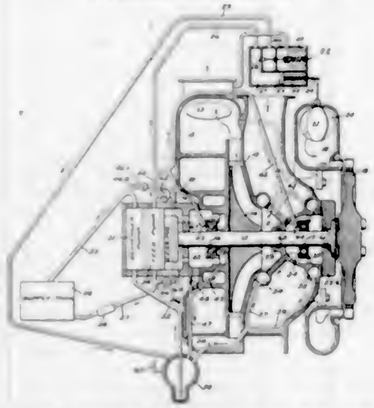
32. In a copying attachment for milling machines having a main frame together with a reciprocable table and a rotatable main spindle supported from said main frame for relative bodily movement of said table and main spindle in a direction transverse to the path of table reciprocation, the combination of an attachment frame removably supported from said main frame in a manner to participate in said relative bodily table and main spindle movement, a rotatable attachment spindle and a tracer member each associated with said attachment frame to participate therewith in said relative bodily table and main spindle movement, said attachment spindle and tracer member being spaced apart in a direction transverse to the direction of said relative bodily movement and each reciprocable in substantially mutually parallel paths transverse to the path of reciprocatory movement of said table, transmission mechanism for said tracer member and attachment spindle reciprocable movement including reverser means supported from said attachment frame and adjustable for forward and reverse direction effects, and means operable under the control of said tracer member for adjusting said reverser means.

2,234,776
LOCKING AND TIGHTENING DEVICE
Eric Sigfrid Persson, Malmo, Sweden
Application January 21, 1939, Serial No. 252,201
In Sweden January 20, 1938
10 Claims. (Cl. 292—45)



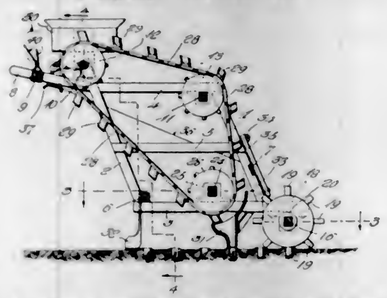
1. A locking and tightening device for windows and the like having a frame and a sash, comprising a rod or the like of non-circular cross-section mounted between said frame and sash, said rod extending along the joint between said frame and sash, and manually operated means for turning said rod in different directions about an axis substantially parallel to the rod to cause the outermost edges of the rod to engage and disengage the adjacent parts of said frame and sash, said rod in the former case keeping said window member in closed position and at the same time causing a tightening effect and, in the latter case, allowing the window to be opened.

2,234,777
LUBRICATING SYSTEM
Samuel R. Puffer, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application February 16, 1938, Serial No. 190,812
5 Claims. (Cl. 184—6)



1. The combination with a rotary machine having a rotatable shaft subject to varying angular positions during operation and bearings supporting the shaft, of an oil system for automatically supplying oil to the bearings comprising a supply tank, a feed pump having an inlet connected to the tank and an outlet connected to the bearings, a sump, branch conduit means connecting the sump to each bearing for receiving oil from the bearings in varying angular positions of the shaft, at least two branches of the conduit means being connected to opposite sides of each bearing, the connection on one side being at a lower level than the connection on the other side with the shaft in horizontal position, and a scavenger pump having an inlet connected to the sump and an outlet connected to the supply tank, both pumps being driven by the shaft and the scavenger pump having a capacity greater than that of the feed pump.

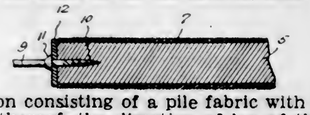
2,234,778
ONION PLANTER
Basil R. Redwood, Millville, N. J.
Application May 3, 1940, Serial No. 333,228
5 Claims. (Cl. 111—89)



1. A planter of the character described comprising a frame, a drive shaft rotatably mounted on said frame at the front thereof, a ground engaging drive wheel fixed to said shaft and having lugs extending radially from its periphery in spaced relation to each other circumferentially thereof for engaging the ground and forming a row of spaced seed receiving pits in the ground while turning to rotate the shaft, other shafts carried by said frame transversely thereof, toothed rollers carried by the last mentioned shafts, an endless carrier trained about said rollers and having a portion moving forwardly and downwardly back of the drive wheel as the planter is propelled forwardly, seed containers carried by said carrier and projecting outwardly therefrom and open at their outer ends, a spout back of the drive wheel having a flared upper end portion and disposed in position to receive seed from the containers and deposit the seed in the pits during movement of the carrier as the planter is moved forwardly, the flared upper end of the spout having a portion extending upwardly therefrom in position for engaging across and closing the outer ends of containers as the containers approach a dumping position over the upper end of the spout, and means for transmitting rotary motion to one of the second mentioned shafts from said drive shaft and imparting motion to the carrier as the planter is moved across a field.

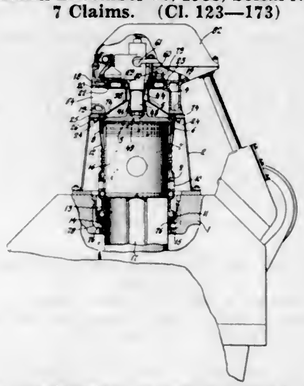
2,234,779
SCAVENGER ROLL
Eddie F. Rose, Maiden, N. C.
Application April 25, 1940, Serial No. 331,617
3 Claims. (Cl. 19—140)

1. A scavenger roll for spinning frames and the like comprising a wooden roller having end trunnions, and a textile peripheral covering adhesively applied to said roller, said covering comprising two sections extending from the longitudinal center of the roller to an end thereof, each cover-



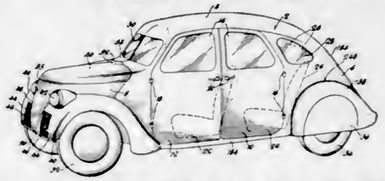
ing section consisting of a pile fabric with lay to the pile thereof, the direction of lay of the pile of each covering section being toward an end of the roller.

2,234,780
CYLINDER HEAD CONSTRUCTION
Edward V. Rippingille, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 16, 1938, Serial No. 246,053
7 Claims. (Cl. 123—173)



1. In combination, a cylinder head, a cylinder barrel with a water jacket, and an engine frame, said cylinder head comprising an inner portion, secured to the cylinder barrel, and a separate portion constituting an outer housing bolted to the engine frame, said inner portion extending through the outer housing and said outer housing being the sole means of holding said inner portion and said cylinder barrel with its water jacket in position on the engine frame between a single abutment on the outer housing and a resilient packing ring on the engine frame.

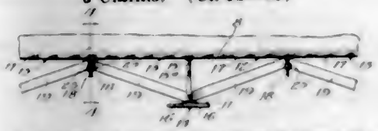
2,234,781
METAL AUTOMOBILE BODY
Eric Olle Schjolin, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 19, 1937, Serial No. 149,178
21 Claims. (Cl. 296—28)



1. In a metal automobile body, a cowl having a forwardly and downwardly inclined part, a forwardly extending nose having sides having complementary edges fitting against the inclined part and rigidly secured thereto, said nose extending

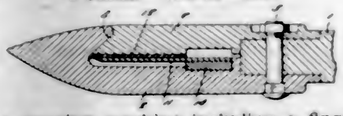
to the extreme forward end of the vehicle, fenders rigidly secured to the nose, one fender at each side, each fender having an opening at the front thereof, inwardly extending flanges at the edge of the opening, said flanges adapted to have grilles rigidly secured thereto, one grille for each opening.

2,234,782
FABRICATED METAL STRUCTURE
Wallace W. Smith, Chicago, Ill., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1939, Serial No. 263,516
3 Claims. (Cl. 61—45)



1. A structural metal tunnel-wall element comprising a rib portion having a flange and web, a plate portion connected between its opposite edges to said rib portion in spaced relation to said flange, said plate portion being of much greater width than said flange and extending at edge portions thereof beyond opposite lateral edges of said flange, and braces extending from said rib portion to said plate portion adjacent the outer edges of said plate portion.

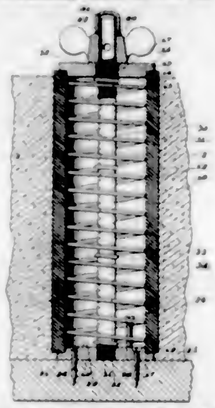
2,234,783
CUTTING MECHANISM FOR MOWING MACHINES
Charles J. Snow, Loudon, Tenn.
Application May 3, 1940, Serial No. 333,219
1 Claim. (Cl. 56—309)



In a mowing machine including a finger bar and a knife carrying bar, a guard finger including a lower section having a point forming part at its front end, the upper rear portion of the point forming an overhanging part having its sides tapering rearwardly and said overhanging part being of substantially V-shape in vertical section to provide upper and lower forwardly sloping walls, said lower section adjacent its rear end having a transverse recess therein through which the knife carrying bar passes, said finger guide also including an upper section having a tapered and substantially V-shaped recess therein for receiving the overhanging portion of the pointed part, the upper section having its lower face spaced from the upper face of the major portion of the lower section and said sections having rear portions overlapping the finger bar, a bolt for fastening said rear portions to the finger bar, a ledger plate connected to the lower face of the upper section and knives having their rear ends connected with the upper face of the knife carrying bar with the knives contacting the lower face of the ledger plate.

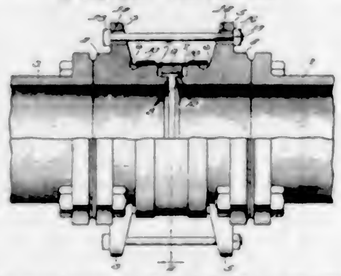
2,234,784
DEVICE FOR FORMING PASSAGES IN CONCRETE
William J. Stolz, Elyria, Ohio
Application September 23, 1939, Serial No. 296,301
4 Claims. (Cl. 25—128)

1. A device for forming passages in concrete structural work comprising an elastic sleeve around which concrete is adapted to be poured and which forms a passage in the concrete, a coil spring retaining said sleeve in extended po-



sition during the pouring and setting of the concrete, and means for expanding the spring against the walls of the sleeve for expanding the sleeve before the concrete is poured.

2,234,785
EXPANSION JOINT
Edgar B. Tolman, Jr., Chicago, Ill.
Application December 1, 1939, Serial No. 307,180
2 Claims. (Cl. 285—90)

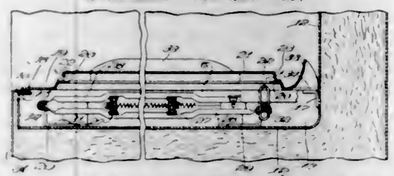


1. In combination with tubular members to be connected together in end to end relation and subjected to lengthwise expansion and contraction, adjacent ends of said members having recesses, an expansion joint for connecting said members together consisting of a flexible sleeve secured at its ends to the opposing end portions of said members and spanning the space between said members and surrounding said recesses, a tubular member between, and spaced from, said ends of said members and located in said sleeve, the ends of said last-named tubular member being recessed and rings extending into the recesses in said first-named tubular member and the recesses in said last-named tubular member.

2,234,786
TREATMENT OF BOILER FEED WATER
Ernest F. Walsh, Warwick, R. I., assignor to The Narragansett Electric Company, a corporation of Rhode Island
No Drawing. Application July 5, 1940, Serial No. 344,075
13 Claims. (Cl. 210—23)

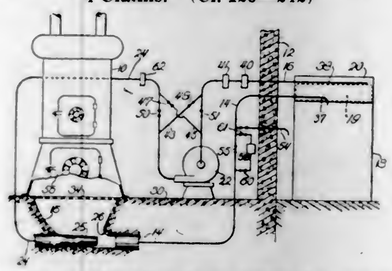
1. The process of softening water containing an alkaline-earth metal compound to produce soft water for use in steam boilers, which comprises adding to the water a phosphate material of the group consisting of the ortho-phosphates of the alkali metals to supply a phosphate radical in an amount sufficient to combine with all of the alkaline-earth metal present in the water upon complete reaction of the phosphate, and adding an iron compound which will produce iron ions in an amount not in excess of five parts per million by weight of the treated water but sufficient to act as a catalyst and cause complete reaction of the phosphate with the alkaline-earth metal and form a phosphate complex ortho-phosphate precipitate therewith.

2,234,787
ELECTRIC OVEN
George D. Wilkinson, Oak Park, and William D. Kelly, Western Springs, Ill., assignors to Cribben and Sexton Company, Chicago, Ill., a corporation of Illinois
Application November 3, 1938, Serial No. 238,690
2 Claims. (Cl. 219—35)



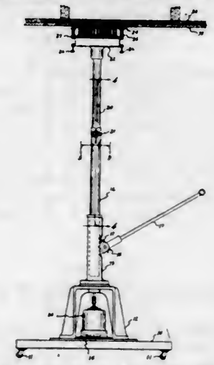
2. In combination with a range oven compartment provided along the inner sides thereof with supports spaced from the bottom of the compartment, a removable bottom wall resting upon said supports, said bottom being snugly fitted in said compartment with the edges of the bottom engaging the walls of the compartment, portions of said edges being pressed upwardly and inwardly out of engagement with said walls to provide peripheral openings between the bottom and the walls of the compartment, an electric resistance heater supported below said bottom and concealed thereby, and means for permitting heated air from said electric heater to be discharged into said oven compartment, said means including a centrally disposed opening in said bottom, and a plate substantially smaller than said bottom supported above said opening and providing between said plate and said bottom elongated air passes communicating with the central portion of the oven.

2,234,788
PNEUMATIC ASH REMOVER
John K. Williams, York, Pa.
Application September 7, 1939, Serial No. 293,828
4 Claims. (Cl. 126—242)



1. The combination in a device for removing ashes from a dwelling stove or furnace; of an ash pit having an exit opening, an air injector nozzle spaced from and discharging into said ash pit opening, an ash receptacle having a removable cover, a blower conduit discharging high pressure air to said nozzle and withdrawing low pressure air from the cover, filter means in said cover between the major portion of the receptacle and the withdrawing end of the conduit, and an intermediate pressure conduit conveying ashes from said exit opening through said cover to the receptacle.

2,234,789
ACOUSTICAL CORRECTION MACHINE
Milton S. Wunderlich, International Falls, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application December 15, 1938, Serial No. 245,873
2 Claims. (Cl. 144—110)



1. A drilling apparatus for perforating sound absorbing material in situ including a drill head having a cover plate, a plurality of drills operatively mounted in the drill head and passing through the cover plate, adjustable means for supporting the drill head, movable means for feeding the drills into work, a plurality of substantially U-shaped means mounted on said plate near the edges thereof for engaging the work during drilling for aiding in positioning the drills and limiting the feeding means, and means for driving the drills.

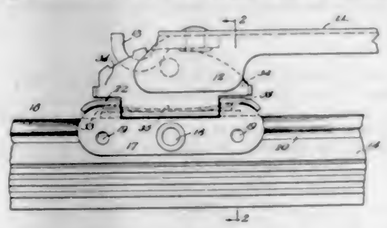
2,234,790
MUD WALL DISINTEGRATOR
Vernon B. Zacher, Ventura, Calif., assignor to Tidewater Associated Oil Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 13, 1939, Serial No. 256,237
8 Claims. (Cl. 166—21)

3. The method of removing a mud sheath from a bore which comprises adding weak acid and a salt in solution to the bore, said acid having a relatively inert nature relative to the bore casing but reacting relative to the mud sheath, and combining in situ with said salt to release an acid strongly reacting with constituents of said sheath, permitting the solution to remain therein for about ten hours, and removing the resultant solution from the bore.

2,234,791
CLIP FOR WINDSHIELD WIPERS
Max Zaiger, Swampscott, Mass.
Application July 23, 1940, Serial No. 346,943
4 Claims. (Cl. 15—250)

1. A connector for attaching a wiper arm to

a wiper blade, comprising a saddle fixed to the blade and a clip to which the wiper arm is removably connectable, the saddle having longitudinally spaced bridge members defining underlying pockets at its opposite ends, and the clip having spaced parallel sides and a base integral therewith, the base having projecting ends loosely received in the respective pockets beneath the bridge members, and the sides having projecting



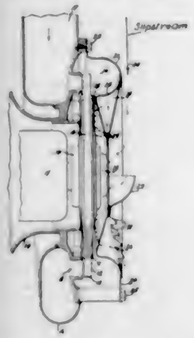
wings overhanging the respective bridge members, and a resilient member disposed between said sides and bearing on said base, said resilient member also extending into the respective pockets and bearing on the under side of said bridge members, thereby yieldingly to hold the parts in normal position while permitting relative angular movement therebetween when the blade is oscillated over the surface of a windshield.

2,234,792

COOLING ARRANGEMENT FOR GAS TURBINES

Wayne H. Allen, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application June 28, 1939, Serial No. 281,559
4 Claims. (Cl. 60—41)



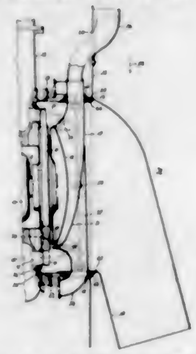
1. Gas turbine arrangement for aircraft comprising a bucket wheel with its axis of rotation substantially perpendicular to the direction of the slip stream, means including a nozzle box located on one side of the wheel for conducting operating gases thereto, and a device located on the opposite side of the wheel for protecting and cooling the wheel, said device having walls defining three chambers, a first chamber adjacent the leading portion of the wheel to effect lateral discharge of gases issuing therefrom, a second chamber adjacent the central portion of the wheel for receiving cooling air from the slip stream and a third chamber communicating with the second chamber and having a lower portion adjacent the trailing part of the bucket wheel for discharging cooling air into the atmosphere.

2,234,793

GAS TURBINE

Wayne H. Allen, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application December 14, 1939, Serial No. 309,234
4 Claims. (Cl. 60—41)



1. Gas turbine arrangement comprising a bucket wheel having a row of buckets, a nozzle box located on one side of the wheel and having a row of nozzles for directing operating gases towards the buckets, a protecting and cooling device located on the other side of the wheel and having a conduit for conducting cooling air to the wheel, means supporting the device on the nozzle box, and an exhaust casing for receiving gases discharged from the wheel enclosing said device and having an opening sealed to the conduit, said casing comprising a ring and a conduit flanged together and means detachably securing and sealing the ring to the nozzle box.

2,234,794

MEAT COVER

Paul Arzet and Gus O. Lorenz, Shelbyville, Ind., assignors to Kennedy Car Liner and Bag Company, Inc., Shelbyville, Ind., a corporation of Indiana

Application May 19, 1938, Serial No. 208,927
2 Claims. (Cl. 229—88)



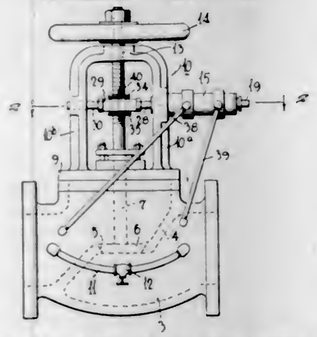
1. A paper bag having a reinforced closed bottom and substantially parallel edges extending from the opposite ends of said bottom, one of said edges being closed and materially less in length than the other of said edges, said other edge being open throughout its length, the top of said bag being closed for the greater part of its length and inclined inwardly at an obtuse angle from the upper end of said closed edge, the remaining part of said top being open and in communication with said open edge, the inclined part of said top being closed by stitching, and a binding cord secured between its ends to said stitching and adapted to extend around the upper part of said bag.

2,234,795

VALVE CONTROLLING MEANS

Robert J. Brown, New Orleans, La., assignor of one-half to Economy Iron Works, Inc., New Orleans, La.

Application September 28, 1940, Serial No. 358,912
14 Claims. (Cl. 277—53)



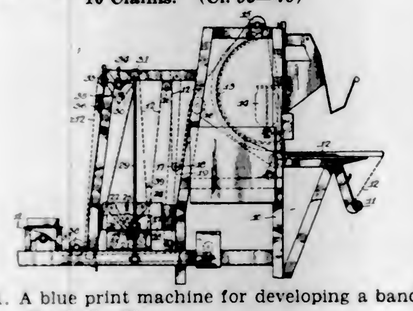
1. In a stop valve of the type having a body provided with a ported partition, a plug for closing the port in the partition, a threaded stem connected to the plug, and a valved by-pass connected to the body and extending from one side of the partition to the other, the improvement which comprises a toothed wheel turnable with the stem, the stem being axially movable relatively to the wheel, a cylinder mounted on the valve, a piston in the cylinder, a locking member actuated by the piston and provided with oppositely disposed sets of teeth adapted to interlock with the toothed wheel, and passageways connecting opposite end portions of the cylinder with the body of the valve respectively at opposite sides of said partition.

2,234,796

APPARATUS FOR MAKING LIGHT SENSITIVE PRINTS

Harold J. Brunk, Chicago, Ill., assignor to The C. F. Pease Company, a corporation of Delaware

Original application March 14, 1935, Serial No. 11,142. Divided and this application January 21, 1939, Serial No. 252,203
10 Claims. (Cl. 95—75)



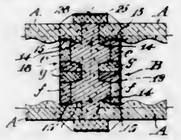
1. A blue print machine for developing a band of paper coated with light-sensitive material comprising, a frame, a plurality of rollers mounted in said frame under one of which said band of paper passes upside down with its uncoated side in contact with said roller, means for directing a spray of liquid against said roller whereby the latter moistens the back of said paper and whereby said liquid soaks through said band of paper and causes initial development of said light-sensitive material while the same is traveling away from said roller, and means associated with said frame for washing said paper subsequently.

2,234,797

SLAB CONSTRUCTION

Clarence M. Burner, South Laguna, Calif.

Application July 29, 1938, Serial No. 221,966
4 Claims. (Cl. 72—1)



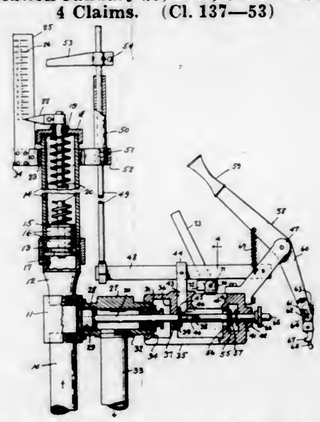
4. In a slab wall construction, a row of spaced slab units arranged edge to edge with adjacent slabs spaced apart at their contiguous edges to form a gap therebetween, said slabs being formed with longitudinally extending channels spaced inwardly from but adjacent to the edge margins thereof and on the inner faces thereof forming ribs along the inner marginal edges of the slabs, and a molded column or beam extending over and into the gap between adjacent slabs and overlying said ribs and extending into said channels.

2,234,798

MUD LINE PRESSURE CONTROL VALVE

Samuel W. Craig, Stafford, Kans.

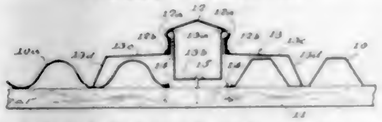
Application January 29, 1940, Serial No. 316,251
4 Claims. (Cl. 137—53)



2. In a mud line pressure control, a cylinder having an inlet adapted for connection to the upper end of a mud line, a piston in said cylinder, a piston rod carried by said piston and extending through the end of said cylinder remote from the inlet, a lateral escape communicating with the end of the cylinder adjacent the inlet, a valve controlling the flow of material through said escape structure, a latch member normally holding said valve closed, and means operated by said

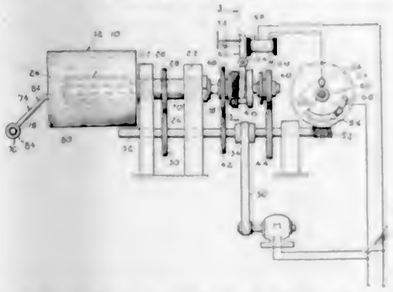
piston rod to release said latch member whereby the valve opens under pressure from the inlet, said last means including a trip lever connected to said latch member, a rocker beneath said lever to tilt the same, and manually operable means to actuate the rocker.

2,234,799
ROOFING OR LIKE STRUCTURE
Sidney Lanier Eason, Charleston, S. C.
Application November 24, 1939, Serial No. 305,819
4 Claims. (Cl. 108—13)



1. In a roofing or surfacing structure including covering sheets disposed in marginal adjacency over surface to be protected and having their margins disposed as substantially flat edges lying in the plane of the surface to be protected, a joint comprising a walled valley piece having its bottom nailed down, lateral aprons on the valley walls having downturned edges retentively contacting marginally spaced sheet surfaces, and a longitudinal cap interengaging the valley wall exteriorly in sealing relation to the nailing of its bottom.

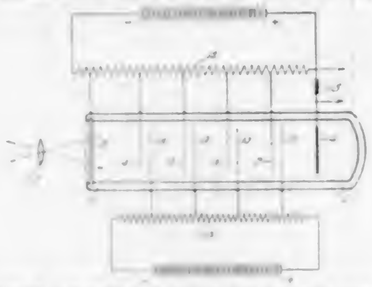
2,234,800
METHOD OF AND APPARATUS FOR WINDING AND UNWINDING MATERIALS FOR DYEING AND FOR OTHER PURPOSES
Bertram J. Goldsmith, Neshanic, N. J.
Application November 29, 1938, Serial No. 242,904
8 Claims. (Cl. 8—151)



5. The method of treating fabric or other material wound in a roll mounted for rotation within a drum containing a dye or other liquid or fluid, said method comprising simultaneously rotating said drum and said roll in the same direction and at such different speeds, respectively, and in such direction in relation to the direction of the winding of material of the roll that the material unwinds from said roll and arranges itself in the form of a different winding in said drum.

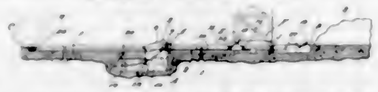
2,234,801
PHOTOELECTRIC TUBE
Paul Görlich, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application January 30, 1939, Serial No. 253,675
In Germany February 3, 1938
1 Claim. (Cl. 250—166)

An electron multiplier tube comprising within a longitudinal envelope, a photo cathode at one end and an anode at the other end of said envelope, a plurality of axially spaced secondary electron emitting grid electrodes in the space between said photo cathode and said anode, and a plurality of additional electrodes, one between each two secondary electron emitting grid electrodes and one between the last secondary electron emitting grid electrode and said anode, said additional electrodes being capable of destroying



the space charges created by the electron current between said secondary electron emitting grid electrodes and the last one of the latter and the anode respectively, said additional electrodes being spaced from their next preceding secondary electron emitting grid electrode a shorter distance than from their next following secondary electron emitting grid electrode and anode respectively.

2,234,802
DEVICE FOR OPENING AND CLOSING GATES
Bert Anthony Kinney, Marshall, Tex.
Application July 13, 1939, Serial No. 284,364
1 Claim. (Cl. 268—36)

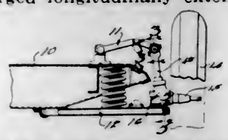


An opening and closing apparatus for and in combination with doors of a garage and a driveway having a cavity, said apparatus including a tread-plate over said cavity and hingedly connected across said drive-way; springs for normally holding said tread-plate in a door-closing position; rack bar and pinion means for said doors; a linkage assembly at opposite edges of the tread-plate operably connecting said tread-plate with said rack bar and pinion means; and when said tread-plate is depressed the linkage assemblies operate the rack bar and pinion means to swing the doors to open position and the doors are caused to swing to closed position when the springs raise the tread-plate; said apparatus including an anchor in said cavity to which one end of each of said springs is connected, the opposite ends of each of said springs being provided with a link element, said link elements being pivoted to said tread-plate; and an anchor disposed in said cavity beneath each of said springs and intermediate the ends of said springs and on which the springs rest.

2,234,803
INDIVIDUAL SPRINGING CONNECTION
John W. Leighton, Port Huron, Mich.
Application November 2, 1938, Serial No. 238,457
16 Claims. (Cl. 280—96.2)

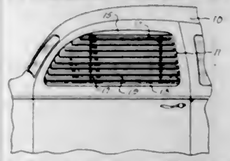
1. In an individual wheel springing, a link, an upright wheel supporting member a threaded

element rigidly fixed to the outer end of the link and having its axis extending longitudinally of the vehicle, a second threaded element having threaded pivotal bearing engagement with the first element, said wheel supporting member having an enlarged longitudinally extending open-



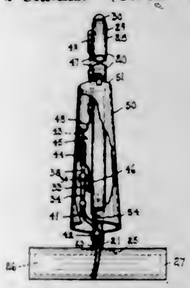
ing receiving the second element, and means in said opening for adjustably clamping the wheel supporting member to the second element but being adjustable to allow adjustable tilting of the wheel supporting member in a direction longitudinally of the vehicle.

2,234,804
BLIND
Julian W. Murray, Dallas, Tex.
Application August 22, 1938, Serial No. 226,020
17 Claims. (Cl. 156—17)



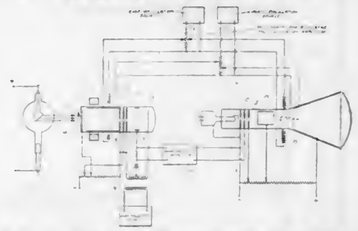
1. A blind for a motor vehicle window frame including, a bar mounted on the upper sill of the frame, a similar bar mounted on the lower sill of said frame, rigid guide rods extending between the bars and fastened thereto, and a plurality of slats slidable on said rods.

2,234,805
WAXING TOOL
Clarence H. Parks, Omaha, Nebr.
Application August 23, 1939, Serial No. 291,551
2 Claims. (Cl. 91—25)



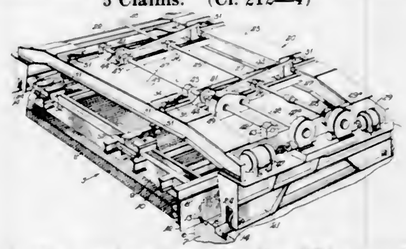
1. A waxing tool comprising a block, a pad secured to said block adapted to bear upon the surface of a floor or the like, an elongated handle having an end connected to said block, said handle being of tubular construction adapted to contain a supply of liquid wax therein and provided with an outlet adjacent said connected end, a flexible conduit in communication with said outlet for directing wax onto said floor adjacent the medial portion of and at one side of said block, the other end of said handle being open, a valve for governing a flow of said wax through said outlet, a spring for causing said valve to normally remain closed, a pull rod or the like associated with said valve for opening the latter, a plug for normally closing said open end of said handle, and a check valve which is so constructed and arranged that air is permitted to enter said handle adjacent said plug through said check valve for permitting the liquid wax to flow outwardly of said outlet and said wax is prevented from flowing outwardly of said handle through said check valve.

2,234,806
METHOD OF ELECTRONOPTICALLY ENLARGING IMAGES
Martin Ploke, Dresden, Germany, assignor to Zeiss Ikon Aktiengeselischaft, Dresden, Germany
Application February 28, 1938, Serial No. 193,003
In Germany November 20, 1936
3 Claims. (Cl. 178—6.8)



1. In a method of electronoptically enlarging images of objects which comprises converting a light image of the object into an electron image, moving said electron image back and forth over a stationary aperture by subjecting said electron image to deflecting fields produced by a source of oscillations, and controlling by the electron currents passing through said aperture and which represent image points of said electron image the intensity of the electron beam of a Braun tube which reproduces an enlarged visible image of the object, the steps of adjusting the degree of enlargement of the reproduced image by varying the amplitude of the oscillations producing the deflecting fields for said electron image with respect to the amplitude of the oscillations producing the deflecting fields for the electron beam of said Braun tube, and varying the size of said stationary aperture in reverse proportion to the selected degree of enlargement.

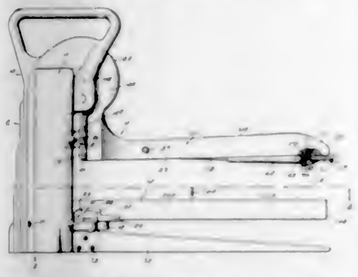
2,234,807
SOAKING PIT COVER HANDLING APPARATUS
Earl L. Raysor, Youngstown, Ohio, assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application December 1, 1938, Serial No. 243,364
5 Claims. (Cl. 212—4)



1. The combination with the lifting mechanism of a soaking pit trolley, of connecting means for operatively connecting the mechanism

with a pit cover, said connecting means including a pair of vertically disposed plates, a flange plate rigid with the lower edge of each vertical plate and forming therewith an inverted generally T-shaped connecting member for cooperating with a gripping member on the pit cover, and a rigid beam secured to said vertical plates operative to hold the connecting members in predetermined spaced relation and to maintain the flange plates thereof in the same plane in all positions of the lifting mechanism.

2,234,808
STAPLING MACHINE
Werner Schafroth, Philadelphia, Pa., assignor to International Staple and Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 15, 1938, Serial No. 240,460
58 Claims. (Cl. 1—49)



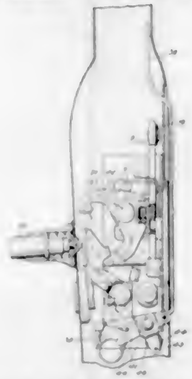
1. In a stapling machine of the character described, a pair of penetrating anvils mounted for operative movement, cam means associated with the anvils for guiding them in their operative movement, staple driving means for driving a staple onto the said anvils, and movable means for guiding said staple and protecting it from contact with said cam means during movement.

2,234,809
CAN LIFTER
Frank C. Silva, San Jose, Calif.
Application April 11, 1939, Serial No. 267,310
9 Claims. (Cl. 294—87)



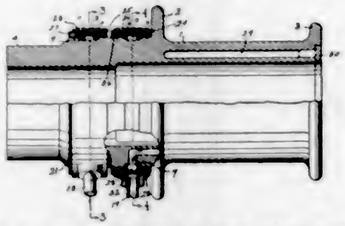
1. A can lifter comprising, a plate having parallelly disposed prongs extending from one face thereof and spaced to engage a can top at four points, two of said prongs being formed to liftably engage the end bead on the can, the remaining prongs being formed to engage peripheral portions of the bead to maintain the first prongs in liftable engagement with the bead, and at least one handle mounted on the other face of the plate and extending over and beyond the portion remote from the lifting prongs.

2,234,810
DOOR LOCK
Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 3, 1939, Serial No. 248,949
3 Claims. (Cl. 292—221)



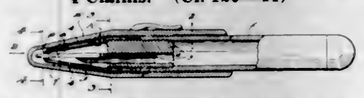
1. A door lock comprising a lock frame, a retractable bolt adapted to be retracted by a striker plate in the closing of the door, a rollback for said bolt, a positive connection between the rollback and the bolt whereby retraction of the bolt by the striker plate swings the rollback, a push button, and a shiftable connector between said push button and said rollback shiftable into set and released positions, said shiftable connector when released lying in the path of movement of the rollback whereby in the closing of the door the latch bolt upon being retracted acts through the rollback to shift the retractor to set position and thereby render the push button effective to retract the bolt.

2,234,811
CATHEAD DRUM
Bernice B. Smith, Bay City, Tex.
Application July 9, 1937, Serial No. 152,727
6 Claims. (Cl. 242—117)



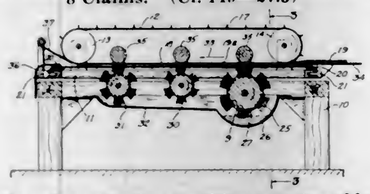
3. In a cathead, having a hub, stationary assemblies therearound, each assembly comprising a sectional channel shaped ring, a sectional band around each ring, means for securing the sections of the band together, packing within the band on each side of the ring, means for confining said packing, said confining means including an adjustable nut for regulating the compression on the packing, said cathead having a conduit therethrough for the circulation of a cooling fluid, the ends of said conduit terminating in the channels of said rings and an inlet and an outlet pipe connected into said respective channels.

2,234,812
FOUNTAIN PEN
John A. Snodgrass, Prescott, Ark.
Application August 15, 1940, Serial No. 352,683
4 Claims. (Cl. 120—44)



1. A fountain pen comprising an ink barrel, a plug member secured to the lower end of the barrel, said plug member having a tongue-like extension member disposed off-center or eccentrically of the plug member, and a recess in the plug member for seating a pen nib, said fountain pen including a tapered nipple secured over the said plug member, said tapered nipple having a piece of metal forming its lower end and provided with an aperture through which only the writing point of the pen extends, a tapered closure nipple engaged on the lower end of the barrel, apertures in the tapered closure nipple and said plug nipple for air entrance; said pen nib having a rounded writing point with a circular channel on the writing point, said channel communicating with the regular slit or channel in the pen point or writing element of the pen.

2,234,813
HATTER'S FUR CARROTING MACHINE
Julian F. Tomaino, Danbury, Conn., assignor of one-half to Kenneth Hassan, Danbury, Conn.
Application April 22, 1940, Serial No. 330,927
8 Claims. (Cl. 149—27.5)



8. In a fur carroting machine, a series of longitudinally extending wires, an endless conveyor on one side of said wires having a series of pins to penetrate the skin of a pelt on said wires to feed the pelt and hold it in position thereon, and rotatable brushing means on the opposite side of the wires to apply carroting solution to the fur of a pelt on the wires and to work said carrot into the fur.

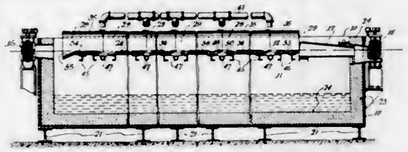
2,234,814
GOLF PRACTICE TARGET
Willis N. Weaver, York, Pa.
Application September 6, 1939, Serial No. 293,535
1 Claim. (Cl. 273—35)

In a golf target, the combination of an enclosed frame, fabric front means having grommets incorporated adjacent the edges thereof, pin means adapted to hold the said front means taut to the frame in cooperation with the said grommets, said front means being of relatively impressionable material adapted to temporarily retain the impression mark made by the impact of a golf ball but removable by slightly beating the surface of the material sufficiently to permit the superficial readjustment of the surface to its normal flatness, a secondary cloth attached to the frame in rear of the front and sufficiently adjacent thereto to receive and deaden a portion of the impact when in excess of a predetermined amount and reinforce the front means without materially affecting its impressionability, an external casing encompassing the said frame and forming a ground support therefor, a suspension member for supporting the frame above its central axis to the casing and permitting it to swivel and rotatably swing thereon under the impact of the golf ball, relatively weak springs connecting the frame to the casing to control the swing of the frame to a predetermined extent, a projecting rod extending from the lower portion of



the frame adjacent the vertical axis thereof, a cord attached to the rod, a spring attached to the casing and the cord to provide tension for the latter, the frame with front and secondary cloth thereon, a pulley mounted on the casing having the cord wound around same to actuate it, a ratchet and pawl mechanism connected with the pulley and casing to control the movement thereof in predetermined positions and indicating means mounted on the side of the casing and operated through the pulley.

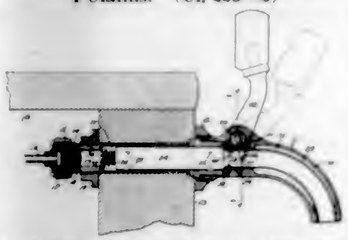
2,234,815
CONTINUOUS STRIP PICKLING AND CLEANING DEVICE
Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 20, 1939, Serial No. 310,132
6 Claims. (Cl. 266—3)



1. In combination, a pickling tank, and a trough through which the metal is adapted to pass while being pickled, extending along said tank, the side walls of said trough including a plurality of interengaging aligned side wall members constructed from a ferrous material impervious to the effects of acid in the pickling solution and to the abrasive action of the edges of the metal when passing through the pickling trough, the bottom of said trough including a plurality of spaced apart aligned bottom pieces engaging said side walls at their opposite edges and supported by said side walls and constructed from a relatively smooth non-scratching plastic material impervious to the effects of acid in the pickling solution, and transversely extending nozzles bridging the gaps between said bottom pieces, for conducting pickling fluid under pres-

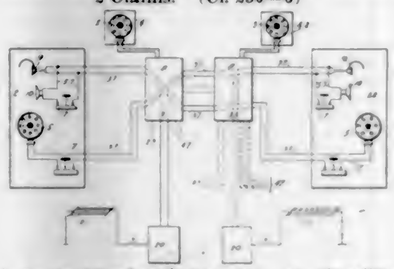
sure to said trough in the direction of travel of the metal therethrough, said nozzles being disposed beneath the tops of said bottom pieces.

2,234,816
FAUCET
John N. Anagno, Lynn, Mass.
Application June 3, 1939, Serial No. 277,146
4 Claims. (Cl. 225—6)



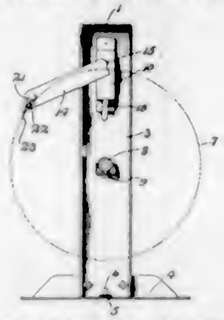
1. A faucet of the character described comprising a body made with a delivery conduit including an elongate valve chamber of relatively large cross-sectional area and into one end of which beer or the like is supplied under pressure; an outlet port at the opposite end of said chamber; a valve seat within said chamber surrounding said outlet port; an elongate valve member disposed wholly within said delivery conduit and made upon its exterior with bosses by which it is slidably supported independently and centrally within said chamber by the portion of said body surrounding said chamber so that it is movable longitudinally toward and from said seat and normally urged independently endwise against the latter by the pressure of the beer or the like to close said outlet port, the cross-sectional area of said valve member being predeterminedly less than the cross-sectional area of said chamber thereby to provide an elongate constricted pressure-reducing passageway through which the beer or the like is forced from the inlet end of said chamber to said outlet port when said valve member is shifted longitudinally away from said seat, and a rocker spindle independently supported by said body and provided with a radial arm projecting into said conduit so that it is operable to adjust said valve member axially away from said seat by abutting engagement with one end of said valve member thereby to open said outlet port when said spindle is rocked in one direction, said rocker spindle being provided with a handle disposed outside of said body by means of which it is operated.

2,234,817
SYSTEM OF PROGRAM TRANSMISSION
Albert B. Buffington, Baltimore, Md.
Application April 10, 1940, Serial No. 328,805
2 Claims. (Cl. 250—6)



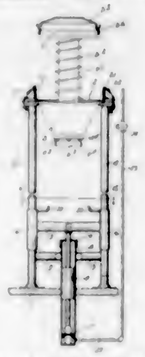
1. In a broadcasting system, a plurality of studios, means for broadcasting programs originating in said studios, at least one microphone in each of said studios, at least a first and second audio receiving means in each of the said studios, circuit means for connecting the said at least one microphone at each studio to the said means for broadcasting programs and to the audio receiving means in other studios of said plurality of studios, means for disconnecting the first audio receiving means from the said circuit means at will.

2,234,818
PAPER ROLL HOLDER
Elvah O. Bulman, Grand Rapids, Mich.
Application March 27, 1939, Serial No. 264,312
3 Claims. (Cl. 242—55.5)



1. A structure of the class described comprising, a support having spaced apart vertical posts, an arm pivotally mounted at one end on each of said posts, each of said arms adjacent its outer end having a substantially triangular shaped opening therethrough, a bar extending between the outer ends of the arms having projecting ends passing through said openings, said end portions being of narrower width than the distance between the sides of said openings, whereby the bar may have a limited rotative movement about a longitudinal axis, and a blade having a cutting edge at the lower edge of said bar, as specified.

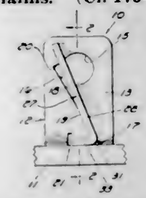
2,234,819
TOOL FOR DISASSEMBLING AND REASSEMBLING BRAKE HEADS AND PISTONS
Marion W. Butcher, Minneapolis, Minn.
Application July 15, 1940, Serial No. 345,585
8 Claims. (Cl. 29—84)



1. In a device of the kind described, spaced

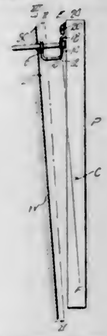
guide columns, a crosshead slidable on said columns, power means for reciprocating said crosshead, an internally grooved anchoring segment secured on the upper ends of said columns and adapted to receive the flange of a brake head such as described regardless of which side up said head is turned, and to hold said brake head aligned with the axis of a brake piston seated on said crosshead.

2,234,820
ELECTRICAL CONTACT MEANS
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Original application August 23, 1935, Serial No. 37,489. Divided and this application June 24, 1938, Serial No. 215,520
6 Claims. (Cl. 173—328)



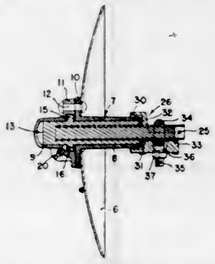
4. Receptacle means for holding a conductor terminal, including a mounting, a single planar wall member having a base portion located adjacent the upper surface of said mounting, said member having a terminal receiving aperture and a slot intersecting said aperture and a recess in its base portion communicating with said slot, biasing means having a portion projecting through said slot and intersecting said aperture and a portion locked within said recess.

2,234,821
PICTURE HANGER
Luther F. Duby, Kansas City, Mo.
Application June 12, 1939, Serial No. 278,621
4 Claims. (Cl. 248—29)



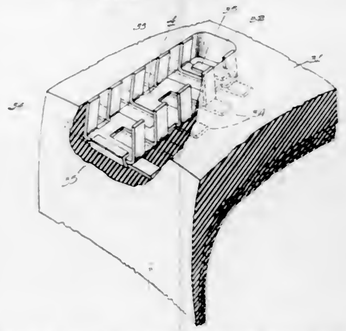
4. A picture hanger comprising a sheet metal bracket having spaced apart vertically disposed walls and adapted to be rigidly secured to a picture frame; a nail adapted to be partially embedded in a vertically disposed structural wall; an inverted V-shaped bearing formed at the edges of an opening formed through the vertical wall of the bracket adjacent said picture frame, adapted to receive the outer end portion of said nail whereby said picture frame is supported; and a notch formed in the upper edge of the other wall of said bracket adapted to engage the lower portion of the nail adjacent said wall whereby the picture frame is secured against movement to contact said structural wall.

2,234,822
BEARING AND METHOD OF MAKING THE SAME
Swan H. Forsberg, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 16, 1939, Serial No. 251,187
13 Claims. (Cl. 29—149.5)



6. The method of making a bearing member having a wheel receiving portion adjacent one end and a bracket receiving portion adjacent the other end, which method comprises casting iron around the outside of one end portion of a length of steel tubing to form a relatively thin walled bearing sleeve chilling the exterior portion of the cast iron around the outside of said portion of the tubing to form a bearing surface, filling the interior of at least a part of said end portion of the tubing with molten iron, and then cooling the tubing and the interior portion of the casting at substantially the same rate.

2,234,823
NONSKID TIRE
Frank B. Hewel, Pittsburgh, Pa.
Application March 17, 1938, Serial No. 196,333
11 Claims. (Cl. 152—211)



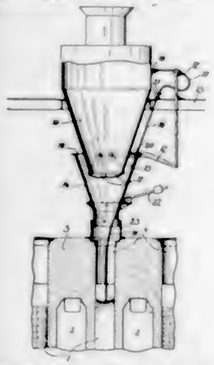
9. A tire tread having a recess with outwardly converging sides and a metallic channel-shaped insert secured to the base of said recess and having its side portions extending upwardly along and movable with the respective sides of the recess under various driving conditions, the outer ends of said side portions being normally disposed substantially flush with the tire tread surface.

2,234,824
BUSHING PULLER
Robert P. Kingston, Indianapolis, Ind.
Application February 6, 1939, Serial No. 254,861
3 Claims. (Cl. 29—88.2)



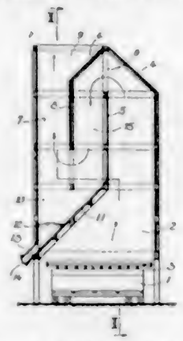
1. In a tool of the class described, a barrel having an uninterrupted cylindrical surface and formed to provide an annular foot, a shell fixedly mounted within said barrel and formed with a longitudinal slot therethrough, a sleeve reciprocably mounted within said shell and provided with a lateral projection seated in said slot, a stem journalled in said barrel and normally held against reciprocation with respect thereto, said sleeve and stem being operatively threadedly associated together, a stud removably mounted upon that end of said sleeve adjacent said foot and projectible beyond said foot, and an element threadedly mounted upon the projecting end of said stud and formed to provide a bearing surface facing said foot.

2,234,825
METHOD AND CONTRIVANCE FOR LEVELING THE COAL CHARGE OF COKE OVENS
August Koppers, Bochum, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application January 3, 1939, Serial No. 249,092
In Germany January 3, 1938
7 Claims. (Cl. 214—18)



1. In a method of charging a narrow coke oven chamber which involves filling coal into the chamber through a charging hole in the oven roof until the coal accumulates in the form of a cone in the charging hole thus obstructing free passage of gas from one side to the other of the charging hole over the top of the chamber charge to an offtake for gas in the oven roof, and leveling the coal in the top of the charge to remove the cone of coal and thus form a continuous free gas collecting space, the improvement comprising: effecting the leveling by blowing aeriform medium into the parts of the coal charge in the region of the cone of coal and thus force the coal in the region of the charging hole along the top of the chamber beyond the charging hole so that coal still contained in the charging hole falls downwards leaving a continuous free gas space under the charging hole and filling cavities in the top of the coal charge beyond the charging hole.

2,234,826
QUENCHING TOWER FOR COKING PLANTS
Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application July 21, 1939, Serial No. 285,658
In Germany July 22, 1938
3 Claims. (Cl. 202—227)



1. A quenching tower for coking plants or the like comprising a quenching chamber section in which the glowing coke charged into the quenching car is treated with quenching water, a dust cleaning chamber section arranged to one side of said quenching chamber section and communicably connected at its lower part with the quenching chamber section and at its upper part with an outlet discharge for the quenching gases and quenching vapours, and a dust collecting space section below the dust cleaning chamber section and communicating at its upper part with the lower part of the dust cleaning chamber section; and in which the communicable connection of the dust cleaning chamber section with the quenching chamber section is constituted of gas flow passage having means therein adapted to impart a sudden reversal in the direction of flow of the gases and vapors inducing a whirling centrifuging effect on the gases and vapours over the dust collecting space section as they enter the bottom of the cleaning chamber section from the quenching chamber section for flow thence through the cleaning section to its outlet discharge.

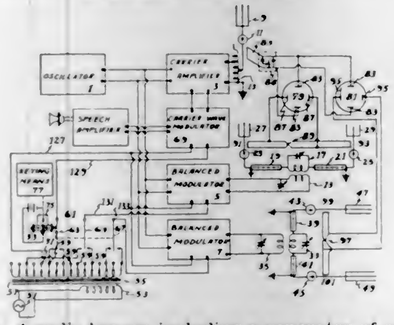
2,234,827
LEVELING BEAM FOR HORIZONTAL CHAMBER OVENS PRODUCING GAS AND COKE
Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application September 27, 1939, Serial No. 296,783
In Germany October 3, 1938
7 Claims. (Cl. 214—23)



1. A reciprocable leveling beam for horizontal chamber ovens or the like having longitudinal ledges in the upper part of the coking chambers, for supporting the leveling beam when pushed in the chamber, said leveling beam comprising: oppositely-spaced longitudinal side-bars, said side-bars being connected at spaced intervals therealong by cross-webs and being a depth substantially less than that required to sustain the beam in a horizontal plane when projected into an oven for leveling without supports therefor in the oven; a plurality of sledge-runners arranged at

spaced intervals along each of the side-bars; said runners being adapted to run on the longitudinal ledges therefor in the upper region of the oven chamber walls and being spaced along the beams so as to thereby support the beam from sagging under heat during leveling reciprocation in the ovens in such manner that side-bars of less depth than that required for sustaining the beam in freely projecting leveling relation in the absence of such runners may be used.

2,234,828
RADIO BEACON
David G. C. Luck, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1937, Serial No. 159,661
13 Claims. (Cl. 250—11)



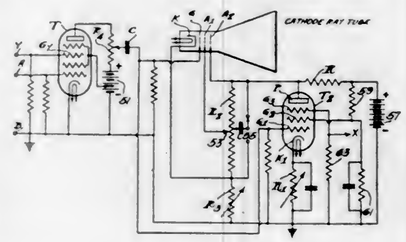
1. A radio beacon including a generator of carrier frequency currents, a nondirectional antenna, means for impressing said carrier frequency currents on said nondirectional antenna to thereby establish a uniform field, a pair of balanced modulators, a pair of directional antennas, means for impressing said carrier currents on said modulators, a source of modulation currents, means for impressing said modulation currents on said balanced modulators to obtain side band currents, means for impressing said side band currents on respective directional antennas to thereby establish a pair of intersecting modulated fields of figure 8 pattern, and selective means for alternately varying the amplitude of said modulation currents in accordance with a signal, to thereby determine the direction of lines of equal amplitude of said modulated fields.

2,234,829
LAMINATED GLASS
Harry T. Neher and Charles F. Woodward, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application September 16, 1939, Serial No. 295,252
6 Claims. (Cl. 49—92)

1. Shatterproof glass comprising at least one sheet of glass and a strengthening layer of a copolymer of vinyl alcohol and at least one member of the group consisting of acrylic and methacrylic esters, said copolymer containing from 1 to 15% by weight of polvinyl alcohol groups.

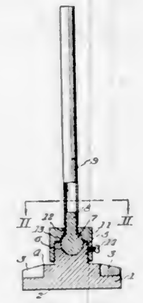
2,234,830
CATHODE RAY MODULATOR
Lowell E. Norton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1938, Serial No. 210,574
9 Claims. (Cl. 250—27)

1. In a cathode ray tube modulation device, a cathode ray tube including cathode and first and second anode electrodes, means for applying steady potentials to said first and second anode electrodes, means for varying the ratio of said potentials to focus said ray, and means for



applying modulation potentials to said anode electrodes and maintaining constant the ratio of the cathode to the first anode potential to the cathode to the second anode potential during the said applications of said modulation potentials.

2,234,831
TAMPER
Edwin R. Porter, Lock Haven, Pa.
Application March 21, 1939, Serial No. 263,147
1 Claim. (Cl. 306—7)

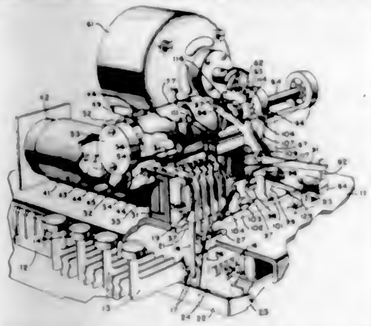


In an earth tamper comprising a massive tamper body having a tamper surface adapted to be impacted against the material to be tamped and a handle for operating said tamper, means comprising a ball and socket joint between said handle and tamper arranged to provide limited movement for frictionally coupling the handle to the tamping head to hold the head in relatively fixed position relative to the handle when the tamper is not in operation and providing for accommodation of the head to irregular surfaces to be tamped upon impact of the tamper head against the material to be tamped.

2,234,832
PHOTOELECTRIC TRANSMITTER
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 10, 1938, Serial No. 184,138
37 Claims. (Cl. 178—79)

1. In a telegraph transmitter adapted to be controlled by a keyboard device, a key lever operated selector mechanism, a plurality of light

shutters controlled by said selector mechanism, a photoelectronic impulse generator, and means



for scanning said light shutters to control said impulse generator.

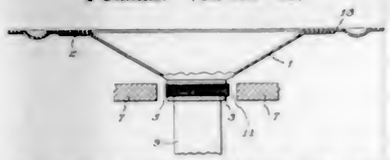
2,234,833

ACOUSTICAL APPARATUS

John Preston, Burlington, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 29, 1937, Serial No. 145,467

4 Claims. (Cl. 181—31)



1. In electroacoustical apparatus, the combination of means providing a magnetic field and including an air gap, a diaphragm having a voice coil form located in said air gap, and an annular mounting member for said diaphragm secured to the peripheral portion thereof, said mounting member being stiff in its own plane and relatively flexible in a plane normal to its own plane and being of a material which has an elastic limit greater than that of the material of said diaphragm, and said mounting member constituting the sole means for supporting said diaphragm and for retaining said voice coil form in said air gap in predetermined relation thereto.

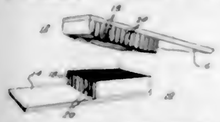
2,234,834

ELECTRICAL CONTACT

Howard Scott, Wilkinsburg Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 9, 1937, Serial No. 168,213

9 Claims. (Cl. 200—166)



1. An electrical contact member comprising in combination, a composite metallic body consisting of a plurality of strips of metal having good conductivity and a plurality of strips of refractory metal, the strips of good conducting metal and refractory metal being arranged on edge and alternately in substantially parallel relation to give a contact surface of alternate parallel strips of the good conducting metal and refractory metal, the refractory metal strips extending through the body to impart strength thereto and prevent deformation of the good conducting metal under impact, and means for uniting the alternate strips into an integral structure having a good electrical connection between the strips.

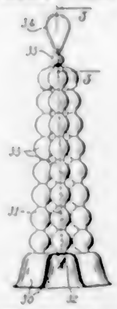
2,234,835

CHRISTMAS ORNAMENT

John R. Sexton, Meriden, Conn., assignor to J. R. Sexton Inc., Meriden, Conn., a corporation of Connecticut

Application April 9, 1940, Serial No. 328,708

4 Claims. (Cl. 41—10)



3. An ornament comprising a plurality of decorative strands, bell-shaped elements each having a perforation through which one of said strands passes, a bead secured to one end of each of the strands to hold the elements thereon, said beads being split and having the walls of the split portions clamped over the strands, and an ornamental member securing said strands together at a point remote from the bell elements, and the portion of a strand above said member being formed into a supporting loop.

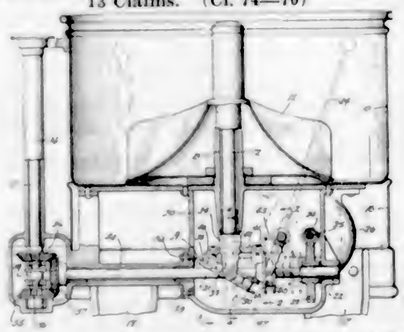
2,234,836

WASHING MACHINE

Carl R. Vick, Decorah, Iowa

Application September 28, 1936, Serial No. 102,898

13 Claims. (Cl. 74—70)



1. Drive mechanism for a washing machine having an oscillatory agitator shaft comprising, in combination, a drive shaft, a wobble plate mounted on said drive shaft and having a driving connection with said agitator shaft, means for adjusting the angularity of the wobble plate including a hand lever, and friction means tending to resist movement of the hand lever.

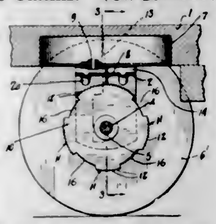
2,234,837

SOUND PRODUCING DEVICE FOR TOYS

Harold D. Allen, East Hampton, Conn., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn., a corporation of Connecticut

Original application June 6, 1939, Serial No. 277,569. Divided and this application December 5, 1939, Serial No. 307,606

9 Claims. (Cl. 46—111)



1. A sound producing mechanism of the character described comprising a substantially rigid body, a diaphragm inserted in said rigid body, a reed having one of its ends secured to said diaphragm, a disc having a series of alternate serrated and alternate smooth portions along its peripheral edge, the free end of the reed contacting the serrated portions of said disc when the latter is caused to be rotated.

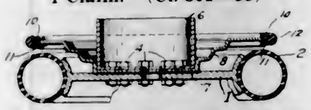
2,234,838

EMERGENCY SAFETY WHEEL

Alex Briskman, Baltimore, Md., assignor of fifty per cent to Albert H. Briskman, Baltimore, Md.

Application February 9, 1939, Serial No. 255,445

1 Claim. (Cl. 301—38)



In a safety wheel of the class described, in combination, a brake drum, a safety wheel having a central circular plate connecting with concentric axially stepped portions converging towards the axis thereof, an inner portion surrounding and peripherally resting on the edge portion of the drum adapted to coact therewith, the periphery of the plate having an integral flange thereon provided with a dove-tailed annular groove, a tire having a rounded road-contacting surface so held by the said annular groove portion as to be locked against explosions arising from blow-outs in the main tire located adjacent thereto and from being pressed out from the rim during the travel of the safety wheel on the roadway under the sudden reactions caused by the blow-outs, substantially as described.

2,234,839

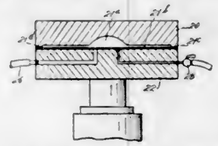
METHOD OF MAKING FLOOR COVERINGS AND THE LIKE

George N. Edwards, Willoughby, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio

Application December 17, 1934, Serial No. 757,865

3 Claims. (Cl. 18—56)

1. The method of making contoured vehicle floor mats from thermoplastic material which comprises molding and curing such material in substantially flat shape to provide a permanent design on a surface thereof, bringing cooperating mold members into clamping engagement with edge portions of the mat so as to form a fluid seal with the mat extending across a contouring recess provided in one of the mold members, and then applying heat and fluid pressure and causing a portion of the mat to be stretched and deflected into said recess whereby such portion is given a corresponding contour without substantially affecting the design previously imparted to the mat.



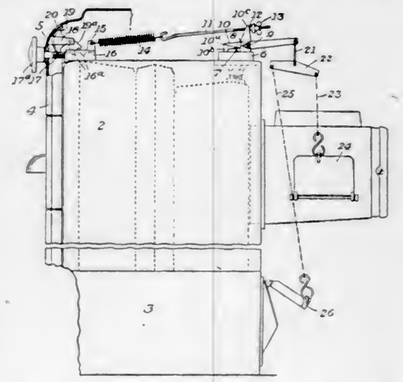
2,234,840

DAMPER REGULATING SYSTEM FOR FUEL BURNING APPARATUS

George F. Geis, Johnstown, Pa., assignor to William G. Heiner and C. Lawrence Evans, trustees

Application July 5, 1938, Serial No. 217,357

10 Claims. (Cl. 236—16)



1. Fuel burning apparatus having draft and check draft doors, one of which is biased to move to a closed position and the other of which is biased to move to an open position, an operating lever, an actuator responsive to heat generated in the fuel burning apparatus for operating the lever, an equalizer connected with the lever to be raised or lowered thereby, and a flexible operating connection between one door and one side of the equalizer, and a flexible operating connection between the other door and the other side of the equalizer.

2,234,841

MACHINE FOR SLITTING ROLLS

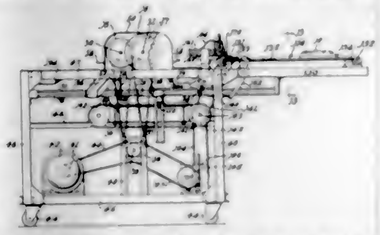
Raymon T. Holmes, Worcester, Mass., assignor to Worcester Baking Company, Worcester, Mass., a corporation of Massachusetts

Application May 24, 1939, Serial No. 275,422

15 Claims. (Cl. 146—98)

1. A machine for slitting rolls comprising a rotatable cutter disk arranged to slit the rolls and frictionally propel the same, a member movable in the same direction in advance of the rolls and propelled forward at the same rate by the rolls being slit and means for restraining the move-

ment of said member and causing the rolls and member to move during the entire sitting op-



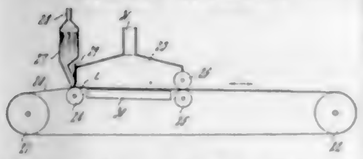
eration at a controlled rate determined by the force imposed thereon by the disk.

2,234,842

PROCESS FOR PRODUCING PERFORATE FILMS OR SHEETS

Hubert F. Jordan, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application August 22, 1939, Serial No. 291,307
6 Claims. (Cl. 18—57)



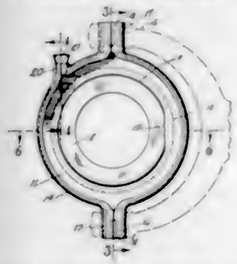
1. A process for producing a rubber film or sheet having a plurality of perforations therethrough comprising applying a latex composition on an air impermeable deposition backing having cavities or pits in the deposition surface thereof so as to entrap air between the latex coating and the backing in the said cavities or pits, and reducing the pressure on the exposed surface of the latex coating to cause the entrapped air to expand and force its way through the latex coating and concurrently drying or gelling the latex coating to form permanent perforations therein.

2,234,843

CLUTCH THROW-OUT BEARING

Morris Katcher, New York, N. Y.

Application March 12, 1938, Serial No. 195,442
7 Claims. (Cl. 192—98)



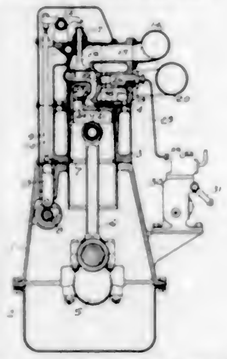
1. A clutch throw-out bearing comprising a bearing member and a container fastened thereon, said bearing member having its rear portion of larger outside diameter than its front portion, said container having an annular sheet metal body portion and an annular sheet metal disc cover member, said body portion having its rear contact the rear of the bearing member and its side extend forward over the side of the bearing member, said cover member fitting over the bearing member on its front portion and held against the shoulder formed on the bearing member at the junction of its portions of larger and smaller diameters, said body portion having the forward end of its side bent over the edge of the cover member and in tight contact with the forward face of said cover member for holding the latter tight against said shoulder and the rear of the body portion tight against the rear of the bearing member.

2,234,844

INTERNAL COMBUSTION ENGINE

Courtney N. Mitchell, Strongsville, Ohio

Original application April 30, 1928, Serial No. 274,133. Divided and this application June 25, 1938, Serial No. 215,750
3 Claims. (Cl. 123—32)



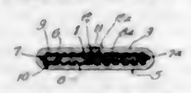
1. In an engine of the type described, a cylinder, a piston operating in said cylinder, a large combustion chamber, and a small combustion chamber, the piston having a projection adapted to enter the small combustion chamber to substantially isolate said chamber from the large combustion chamber during a part of the stroke of the piston to provide a substantial difference in pressure of gases in the two chambers, a valve controlling a flow of the gases, said valve being substantially coaxial with the aforesaid projection, means for establishing a passage between the combustion chambers before the completion of the aforesaid stroke to equalize the pressures in the two chambers by a sudden flow of a stream of the gases through the passage, and an injector disposed to inject fuel into said stream substantially at the time of maximum velocity of gases through the passage, the fuel being directed across the space between the projection of the piston and the aforesaid valve.

2,234,845

MEANS AND METHOD FOR JOINING ABUTTING EDGES OF COATED FABRIC

Hyman Silverstein, Brooklyn, N. Y.

Application November 23, 1938, Serial No. 242,007
3 Claims. (Cl. 154—42)



1. The herein described method of joining and

sealing parallel opposed edges of a fabric strip coated on the outer surface thereof, which comprises first folding edge portions of said strip of coated fabric onto the inner surface of the central portion thereof to arrange the uncoated surfaces of the strip one upon the other with said edge portions in the same plane and with the edges of the strip in closely adjacent relationship, securing inner adjacent surfaces of the folded strip together, then applying longitudinally of said adjacent edges a fluid cement compound having a base similar to the base of said coating by forcing the cement compound between said edges and forming a layer of compound extending onto said coating along said adjacent edges, and then drying the cement to produce a waterproof seal along said adjacent edges.

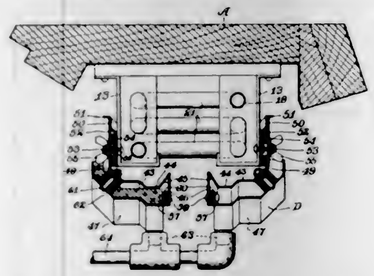
3. A coated fabric of the class described employing material finished on the outer surface with pyroxylin, portions of said material being disposed in edge to edge relation, means bridging said portion and secured to the inner surfaces thereof for retaining the edges in juxtaposition, means independent of said first named means disposed between said outer surfaces for uniting and sealing said edges of the material, said last named means comprising a cementitious body comprising an adhesive having a solvent common to said pyroxylin, thereby adapting said body to integrally unite with adjacent pyroxylin surfaces of said material, and said body extending longitudinally of said adjacent edges and onto the adjacent outer surfaces to form a bond therewith sealing said bridging means and forming a reenforcement across said edges.

2,234,846

REFRIGERATOR DRIP PAN

Herman J. Strobush, George H. Platten, and Donald Swanson, St. Paul, Minn., assignors to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota

Application September 20, 1937, Serial No. 164,742
3 Claims. (Cl. 62—99)



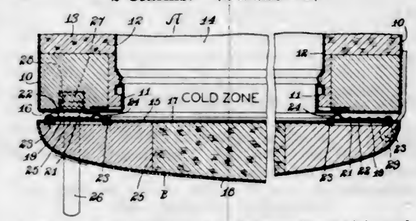
2. In a refrigerating case, an elongated coil, a pair of spaced parallel baffles extending beneath said coil, each of said baffles including an upper and a lower plate member in spaced relation with corresponding portions substantially parallel, the upper plate member being bent to provide a raised portion terminating in a depending flange, means securing the said flange and the marginal inner edge of said lower plate member together, an upwardly extending side plate on said upper plate member extending in spaced relation to the coil, spacer means between said side plate and said coil, and securing means securing said side plate to said coil, said lower plate member including a second side plate extending upwardly in spaced relation to said first named side plate.

2,234,847

REFRIGERATOR CONSTRUCTION WITH LATCH AND HINGE MEANS OUT OF COLD ZONE

Enoch Swedman, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota

Application September 4, 1936, Serial No. 99,388
2 Claims. (Cl. 220—9)



1. In a refrigerator, a refrigerator cabinet having inner and outer metallic coverings, a door opening in said cabinet having a flat surface surrounding the same, said outer covering extending partially over said flat surface, a non-metallic breaker strip connecting said coverings closely adjacent said door opening, a door hinged to said cabinet to overlie said flat surface, inner and outer metallic coverings on said door, a non-metallic breaker strip between said door coverings, a latch extending through said door and said breaker strip, gasket sealing means between said breaker strips inwardly from said latch, a latch keeper recessed in said outer cabinet covering and in said flat surface externally of said first mentioned breaker strip, said latch engaging said keeper to hold the door closed.

2,234,848

TREATMENT OF RUBBER

William P. ter Horst, Packanack Lake, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 18, 1938, Serial No. 196,705
12 Claims. (Cl. 260—791)

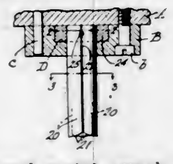
1. A process of treating rubber which comprises incorporating in rubber prior to vulcanization a 2-mercapto alkyl-substituted dihydropyrimidine.

2,234,849

PUNCH

George F. Wales, Kenmore, N. Y.

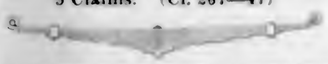
Application June 8, 1940, Serial No. 339,524
32 Claims. (Cl. 164—124)



1. An improved metal punch which may be used in a device of the type in which the work to be punched is supported against a die and the punch forced through the work while moving toward said die, said improved punch having a portion thereof, adjacent to the end which engages the work, split for a substantial distance from said end generally in the direction of the movement of the punch toward and from the work, the parts of the punch adjoining the split

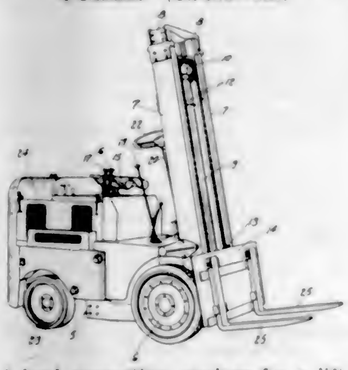
being movable relatively to one another during the operation of the punch in a direction having a component of movement extending crosswise of the direction of movement of the punch toward and from the work, whereby during retraction of the punch after a punching movement, the parts of said punch at said split will by a small amount of said relative movement toward each other, reduce at least one overall transverse dimension of said portion of the punch and facilitate the stripping of said punch from the work.

2,234,850
LEAF SPRING AND METHOD OF MAKING SAME
William H. Wallace, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 27, 1939, Serial No. 286,880
5 Claims. (Cl. 267—47)



1. A leaf spring comprising a plurality of superposed leaves the surfaces of which have been shot-blasted on the tension surface only to harden the fibers at and adjacent to the tension surface and create therein inherent residual compression stresses which increase the load-carrying capacity of the spring.

2,234,851
INDUSTRIAL TRUCK
Kaare O. Asper, Honolulu, Territory of Hawaii, assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application April 20, 1939, Serial No. 268,869
4 Claims. (Cl. 214—113)



1. A load supporting carriage for a lift truck comprising a vertically extending plate, a pair of vertically extending shafts secured to the forward face of the plate, a pair of lift fingers, channel-shaped bracket means engaging said fingers and journalled in vertically spaced relation on said shafts providing for limited rotation of said fingers about said shafts, and cam means so constructed and arranged that the weight of said fingers normally urges said fingers into a position at right angles to the plane of said plate.

2,234,852
SAFETYPIN
John T. Brueggeman, Winnetka, Ill.
Application March 27, 1940, Serial No. 326,145
2 Claims. (Cl. 24—156)

1. A safety pin including a body portion of wire providing a stationary member and a relatively movable pin point, a guard fixed to the end of the stationary member for retaining the movable pin point and for locking the same against accidental displacement, said guard including a backing portion depending from the stationary member, a resilient keeper bent from said portion and extending upwardly in spaced relation for the greater part of the length of the portion to form an elongated loop having an opening adjacent the stationary member, and



an actuating member also depending from the stationary member and overlapping the resilient keeper to thereby close said opening, said actuating member having a flaring end to form with the keeper an entering recess, and said actuating member enabling release of the movable pin point from the guard when pressure is applied thereto by causing the free end of the resilient keeper to flex in a direction toward the backing portion, whereby a path is provided for directing the movable pin point between the keeper and said actuating member.

2,234,853
SNAP HOOK
John T. Brueggeman, Winnetka, Ill.
Application April 24, 1940, Serial No. 331,330
12 Claims. (Cl. 24—234)

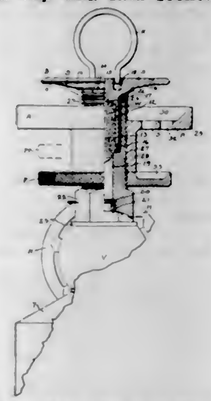


10. In a snap hook, the combination with spaced side frames formed from an integral metal stamping having a connecting base portion, each side frame having an extension along one side edge and an ear portion on the opposite side edge, the said extension on one frame being located opposite to the ear portion on the other frame, a pair of members pivotally mounted by said frames in a manner whereby a member will be located between each extension and its opposed ear portion, the forwardly extending end of each member having a curved shape in substantial alignment with the extension opposite thereto, whereby the said extensions form a stop limiting movement of the members in a closing direction, the rearwardly extending ends of each member providing portions to be actuated for opening the said curved ends, and a coil spring located between the side frames and confined at its ends between the said rear portions of the members, whereby said coil spring serves to maintain the rear portions of the member separated and the curved ends in overlapping relation.

2,234,854
BURNER FOR ALCOHOL AND LIKE FLUIDS
Richard Eckert, Valley Stream, N. Y.
Application May 29, 1936, Serial No. 82,449
7 Claims. (Cl. 158—32)

1. In a burner for alcohol, a socket conducting the alcohol, an annular face at the outlet end of said socket, a cap mounted upon said socket

an annular face upon said cap closingly fitting upon said annular face at the end of said socket, grooves cut across one of said faces and serving as channels for the fuel issuing from said socket between said cap and said socket, and a stem

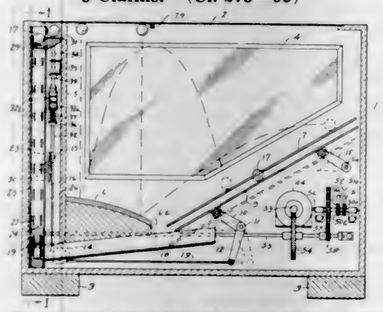


depending from said cap into said socket, positively but removably engaged in said socket and securing said faces into abutment with each other so that the said grooves exclusively define a limited passage for the alcohol.

2,234,855
ELECTRIC WELDING METHOD
Frank H. Rehse, Dayton, Ohio, assignor of one-fifth to Max Isaacson, Dayton, Ohio
No Drawing. Original application August 13, 1936, Serial No. 95,776, now Patent No. 2,193,490, dated March 12, 1940. Divided and this application May 2, 1939, Serial No. 271,407
12 Claims. (Cl. 219—10)

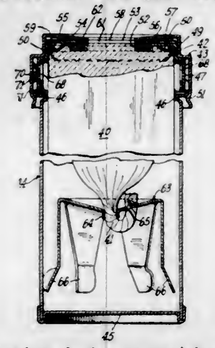
12. In the method of butt welding two tubular pieces of work in which the electric welding current is applied from effective centers of current distribution, the step of rotating said work pieces substantially in unison relative to their respective effective centers of current distribution to thereby subject each of the longitudinal sections of the portions of each of the work pieces to which the welding current is applied to an average current path length for obtaining a substantially uniform temperature throughout the circumference of the abutting edges.

2,234,856
GAME PLAYING APPARATUS
Victor Stanzel, Schulenburg, Tex.
Application November 21, 1938, Serial No. 241,497
5 Claims. (Cl. 273—95)



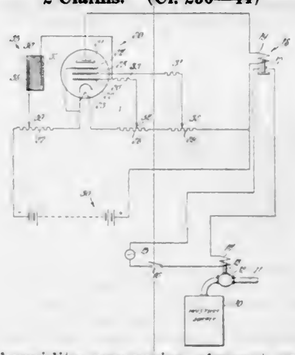
1. In an apparatus for playing a game having a bouncing plate, a score board arranged opposite the bouncing plate, playing pieces provided to be dropped from playing position onto the bouncing plate and deflected thereby onto the score board; means for moving said pieces with respect to the bouncing plate comprising an electro-magnet and means for movably supporting the electro-magnet so that it may be selectively positioned with respect to the bouncing plate.

2,234,857
DISPENSING CONTAINER
Percy M. Thorn, New Rochelle, and Alexander C. Parlini, Woodside, N. Y., and Heinz Recker, Ridgewood, and Eugene Hascher, Newark, N. J.; said Parlini, said Recker, and said Hascher, assignors to said Thorn
Application August 10, 1938, Serial No. 224,218
28 Claims. (Cl. 221—60)



26. A dispensing device comprising a casing, a container carried by said casing and adapted to change its volume to discharge its contents, a movable element upon said casing for decreasing said volume and a ratchet element connecting said movable element with said casing to prevent reverse movement thereof, said container comprising a flexible tubular member within said casing and a movable element comprising a ring rotatable upon said casing to which the top of said container is attached and said ratchet being arranged to prevent reverse turning of said ring.

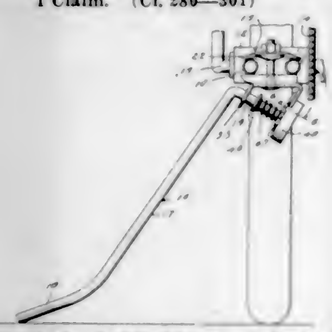
2,234,858
HUMIDITY CONTROL APPARATUS
Kenneth C. Brown, Evanston, and Fredric J. Weyher, Chicago, Ill.; said Weyher assignor to said Brown
Application December 16, 1938, Serial No. 246,013
2 Claims. (Cl. 236—44)



2. A humidity responsive element comprising

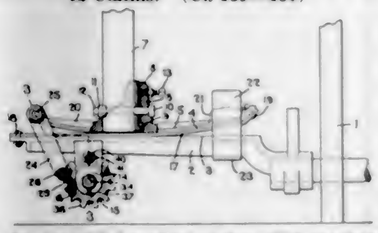
a cotton wick which has been impregnated with a salt solution including sodium chloride and dried, a plurality of platinum wire electrodes attached to said impregnated wick in spaced relation therewith and arranged to be connected externally to an electrical circuit, said wick being freely exposed to the atmosphere in a space wherein the electrical conductivity of the impregnated wick between said electrodes varies in accordance with the humidity of said atmosphere.

2,234,859
BICYCLE STAND
Berry Cohen, Atlanta, Ga.
Application April 1, 1940, Serial No. 327,330
1 Claim. (Cl. 280—301)



In a bicycle stand of that type including a foldable and extendible spring-controlled supporting element for the bicycle and a combined coupling and hanger structure for said element, said structure including a depending part, the combination of said depending part, a latching means for said element at said depending part, a cup-shaped lubricant container enclosing and permanently lubricating said latching means, the container at its open end having a portion abutting against said depending part and the upper edge portion at its open end abutting and extending across one face of said depending part whereby the latter will close the open end of the container, and means for securing said container to said depending part in enclosing relation with respect to said latching means.

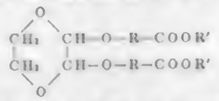
2,234,860
PARALLEL MOTION PICKER STICK MECHANISM FOR LOOMS
Harry A. Davis, Hopedale, Mass.
Application September 23, 1939, Serial No. 296,262
12 Claims. (Cl. 139—150)



1. In a parallel motion picker stick mechanism for looms having a lay rock shaft provided with a horizontal rocker stand and a picker stick having a rocker mounted on said rocker stand, means located between the outer side of said picker stick and the outer end of said rocker stand for preventing jumping of said picker stick and longitudinal movement of said rocker comprising yieldable means exerting a gradually increasing downward and inward pressure on the outer end of said rocker, and inextensible flexible means connected to the inner end portion of said rocker and extending outwardly and connected to said stand and acting to prevent longitudinal inward movement of said rocker relatively to said stand and to apply gradually increasing downward force to the inner end of said rocker during the upward rocking movement thereof.

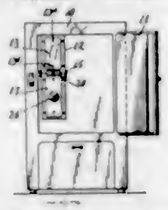
2,234,861
TREATING CELLULOSE DERIVATIVE MATERIALS
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 22, 1939, Serial No. 291,395
9 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component a dioxane ether having the general formula:



where R is alkyl, and R′ is a substituent selected from the group consisting of hydrogen, alkyl, alkoxyalkyl and heterocyclic groups.

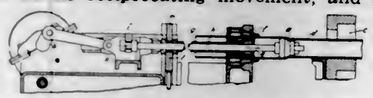
2,234,862
RESERVE TRAY FOR REFRIGERATORS
Sophie Gónczi, New York, N. Y.
Application February 3, 1940, Serial No. 317,081
7 Claims. (Cl. 62—89)



1. In combination with a household refrigerator having a food storage compartment and an ice cube freezing compartment therein, a reserve tray compartment within said storage compartment and mounted on and beneath said freezing compartment, a shutter controlling an air passage from the freezing compartment to the tray compartment, and another shutter controlling an air passage from the tray compartment to said food storage compartment.

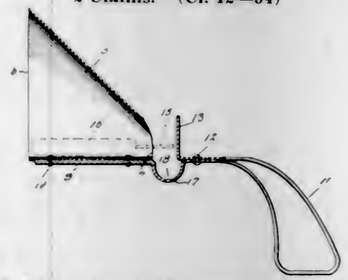
2,234,863
PROCESS AND APPARATUS FOR EXPANDING TUBES
Heinrich Heetkamp, Buderich, Bezirk Dusseldorf, Germany
Application May 25, 1938, Serial No. 210,039
In Germany May 28, 1937
13 Claims. (Cl. 205—4)

4. Apparatus for expanding tubes, comprising in combination, an expander mandrel, a clamping device constructed and arranged to engage with a part of the tube which has already been expanded, and means for passing said expander mandrel through the tube held by said clamping device, said mandrel passing means having a short stroke reciprocating movement, and said



clamping device holding the tube fast during the expanding stroke of the mandrel and being operative only in one direction of mandrel movement, said clamping device releasing said tube during the idle stroke and said tube being moved by said passing means in the direction of mandrel idling.

2,234,864
FIRECRACKER HOLDER
Albert Jackson, Butte, Mont.
Application May 20, 1939, Serial No. 274,845
2 Claims. (Cl. 42—54)



1. A firecracker holder comprising a hollow tapering barrel open at each end and adapted to accommodate a firecracker with its fuse projecting rearwardly from the barrel and a handle for the barrel formed of strap metal having its intermediate portion provided with a return bend and constituting the hand-gripping portion of the handle, one end of the strap being secured to the barrel and an upstanding shield at the other end of the strap and positioned in spaced relation behind the rear end of the barrel.

2,234,865
RAKE
Homer T. Jenkins, Chicago, Ill.
Application July 25, 1939, Serial No. 286,349
9 Claims. (Cl. 56—400.17)

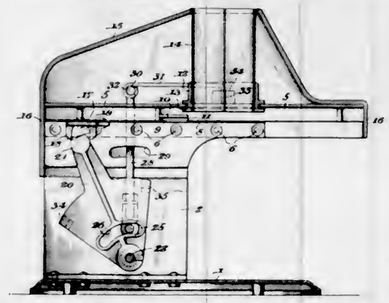


1. A rake comprising a frame having a plurality of tines projecting therefrom and disposed longitudinally of said frame, each tine having an inner section comprising portions extending through said frame, said frame being slotted to receive said sections, each section comprising one portion extending through said slot in a predetermined direction and a second portion extending from said first named portion at a diverging angle with respect thereto and projecting through said slot, fulcrum means associated with said frame adjacent said slot and received in the bight between said angularly disposed portions for permitting said portions to shift about said fulcrum in the slot, and resilient means acting between said frame and said second portion for urging said bight against the fulcrum.

2,234,866
PYRAZOLONE-SULPHONIC ACIDS AND PROCESS OF MAKING THE SAME
Hans P. Kaufmann, Munster, Westfalen, Germany
No Drawing. Application December 14, 1938, Serial No. 245,803. In Germany December 12, 1936
11 Claims. (Cl. 260—310)

1. As a new product a 5-pyrazolone-sulphonic acid in which the sulpho group is attached in the 4-position.

2,234,867
POTATO SLICING MACHINE
Leonard D. Kroff, Sterling, Ill.
Application May 5, 1939, Serial No. 272,049
12 Claims. (Cl. 146—151)

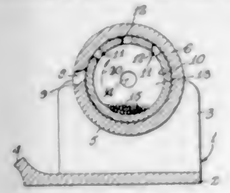


1. A vegetable cutter comprising a supporting plate, a sleeve journaled in the plate, a hopper secured to the sleeve and upstanding therefrom, turning means operatively connected with the sleeve, a knife, a carriage plate supporting the knife and mounted beneath the hopper, and means for reciprocating the carriage plate and having operative lost-motion connection with the hopper turning means that is constructed to be inoperative during the cutting stroke and to actuate said hopper turning means only at the end of the cutting stroke.

2,234,868
TOOTHPICK DISPENSER
Julius A. Laudien, Gary, Ind.
Application May 1, 1940, Serial No. 332,802
2 Claims. (Cl. 312—73)

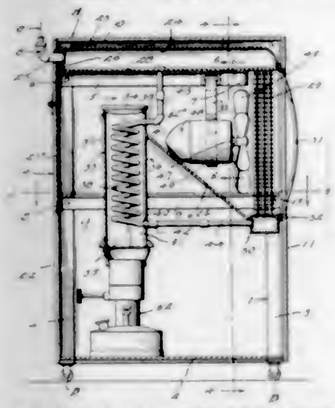
1. A toothpick dispenser comprising a horizontal cylindrical housing having a longitudinal discharge slot therein, and a cylindrical magazine, for the reception of toothpicks, rotatably mounted in said housing and having a longitudinal slot therein for registry with the first named slot, the second named slot for the reception of toothpicks for conveying said toothpicks to the first named slot upon rotation of the magazine in one direction, said second named slot having a sub-

stantially V-shaped trailing wall, the outer bevel of said trailing wall, in conjunction with the housing, defining a groove for the reception of a



single toothpick, the inner bevel of said trailing wall constituting means for returning excess toothpicks in the second named slot by gravity to the magazine.

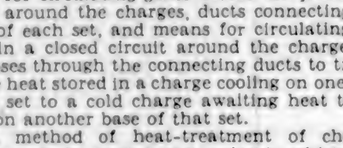
2,234,869
MOBILE HOT WATER HOUSE HEATER
John M. Loveless, Somerville, Ind., assignor to George H. Atkin, Evansville, Ind.
Application November 9, 1939, Serial No. 303,673
3 Claims. (Cl. 126—101)



1. In a hot air heater of that type including a hot water circulating system for heating preheated air and a heating means for preheating air and the water of said system, the combination of a housing for enclosing and supporting said system and means, said housing having front and rear openings for the passage of air therethrough, the said front opening being arranged above the rear opening, inclined baffle means arranged within the forward portion of the housing, aligned with the lower portion of the front opening, extending above the height of said rear opening and coacting with the housing, said system and said heating means to provide a fan chamber open at its front and rear, and a motor driven unit including a fan in said chamber aligned with said front opening, and means adapted to be secured to a part of said system for suspending said unit within said chamber.

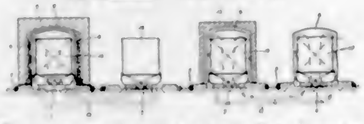
2,234,870
CONNECTOR PLUG
Joseph T. Lusin, Niagara Falls, N. Y.
Application March 29, 1940, Serial No. 326,806
2 Claims. (Cl. 200—51)

1. In a connector plug, a body, contact sleeves mounted in the body at one end thereof, conductor strips mounted longitudinally in the body, one of said conductor strips being directly and electrically connected with one of said contact sleeves, the other of said conductor strips terminating at one end thereof in spaced relation to the other of said contact sleeves, said last-named contact sleeve and the last-named conductor strip being complementarily formed to provide coacting switch contacts, means in the plug and impinging the second-named contact strip for normally urging the latter in a direction for engagement of said switch contacts, and cam mechanism rotatably mounted in said body and en-



gageable with the second-named conductor strip for separating said switch contacts and retaining said contacts normally separated, and each of said conductor strips at the end thereof remote from the associated contact sleeve presenting an integral clamping jaw, a complemental clamping jaw secured to said conductor strip at the jaw-equipped end of the latter and cooperable with the jaw of the strip for clamping a conductor wire therebetween, and a clamping screw engaging said jaws for securing said jaws in clamping relation to one another.

2,234,871
FURNACE
James MacDonald, London, England, assignor of one-half to G. W. B. Electric Furnaces Limited, London, England
Application April 7, 1938, Serial No. 200,761
In Great Britain April 15, 1937
14 Claims. (Cl. 266—5)



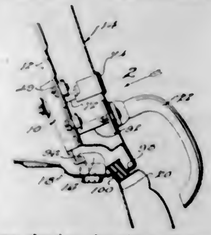
1. A structure forming part of a furnace arrangement and having a plurality of sets of ducts, said sets providing alternate paths through which gas may be circulated, said structure having a passage formed therein communicating with the several sets of ducts, a fan movable axially within said passage to cause gas flow through a selected set of ducts, and means moving with the fan to obturate the remaining ducts.

2. A furnace arrangement comprising a single bell-type heating furnace, a plurality of bases arranged in two sets to receive charges of material to be treated, the furnace being applicable to each base in succession to enclose the charge, protective covers for the charges on the bases, means for circulating gases within the protective covers around the charges, ducts connecting the bases of each set, and means for circulating the gases in a closed circuit around the charges on two bases through the connecting ducts to transfer the heat stored in a charge cooling on one base of the set to a cold charge awaiting heat treatment on another base of that set.

4. A method of heat-treatment of charges which are to be heated and cooled in which four furnace bases are employed in two pairs to utilize one furnace in such sequence that during each heating period the charge carried by one base of one pair is being heated by the furnace, the other base of that pair is being charged or

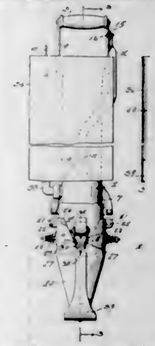
carries a charge which is finally cooling and the bases of the other pair carry charges which are being cooled and preheated respectively by the circulation between them of heat-transferring gas, at the end of each heating period the furnace is transferred to the base on which a charge has been preheated, the finally cooled charge is removed and a fresh charge placed on the base thus made vacant and a further heating period is commenced.

2,234,872
LOCKING DEVICE
Rollo Marple, Jackson, Mich., assignor to Hancock Manufacturing Company, Jackson, Mich., a corporation of Michigan
Application February 16, 1939, Serial No. 256,763
1 Claim. (Cl. 70—111)



In a latching device, having an enclosing housing, the combination of a bolt having a body portion and a keeper engaging nose, means pivotally mounting said bolt with the body thereof within the housing in such relation that when the bolt is swung from a retracted to a projected position the nose projects from the housing for cooperation with the said keeper, handle operated means operatively connected with said bolt for swinging the same between said positions, locking means positioned within the housing and directly engageable with the bolt body for holding the bolt in the projected position, means for guiding said locking means, spring means positioned within the housing and having a detent connection with said bolt in each of said positions so as to releasably hold the bolt in each of said positions, and means comprising said guiding means for holding said spring means in place relative to said housing.

2,234,873
TRANSPLANTING DEVICE
Vaden W. Mason, Brookneal, Va.
Application January 7, 1938, Serial No. 183,878
5 Claims. (Cl. 111—4)



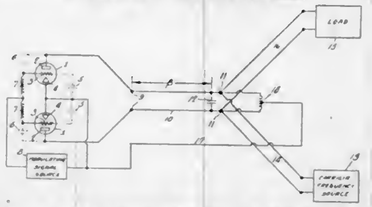
1. A plant setter comprising a chute to receive the plants to be set, a sleeve slidably surrounding the discharge end portion of the chute, opposed shovels carried by the sleeve and extending beyond the discharge end of the chute and having opening movement one with respect to the other, the upper opposed marginal portions of the shovels having upwardly diverging edges, means for normally maintaining the shovels in closed position, means for moving the sleeve along the chute, and means on the chute and engaging the diverging edges of the shovels for opening the shovels upon movement of the sleeve in one direction.

2,234,874
STRINGED MUSICAL INSTRUMENT
John J. Moore, Winsted, Conn., assignor to Gibson, Inc., Kalamazoo, Mich., a corporation of Michigan
Application August 23, 1940, Serial No. 353,950
18 Claims. (Cl. 84—312)



1. In a stringed musical instrument, a pedal bank, a series of tiltable yokes each operatively connected to a pedal of said bank, a series of string tensioning levers extending beneath and operated by said yokes and engaging said yokes upon depression of the pedals and supported to effect increase of tension in the strings to which they are attached, and a second series of string tensioning levers extending beneath and operated by and engaging said yokes and supported to relax tension of the strings to which they are attached.

2,234,875
MODULATING SYSTEM
William Nelson Parker, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 21, 1939, Serial No. 252,204
7 Claims. (Cl. 179—171.5)



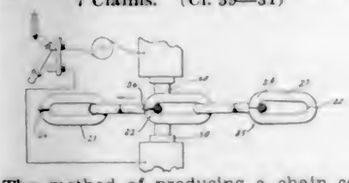
1. In a modulating system; a source of wave energy of carrier frequency; signal utilization means supplied with energy from said source; a controllable modulating impedance connected to said utilization means, said modulating impedance comprising an impedance inverter and a space discharge device, said space discharge device having an input circuit and an output circuit and having its output circuit connected to said impedance inverter; a source of a modulating signal connected to the input circuit of said space discharge device; and means for causing a signal of the same frequency but opposite in phase to the signal in the output circuit of said space discharge device to be built up in the input circuit of said space discharge device.

2,234,876
CIRCUIT MAKER AND BREAKER
Mervin Rehrer, Pine Grove, Pa.
Application October 6, 1939, Serial No. 298,333
2 Claims. (Cl. 200—157)



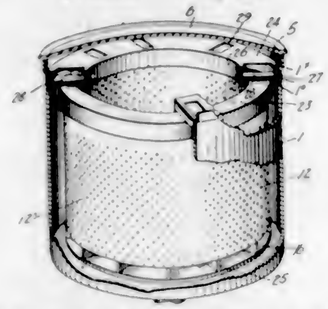
1. In a grip controlled switch, a pair of similarly shaped levers having adjacent sides, said sides each forming a dihedral angle, means securing said levers for rocking movement with the edge of one dihedral angle substantially co-extensive with the edge of the other dihedral angle, said sides each having a socket, a contact mounted in the base of a given one of said sockets, a projection mounted in the remaining socket and having a free end disposed in said given socket, and a second contact carried by said free end, said contacts being movable between positions of engagement and disengagement upon rocking movement of said levers, and said projection having its free end movable between positions within the confines of said given socket.

2,234,877
CHAIN MANUFACTURE
Samuel Rosenberg, deceased, late of New York, N. Y., by Gertrude Pousman, administratrix, New York, N. Y., and Thomas Rosenberg, New York, N. Y.
Application April 10, 1940, Serial No. 328,996
7 Claims. (Cl. 59—31)



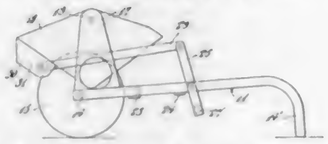
1. The method of producing a chain consisting in forming a blank of rod material, bending the same centrally to produce a link bight and two side members to form semi-bights on each of the ends with the butt extremities alined for abutment to form a complete bight opposite the first, positioning another link within and adjacent the joint of the incomplete link thus formed, pressing the butts of the incomplete link together and establishing an electrical circuit through the incomplete link butts across the joint whereby to fuse the metal at the point of contact of the butts, coincidently applying pressure to the sides of the link to move the butts together a distance, and while the fused metal is soft pulling said other link against the collar of extruded metal formed at the joint, while the semi-butts are held together.

2,234,878
WASHING MACHINE
John Fisher Ross, Toronto, Ontario, Canada
Application July 31, 1939, Serial No. 287,445
4 Claims. (Cl. 68—151)



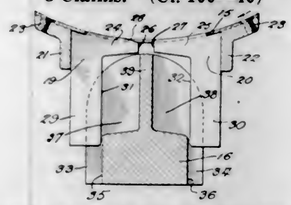
1. A washing machine comprising an outer stationary water container, an inner clothes container having a perforated bottom and rotatably mounted within the outer container to form an annular water space between the containers, means for circulating the water passing through the bottom perforations of the clothes container radially outward and upward between the walls of the clothes and water containers, an annular plate carried by the water container and extending over the upper edge of the clothes container and spaced therefrom and having suitably spaced apart openings therein, an annular flange depending from the inner edge of the plate into the clothes container and spaced therefrom, angle bars carried by the plate and flange and extending radially beneath each opening and having a slit opening in the vertical wall thereof located at one side of the plate opening and against which the circulating water is carried by the rotating clothes container to be injected transversely of the plate opening.

2,234,879
HANDCART
Hugh Waters Shoesmith, Mortimer, South Africa
Application September 11, 1939, Serial No. 294,389
In Great Britain July 28, 1938
5 Claims. (Cl. 298—3)



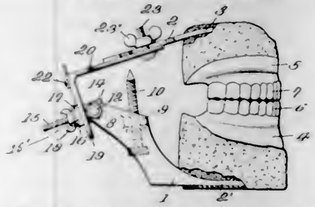
1. A handcart comprising a chassis with a pair of side members, an axle carried by the side members at one end of the latter, a ground wheel on the axle between the side members, a pair of parallel brackets upstanding from and carried by the side members at said one end, handle means at the other end of the side members by which the chassis is wheeled about, said handle means forming curved extensions of the side members, a carrier having two side walls united by a two-part bottom wall the parts of which converge downwardly, pivots connecting the sides of the carrier to the brackets respectively about an axis parallel with the axle, the distance between the pivots and the axle being less than the depth of the carrier and the radius of the wheel combined and the carrier having a central partition parallel with the sides of the carrier and hollow from the underneath to accommodate part of the ground wheel.

2,234,880
JUICE EXTRACTING MACHINE
Bronson C. Skinner and James J. R. Bristow, Dunedin, Fla., assignors to Essential Oil Producers, Inc., Dunedin, Fla., a corporation of Florida
Application May 17, 1938, Serial No. 208,472
3 Claims. (Cl. 100—40)



1. A fruit juice extractor having fruit holding cups and an apertured breast plate with fruit pressing head reciprocable through the aperture of the breast plate, bridge means secured to the under face of the breast plate for retaining a fruit portion in a cup over the aperture of the breast plate positioned so as to extend into the aperture with upper face substantially flush with the upper face of the breast plate.

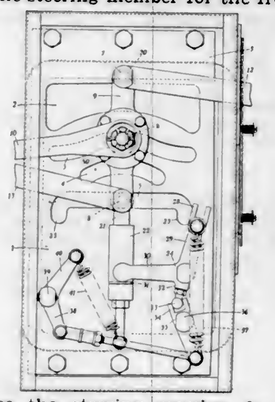
2,234,881
DENTAL ARTICULATOR
Edwin Leroy Stein, Wilmington, Del.
Application October 5, 1938, Serial No. 233,503
2 Claims. (Cl. 32—32)



1. A dental articulator comprising a pair of jaw supporting members, one of said members being provided with a pivotally mounted block, a bolt carried by said block, the other jaw supporting member carrying an adjustably mounted angular member having a bifurcated end embracing said bolt, a centering member mounted on said bolt having a loose connection with said angular member, a clamp bar for clamping said angular member against the face of said block, and a wing nut traveling on said bolt for clamping said angular member against the face of said block in adjusted position.

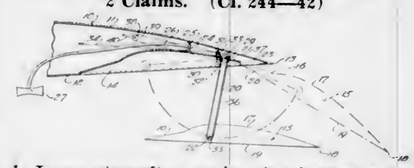
2,234,882
MOTOR VEHICLE
John Noel Hutton Tait, Coventry, and William Martin Blagden, Farnborough, England, assignors to The Birmingham Small Arms Company Limited, Birmingham, England, a British company
Application January 12, 1940, Serial No. 313,482
In Great Britain November 21, 1938
6 Claims. (Cl. 280—91)

1. Steering mechanism for motor vehicles comprising a rocking lever having members connected thereto for steering the front and rear wheels, means including a fixed guide plate cooperating with said rocking lever to effect progressive steering movements of the steering members for the front and rear wheels and embodying means operative by displacement of said rocking lever to lock the steering member for the front wheels



and place the steering member for the rear wheels under the control of said rocking lever, and means operable to apply a spring load to said rocking lever to displace the latter automatically into a position to effect progressive steering movements of the steering members for the front and rear wheels when said members assume or tend to pass through a straight steering position.

2,234,883
AIRPLANE
Kurt Tank, Bremen, Germany, assignor to Focke-Wulf Flugzeugbau G. m. b. H., Bremen-Flughafen, Germany
Application October 5, 1939, Serial No. 298,131
In Germany October 7, 1938
2 Claims. (Cl. 244—42)

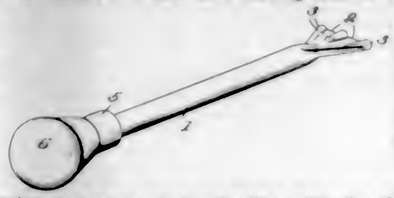


1. In an aircraft, a main wing having a trailing edge portion and provided with a pocket in its under side adjacent said trailing edge, an auxiliary wing normally fitting in said pocket, and means to move the auxiliary wing from the pocket to a position rearwardly of the trailing edge of the main wing, the leading edge portion of the auxiliary wing fitting beneath the trailing edge portion of the main wing to afford a common uninterrupted profile with the main wing without disturbing the air flow over the wings, and means for creating a suction effect in the main wing to remove the boundary layer at the suction side of this uninterrupted profile.

2,234,884
BASTING DEVICE
Florence M. Teel, Hazleton, Pa.
Application March 3, 1939, Serial No. 259,710
1 Claim. (Cl. 299—90)

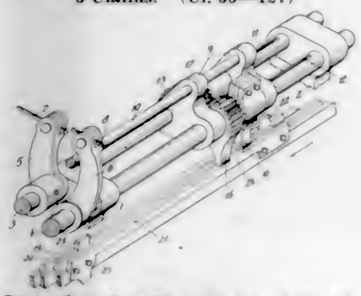
A basting device comprising a tubular member

having a flattened expanded end portion to provide a contracted flat face having hollow ribs



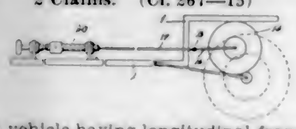
forming passages communicating with the flattened portion, and a rubber bulb arranged over the other end of the tubular member.

2,234,885
THREAD CARRIER CHANGE DEVICE
Paul Tuchscherer, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application August 28, 1939, Serial No. 292,351
In Germany September 1, 1938
3 Claims. (Cl. 66—127)



1. In a thread carrier change device for flat knitting machines, a plurality of thread carrier bars, a stop carried by each of said thread carrier bars, a thread carrier associated with each of said thread carrier bars, means for shifting said thread carrier bars, said means consisting of a toothed segment and a ring spaced from said toothed segment, a dog provided at said toothed segment and a second dog provided at said ring, a shaft rotatably mounted in bearings provided in the machine frame and carrying said toothed member and said ring, a second shaft rotatably mounted in said bearings in parallel relation to said first mentioned shaft, a toothed wheel shiftably fixed on said second shaft and means for adjusting said dogs from one of said thread carrier bars to another.

2,234,886
SPRING DEVICE FOR VEHICLES
Albert van Dillen, Amsterdam, Netherlands
Application November 22, 1937, Serial No. 175,963
In the Netherlands October 17, 1936
2 Claims. (Cl. 267—15)



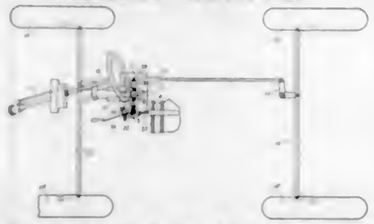
1. In a vehicle having longitudinal frame members and an axle, a resilient suspension comprising an air cushion mounted between each end of the axle and a frame member and directly engaging the same at points situated in different transverse vertical planes, manually operable adjusting means on said frame members and connected to said cushions adapted to displace the same longitudinally of said frame members in such a manner that the line connecting the supporting points of the frame members and the axle on said cushions is angularly displaced with reference to a vertical transverse plane through said axle.

2,234,887
RUBBER HEEL
John F. Anderson, Chicago, Ill.
Application August 2, 1940, Serial No. 349,566
6 Claims. (Cl. 36—36)



1. A renewable heel structure, including a plate adapted for permanent attachment to the heel portion of a shoe and having an exterior contour corresponding to a shoe heel, a flange extending substantially at right angles from the side and rear peripheral portions of the plate, a bead projecting inwardly from the free edge of the flange, a removable rubber heel having a contour corresponding to said plate, said rubber heel having an external groove for said bead, and rigid means carried by said plate and engaging said rubber heel in spaced relation to the flange whereby to resist inward flexure of the sides and rear of the peripheral portion of the rubber heel.

2,234,888
STEERING MECHANISM FOR MOTOR VEHICLES
William Martin Blagden, Farnborough, England
Application January 12, 1940, Serial No. 313,484
In Great Britain October 17, 1938
16 Claims. (Cl. 280—91)

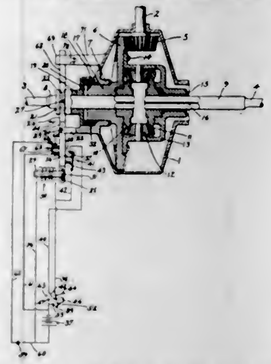


1. Steering mechanism for a motor vehicle having front and rear wheels for steering it, comprising a rocking lever having means connecting it to the front and rear wheels for steering them, a guide plate cooperative with said rocking lever, said guide plate having means thereon to cooperate with said lever to effect steering of the front or the rear wheels and to lock the wheels which are not being steered, and means for setting said rocking lever for cooperation with said guide plate to effect automatically steering of the front and rear wheels successively.

2,234,889
DYEING OF CELLULOSIC TEXTILE MATERIALS
John Boulton and Thomas Henry Morton, Braintree, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application April 18, 1940, Serial No. 330,424. In Great Britain April 4, 1939
2 Claims. (Cl. 8—116)

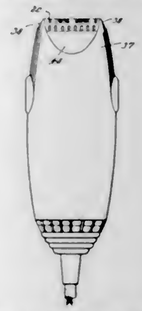
1. Process of improving the dyeing properties of cellulosic textile material which comprises treating it with formaldehyde to obtain a cellulose product containing chemically combined formaldehyde, treating the resulting product with cyanamide, drying the material and thereafter heating it to a temperature of from 135° to 140° C.

2,234,890
DIFFERENTIAL MECHANISM
Henry Edgar Brousseau, Southbridge, Mass.
Application October 24, 1939, Serial No. 301,012
16 Claims. (Cl. 74—316)



1. In a device of the character described the combination of a driving member and a pair of driven members, a clutch interposed between two of said members, said clutch comprising a pair of elements having coacting shoulders on their opposed faces, yielding means for normally holding said elements in disengaged relation with each other and automatically releasable means operable against the action of said resilient means for holding said elements in driving relation with each other and functioning automatically to release the holding action of said means operable against the action of said resilient means when a predetermined overload is exerted on said clutch elements.

2,234,891
SHAVING IMPLEMENT
John Bruecker, Chicago, Ill.
Application December 6, 1937, Serial No. 178,221
27 Claims. (Cl. 30—43)



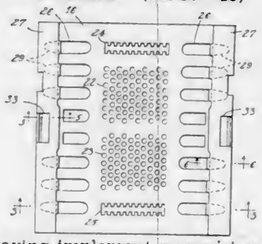
1. In a shaver, a skin-engaging cutting member of thin metal perforated to provide an elongated hair-receiving opening having spaced teeth along its opposite longitudinal sides projecting into said opening, said member being flexed to arcuate form transverse to the length of the elongated opening.

2,234,892
SHAVER
John Bruecker, Chicago, Ill.
Application April 8, 1938, Serial No. 200,899
12 Claims. (Cl. 30—43)



1. In a shaving implement, a comb of extremely thin material of greater length than width having hair-receiving openings uniformly spaced apart in an area extending substantially its full length, a U-shaped cutter, each spaced member of which constitutes a separate cutter, and means for rapidly moving the cutter back and forth lengthwise of the comb with its cutting members in shearing engagement with the inner side of the comb and with one cutting member spaced in advance of the other in the direction of travel, the cutter members being spaced apart a distance greater than the spacing of a plurality of the hair receiving openings in the comb.

2,234,893
SHAVING IMPLEMENT
John Bruecker, Chicago, Ill.
Application November 22, 1939, Serial No. 305,712
8 Claims. (Cl. 30—43)



1. A shaving implement comprising a supporting frame having longitudinal members connected by curved ribs, a thin resilient shearing plate conformed to the curvature of said ribs and extending at its edges into proximity to the longitudinal members of the frame, means for positively clamping the plate to said longitudinal members, and a cooperating movable shearing member.

2,234,894
PROCESS OF MAKING COMB FOR SHAVING IMPLEMENTS
John Bruecker, Chicago, Ill.
Application November 22, 1939, Serial No. 305,713
2 Claims. (Cl. 76—104)

1. The process of forming small shearing teeth projecting from a thin resilient steel plate which

is used as the skin-engaging shearing member of a shaving implement, including the steps of forming the plate to provide the profile shape of the teeth, bending the teeth to a set position toward the shearing edge side of the plate, flexing the plate to position the toothed portion in an arc and thereby causing the teeth to bend back to



an angular position just short of their original position by inherent stress between the metal of the teeth and the contiguous portion of the plate, and lapping the inner side of the plate together with the projecting inner face of the teeth by a lapping tool the face of which is of an arc approximately that of the cutting tool with which the shearing member is intended for use.

2,234,895

OSCILLATOR TUBE RELAY CONTROL

James P. Cerveny, Yakima, and William F. Priest, Rosalia, Wash.

Application March 1, 1939, Serial No. 259,274
8 Claims. (Cl. 175—320)



1. A control apparatus comprising an oscillator means including a vacuum tube containing a cathode, grid and plate, a tuned circuit connecting the cathode and the grid and a tuned circuit connecting the cathode and the plate, and constructed and arranged for regenerative feed-back of energy from the plate circuit to the grid circuit, a circuit connecting the plate and grid circuits for neutralizing said regenerative feed-back of energy, a variable circuit element electrically coupling the plate circuit with the grid circuit, means responsive to fluctuations in a physical condition and operably connected with said variable element so as to vary it upon fluctuations in the physical condition, whereby to affect the neutralization of the circuit without affecting the tuning thereof so that when the physical condition goes on one side of a predetermined value the oscillator means oscillates and when the physical condition goes on the other side of a predetermined value the oscillator means ceases oscillating, and an electrical translating device connected to the oscillator means and constructed and arranged to be turned on and off by a current flowing in the oscillator means.

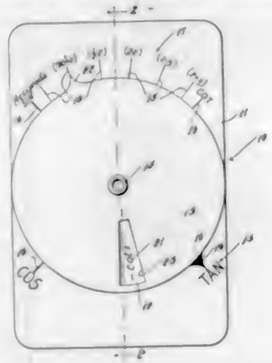
2,234,896

TRIGONOMETRIC IDENTIFIER

William Nelson De Turk, Hatfield, Pa.

Application February 21, 1940, Serial No. 320,213
3 Claims. (Cl. 35—74)

1. A device of the class described comprising a base member, a pair of disks superimposed thereon, means for rotatably connecting said disks to said base, said base being provided with indicia on its upper side including four parts comprising the four major functions of an angle disposed in equally spaced apart relationship to each other on the exposed portion of said upper surface, and indicia arranged between two adjacent parts of the aforementioned indicia and including six parts comprising six minor functions of angles, said lower disk being provided with an arrow-head projecting from a portion of its periphery and forming a pointer to be positioned selectively on the parts of said first mentioned indicia, the upper surface of said lower disk being inscribed with indicia comprising a plurality of functions or identities of angles, and said upper disk being provided with an arrow-head projecting from its



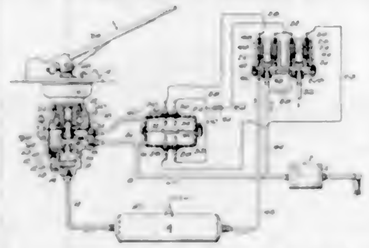
periphery and forming a pointer to be positioned selectively on the last mentioned indicia of said base, said last mentioned disk being provided with an elongated radially extending opening disposed in substantially diametrically opposed relationship to its pointer for reading the correct or necessary function or identity, forming a part of the indicia on said lower disk and exposed by the opening in the upper disk.

2,234,897

BRAKE MECHANISM

Wilfred A. Eaton, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application November 1, 1939, Serial No. 302,451
12 Claims. (Cl. 303—15)



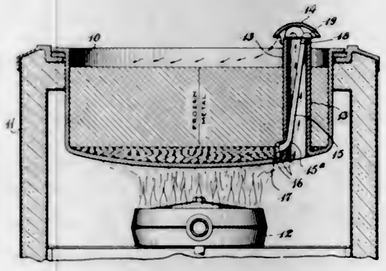
1. In combination with a source of fluid pressure and a fluid motor, of electrically-operable valve means for controlling the flow of fluid pressure between said source and motor, an operator-controlled valvular mechanism for controlling the flow of fluid pressure between the source and motor including inlet and exhaust valves and an operator-controlled pressure-responsive element for operating said valves, an outlet chamber having a connection with the fluid motor, a diaphragm chamber, and a restricted connection between said outlet chamber and diaphragm chamber for effecting a fluid-pressure differential between said chambers during changes of pressure in said outlet chamber, and means including a member responsive to the pressures in said chambers for controlling the operation of said electrically-operable valve means.

2,234,898

METAL MELTING METHOD AND APPARATUS

Henry Hartmann, Brooklyn, N. Y., assignor to United American Metals Corporation, Brooklyn, N. Y., a corporation of New York

Application October 31, 1940, Serial No. 363,786
5 Claims. (Cl. 266—33)



1. The method of melting a mass of solid frozen metal in a melting pot comprising applying heat to a portion of the pot to first melt a first part of the metal therein, heating a molten metal passage leading from said first melted metal part and in non-heat conducting relation with the unmelted second part of the metal, whereby the first melted part may expand and be relieved, and passing said first melted expanded part into direct contact with the exterior of the second unmelted part.

2,234,899

AIR CUSHIONED BOAT HULL

Andrew J. Higgins, New Orleans, La., assignor to Higgins Industries, Inc., New Orleans, La., a corporation of Louisiana

Application October 17, 1939, Serial No. 299,892
5 Claims. (Cl. 114—66.5)



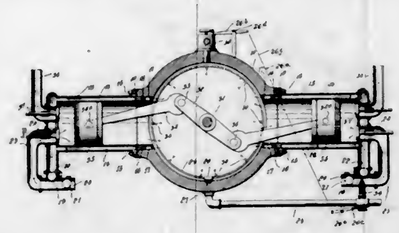
1. In a power boat hull having a broad, substantially flat bow overhang and forefoot, and of V-bottom shape aft of said forefoot, a pair of deflecting rails projecting downward from the bottom of the hull, arranged symmetrically with respect to the longitudinal central line on opposite sides thereof, having their forward ends adjacent the bow above the water line, and their rear portions adjacent the chines, and terminating adjacent the midship region at the part of the bottom having the most pronounced V-shape, for guiding the aerated water churned up by the forefoot to a course in which it will be engulfed by the forefoot and its lateral escape prevented until it reaches the midship region, the sharply inclined planes of the hull immediately aft of said rails being unimpeded to permit said aerated water to escape laterally beyond the rear ends of said rails.

2,234,900

INTERNAL COMBUSTION ENGINE AND METHOD OF OPERATION

Nelson M. Jones, Hatchville, Mass.

Application April 11, 1940, Serial No. 329,198
8 Claims. (Cl. 123—56)



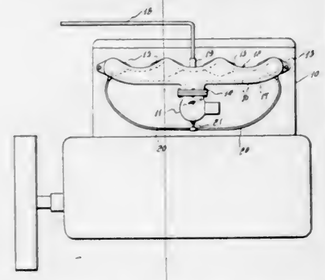
6. An engine of the class described having a crankcase and cylinders extending therefrom, said cylinders having jackets communicating with the crankcase, mixing chambers with which the jackets communicate, means operable to supply fuel into the crankcase and into the jackets for its cooling effect and subsequent use in operating the engine, means for the supply of fuel directly from the source to said mixing chambers, an automatic vacuum regulator for the crankcase operatively connected to the last mentioned means to insure the supply of requisite fuel to the mixing chambers independently of that supplied to the crankcase, and a conduit within the crankcase through which the fuel is supplied having suitably arranged outlets.

2,234,901

ATTACHMENT FOR INTERNAL COMBUSTION ENGINES

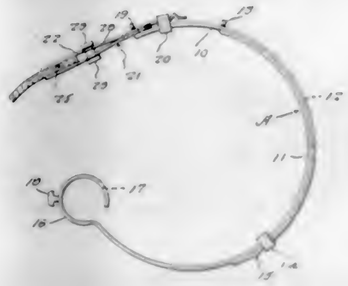
Nelson M. Jones, Hatchville, Mass.

Application August 1, 1940, Serial No. 349,081
5 Claims. (Cl. 123—133)



1. In an internal combustion engine, an intake manifold for connecting the cylinders of the engine to a carbureter, said intake manifold having spaced walls forming a jacket surrounding the interior thereof, means for conveying a liquefied petroleum gas to the jacket, means for expanding the liquid to vaporize it upon entering the jacket for cooling the interior chamber of the intake manifold, and means for conveying the vapor, after passage through the jacket to the carbureter to be mixed with air, the mixture being cooled in passage through the intake manifold to the cylinders of the engine.

2,234,902
EMERGENCY SKID CHAIN SNAKE
Louis W. Keppel, Bayonne, N. J.
Application May 11, 1939, Serial No. 273,098
3 Claims. (Cl. 81—15.8)



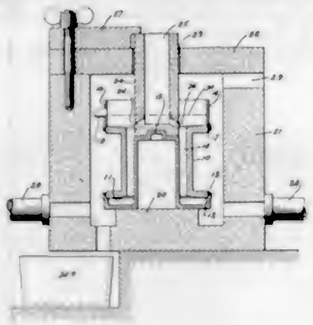
1. A device of the class described comprising a section having an enlargement at one end curled and having its free end returned toward and terminating short of the section, said free end being provided with a slot, a head at the other end of the section, a second section having a head engageable in said slot, said second section having slots engageable by said first mentioned head, said last mentioned head being disengageable from the first mentioned slot, and a clamp detachably connected to an end of an anti-skid device, at one end thereof, and having means for detachably engaging said last mentioned head to connect the device to one end of the anti-skid device.

2,234,903
FLOATING CANDLE
Thomas J. Muench, Syracuse, N. Y., assignor to Muench-Kreuzer Candle Co., Inc., Syracuse, N. Y., a corporation of New York
Application December 9, 1939, Serial No. 308,441
4 Claims. (Cl. 67—22.5)



3. A floating candle including a candle body composed entirely of consumable material having a horizontal dimension sufficiently greater than its vertical dimension to enable the candle to float unsupported in a stable upright position at the surface of an open body of water, and a wick arranged in a vertical position at the center of flotation of the candle body, the horizontal diameter of the candle body being sufficient to cause the candle in burning to hollow out of the candle body a thin shell composed entirely of the consumable material of the body and adapted to protect the flame of the candle from water and floatable in said open body of water in an upright stable position without support and without danger of tipping or shipping water whereby a separate float or extraneous container for the candle is rendered unnecessary.

2,234,904
METHOD OF FORMING BEARINGS
Robert D. Pike, Diablo, Calif., assignor, by mesne assignments, to Chas. E. Townsend, Piedmont, Calif.
Application August 3, 1931, Serial No. 554,785
9 Claims. (Cl. 22—204)

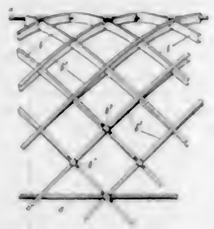


3. The method of forming bearings comprising casting a copper lead mixture in a pre-heated steel shell and in subsequently rapidly chilling the exterior surface only of said shell.

2,234,905
DYEING OF CELLULOSIC TEXTILE MATERIALS
Ernest Edward Tallis, Coventry, England, assignor to Courtaulds, Limited, London, England, a British company
No Drawing. Application November 19, 1938, Serial No. 241,460. In Great Britain November 30, 1937
4 Claims. (Cl. 8—100)

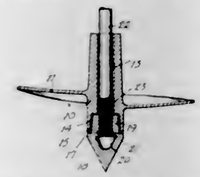
1. A process for improving the dyeing properties of cellulosic textile materials which comprises incorporating in the said materials a product obtained by causing cyanamide and formaldehyde to react in a solution the pH value of which initially lies between 5.0 and 6.5.

2,234,906
METHOD OF DETERMINING THE FORM AND CONTROLLING THE PRODUCTION OF GEODESICS
Barnes Neville Wallis, Weybridge, England, assignor, by mesne assignments, to Vickers-Armstrongs Limited, Westminster, London, England
Application October 31, 1938, Serial No. 237,988
In Great Britain November 8, 1937
6 Claims. (Cl. 29—148)



1. A method of producing a template for use in making a geodetic structure having two series of geodetic members extending in geodetic lines and intersecting each other at points which constitute nodes in the structure, which consists in ascertaining the length of each chord of the neutral axis of the required geodesic from one node to the next and the angular relationship of the chords to each other when untwisted and lying in a common plane, setting out the nodal points on a plate by using the ascertained linear and angular measurements, forming locating means on the plate at the nodal points and mounting on the plate at the points defined by said locating means fittings shaped to receive the structural elements which are to form the geodetic members and adapted to maintain them in correct position relatively to the plate, said plate and fittings constituting the required template.

2,234,907
SCREW ANCHOR
Rolland G. Williams, Fort Myers, Fla., assignor to Malleable Iron Fittings Company, Branford, Conn., a corporation of Connecticut
Application October 6, 1939, Serial No. 298,209
3 Claims. (Cl. 189—91)

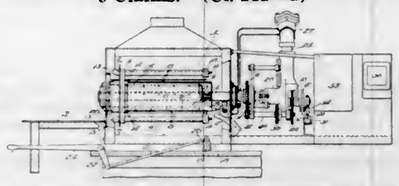


1. A screw anchor comprising a helix element including a hub of the type to be non-rotatably and removably engaged by an anchor-sinking wrench and a helical blade surrounding said hub, said hub having an axial passage extending therethrough from end to end, an internally threaded nut member removably engaged with the lower end of said hub, non-circular cooperative interlockingly engageable means on said hub and nut member retaining said nut member against rotation relatively to said hub whereby said nut member is rotatable with said hub, and a rod loosely engaged through said hub passage having a threaded end removably screwed into said nut, said rod being rotatable in said hub passage through rotation relatively to said nut member.

2,234,908
MANUFACTURE OF HYDROGEN PEROXIDE
Gustav Adolph, Solln, Germany, and Max E. Bretschger, Buffalo, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application November 17, 1937, Serial No. 175,096
5 Claims. (Cl. 204—84)

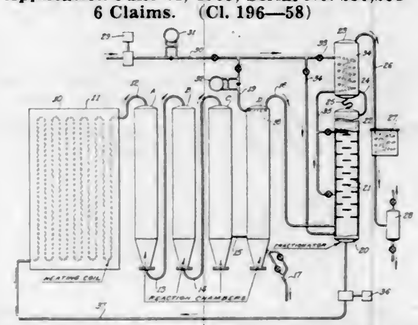
1. The method of manufacturing hydrogen peroxide from ammonium bisulfate-sulfuric acid solutions by electrolysis thereof and subsequent distillation of the electrolytic solution so formed which comprises cooling the residual liquid remaining subsequent to distillation of the electrolyte until a pasty crystal mass of sulfuric acid and bisulfate is produced, separating the crystals from the acid, purifying a fraction of the acid by eliminating the catalytic material therefrom and adding the purified portion and the unpurified portion to an electrolyzed solution of the separated crystals and subsequently distilling the mixture.

2,234,909
APPARATUS FOR CLEANING CYLINDER HEADS
Fred C. Arey, Freeport, and De Los E. Hibner, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation, a corporation of Pennsylvania
Application August 5, 1939, Serial No. 288,486
9 Claims. (Cl. 141—1)



1. In combination, means to support a plurality of cylinder heads and turn them step by step about a horizontal axis and bringing them to rest at the end of each step, and means for automatically discharging jets of cleaning fluid against said heads while they are moving and interrupting the jetting during the times when the heads are at rest.

2,234,910
CRACKING HYDROCARBON OILS
Joseph M. Barron, Tulsa, Okla., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 21, 1939, Serial No. 280,264
6 Claims. (Cl. 196—58)



1. In the conversion of higher boiling hydrocarbon oils into lower boiling products, the process that comprises passing the oil through a heated coil of restricted cross-section wherein the oil is heated to a cracking temperature, delivering the resultant heated products at cracking temperature to a series of enlarged reaction chambers through which the products undergoing reaction pass in succession and in the last of which separation of vapors from residue takes place, passing the products from one reaction chamber to the succeeding reaction chamber and withdrawing separated residue from the last reaction chamber at such rates as to prevent the accumulation of any substantial body of liquid in any of said reaction chambers, causing the products undergoing reaction in each of said reaction chambers, except said last one, to flow downwardly while causing the separated vapors to flow upwardly in said last reaction chamber, maintaining said reaction chambers under superatmospheric pressure of the order of 200–600 pounds and at temperatures of the order of 850° F. by means of the heated products flowing from said heating coil, applying a cooling spray of gas oil to an upper portion of the wall of said

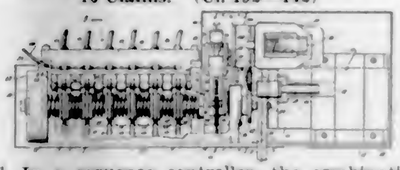
last reaction chamber in quantity in a given unit of time of the order of 1%–3% of the quantity of upwardly rising vapors therein expressed in terms of liquid oil to maintain a down-flowing film thereon and removing the separated vapors from said last reaction chamber and subjecting them to fractionation to separate a desired distillate product from heavier condensate.

2,234,911

SEQUENCE CONTROLLER

Ralph C. Davis, Akron, and Clarence W. Graham, Parma, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 29, 1936, Serial No. 118,174
10 Claims. (Cl. 192—142)



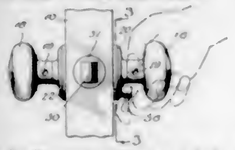
1. In a sequence controller, the combination of a motor, a cam shaft driven thereby, cam units on said cam shaft, mechanisms operated in determinate sequence by said cam units, and selectively positionable means for stopping the drive of the motor after the cam shaft has rotated a determinate part of one revolution.

2,234,912

KNOB SPINDLE LOCK

Morris Falk, Leominster, Mass., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts

Application September 9, 1938, Serial No. 229,050
8 Claims. (Cl. 292—359)



1. In a door lock comprising a latch operating spindle adapted to pass through a bore in a door, a rose plate adapted for fastening to one side of the door and through which one end of the spindle is adapted to protrude, and locking mechanism for said latch operating spindle adapted to be positioned beneath said rose plate and comprising a rotatable member coaxial with said spindle and rotatable therewith, and a rotatable element adapted to lock said member against rotation and means for rotating said element adapted to extend into a second bore in said door and carrying operating means at one end, and adapted to be engaged by a key at its other end and arranged to be extended within the confines of said second bore in said door.

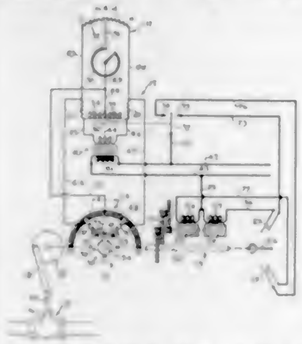
2,234,913

AUTOMATIC RESET MECHANISM

John E. Haines, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 23, 1936, Serial No. 112,331
6 Claims. (Cl. 236—78)

1. In combination, a device to be positioned in a plurality of positions to control the value of a condition to be controlled, control resistance means the resistance value of which is varied in accordance with changes in the value of the condition to be controlled, relay means in control of said device, balancing resistance means including a resistance member and a slider member, means for operating one of the members upon operation of the device, slidable contact means engaging said balancing resistance member, connections between said control resistance means, said relay means and the slider member and contact means of the balancing resistance means, means tending to hold the contact means stationary with respect to the balancing resistance member, and means operated by said device for overcoming said last mentioned means to move the contact means with respect to said balancing resistance member.

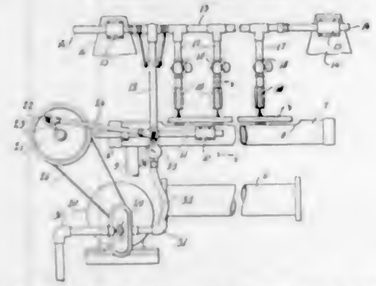


2,234,914

ATTACHMENT FOR DYEING YARNS

Ralph R. Janes, Roanoke, Va., assignor to Roanoke Mills, Inc., Roanoke, Va.

Application December 9, 1939, Serial No. 308,362
1 Claim. (Cl. 68—205)



A strand dyeing machine comprising a dye collecting trough having its upper side open, means for traversing strands across and above said trough in spaced relation thereto, a plurality of spraying nozzles above said strands and above the open side of the trough, means for supplying dye to all of said nozzles from the same source of supply, means for reciprocating said nozzles in fixed relation to each other in a direction across said strands, a reciprocating bar adjacent the trough, means for reciprocating said bar, a dye conductor pipe carried by the reciprocating bar and extending upwardly and terminating in a portion above the trough, guide means for the portion of the pipe above the trough, downwardly extending branch pipes carried by the portion of the dye supply pipe and positioned to discharge into the trough, said nozzles being carried by said branch pipes, and valves in said branch pipes.

2,234,915

LUBRICATING OIL

Samuel Edward Jolly, Prospect Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application October 11, 1939, Serial No. 298,979
4 Claims. (Cl. 252—51)

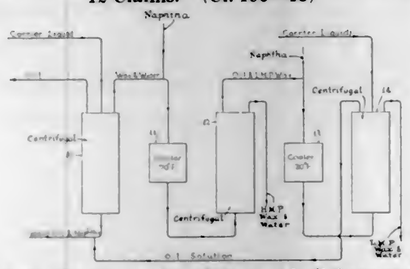
1. A lubricating oil to which has been added a minor percentage of a nitrile, derived from petroleum and halogenated, containing over 5% and less than 50% of the halogen.

2,234,916

PROCESS OF DEWAXING HYDROCARBON OILS

Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware

Application December 2, 1938, Serial No. 243,560
12 Claims. (Cl. 196—18)



1. In the separation of wax and oil from each other, the process comprising, feeding a mixture of oil and precipitated wax to a centrifugal rotor, feeding a hot aqueous carrier liquid of higher specific gravity than either the oil or wax to said centrifugal rotor, subjecting the mixture to centrifugal stratification within said rotor, discharging oil as the lighter phase from said rotor, discharging wax containing some entrained oil together with said carrier liquid as the heavier phase from the rotor, adding a diluent of lower specific gravity than said wax to the mixture of wax and carrier liquid discharged from said rotor, passing the mixture so produced to a second centrifugal rotor at a temperature above the freezing point of the carrier liquid and sufficiently high to maintain a substantial part of the wax in solution, but sufficiently low to maintain a higher melting part of the wax content of the mixture in precipitated form, subjecting the mixture to centrifugal stratification in said second centrifugal rotor, discharging oil, containing a part of the wax in solution, as the lighter phase from said second centrifugal rotor, and discharging wax of high melting point together with said carrier liquid as the heavier phase from said second centrifugal rotor.

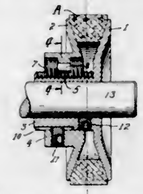
2,234,917

VARIABLE PITCH PULLEY

Paul F. Koch, Oak Park, Ill., assignor to Chicago Die Casting Manufacturing Company, a corporation of Illinois

Application July 31, 1940, Serial No. 348,675
6 Claims. (Cl. 74—230.17)

1. A pulley comprising two complementary flange sections; one of said sections having a long hub extending through the second section, the second section being provided with a hub surrounding the aforesaid hub, said long hub having in the periphery a longitudinal screw-threaded groove, and a short screw mounted in the second hub so as to be held against lengthwise movements relative to the latter while free to rotate therein indefinitely in either direction, said screw lying partly in said groove and having its threads meshing with those in the groove.

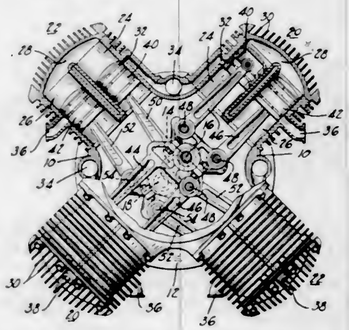


2,234,918

INTERNAL COMBUSTION ENGINE

Owen C. Linthwaite, South Bend, Ind., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 13, 1935, Serial No. 31,193
14 Claims. (Cl. 123—53)



8. An engine having a crankcase, a crankshaft journalled in the crankcase, opposed power units fixed to opposite sides of the crankcase, said power units including a plurality of parallel communicating cylinders, pistons slidably mounted in the cylinders, an inlet port projecting through the side walls of one of the cylinders and an exhaust port projecting through the side walls of another of the cylinders, both of said ports being positioned to be closed and opened by the pistons, and connecting means including a master rod and three articulated rods interconnecting the pistons and each pair of opposed power units and the crankshaft.

2,234,919

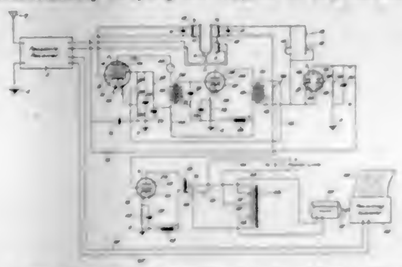
FACSIMILE SYNCHRONIZING SYSTEM

Hugh C. Ressler, Richmond, Staten Island, N. Y., assignor to Radio Inventions, Inc., New York, N. Y., a corporation of New York

Application August 15, 1938, Serial No. 224,863
11 Claims. (Cl. 178—69.5)

1. In a facsimile synchronizing system, the combination of, means for receiving synchroniz-

ing signals, a regenerated tuning fork, means for automatically varying the degree of regeneration



as a function of the amplitude of said synchronizing signals.

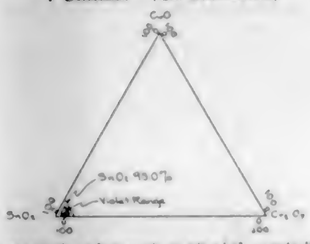
2,234,920

CERAMIC COLOR

William D. Stillwell, South Euclid, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

Application March 15, 1939, Serial No. 262,075

7 Claims. (Cl. 106—36.2)



1. A ceramic pigment material containing oxides of tin, chromium and copper, chromium and copper oxides together amounting to more than one and less than five per cent of the weight of the tin oxide.

2,234,921

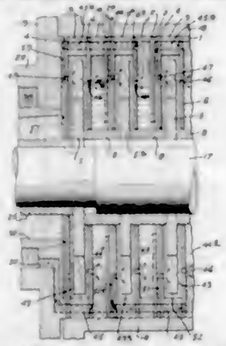
APPARATUS FOR COUNTERCURRENT TREATMENT OF IMMISCIBLE FLUIDS

Wells Alan Webb, Albany, Calif., assignor of forty per cent to William D. Ramage, Berkeley, Calif., and ten per cent to Robert M. McManigal, Compton, Calif.

Application September 13, 1938, Serial No. 229,793

8 Claims. (Cl. 261—83)

1. An apparatus for the treatment of substantially immiscible liquids of differing densities which comprises a rotating shell having a relatively large number of spacers and discs dividing said shell into a relatively large number of treating zones arranged in contiguous relationship to form a series, every third treating zone comprising a mixing zone containing an agitator, contiguous to one side of said mixing zone a converging zone for the purpose of contacting the liquids at an interface, ports located at said interface for conducting the liquids into the mixing zone, ports located on the opposite side of said mixing zone for conducting the liquids out of the mixing zone and into a separating zone, a conduit for connecting the outermost portion of said separating zone with the outermost portion of a preceding converging zone, means for connecting the innermost portion of said separating chamber with the innermost portion of a succeeding converging chamber, means for supplying the less dense liquid to the first zone of the series, means for withdrawing the less dense liquid from the last zone of the series, means for supplying the denser liquid to the last zone of the series, means for withdrawing the



denser liquid after it has traversed the series and independent driving means for said shell and said agitators.

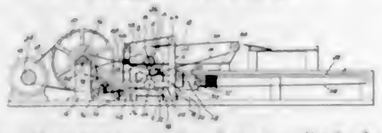
2,234,922

APPARATUS FOR APPLYING PHOTOGRAPHIC EMULSION UPON STATIONERY AND THE LIKE

Orville R. Betts, John W. Nevius, and Wilhelm Petrus Hendrickson, Long Beach, Calif., assignors to Zenith Progressive Photography Inc., Long Beach, Calif.

Application July 18, 1938, Serial No. 219,786

1 Claim. (Cl. 91—10)



In the apparatus of the class described adapted for applying an emulsion upon the paper surface, comprising, a stand, a frame member positioned upon said stand, a drive member associated with said frame and positioned upon said stand, a roller member rotatably mounted in said frame and operable by the said drive member, said roller member having a guiding tape disposed thereover which extends over and under the said stand and said frame for forming a continuous belt adapted for guiding the said paper into and out of the said roller member, an emulsion spreading roller member revolubly disposed beneath and driven by the said roller member positioned thereabove, a tank positioned underneath the said spreading roller for dispensing the said emulsion therefrom, a pair of pivot bar members pivotally connected to the said frame for holding the said spreading roller in place and for immersing it in said emulsion, an extension bar extending out of one of the said pivot bar members, a cam member positioned at the end of the said extension bar, means connected to said frame for engaging the said cam member for controlling the position of the said spreading roller within the said tank and beneath the upper roller member, a pair of grooved pulleys associated with the said frame and operable by the said drive member, a contact finger member connected to the shaft of one of the said grooved pulleys, a solenoid member connected to said frame energized by the electric current passing therethrough, a switch member positioned in close proximity to and operable by the said contact finger member for actuating said solenoid at each or every revolution of the said grooved pulley, and a draw bar member associated with the said solenoid and the said cam of the said extension bar for intermittently and pivotally actuating the said spreading roller into and out of the emulsion positioned within said tank and upon the paper surface passing thereover, during the operation of the apparatus.

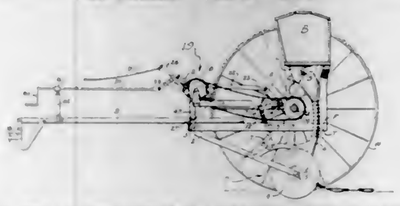
2,234,923

POWER LIFT

Gerald Geraldson, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation

Application December 30, 1938, Serial No. 248,371

16 Claims. (Cl. 97—244)



1. In a power lift for a planting device having a furrow opener the combination of a crank, an adjusting element pivoted to the crank for oscillatory movement upon rotation thereof, a screw extending lengthwise of the adjusting element, a link pivotally connected to the element at a point which is adjustable by rotation of the screw, said link extending substantially normal to said element in one position thereof and connected to maintain the furrow opener in inoperative position, said adjusting element being movable by rotation of said crank into a position oblique to said link for actuating the link to move the opener into operative position, and means for adjusting said screw for changing the amount of movement given to said link by the last mentioned movement of the adjusting element whereby to change the depth of operation of said opener without changing its position when inoperative.

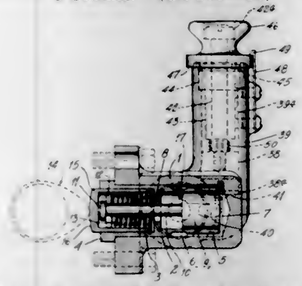
2,234,924

FUEL PUMP

Walter F. Green, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application May 25, 1938, Serial No. 209,866

3 Claims. (Cl. 103—42)



1. A pump comprising a housing having a cylinder, inlet and outlet passageways communicating with said cylinder, a piston in said cylinder, an inlet valve in said inlet passageway, means adapted upon a predetermined pressure in said cylinder to permit fluid, after passing through the inlet valve to be returned by-passed to said inlet passageway on the inlet side of the last mentioned valve, said housing having a second cylinder communicating with said end of said first mentioned cylinder, a priming piston reciprocable in said second cylinder, and means located exteriorly of said housing for manually reciprocating said priming piston, said priming piston being reciprocable by the impulses from said first mentioned piston during such predetermined pressure to thereby continuously reciprocate said manually operable means and thus indicate that the pump is by-passing fluid.

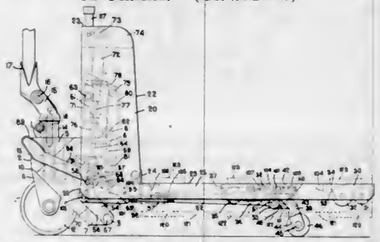
2,234,925

ELEVATING TRUCK FOR PALLETS AND THE LIKE

Russell Hastings, Jr., Wellesley Hills, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts

Application December 28, 1939, Serial No. 311,231

31 Claims. (Cl. 254—2)



1. An elevating truck comprising a head, wheeled steering mechanism mounted in said head, load supporting means, parallel side links connecting the front end of said load supporting means to said head, and movable relatively to the horizontal, lifting means operable to raise the front end of said load supporting means and in cooperation with said links to move the same longitudinally, lifting means pivotally connected to the rear end portion of said load supporting means having floor-engaging wheels mounted on the free end thereof, and means operable by the movements of said load supporting means simultaneously to cause said rear lifting means to raise the rear end of said load supporting means without substantially varying the length of the wheel base between the steering wheels and the wheels of said rear lifting mechanism.

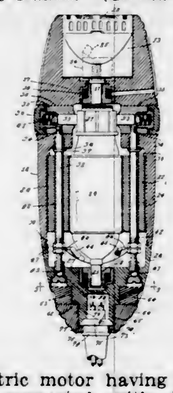
2,234,926

ELECTRIC MOTOR

Ivar Jepson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

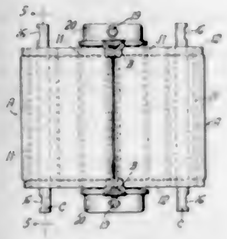
Application May 21, 1938, Serial No. 209,232

19 Claims. (Cl. 172—36)



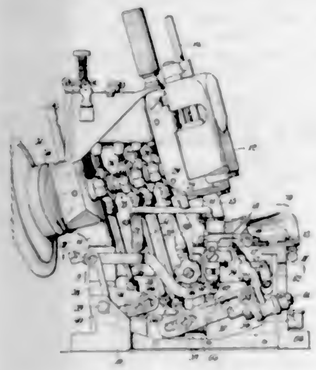
1. An electric motor having bolts serving as field leads connected with the commutator brushes and serving also to hold sectional portions of the motor housing in assembled relation.

2,234,927
LINK FOR ENDLESS TRACTION BELTS
Le Roy M. Kubaugh, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 19, 1939, Serial No. 285,313
3 Claims. (Cl. 305—10)



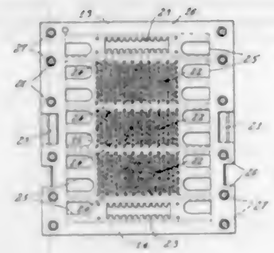
1. A link for endless traction belts, said link comprising a body structure of rubber and a metallic insert therein, said insert comprising a unitary structure fabricated from a pair of parallel tubular bearing sleeves joined at their ends to a pair of end plates, said end plates providing sharply defined perpendicular shoulders at their juncture with the sleeves, said body structure being vulcanized to the insert after fabrication thereof at all points of contact therewith.

2,234,928
SEWING MACHINE
Frank A. Kucera, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1937, Serial No. 153,302
8 Claims. (Cl. 112—215)



1. In a sewing machine feed, the combination of a feed bar provided with means for carrying a feed dog at one end and having a depression adjacent said means, and also having an opening therethrough, operating means below said feed bar for imparting to and fro movement thereto, an actuating connection for said operating means extending therefrom up through said opening in the feed bar, and means for imparting up and down movement to the feed dog end of said feed bar extending down from above into said depression, and pivotally connected to the feed bar therein.

2,234,929
SHAVING IMPLEMENT
John W. Lynch, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application November 22, 1939, Serial No. 305,714
5 Claims. (Cl. 30—43)



1. A shaving implement comprising a supporting frame of metal having longitudinal members connected by a series of spaced ribs, a thin resilient shearing plate conforming to the shape of said ribs and having edges extending over the longitudinal members of the frame, a series of rivets extruded from a side of each longitudinal member and swaged over said edges of the plate, the rivet bodies being swaged off center in a direction to exert a pull on the plate to draw it against the ribs and positively clamp it to the frame, and a cooperating movable shearing member.

2,234,930
ORNAMENTAL CLASP
Christopher L. Migliaccio, Providence, R. I., assignor to Hingeco Vanities, Inc., Providence, R. I., a corporation of Rhode Island
Application June 20, 1940, Serial No. 341,485
2 Claims. (Cl. 24—49)



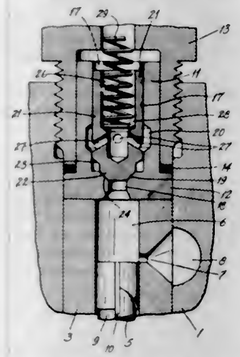
1. In an ornamental clasp, a pair of oppositely assembled thin concavo-convex sheet metal members each including a shallow tapering finger portion and a half-round shoulder portion of conic figure having at its end a semi-circular pocket, a solid button-like filler including a head flange of the size of the interior capacity of the pocket pair, a neck of a size filling the pocket and shoulder junction and a bottom flange disposed within the shoulders in supporting relation to the adjacent opposite shoulder pairs, and a head encirclement tightly holding said pocket portions on said filler as an end fulcrum for the finger portions whereby they are yieldably united as a unitary article.

2,234,931
TREATMENT OF SUPERCOOLED SHORTENING
Roy C. Newton and Guy W. Phelps, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 24, 1937, Serial No. 132,808
6 Claims. (Cl. 99—118)

2. The method of treating supercooled shortening which comprises passing the supercooled fluid shortening through approximately one hundred sixty feet of two inch unrefrigerated pipe.

4. The method of treating supercooled plastic oleaginous comestibles which comprises subjecting the supercooled fluid comestibles to attrition and permitting the heat of crystallization to dissipate by passing the material through an unrefrigerated pipe capable of subjecting the material to attrition and dissipating the heat of crystallization equivalent to the attrition and dissipation of the heat of crystallization which would be secured in an unrefrigerated two inch pipe not less than one hundred twenty feet.

2,234,932
FUEL INJECTION DELIVERY VALVE
Oswald Schlaupitz, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 20, 1937, Serial No. 175,548
3 Claims. (Cl. 251—144)



1. A delivery valve for a fuel injection pump comprising a valve holder having a cylindrical bore extending vertically therethrough, the side wall of said bore being imperforate and the lower end of said bore being an inlet and the upper end an outlet, said bore having an annular groove therein and a conical valve seat below said groove, and a spring loaded cylindrical delivery valve having a snug sliding fit in said bore and having a reduced lower end portion adapted to engage said valve seat and forming an exterior annular abutment surface on said valve above the level of the seat engaging portion thereof adapted during the opening movement of said valve to pass above the level of the lower edge of said annular groove after said valve leaves said conical valve seat and adapted during the closing movement of said valve to pass below said level before said valve engages said seat, said valve having an axial bore leading downwardly from the upper end thereof and terminating short of the lower end thereof and radial ports above the level of said exterior annular abutment surface adapted to establish communication between the axial bore in said valve and the annular groove in the axial valve receiving bore of said valve holder in all positions of the sliding movement of said valve.

2,234,933
LEVO-1-PHENYL-2-METHYL-ETHYLAMINO PROPANOL-1 AND ACID ADDITION SALTS THEREOF AND PROCESS FOR MAKING THEM
Robert S. Shelton, Mariemont, Ohio, assignor to The Wm. S. Merrell Company, Reading, Ohio, a corporation of Delaware
No Drawing. Application December 2, 1938, Serial No. 243,543
7 Claims. (Cl. 260—572)

1. The process of preparing 1-phenyl 2-methyl-ethylamino propan-1-ol which comprises reacting 1-phenyl 2-methylamino propan-1-ol with diethyl sulfate and recovering unreacted 1-phenyl 2-methylamino propan-1-ol from the reaction product by precipitation from aqueous solution as the oxalate.

6. Compounds of the class consisting of levo-1-phenyl 2-methylethylamino propan-1-ol and its acid addition salts.

2,234,934
WAX SUSPENSION
John Vernon Steinle and Anton E. Budner, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
No Drawing. Application December 13, 1939, Serial No. 308,962
6 Claims. (Cl. 134—1)

1. A self-lustering aqueous wax suspension comprising a colloidal suspension of a hard wax in water, as an emulsifying agent the reaction product of a fatty acid of high molecular weight and an alkaline reacting substance selected from the group consisting of monoethanolamine, diethanolamine, triethanolamine, and morpholine, and an oil soluble dye, wherein the said dye is a component part of the solid dispersed phase of the suspension, and wherein said emulsifying agent holds the dispersed phase in such small particle size that the composition will dry with substantial lustre when merely applied to a surface and exposed to the atmosphere.

2,234,935
VEGETABLE WAX
John Vernon Steinle and Elbert S. McLoud, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
No Drawing. Application April 26, 1940, Serial No. 331,806
6 Claims. (Cl. 260—428)

1. The method of manufacturing raw material wax cakes from vegetable wax powder which comprises steeping the wax powder in a solvent capable of dissolving chlorophyl, removing the solvent from the wax powder, heating the powder to a temperature above the melting point of the wax, filtering the resulting molten mass to remove the leafy material and cooling the filtrate.

2,234,936
PUMP AND PROCESS OF SETTING THE PISTON THEREOF
Ray D. Streby, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application March 26, 1938, Serial No. 198,211
8 Claims. (Cl. 103—41)

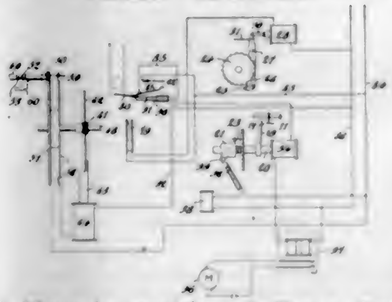
1. A pump comprising a cylinder having a by-

pass port therein, a piston in said cylinder having a groove with a helical edge adapted at a predetermined point in the pressure stroke of said piston to establish communication between said port and the pressure chamber of said cylinder, a driven sleeve fixed to said piston, a driving sleeve rotatable about the axis of said piston and having a pinion and an axial sliding driving connection with said driven sleeve, and an axially slidable control rod having a rack intermeshing with said pinion, one of said sleeves constituting



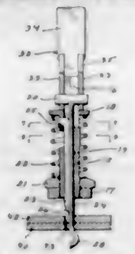
one of a set of sleeves adapted for interchangeable use with said pump, the circumferential relation of the points of connection between said one sleeve of said set and the driving member therefor and the member driven thereby being different from the corresponding relation of such points of connection of any other sleeve of said set, whereby said one sleeve of said set is adapted to provide a selected setting of said helical edge of said groove relative to said by-pass port different from that of any other sleeve of said set.

2,234,937
REMOTE CONTROL DEVICE FOR AUTOMATIC PHONOGRAPHS
Russell I. Wilcox, Berwyn, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application November 12, 1938, Serial No. 239,957
7 Claims. (Cl. 177—353)



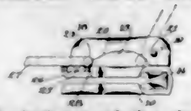
1. Means for remotely controlling a plurality of selector elements, comprising a control member disposed in operative relation to said selector elements for selective movement in registering alinement with one or another of said elements and for an operative movement in a direction to actuate an alining selector element to selecting position, a selector device remote from the selector elements including an arrangement of manually-selective push buttons simulating that of the selector elements and corresponding in number thereto, a selector-registering member movable to a plurality of selective positions relative to said push buttons, means governed by said push buttons for predetermining the selective movement of said member in accordance with a button selected, means operatively connected to said control member and said selector-registering member and governed by the latter for setting the control member in alinement with a selector element companion to the push-button selected, and means for operating said control member in a direction to actuate the alined selector element to selecting position.

2,234,938
CLAMP FOR PERFORATED SHEET MATERIAL
Edward K. Degener, Los Angeles, Calif.
Application September 16, 1940, Serial No. 357,037
12 Claims. (Cl. 85—5)



12. A sheet clamp comprising a body member, a body member, pilot and clamping rods independently slidable in the body member, and a cam actuated tensioning means active between the body member and rods for clamping superposed sheets between the body member and the clamping rod.

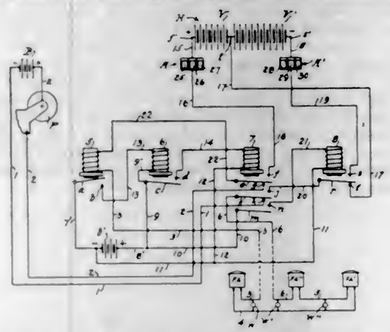
2,234,939
SEPARABLE FASTENER
Richard A. Hatch, New Rochelle, N. Y., assignor to Talon, Inc., a corporation of Pennsylvania
Application October 4, 1937, Serial No. 167,091
5 Claims. (Cl. 24—205.5)



1. In a slide fastener of the class described, a slider movable from one end to the other of the fastener for opening and closing the same, a pull member connected to the slider, a slider locking device having means engageable by said pull member, means for automatically moving the locking device to locked position when the pull member is released at any position during the closing movement of the slider, and means cooperating with said pull member for holding the locking device in unlocked position when the pull member is released during opening movement of the slider.

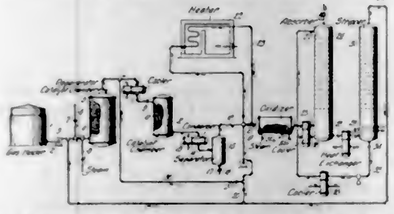
2,234,940
SELF-RESTORING ALARM SYSTEM
Richard M. Hopkins, Keansburg, N. J., assignor to American District Telegraph Company, Inc., New York, N. Y., a corporation of New Jersey
Application January 7, 1938, Serial No. 183,748
13 Claims. (Cl. 177—367)

1. A signal system comprising a line loop; a receiver normally adapted to be influenced by line loop current; normally closed code transmitters in the loop; shunts shunting different loop portions and including normally non-conductive breakdown devices of resistance sufficient to resist normal voltage during transmitter



operation; and means for applying normal voltage to the line loop, and means set in operation by line loop break for applying to the line, until a device is broken down, increased voltage sufficient to break down a device.

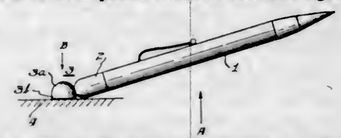
2,234,941
METHOD OF SYNTHESIZING HYDROCARBONS
Percival C. Keith, Jr., Peapack, N. J.
Application May 18, 1938, Serial No. 208,588
7 Claims. (Cl. 260—449)



3. A process for producing liquid hydrocarbons by synthesis of carbon monoxide and hydrogen, comprising the steps of oxidizing a mixture of methane and carbon dioxide to produce a carbon monoxide-hydrogen mixture having a ratio of substantially one to one, synthesizing the carbon monoxide mixture in the presence of a hydrogenation catalyst at temperatures of about 200° C., separating the liquid and unreacted gas resulting from the synthesis, oxidizing the carbon monoxide contained in a portion of the unreacted gas in a second oxidizing step, removing carbon dioxide, and recycling another portion of the unreacted gas to be recharged with the methane and carbon dioxide to the initial oxidizing step, said carbon dioxide being that removed from said second oxidizing step.

2,234,942
COMBINED WRITING IMPLEMENT AND MAGNIFYING DEVICE
Edgar B. Nichols, Moorestown, N. J.
Application July 24, 1939, Serial No. 286,072
1 Claim. (Cl. 88—39)

A device of the class described comprising, in combination, a casing for a writing implement constituting a holder, a cap member associated with and forming an extension of said casing and a magnifying lens secured directly to said cap member, said lens comprising a spherical lens portion and a cylindrical portion terminating in a plane surface adapted to lie flat against the material to be examined and having a focal length such that said material will be in focus with said lens when said plane surface lies flat against it,



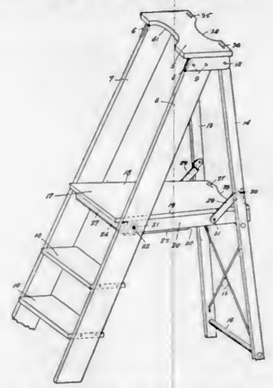
and said cap member being secured to said lens at one side of said lens with the axis of said casing forming an obtuse angle with said plane surface such that when said plane surface lies flat against said material, said casing extends upwardly away from said material sufficient to permit encircling of said casing by the fingers.

2,234,943
TROLLING DEVICE
Gustave E. Nyman, Tacoma, Wash.
Application May 23, 1939, Serial No. 275,273
9 Claims. (Cl. 43—52)



1. A device of the character described comprising a substantially flat body member, a connecting member pivotally connected to said body member and to which a trolling line is attachable, and means movable with respect to said body member to shift the center of gravity of the device to at least partially control the angular position of said connecting member with respect to said body member.

2,234,944
COLLAPSIBLE LADDER
Howard B. Rich and Albert Kramer, Cincinnati, Ohio
Application July 3, 1939, Serial No. 282,731
2 Claims. (Cl. 228—17)



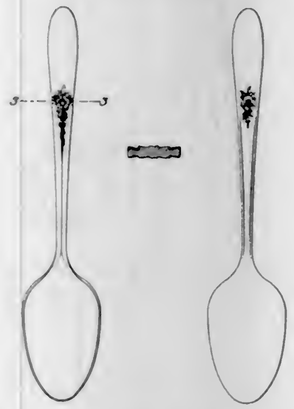
1. In a collapsible ladder of the platform type, the combination of a head piece and a pair of spaced straight front legs secured thereto at an

inclination to the plane of the head piece, steps supported upon said front legs, pivot means on the legs at an elevation above the steps, a platform having a forward end attached to said pivot means whereby said platform may be swung from a position in substantial parallelism with the front legs, to a horizontal position transversely thereof, a pair of rear legs pivoted to the head piece and movable in unison toward and into substantial coplanar parallelism with the front legs, at each side of the ladder, in the collapsed condition of the ladder, an abutment adjacent to each rear leg located at an elevation thereon to limit the pivotal movement of the platform to the operative horizontal position, a pair of short auxiliary suspension links for suspending a portion of the weight of the platform each having an end pivoted to a rear leg, and an opposite end pivoted to the platform, the first mentioned pivot end of each link being, in the fully extended condition of the ladder, disposed at such a higher elevation than the pivot end at the platform that the included angle formed between the link and the plane of the platform, is greater than the included angle formed between the link and the rear leg, whereby each link is caused to perform as an auxiliary support for the platform additional to the abutment aforesaid, and to provide a toggle action of the link movable past a dead center aligned relationship of the link with the mean plane of the platform, precluding accidental collapse of the ladder.

DESIGNS

MARCH 11, 1941

125,748
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Oneida, Mary Parker Fleming, Snyder, and Lloyd E. Ressegger, Oneida, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application January 16, 1941, Serial No. 98,118
Term of patent 14 years



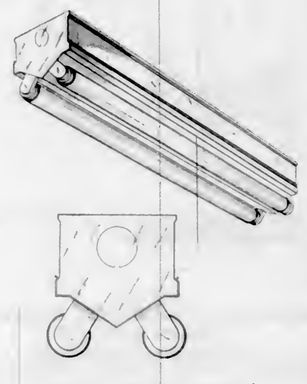
The ornamental design for a spoon or similar article, substantially as shown and described.

125,749
DESIGN FOR A SACHET HOLDER
Leo Aronson, Hillside, N. J., assignor to A. L. Siegel Co., Inc., Newark, N. J., a corporation of New York
Application January 8, 1941, Serial No. 97,889
Term of patent 14 years



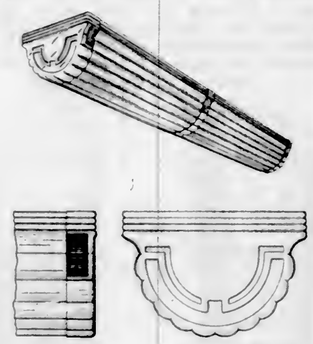
The ornamental design for a sachet holder, as shown.

125,750
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application January 6, 1941, Serial No. 97,822
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, as shown.

125,751
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application January 18, 1941, Serial No. 98,183
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, as shown.

125,752
DESIGN FOR A BELT ATTACHMENT FOR ARTIFICIAL LEGS
Emmett Blevens, Louisville, Ky.
Application March 8, 1940, Serial No. 90,771
Term of patent 14 years



The ornamental design for a belt attachment for artificial legs, as shown.

125,753
DESIGN FOR A MOURNING BADGE OR SIMILAR ARTICLE
Paul Brown, Nyack, N. Y.
Application October 28, 1940, Serial No. 96,141
Term of patent 14 years



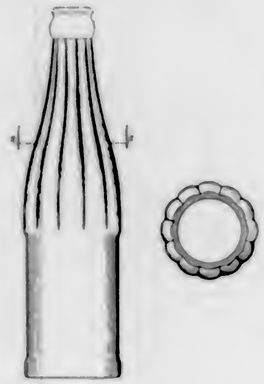
The ornamental design for a mourning badge or similar article, as shown.

125,754
DESIGN FOR A COSMETIC CONTAINER
Laurence J. Colwell, New York, N. Y., assignor to Charles of the Ritz, Inc., New York, N. Y., a corporation of Delaware
Application December 17, 1940, Serial No. 97,402
Term of patent 14 years



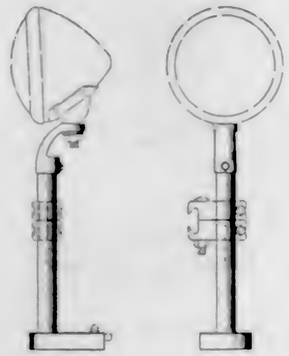
The ornamental design for a cosmetic container, as shown and described.

125,755
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Thomas D'Addario, New York, N. Y., assignor to Myer Products, Inc., New York, N. Y., a corporation of New York
Application April 22, 1940, Serial No. 91,837
Term of patent 7 years

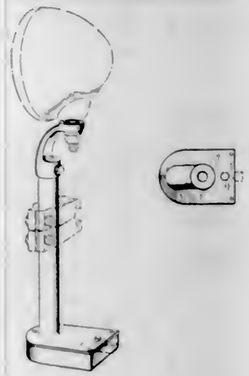


The ornamental design for a bottle or similar article, substantially as shown, and described.

125,756
DESIGN FOR A COMBINED AUTOMOBILE LAMP AND SUPPORT THEREFOR
Harold J. Dobmeier, Kenmore, N. Y.
Application July 10, 1940, Serial No. 93,543
Term of patent 7 years



125,756—Continued



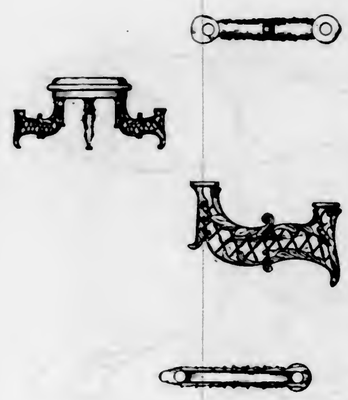
The ornamental design for a combined automobile lamp and support therefor, substantially as shown and described.

125,757
DESIGN FOR A TELEPHONE STAND OR THE LIKE
Halbert Creston Doner, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application August 28, 1940, Serial No. 94,682
Term of patent 7 years



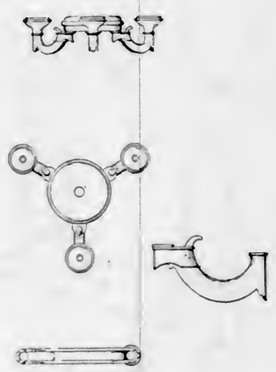
The ornamental design for a telephone stand or the like, substantially as shown.

125,758
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application June 13, 1940, Serial No. 92,964
Term of patent 14 years



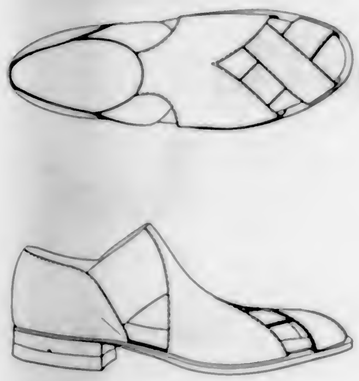
The ornamental design for a lamp head, as shown.

125,759
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,088
Term of patent 14 years



The ornamental design for a lamp head, as shown and described.

125,760
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Richard E. Freeman, Beloit, Wis., assignor to Freeman Shoe Corporation, Beloit, Wis., a corporation of Wisconsin
Application December 26, 1940, Serial No. 97,617
Term of patent 3½ years



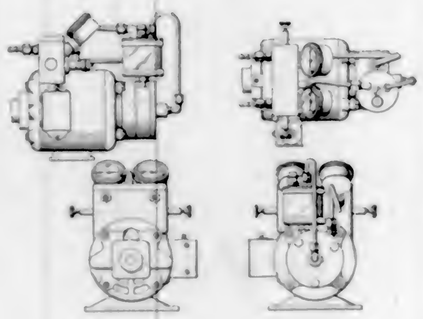
The ornamental design for a shoe or similar article, substantially as shown.

125,761
DESIGN FOR DRAFTING TABLE
George E. Froelich, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application June 27, 1940, Serial No. 93,285
Term of patent 14 years



The ornamental design for a drafting table, substantially as shown and described.

125,762
DESIGN FOR AN EMBALMING MACHINE
Thomas A. Gilmore and Louis Junod, Brooklyn, N. Y.
Application December 11, 1940, Serial No. 97,267
Term of patent 14 years



The ornamental design for an embalming machine, as shown.

125,763
DESIGN FOR AN ADVERTISING DISPLAY UNIT
Morris Goldstein, New York, N. Y.
Application July 9, 1938, Serial No. 78,375
Term of patent 7 years



The ornamental design for an advertising display unit, substantially as shown.

125,764
DESIGN FOR A GAUGE DIAL OR SIMILAR ARTICLE
Carl H. Graesser, Southport, and Joseph V. Tracy, Fairfield, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application October 30, 1940, Serial No. 96,201
Term of patent 7 years



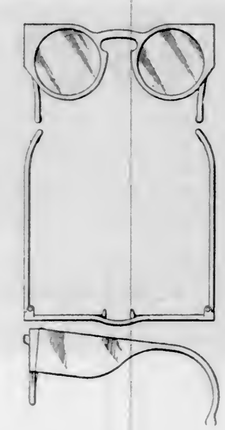
The ornamental design for a gauge dial or similar article, substantially as shown.

125,765
DESIGN FOR A PORTABLE SEARCH LAMP
George E. Gravenstine, Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application July 29, 1940, Serial No. 93,999
Term of patent 14 years



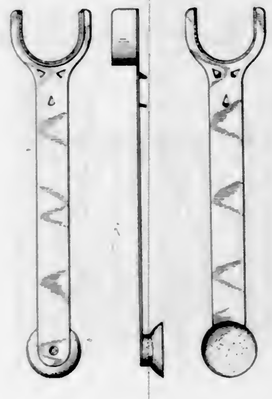
The ornamental design for a portable search lamp, substantially as shown and described.

125,766
DESIGN FOR A PAIR OF GOGGLES
Charles J. Haag, Carlstadt, N. J., assignor to Columbia Protektosite Co., Incorporated, Carlstadt Township, Bergen County, N. J., a corporation of New Jersey
Application February 24, 1940, Serial No. 90,477
Term of patent 7 years



The ornamental design for a pair of goggles, substantially as shown.

125,767
DESIGN FOR A HOLDER FOR FISHING POLES OR THE LIKE
George F. Hilts, Grand Rapids, Mich.
Application June 7, 1940, Serial No. 92,874
Term of patent 3½ years



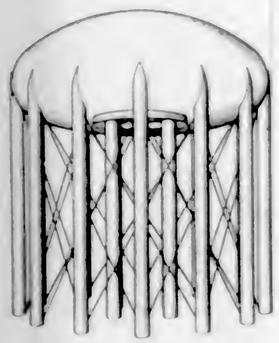
The ornamental design for a holder for fishing poles or the like, as shown.

125,768
DESIGN FOR SUNGLASSES
Julius Hommer, Newark, N. J., assignor to Lapin Products, Inc., New York, N. Y., a corporation of New York
Application April 3, 1940, Serial No. 91,429
Term of patent 3½ years



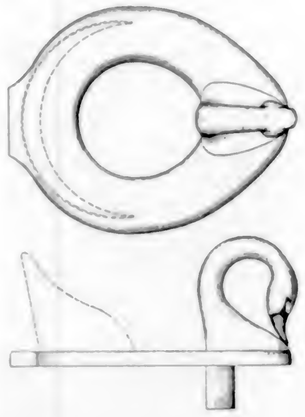
The ornamental design for sunglasses, substantially as shown and described.

125,769
DESIGN FOR AN ELEVATED TANK
George T. Horton, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application October 7, 1940, Serial No. 95,674
Term of patent 14 years



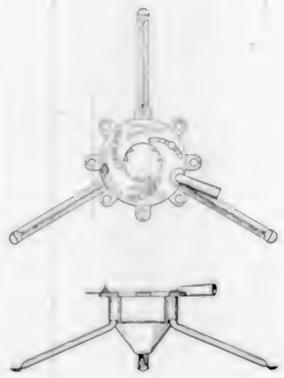
The ornamental design for an elevated tank, as shown.

125,770
DESIGN FOR A CHILD'S TOILET SEAT
Paul F. Jockwig and David L. Hirsch, New York, N. Y., assignors to Abell Chair & Novelty Mfg. Co., Inc., Brooklyn, N. Y.
Application January 16, 1941, Serial No. 98,126
Term of patent 7 years



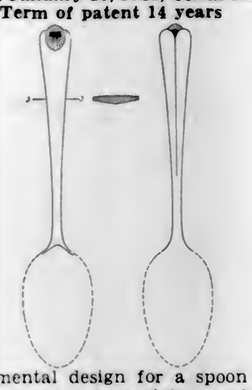
The ornamental design for a child's toilet seat, substantially as shown.

125,771
DESIGN FOR A CHRISTMAS TREE STAND
Lothar R. Kiesow, Oak Park, Ill.
Application July 20, 1940, Serial No. 93,819
Term of patent 7 years



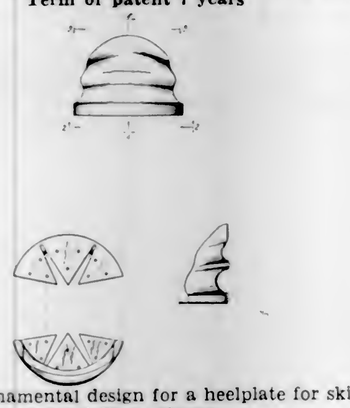
The ornamental design for a Christmas tree stand, substantially as shown.

125,772
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Alfred G. Kintz, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application January 10, 1941, Serial No. 97,951
Term of patent 14 years



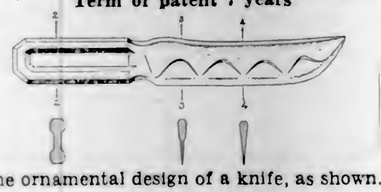
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

125,773
DESIGN FOR A HEELPLATE FOR SKIING BOOTS
Alan C. Macauley, Pasadena, Calif.
Application December 28, 1940, Serial No. 97,696
Term of patent 7 years



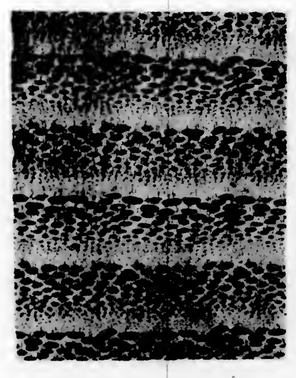
The ornamental design for a heelplate for skiing boots, substantially as shown.

125,774
DESIGN FOR A KNIFE
Edward K. Madan, Maplewood, N. J.
Application January 23, 1941, Serial No. 98,314
Term of patent 7 years



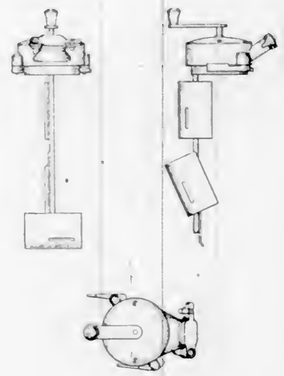
The ornamental design of a knife, as shown.

125,775
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application February 12, 1941, Serial No. 98,970
Term of patent 3½ years



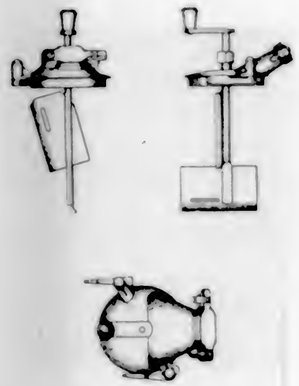
The ornamental design for a textile fabric, as shown.

125,776
DESIGN FOR A PAINT STIRRER
Paul Marienthal, Detroit, Mich.
Application November 25, 1940, Serial No. 96,799
Term of patent 14 years



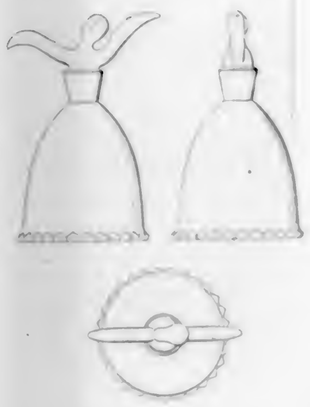
The ornamental design for a paint stirrer, substantially as shown.

125,777
DESIGN FOR A PAINT STIRRER
Paul Marienthal, Detroit, Mich.
Application November 25, 1940, Serial No. 96,800
Term of patent 14 years



The ornamental design for a paint stirrer, substantially as shown.

125,778
DESIGN FOR A BOTTLE
Ladislas Medgyes, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application November 5, 1940, Serial No. 96,298
Term of patent 7 years



The ornamental design for a bottle, as shown.

125,779
DESIGN FOR A DENTAL BRUSH
Thorvald H. Mikkelsen, Chicago, Ill.
Application January 2, 1941, Serial No. 97,775
Term of patent 14 years



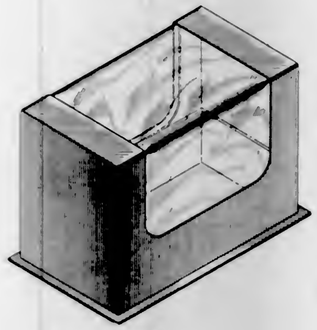
The ornamental design for a dental brush, as shown.

125,780
DESIGN FOR AN ASH HOLDER
Katharine S. Miller, Des Moines, Iowa
Application July 12, 1940, Serial No. 93,585
Term of patent 3½ years



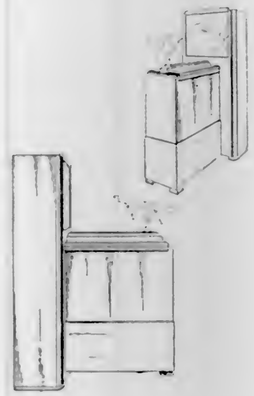
The ornamental design for an ash holder, as shown.

125,781
DESIGN FOR A DISPLAY BOX
Reginald A. Nagle, Rochester, N. Y.
Application August 6, 1940, Serial No. 94,265
Term of patent 14 years



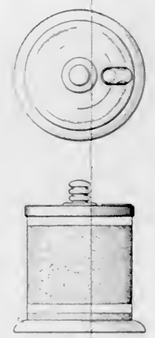
The ornamental design for a display box, substantially as shown.

125,782
DESIGN FOR A MARKSMANSHIP APPARATUS CABINET
Nels A. Nelson and George A. Gast, Chicago, Ill., assignors to Bally Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 30, 1940, Serial No. 97,728
Term of patent 3½ years



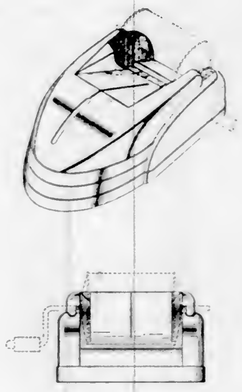
The ornamental design for a marksmanship apparatus cabinet, as shown and described.

125,783
DESIGN FOR A CIGARETTE DISPENSER
William C. Panzer, Chicago, Ill., assignor to Russakov Can Company, Chicago, Ill., a corporation of Illinois
Application June 20, 1940, Serial No. 93,136
Term of patent 7 years



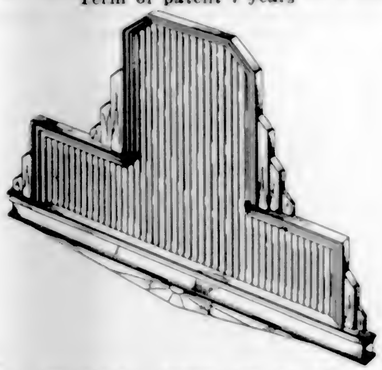
The ornamental design for a cigarette dispenser, substantially as shown.

125,784
DESIGN FOR A DUPLICATOR
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 1, 1940, Serial No. 96,253
Term of patent 14 years



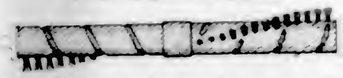
The ornamental design for a duplicator, as shown and described.

125,785
DESIGN FOR AN ADVERTISING SIGN
Charles E. Rohkar, Tulsa, Okla.
Application January 6, 1941, Serial No. 97,834
Term of patent 7 years



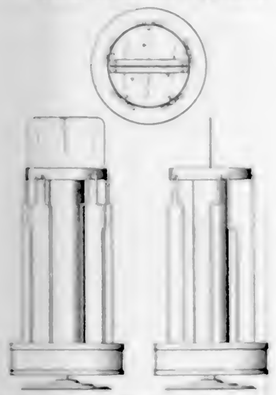
The ornamental design for an advertising sign, substantially as shown.

125,786
DESIGN FOR A ROTARY BRUSH FOR VACUUM CLEANERS
Theodore A. Schaad, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application May 15, 1940, Serial No. 92,393
Term of patent 14 years



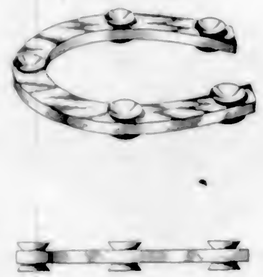
The ornamental design for a rotary brush for vacuum cleaners, substantially as shown and described.

125,787
DESIGN FOR A COUNTER DISPLAY CASE
Thomas A. Schutz, Chicago, Ill., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
Application January 18, 1941, Serial No. 98,180
Term of patent 3½ years



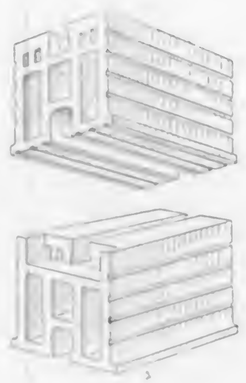
The ornamental design for a counter display case, as shown.

125,788
DESIGN FOR A QUOIT
Henry Singer, Honolulu, Territory of Hawaii, assignor of one-fourth to Everett H. K. Lum and one-fourth to David H. C. Lum, both of Honolulu, Territory of Hawaii
Application July 29, 1940, Serial No. 93,993
Term of patent 14 years



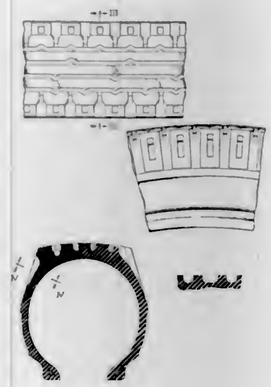
The ornamental design for a quoit, as shown.

125,789
DESIGN FOR A BUILDING BLOCK
Ernst Steinhard, London, England
Application July 30, 1940, Serial No. 94,044
In Great Britain January 30, 1940
Term of patent 14 years



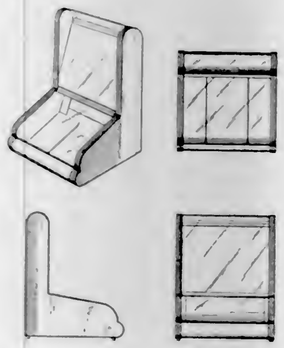
The ornamental design for a building block, as shown.

125,790
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 6, 1940, Serial No. 97,117
Term of patent 14 years



The ornamental design for a pneumatic tire, as shown.

125,791
DESIGN FOR A MERCHANDISE DISPLAY CASE
José Trojan, Chicago, Ill., assignor to Owen Housholder and David C. Cohen, copartners, doing business as Crystal Manufacturing Co., Chicago, Ill.
Application January 27, 1941, Serial No. 98,410
Term of patent 3½ years



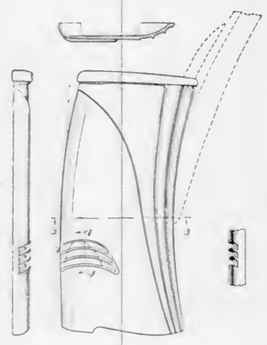
The ornamental design for a merchandise display case, substantially as shown.

125,792
DESIGN FOR A CARPET OR SIMILAR ARTICLE
Allon Wildgust, Philadelphia, Pa., assignor to Hardwick & Magee Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 21, 1940, Serial No. 97,551
Term of patent 3½ years



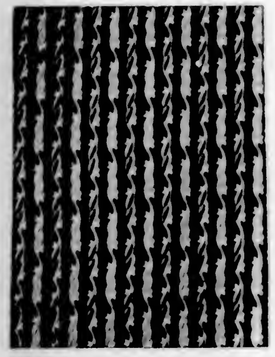
The ornamental design for a carpet or similar article, substantially as shown.

125,793
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application July 27, 1939, Serial No. 86,268
Term of patent 14 years



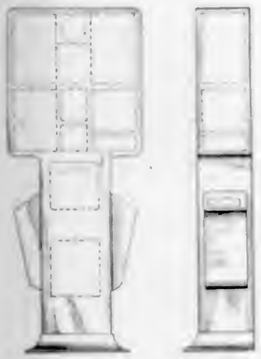
The ornamental design for a chair, as shown and described.

125,794
DESIGN FOR A TEXTILE FABRIC
Frances A. Brooks, New York, N. Y.
Application January 29, 1941, Serial No. 98,504
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,795
DESIGN FOR A BARBER'S CABINET
Daniel Du Bois, Poughkeepsie, N. Y.
Application March 11, 1940, Serial No. 90,834
Term of patent 14 years



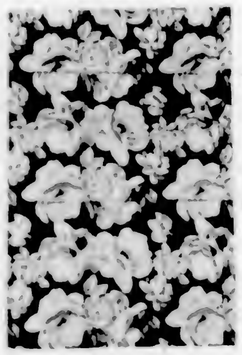
The ornamental design for a barber's cabinet, as shown and described.

125,796
DESIGN FOR A TEXTILE FABRIC
Howard Horn, New York, N. Y.
Application February 12, 1941, Serial No. 98,967
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

125,797
DESIGN FOR A TEXTILE FABRIC
Howard Horn, New York, N. Y.
Application February 12, 1941, Serial No. 98,969
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

125,798
DESIGN FOR A TEXTILE FABRIC
George M. Kates, New York, N. Y.
Application January 21, 1941, Serial No. 98,195
Term of patent 3½ years



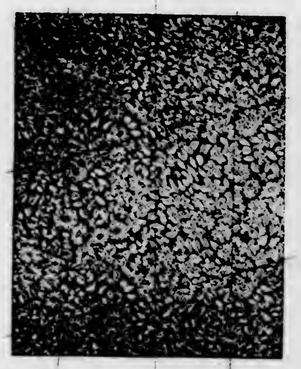
The ornamental design for a textile fabric, substantially as shown.

125,799
DESIGN FOR A TEXTILE FABRIC
Harvey E. Kivelson, Lawrence, N. Y.
Application December 16, 1940, Serial No. 97,365
Term of patent 3½ years



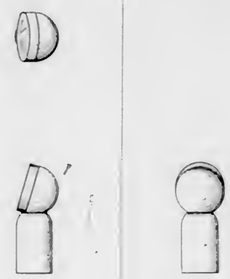
The ornamental design for a textile fabric, as shown.

125,800
DESIGN FOR A TEXTILE FABRIC
Arthur H. Morrow, New York, N. N. Y.
Application February 5, 1941, Serial No. 98,759
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

125,801
DESIGN FOR A COMBINED MAGNIFYING LENS AND PENCIL CAP OR SIMILAR ARTICLE
Edgar B. Nichols, Moorestown, N. J.
Application July 24, 1939, Serial No. 86,216
Term of patent 7 years



The ornamental design for a combined magnifying lens and pencil cap or similar article, as shown and described.

125,802
DESIGN FOR A PORTABLE DEGREASING UNIT
Willard D. Phillips and Ralph A. Van Fossen, Chicago, Ill., assignors, by direct and mesne assignments, to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application June 3, 1940, Serial No. 92,782
Term of patent 14 years



The ornamental design for a portable degreasing unit, as shown.

125,803
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 21, 1941, Serial No. 98,259
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,804
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 21, 1941, Serial No. 98,262
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,805
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Andrew W. Roth, New York, N. Y.
Application January 22, 1941, Serial No. 98,288
Term of patent 3½ years



The ornamental design for a scarf or similar article, substantially as shown and described.

125,806
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 27, 1941, Serial No. 98,436
Term of patent 3½ years



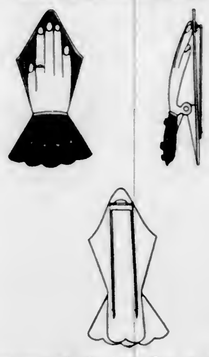
The ornamental design for a textile fabric, substantially as shown.

125,807
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Arnold Zavell, New York, N. Y.
Application December 21, 1940, Serial No. 97,533
Term of patent 3½ years



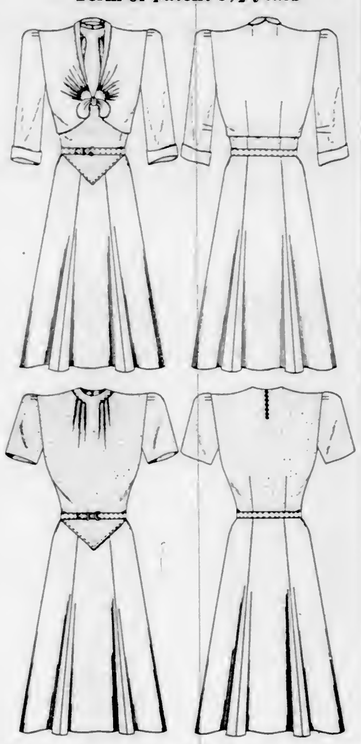
The ornamental design for a textile fabric or similar article, as shown.

125,808
DESIGN FOR A LAPEL CLIP
Margery Cummings, Beverly Hills, Calif.
Application February 6, 1941, Serial No. 98,796
Term of patent 3½ years



The ornamental design for a lapel clip, substantially as shown.

125,809
DESIGN FOR A DRESS ENSEMBLE
Sylvia Franklin, New York, N. Y.
Application January 11, 1941, Serial No. 97,981
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,810
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application January 11, 1941, Serial No. 97,982
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,811
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application January 11, 1941, Serial No. 97,983
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,812
DESIGN FOR A DRESS ENSEMBLE
Grace Gansche, New York, N. Y.
Application January 2, 1941, Serial No. 97,768
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,813
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Louis Garfinkel, Providence, R. I.
Application February 3, 1941, Serial No. 98,691
Term of patent 3½ years



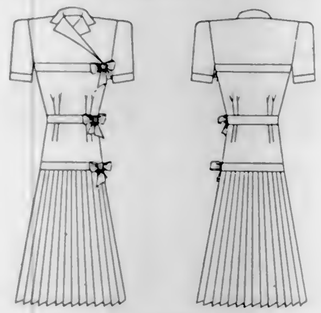
The ornamental design for a brooch or similar article, substantially as shown.

125,814
DESIGN FOR A TEXTILE FABRIC
Howard Horn, New York, N. Y.
Application February 8, 1941, Serial No. 98,839
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

125,815
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application November 12, 1940, Serial No. 96,483
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,816
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,779
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,817
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,780
Term of patent 3½ years



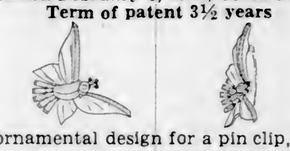
The ornamental design for a pin clip, as shown.

125,818
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,781
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,819
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,782
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,820
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,783
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,821
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,784
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,822
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,785
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,823
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,786
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,824
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,787
Term of patent 3½ years



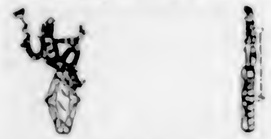
The ornamental design for a brooch or similar article, as shown.

125,825
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,788
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,826
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application February 8, 1941, Serial No. 98,789
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,827
DESIGN FOR A DRESS
Blanche Price, Chicago, Ill.
Application January 11, 1941, Serial No. 97,986
Term of patent 3½ years



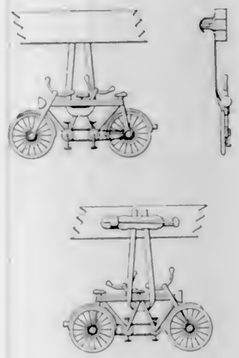
The ornamental design for a dress, substantially as shown.

125,828
DESIGN FOR A SUIT
Nettie Rosenstein, New York, N. Y.
Application January 2, 1941, Serial No. 97,763
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

125,829
DESIGN FOR A NOVELTY PIN
Noah Rubin, New York, N. Y.
Application January 31, 1941, Serial No. 98,564
Term of patent 3½ years



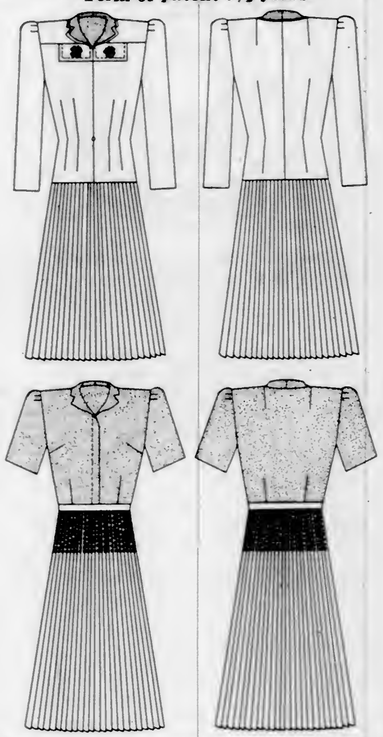
The ornamental design for a novelty pin, as shown.

125,830
DESIGN FOR A SUIT
Bruno Staehle, New York, N. Y.
Application January 9, 1941, Serial No. 97,905
Term of patent 3½ years



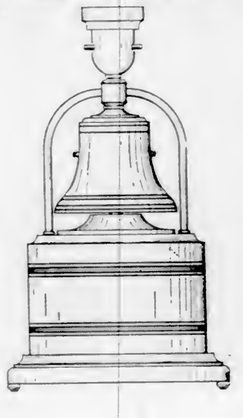
The ornamental design for a suit, substantially as shown.

125,831
DESIGN FOR A DRESS ENSEMBLE
Bruno Staehle, New York, N. Y.
Application January 9, 1941, Serial No. 97,906
Term of patent 3½ years

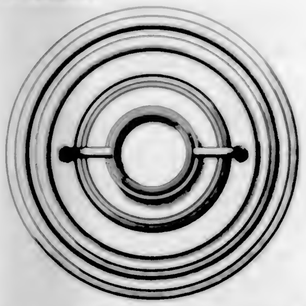


The ornamental design for a dress ensemble, substantially as shown and described.

125,832
DESIGN FOR A HEARING AID AMPLIFIER
Christian A. Volf, Van Nuys, Calif.
Application June 29, 1940, Serial No. 93,333
Term of patent 7 years



125,832—Continued



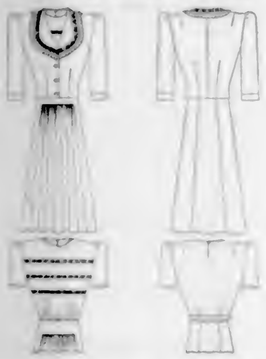
The ornamental design for a hearing aid amplifier, substantially as shown.

125,833
DESIGN FOR A DRESS
Augusta Berin, New York, N. Y.
Application January 15, 1941, Serial No. 98,069
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,834
DESIGN FOR A DRESS ENSEMBLE
Augusta Berin, New York, N. Y.
Application January 15, 1941, Serial No. 98,070
Term of patent 3½ years



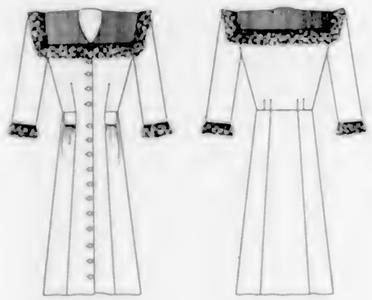
The ornamental design for a dress ensemble, as shown.

125,835
DESIGN FOR A DRESS
Augusta Berin, New York, N. Y.
Application January 15, 1941, Serial No. 98,071
Term of patent 3½ years



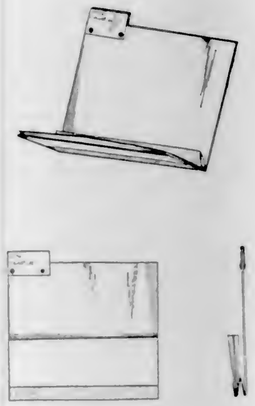
The ornamental design for a dress, as shown.

125,836
DESIGN FOR A DRESS
Augusta Berin, New York, N. Y.
Application January 15, 1941, Serial No. 98,074
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,837
DESIGN FOR A COMBINED STATEMENT, SIGNATURE AND CHECK FILE
Sidney S. Goldstein and Jack Lieberman, New York, N. Y.
Application August 24, 1940, Serial No. 94,602
Term of patent 14 years



The ornamental design for a combined statement, signature and check file, substantially as shown and described.

125,838
DESIGN FOR A SHOE
Alfred Johnson, Chicago, Ill.
Application December 6, 1940, Serial No. 97,110
Term of patent 7 years



The ornamental design for a shoe, as shown.

125,839
DESIGN FOR A DRESS
Florence Laye, New York, N. Y.
Application November 6, 1940, Serial No. 96,356
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

125,840
DESIGN FOR A DRESS
Marie Mancuso, New York, N. Y.
Application January 15, 1941, Serial No. 98,075
Term of patent 3½ years



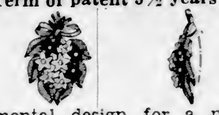
The ornamental design for a dress, as shown.

125,841
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,770
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,842
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,771
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,843
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,772
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,844
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,773
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,845
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,774
Term of patent 3½ years



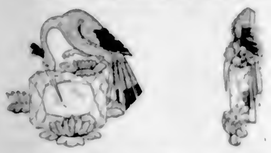
The ornamental design for a pin clip, as shown.

125,846
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,775
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,847
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,776
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,848
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,777
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,849
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 6, 1941, Serial No. 98,778
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,850
DESIGN FOR A SUIT
Nettie Rosenstein, New York, N. Y.
Application January 2, 1941, Serial No. 97,762
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

125,851
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 13, 1941, Serial No. 98,025
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,852
DESIGN FOR A TEXTILE FABRIC
Andrew Wm. Roth, New York, N. Y.
Application January 13, 1941, Serial No. 98,026
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,853
DESIGN FOR A TEXTILE FABRIC
Andrew Wm. Roth, New York, N. Y.
Application January 13, 1941, Serial No. 98,027
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,854
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 13, 1941, Serial No. 98,028
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,855
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application February 1, 1941, Serial No. 98,633
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,856
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application January 21, 1941, Serial No. 98,191
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

125,857
DESIGN FOR A HEIGHT INDICATING RULE SLIDE
Samuel George Zuckerman, Brooklyn, N. Y.
Application December 19, 1940, Serial No. 97,468
Term of patent 14 years



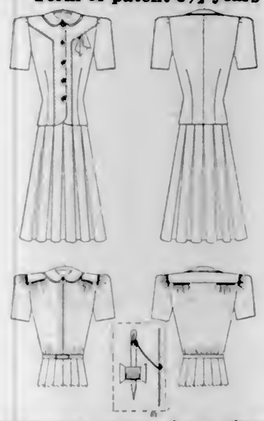
The ornamental design for a height indicating rule slide, substantially as shown and described.

125,858
DESIGN FOR A DRESS
Augusta Berin, New York, N. Y.
Application January 15, 1941, Serial No. 98,072
Term of patent 3½ years



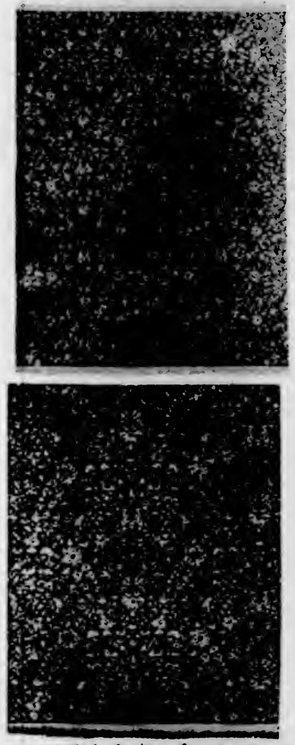
The ornamental design for a dress, as shown.

125,859
DESIGN FOR A DRESS ENSEMBLE
Alfred O. Gilbert, Chicago, Ill.
Application November 26, 1940, Serial No. 96,847
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

125,860
DESIGN FOR A RUG OR SIMILAR ARTICLE
Frank A. Haas, New York, N. Y.
Application December 30, 1940, Serial No. 97,706
Term of patent 7 years



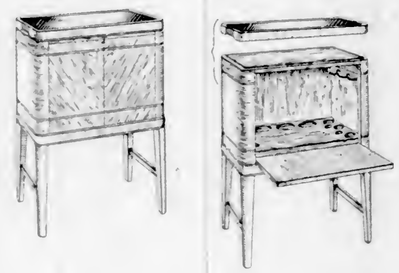
The ornamental design for a rug or similar article, substantially as shown.

125,861
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application December 5, 1940, Serial No. 97,077
Term of patent 3½ years



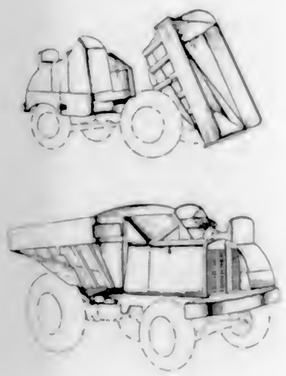
The ornamental design for a dress ensemble, substantially as shown.

125,862
DESIGN FOR A LIQUOR SERVING CABINET
Herman Kranz, Los Angeles, Calif.
Application September 17, 1940, Serial No. 95,132
Term of patent 3½ years



The ornamental design for a liquor serving cabinet, as shown and described.

125,863
DESIGN FOR A COMBINATION DIRT CARRYING AND DUMPING VEHICLE
Gene L. Omon, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application March 21, 1940, Serial No. 91,131
Term of patent 14 years



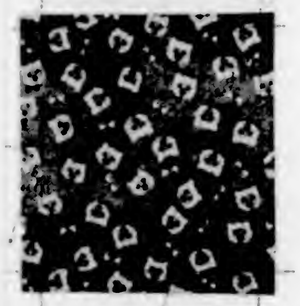
The ornamental design for a combination dirt carrying and dumping vehicle, substantially as shown.

125,864
DESIGN FOR A DRESS ENSEMBLE
Julia Richards, Brooklyn, N. Y.
Application October 11, 1940, Serial No. 95,774
Term of patent 3½ years



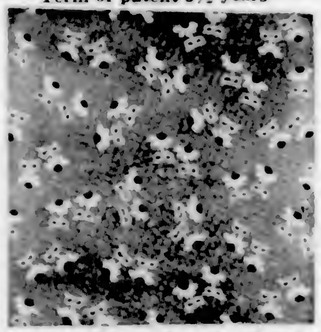
The ornamental design for a dress ensemble, substantially as shown and described.

125,865
DESIGN FOR A TEXTILE FABRIC
Sidney Ross, New York, N. Y.
Application January 15, 1941, Serial No. 98,077
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

125,866
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 22, 1941, Serial No. 98,284
Term of patent 3½ years



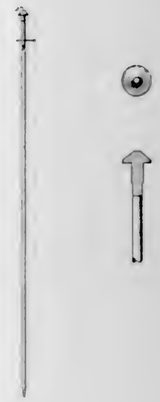
The ornamental design for a textile fabric, substantially as shown.

125,867
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 27, 1941, Serial No. 98,432
Term of patent 3½ years



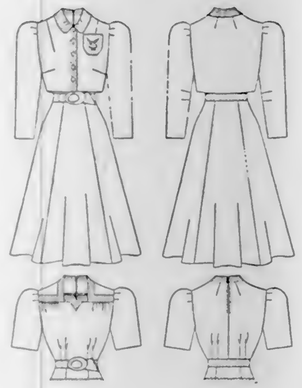
The ornamental design for a textile fabric, substantially as shown.

125,868
DESIGN FOR A KNITTING PIN
Edward D. Davis, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1940, Serial No. 94,067
Term of patent 14 years



The ornamental design for a knitting pin, as shown.

125,869
DESIGN FOR A DRESS ENSEMBLE
Lucy Hoshafian, Forest Hills, N. Y.
Application January 9, 1941, Serial No. 97,922
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

125,870
DESIGN FOR A DRESS ENSEMBLE
Lucy Hoshafian, Forest Hills, N. Y.
Application January 9, 1941, Serial No. 97,923
Term of patent 3½ years



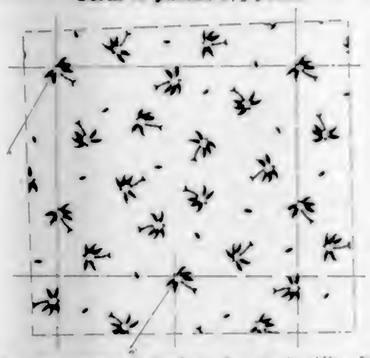
The ornamental design for a dress ensemble, as shown.

125,871
DESIGN FOR A TEXTILE FABRIC
Sylvia Sherman, New York, N. Y.
Application February 3, 1941, Serial No. 98,684
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

125,872
DESIGN FOR A TEXTILE FABRIC
Sylvia Sherman, New York, N. Y.
Application February 3, 1941, Serial No. 98,687
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

125,873
DESIGN FOR A DRESS
Pauline E. Fields, New York, N. Y.
Application January 15, 1941, Serial No. 98,067
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,874
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application December 31, 1940, Serial No. 97,759
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,875
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application January 2, 1941, Serial No. 97,766
Term of patent 3½ years



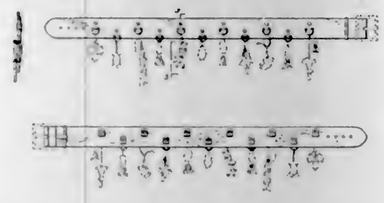
The ornamental design for a dress, substantially as shown.

125,876
DESIGN FOR A DRESS ENSEMBLE
Gertrude Rothchild, New York, N. Y.
Application January 3, 1941, Serial No. 97,799
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown and described.

125,877
DESIGN FOR A BELT
Marian Halstead Taft, Washington, D. C.
Application December 4, 1939, Serial No. 88,682
Term of patent 3½ years



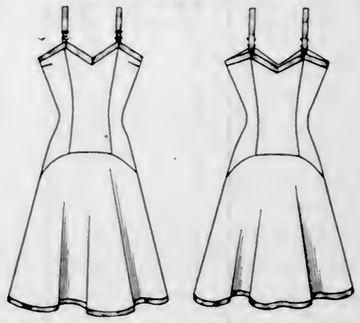
The ornamental design for a belt, substantially as shown.

125,878
DESIGN FOR A DRESS
Frederick Wilkins, Brooklyn, N. Y.
Application January 11, 1941, Serial No. 97,998
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

125,879
DESIGN FOR A SLIP
Semon Wolf, New York, N. Y.
Application January 16, 1941, Serial No. 98,115
Term of patent 3½ years



The ornamental design for a slip, substantially as shown.

125,880
DESIGN FOR A SLIP
Semon Wolf, New York, N. Y.
Application January 21, 1941, Serial No. 98,193
Term of patent 3½ years



The ornamental design for a slip, substantially as shown.

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March 18, 1941

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Reissues	4—No.	21,751 to No.	21,754, inclusive.
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Designs	159—No.	125,881 to No.	126,039, inclusive.
Total	1,274		

Adjudicated Patents

(D. C. N. Y.) Sexton patent, No. 1,589,248, for hair curling and waving device, *Held* invalid. *Girard Trust Co.* v. *Schwartz-Gilbert Co.*, 36 F. Supp. 218.

(C. C. A. N. Y.) Braun patent, No. 2,017,941, for device for cleaning receptacles, claims 12 and 13 *Held* not infringed. *Carl Braun, Inc.*, v. *Kendall-Lamar Corporation*, 116 F.(2d) 663.

(C. C. A. Tenn.) Goodwin patent, No. 2,048,158, for apparatus for purifying and cleaning water, *Held* invalid. *Goodwin* v. *Carloss Co.*, 116 F.(2d) 644.

(D. C. Ill.) Gengler reissue patent, No. 19,922, for stock enclosure and system of electrically charging the same, claim 1 *Held* invalid. *Gengler* v. *Sears, Roebuck & Co.*, 36 F. Supp. 228.

(D. C. Ill.) Storck reissue patent, No. 19,951, for apparatus for developing imprinted matter, claim 3 *Held* infringed by one of defendant's machines, but not by another, and claims 19, 21, 29, 30, 32, and 34 *Held* not infringed. *Standard Mailing Machines Co.* v. *Ditto, Inc.*, 36 F. Supp. 221.

(D. C. Ill.) Heidger reissue patent, No. 20,725, for electric fence, claims 1, 3, and 6 *Held* invalid. *Gengler* v. *Sears, Roebuck & Co.*, 36 F. Supp. 228.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,059,151, E. S. Smith, Jr., Telemetric proportioning system, decided July 25, 1940, claim 1.

Pat. 2,059,152, E. S. Smith, Jr., Telemetric controller, decided July 25, 1940, claims 7, 8, 9, 11, 12, 13, 23, 26, 27, 30, 31, and 32.

Pat. 2,134,956, M. A. Scheg, Alternating current relay, decided February 8, 1941, claims 1, 2, 3, 4, 5, 6, 7, 9, 10, and 11.

Pat. 2,130,281, Max Knoll, Electron discharge tube, decided January 6, 1941, claims 3, 4, and 10.

Des. Pat. 116,426, M. N. Bryan, Design for hat, decided February 25, 1941, the claim as shown.

Trade-Mark Registrations Canceled

143,755. Canned fruits and vegetables. Talbot Packing & Preserving Co., Easton, Md. Registered June 7, 1921. Canceled February 14, 1941.

255,149. Certain named cleaning preparations and polishes. Rose Krantz, doing business as General Sales Company, Brooklyn, N. Y. Registered April 16, 1929. Canceled February 14, 1941.

374,546. Prophylactic rubber articles. The Union Trading Co., Ltd., Hongkong, China. Registered January 16, 1940. Canceled February 14, 1941.

380,094. Rubber packing for pipe joints. Hayes R. Kuhns, Killbuck, Ohio. Registered August 6, 1940. Canceled February 14, 1941.

380,597. Knitted pile fabrics in the piece. Jacob A. Rubenstein, New York, N. Y., assignor to Security Mills, Inc., Newtown, Mass. Registered August 27, 1940. Canceled February 24, 1941.

383,098. Piece goods. Wellington Sears Company, Incorporated, New York, N. Y. Registered November 19, 1940. Canceled February 24, 1941.

383,588. Concreting machinery and equipment. Garlinghouse Brothers, Los Angeles, Calif. Registered December 17, 1940. Canceled February 24, 1941.

Condition of Applications Under Examination at Close of Business March 1, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,965; Trade-Mark Division, 1,383. Oldest new case, May 21, 1940; oldest amended, May 21, 1940.)

Room No.	Divisions, Examiners, and Subjects of Inventions (The dates given are 1940 except where † indicates 1941)	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
5624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 30	Sept. 23	455
5708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 31	July 30	624
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 3	†Jan. 2	306
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Nov. 9	Oct. 31	475
3077	5. ROBINSON, C. W., Harvesters; Music; Accoustics; Sound Recording; Knotters; Buckles, Buttons.	Oct. 17	Oct. 19	398
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 29	July 24	993
5725	7. JARBOE, C. G., Optics; Photography	Sept. 6	Aug. 26	1,032
2885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Aug. 14	Aug. 19	879
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 2	Oct. 2	592
6612	10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 3	Dec. 4	164
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 30	Nov. 1	450
7701	12. HENRY, O. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 12	Sept. 9	472
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 13	Aug. 9	633
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 2	Nov. 1	575
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 7	Aug. 10	1,123
5716	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 4	Nov. 3	568
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 31	Oct. 26	524
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 30	Oct. 10	461
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 14	Oct. 12	487
5606	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 26	Aug. 30	276
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 14	Oct. 21	374
4600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 21	May 21	1,525
7824	23. BUTTNER, W. J., Registers (part)	July 16	July 17	239
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 30	July 25	967
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 13	Sept. 27	530
4893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 30	Oct. 3	480
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 3	Sept. 9	680
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 3	Aug. 12	324
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Sept. 16	Sept. 21	715
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 4	Nov. 2	613
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 17	Sept. 17	1,378
4096	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 1	Nov. 16	778
5096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Nov. 4	Oct. 21	766
5625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 27	Aug. 9	346
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Dispensing; Portable Receptacles	Aug. 26	Oct. 1	805
7902	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 9	July 22	627
5096 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 14	Aug. 9	500
2084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 7	July 15	798
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 15	Oct. 18	494
7890	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Aug. 1	Aug. 1	1,664
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Sept. 28	Sept. 26	505
5082	42. CUTTINO, H. O., Electric Signaling	Sept. 11	Sept. 28	432
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 27	Sept. 27	646
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 3	Aug. 9	614
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Dec. 5	Nov. 30	357
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 10	Oct. 14	603
6087	47. KANOF, W. J. (Act.), Clutches; Brakes	Oct. 23	Sept. 12	413
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Oct. 2	Oct. 2	573
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 3	Sept. 3	813
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 27	Sept. 4	1,235
6628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 31	Dec. 21	294
7709	52. KNOTTS, M. E., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 16	Sept. 6	567
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 13	Aug. 9	815
5083	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 30	Nov. 4	364
5883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 30	Sept. 17	348
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Aug. 1	Aug. 1	1,238
6613	57. NICOLSON, O. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 18	Sept. 18	217
5605	58. DOWELL, F. F., Abrading; Bottles and Jars	Sept. 20	Sept. 23	543
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 30	Aug. 30	954
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 16	Dec. 7	285
5724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 3	Oct. 7	449
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 21	Sept. 26	224
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 17	July 19	1,132
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Nov. 4	Oct. 30	756
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Nov. 20	Nov. 22	317
2089 B	Trade-Marks: F. A. RICHMOND	†Jan. 1	†Jan. 27	1,189
2805	Designs: H. H. KALUPY	†Jan. 10	†Feb. 3	1,283

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

JAX ICE AND COLD STORAGE COMPANY, A CORPORATION, TRADING AS JAX BREWING COMPANY

v.

COE, COMMISSIONER OF PATENTS, AND JACKSON BREWING COMPANY, A CORPORATION

No. 7,554. Decided December 9, 1940

[— F.(2d) —]

DISTRICT COURT OF THE UNITED STATES FOR THE DISTRICT OF COLUMBIA—JURISDICTION—SECTION 4915 R. S. Rulings made in previous cases as to jurisdiction of the District Court of the United States for the District of Columbia in actions under section 4915 R. S., adhered to.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Thomas L. Mead, Jr., and *Mr. Ernest P. Rogers* for Jax Ice and Cold Storage Company, a Corporation, Trading as Jax Brewing Company.

Mr. W. W. Cochran for the Commissioner of Patents and *Mr. R. F. Whitehead* and *Mr. Herbert H. Porter* for Jackson Brewing Company, a Corporation.

Before STEPHENS, EDGERTON, and VINSON, *Associate Justices*.

PER CURIAM:

This case is governed by *Coe v. Hobart Manufacturing Company*, 70 App. D. C. 2, 102 F.(2d) 270, and *J. O. Eno (U. S.) Limited v. Coe*, 70 App. D. C. 337, 106 F.(2d) 858. We have carefully considered the earnest and thoughtful argument of appellant's counsel that we should overrule those cases, but we are still of opinion that they were rightly decided. The judgment appealed from is therefore affirmed.

U. S. Court of Appeals for the District of Columbia

MCGRAW-HILL PUBLISHING COMPANY, INC.,

v.

AMERICAN AVIATION ASSOCIATES, INC., ET AL.

No. 7,615. Decided Dec. 16, 1940

[— F.(2d) —]

1. TRADE-MARKS—"AVIATION" AND "AMERICAN AVIATION"

NOT CONFUSINGLY SIMILAR.

Where suit was brought by owner of registered trade-mark "Aviation" used on a periodical, for infringement and unfair competition based on use by defendant of the title

"American Aviation"

on a periodical *Held* that in all probability defendant's title will not be confused with plaintiff's mark and *Held* that plaintiff's mark is not infringed.

2. SAME—DESCRIPTIVENESS—VALIDITY OF REGISTRATION.

The mark "Aviation" used as a title for a periodical dealing with aeronautics *Held* descriptive of the goods and therefore not a trade-mark either under the statute or the common law, and the registration of said mark *Held* invalid.

3. SAME—UNFAIR COMPETITION.

"Unfair competition in the trade name field is not concerned with intent or plan; it is enough if the acts of the defendant in light of the plaintiff's reputation result in an unfair benefit to the former. To constitute unfair competition in respect to a trade name, two elements must be present. The name must have acquired a secondary meaning or significance that identifies the plaintiff; the defendant must have unfairly used the name or a simulation of it against the plaintiff."

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Charles R. Allen for McGraw-Hill Publishing Company, Inc.

Mr. Fred B. Rhodes, Mr. Cooper B. Rhodes, and *Mr. Robert F. Klepinger* for American Aviation Associates, Inc. et al.

Before GRONER, Chief Justice, and EDGERTON and VINSON, Associate Justices

VINSON, *A. J.*:

The McGraw-Hill Publishing Company filed a complaint against the American Aviation Associates and its president, Wayne W. Parrish, for trade-mark infringement and unfair competition. The district court dismissed the complaint. The plaintiff appeals.

[1] In 1928 the Aviation Publishing Corporation secured for its periodical a registration of the trade-mark, "Aviation."[1] In 1929 the trade-mark and the registration were assigned to the plaintiff. Since that time the plaintiff has published the magazine, "Aviation." In June 1937, the defendant corpora-

[1] The registration was made under the act of 1905. 33 Stat. 724, 15 U. S. C. A. § 81.

[2] *Thaddeus Davids Co.* v. *Davids Manufacturing Co.*, 233 U. S. 461; *S. S. Kresge Co.* v. *Winget Kickernick Co.*, 96 F.(2d) 978, 986–8 (CCA 8); *Brooks* v. *Great Atlantic & Pacific Tea Co.*, 92 F.(2d) 794 (CCA 9).

[3] Nims, Unfair Competition and Trade-Marks (3rd ed. 1929) § 324. Compare *New Metropolitan Fiction, Inc.* v. *Dell Pub. Co.*, 57 App. D. C. 244, 19 F.(2d) 718.

[4] No infringement, *Colburn* v. *Puritan Mills Inc.*, 108 F.(2d) 377 (CCA 7); infringement, *Noll* v. *Rinex Laboratories*, 25 F. Supp. 239 (D. C. Ohio), aff'd, 99 F(2d) 1013 (CCA 6).

[5] *Fawcett Publications* v. *Popular Mechanics Co.*, 80 F.(2d) 194 (CCA 3); *Warner Publication Inc.* v. *Popular Publications*, 87 F.(2d) 913 (CCA 2).

[6] 33 Stat. 726, 15 U. S. C. A. 85 (b).

[7] *Collegiate World Pub. Co.* v. *DuPont Pub. Co.*, 14 F.(2d) 158 (D. C. Ill.), aff'd. 25 F.(2d) 1018 (CCA 7); *Barton* v. *Rex-Oil Co.*, 2 F.(2d) 402 (CCA 3); *Photoplay Pub. Co.* v. *La Verne Pub. Co.*, 269 Fed. 730 (CCA 3). Under the 1920 act (41 Stat. 533, 15 U. S. C. A. § 121), a descriptive word can sometimes be registered. The Supreme Court has said, however, that this act does not alter any of the substantive domestic trade-mark law. *Armstrong Co.* v. *Nu-Enamel Corp.*, 305 U. S. 315, 333–6.

[8] *Lilly & Co.* v. *Warner & Co.*, 268 Fed. 156 (D. C. Pa.), 275 Fed. 752 (CCA 3). 265 U. S. 526; *Canal Co.* v. *Clark*, 80 U. S. 311, 323. Nims, Unfair Competition and Trade-Marks (3rd ed. 1929) §§ 201, 229 (5).

[9] *Wisconsin Electric Co.* v. *Dumore Co.*, 35 F.(2d) 555 (CCA 6); *Anheuser-Busch, Inc.*, v. *Budweiser Malt Products Corp.*, 295 Fed. 306 (CCA 2).

[10] 84 A. L. R. note 472, 486. See supra note 3.

[11] The plaintiff in its brief while arguing that there has been substantial confusion admits that, ". . . there is no known evidence that the defendant's magazine has been passed off for that of plaintiff . . ."

[12] Not unfair competition: *Standard Paint Co. v. Trinidad Asphalt Manufacturing Co.*, 220 U. S. 446, 460; *Pulitzer Pub. Co.* v. *Houston Printing Co.*, 11 F.(2d) 834, 836 (CCA 5). Unfair competition. *Armstrong* v. *Nu-Enamel Corp.*, 305 U. S. 315; *Warner & Co. Lilly & Co.*, 265 U. S. 526; *Socony-Vacuum Oil Co., Inc.*, v. *Rosen*, 108 F.(2d) 632 (CCA 6).

tion began publishing a periodical under the name of

"American
Aviation"

These facts outline the first issue to be considered, the charge that the defendant has infringed the plaintiff's trade-mark. The law of registered and common law trade-marks evolved from the broad doctrine of unfair competition. The cause of action for technical trade-mark infringement, however, rests upon a precise base. The "unfair competition" in an infringement action comes merely from interfering with the trade-mark itself. There is infringement if the words or designs used by the defendant are identical with, or so similar to, the plaintiff's that they are likely to cause confusion.[1]

In determining whether the words or designs create probable confusion, two methods may be followed. The marks themselves may be compared and contrasted; evidence may be introduced to show actual instances of confusion in the purchase of goods.

In following the first method, it must be remembered that the law of trade-marks is for the market place. Its purpose is to protect the several manufacturers in their respective spheres of public relations and to safeguard the consumer by helping him get what he thinks he wants. The method starts, therefore, with placing oneself in the position of a purchaser. One should look at the plaintiff's trade-mark to obtain a general impression, the impression that would be carried in the memory, and then to observe, still as a buyer, the defendant's mark to determine if it is likely to be mistaken for this "memory trade-mark" of the plaintiff.

Under such a test we conclude that the defendant's title

"American
Aviation"

will not, in all probability, be confused with the plaintiff's trade-mark, "Aviation." Although this conclusion is formed on the whole appearance, its expression must necessarily detail the differences. "Aviation" as registered and as used has all letters capitalized. The defendant's title capitalizes only the first letter. The plaintiff's first "A" in "Aviation" has a pointed top; the defendant's is flat. The defendant's title is composed of two words, "American" being displayed almost as prominently as "Aviation." Apparently, the defendant has consistently employed a winged design over the first "I" in "Aviation." We agree with the trial judge's statement,

"The printed titles upon the two magazines are quite different, and sufficiently so to indicate the difference to anyone wishing to buy either."

The audience of both magazines, moreover, is a special one. Both magazines have followed a definite policy of confining their circulation to the people who are working and studying in the aviation field. In fact the magazines do not attempt to appeal to all the subdivisions of that trade. The great bulk of the purchasers are mail subscribers. Such an audience is even less susceptible to confusion.[2]

The plaintiff, in addition, has followed the other, more reliable method of showing probable confusion by submitting evidence that purports to reveal disorder in the mind of the purchasing public. Upon examination this evidence proves to be spotty, and for the most part manifests the mistaking of personnel in the two publishing companies. Some of it reveals errors in addressing letters. Both types of mistakes are often made even in connection with old, well established concerns. It would be well within our everyday experience to find a person rather conversant with periodicals who forgot whether "John Jones" was associated with "The Saturday Evening Post" or with "Collier's" and whether the home office of the latter was New York or Philadelphia. A publisher though he has a registered trade-mark cannot be protected from all of the inadequacies of human thought and memory. We believe that the record shows only one instance of a person who ordered the defendant's magazine while meaning to place a subscription with the plaintiff. And this was a renewal subscription by a clerk of an embassy in a foreign country. Probable confusion cannot be shown by pointing out that at some place, at some time, someone made a false identification. The plaintiff did not show one instance of a newsstand purchaser receiving the magazine he did not intend to buy. Under both methods of determination, we conclude, without hesitation, that the defendant's title does not infringe the plaintiff's registered trade-mark.[3]

[2] There is an alternative ground for holding that there is no infringement. Plaintiff's trade-mark "Aviation" is not "arbitrary or fanciful," but descriptive. It is difficult to conceive of a term that would be more descriptive of the contents of the plaintiff's magazine. The plaintiff suggests that a descriptive word designates some physical characteristic. But that magazines may be described by their subject matter is too clear to be doubted.[4] The plaintiff further suggests that its magazine deals with aeronautics, more so than with aviation. It appears that the only difference the plaintiff infers is that while the term aeronautics applies to the art and science of operating all aircraft, aviation is confined to that aircraft which is heavier-than-air. To be able to find a term which is as, or even more, descriptive, does not answer the charge that the title involved is descriptive. The trial court found the term aviation to be descriptive; we would come to the same conclusion if the matter were for our independent judgment.

With this established, we turn to the act under which plaintiff registered the title, "Aviation."

". . . no mark which consists . . . merely in words or devices which are descriptive of the goods with which they are used . . . shall be registered . . ."[5]

Hence, the registration is invalid.[6] For the same reason the title cannot become a trade-mark at common law.[7] The defendant, then, has not infringed the "trade-mark," for the plaintiff has no trade-mark either under the statute or the common law.

[3] Another cause of action is alleged by the complaint. It is the charge of unfair competition. Unfair competition in the trade name field is not concerned with intent or plan; it is enough if the acts of the defendant in light of the plaintiff's reputation result in an unfair benefit to the former. To constitute unfair competition in respect to a trade name, two elements must be present. The name must have acquired a secondary meaning or significance that identifies the plaintiff; the defendant must have unfairly used the name or a simulation of it against the plaintiff.

In respect to the first element, it is dubious whether it could be found that plaintiff has acquired a secondary meaning or significance for his title, "Aviation." As is evident by the record and exhibits, and as the trial court found, other magazines have used the word, aviation, as a dominant and descriptive part of their titles. The plaintiff has not shown the degree of correlation between a trade name and his product that has formed the basis for relief in other cases.[8]

Even if the term, "aviation," had acquired a secondary meaning for the plaintiff, the defendant has not engaged in acts of unfair competition. The plaintiff contends that the following acts are unfair: the type display of, and the color background for, the title,

"American
Aviation"

that title, and the sub-title or slogan, "The Independent Voice of American Aeronautics," in relation to "Aviation" 's sub-title, "The Oldest American Aeronautical Magazine"; the use of a geometric design that might be described as "winged"; and

"American
Aviation" 's

comments upon the suit filed by plaintiff company.

That the type display of

"American
Aviation"

does not copy or imitate the plaintiff's title was shown in the discussion on infringement. The complaint on the color background simmers down, apparently, to the use of a hue that contrasts with the letters of the title. Obviously, such a contrast is necessary. Further, from the several exhibits before us, it appears that the defendant has consistently used black, highlighted by white, for the beginning letter in each of the words of its title, white for the remaining letters, on a bright red background, while the several issues of the plaintiff's magazine present a variegated appearance. The sub-titles say two different things. The mere fact that the word, "American," appears in plaintiff's sub-title and in defendant's title is not, as plaintiff contends, unfair. The words of the English language make many appearances, and each time they must be taken in their context. The "winged" designs, even upon a casual comparison, can be seen to be distinct, and the plaintiff has not used his regularly. We see nothing unfair in the comments published by

"American
Aviation"

in regard to the suit.

Over against these acts alleged to be unfair, the following may be noted. The defendant's magazine devotes about three-fourths of its front page to news. The form can be typified by reference to a four column newspaper. The plaintiff's cover carries a picture with a statement by some advertiser. The primary emphasis in content differs.

"American
Aviation"

stresses news. "Aviation" devotes itself chiefly to feature articles, usually technical. The trial court found "That the two publications are not similar in cover, design, format, general appearance, or content." Moreover, the magazines are read by a discriminating audience,[9] and an audience which appreciates that each has a needed function to perform. The defendant's advertising program has not been parasitic upon plaintiff's good-will, much less manifesting any attempt to "palm off" its wares for those of McGraw-Hill.[10] Its circulation has been built up by the distribution of free copies, by the reputation of the magazine, and by personal contact. The acts to which the plaintiff calls attention are not unfair competitive practices, and the further facts that have been pointed out suggest the complete fairness of method by which the defendant has brought its magazine to the public's attention. We are in accord with the trial court's finding that the defendant is not guilty of unfair competition.[11]

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,487,721, L. Clayton, Cement bailer, filed Jan. 17, 1941, D. C., S. D. Calif. (Los Angeles), Doc. 1365–H, *L. Clayton* v. *Baash-Ross Tool Co.*

1,501,114, W. G. Howe, Corn popping machine, D. C., W. D. Mo. (Kansas City), Doc. 610, *Star Mfg. Co., Inc.*, v. *Burch Mfg. Co.* Stipulation of dismissal Jan. 21, 1941.

1,528,535, R. E. De Walt, Tool holder, D. C. Calif. (San Francisco), Doc. 21460–L, *De Walt Products Corp.* v. *Union Paving Co.* Dismissed with prejuidce Jan. 10, 1941.

1,563,788, J. P. Primm, Cam box for knitting machine, filed Jan. 27, 1941, D. C., N. D. Ga. (Rome), Doc. 349, *J. P. Primm et al.* v. *Richmond Hosiery Mills.*

1,593,896, C. A. Brewer, Electric steam pressing iron, filed Jan. 23, 1941, D. C., E. D. Mo. (St. Louis), Doc. 690, *Cannon Engineering Co. et al.* v. *Steem-Electric Corp. et al.*

1,643,159, S. Greenberg, Child's overcoat, D. C., S. D. N. Y., Doc. 6/464, *Louis Greenberg & Bro., Inc.*, v. *R. H. Macy & Co., Inc.* Dismissed for lack of prosecution Jan. 21, 1941.

1,731,693, W. R. Wilson, Advertising device, filed Jan. 16, 1941, D. C., S. D. Calif., C. Div., Doc. 1364–H, *G. A. Klein* v. *Albers Bros. Milling Co. et al.*

1,754,959, D. F. Matushenko, Bracelet lock, D. C., S. D. N. Y., Doc. 4/4, *P. Drakoff* v. *Hadley Co., Inc., et al.* Dismissed for lack of prosecution Jan. 21, 1941.

1,889,137, P. A. White, Method and apparatus for lubricating and operating internal combustion engines, D. C., S. D. N. Y., Doc. 3/408, *P. A. White* v. *Oildex Corp.* Dismissed for lack of prosecution Jan. 21, 1941.

1,949,353, O. S. Burman, Laundry tub and soap tray, D. C., E. D. Pa., Doc. 356, *O. S. Burman* v. *Myrastone Products Co.* Decree for plaintiff July 17, 1939.

1,965,876, W. I. Bettis, Applicator for elastic rings, etc., D. C., N. D. Okla. (Tulsa), Doc. 147, *Patterson-Ballagh Corp., Ltd.*, v. *Rubber Sleeve Specialty Co. et al.* Claims 2 to 9 inclusive held infringed, injunction (notice Jan. 25, 1941).

1,985,238, E. M. Brogden, Treatment of fresh fruit in preparation for market, filed Jan. 11, 1941, D. C., S. D. Tex. (Brownsville), Doc. 112, *Brigdex Co.* v. *S. C. Rieke et al.*

1,992,179, Blosser & Burke, Napkin folding machine, D. C., S. D. N. Y., Doc. 5/173, *Veldown Co., Inc.*, v. *Sitrous Co., Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

2,017,881, A. D. Wiseman, Dental tool, filed Jan. 20, 1941, D. C., N. D. Calif. (San Francisco), Doc. 21761-W, *A. D. Wiseman* v. *N. Weil.*

2,024,184, J. R. Ritchie, Roller for oil mix roads, filed Jan. 27, 1941, D. C., W. D. Okla., Doc. 682, *J. R. Ritchie et al.* v. *R. R. Tway et al.*

2,036,638. F. F. Lindstaedt, Parasiticide, D. C., N. D. Calif. (San Francisco), Doc. E 4090-R, *G. D. Turnbow* v. *Farmers' Cooperative Exchange et al.* Claims 2, 3, 6, 8, 11, and 12 held invalid; bill dismissed Jan. 20, 1941.

2,042,736, E. Schwartz, Talking device, D. C., S. D. N. Y., Doc. 5/486, *The Sound Publicity Corp.* v. *Burkhardt-Warner, Inc., et al.* Consent order of discontinuance as to Burkhardt-Warner, Inc., and G. R. Burkhardt, Nov. 28, 1940. Dismissed for lack of prosecution as to White & Wyckoff Mfg. Co., Jan. 28, 1941.

2,091,840, G. D. Turnbow, Vermifuge, D. C., N. D. Calif. (San Francisco), Doc. 21067-S, *Lederle Laboratories, Inc., et al.* v. *Farmers' Cooperative Exchange, Inc.* Claims 1, 2, and 7 held invalid; dismissed Jan. 20, 1941.

2,100,868, A. Oppenheimer, Slip cover for furniture, D. C., E. D. Pa., Doc. 226, *Comfy Mfg. Co.* v. *Lit Bros., Inc.* Dismissed without prejudice Jan. 17, 1940.

2,121,374, W. Venner, Ornamental display material, D. C., S. D. N. Y., Doc. 1/469, *W. Venner* v. *Grand City Container Corp. et al.* Dismissed for lack of prosecution Jan. 21, 1941.

2,132,826. J. E. Ludwig, Spray booth, D. C., E. D. Mich., S. Div., Doc. 907, *Newcomb David Co., Inc.*, v. *Hinks Mfg. Co.* Stipulation and order of dismissal with prejudice (notice Jan. 24, 1941).

2,145,434, H. Rubin, Game board, D. C., S. D. N. Y., Doc. 4/117, *New York Toy & Game Mfg. Co. et al.* v. *Sunshine Products Co.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

2,152,703, A. Marino, Extensible console table, filed Jan. 25, 1941, D. C., W. D. N. Y., Doc. 599, *A. Marino et al.* v. *Norquist Products, Inc.*

2,186,192, T. G. Boldizzoni, Garment finishing machine and method, filed Jan. 16, 1941, D. C., E. D. N. Y., Doc. 1789, *T. G. Boldizzoni* v. *Canvas Glove Mfg. Works, Inc., et al.*

Re. 20,333, J. C. Perrin, Paper towel dispenser, D. C., N. D. Calif. (San Francisco), Doc. 21712-S, *Towlaver, Inc.*, v. *Pelican Paper Co.* Dismissed without prejudice Jan. 10, 1941.

Des. 97,849, A. Greenspan, Dress, filed Jan. 27, 1941, D. C., S. D. N. Y., Doc. 12/402, *Frank Associates, Inc.* v. *Kenville Fabrics Corp. et al.*

Des. 109,216, C. J. Groos, Box for toilet article, filed Jan. 20, 1941, D. C. Conn. (New Haven), Doc. 553, *Hoonton Molding Co.* v. *Plastic Molding Corp.*

Des. 109,569, J. A. Silverman, Collar, D. C., S. D. N. Y., Doc. 5/178, *M. W. Haft & Bros., Inc.*, v. *Kolbert-Lieberman, Inc.* Dismissed for lack of prosecution Jan. 21, 1941.

Des. 109,884, I. Weisberger, Elastic textile fabric, D. C., S. D. N. Y., Doc. 1/325, *Fab-Tex, Inc.*, v. *Chas. Kurlan, Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 112,546, S. Babus, Coat, D. C., S. D. N. Y., Doc. 2/466, *S. Babus* v. *Versailles Garment, Inc.* Dismissed for lack of prosecution Jan. 21, 1941.

Des. 112,654, J. Goldberg, Dress ensemble, D. C., S. D. N. Y., Doc. 5/357, *Eisenstadt & Joseph* v. *Lamar Frocks, Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 115,242, H. Taylor, Table lamp, D. C., S. D. N. Y., Doc. 5/291, *H. Taylor* v. *N. Lapin.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 115,466, A. Cohen, Dress, D. C., S. D. N. Y., Doc. 4/421, *Sheila-Lynn, Inc.*, v. *Lombardy Dresses.* Stipulation of discontinuance (notice Jan. 27, 1941).

Des. 116,003, M. Stone, Dress, D. C., S. D. N. Y., Doc. 5/488, *Will Steinman, Inc.*, v. *Kelwin Dress Co., Inc.* Dismissed for lack of prosecution Jan. 21, 1941.

Des. 116,415, B. S. Roth, Dress, D. C., S. D. N. Y., Doc. 6/6, *Bernard's* v. *Feinberg & Wiesen, Inc.* Consent order of discontinuance Jan. 20, 1941.

Des. 116,426, M. N. Bryan, Hat, C. C. A., 2d Cir., Doc. —, *Betmar Hats, Inc.*, v. *Young American Hats, Inc., et al.* Decree reversed (notice Jan. 28, 1941).

Des. 116,666, D. W. Price, Dress, D. C., S. D. N. Y., Doc. 6/122, *Price-Schlesinger, Inc.*, v. *Well Made Dress Co. et al.* Dismissed for lack of prosecution Jan. 21, 1941.

Des. 116,774, S. J. Goldstein, Dress, D. C., S. D. N. Y., Doc. 6/255, *Baba Junior, Inc.*, v. *Trussel Dress Co., Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 117,027, D. Haon, Dress, D. C., S. D. N. Y., Doc. 6/258, *Sheila-Lynn, Inc.*, v. *Lombardy Dresses, Inc.* Consent order of discontinuance Jan. 27, 1941.

Des. 118,428, S. Rosen, Dress ensemble, D. C., S. D. N. Y., Doc. 7/277, *New York Dress & Costume Co., Inc.*, v. *Feinberg & Wiesen, Inc.* Consent judgment (notice Jan. 21, 1941).

Des. 119,129, E. Kay, Dress ensemble, filed Jan. 23, 1941, D. C., S. D. N. Y., Doc. 12/365, *Roseweb Frocks, Inc.*, v. *Nelson-Caine, Inc.*

Des. 121,904, J. Rubin, Textile fabric, filed Jan. 20, 1941, D. C., S. D. N. Y., Doc. 12/340, *Dexter Woolen Corp.* v. *Goldman Coat Co.*

Des. 122,034, R. H. Shipston, Textile fabric, filed Jan. 23, 1941, D. C., S. D. N. Y., Doc. 12/383, *Constance Fabrics Corp.* v. *Blossom Fabrics Corp.* Doc. 12/384, *Constance Fabrics Corp.* v. *Rose Fabrics Co.*

Des. 123,353, J. Siegel, Dress, D. C., S. D. N. Y., Doc. 12/156, *Pomette Dress Corp.* v. *Rona Dresses, Inc.* Consent order of discontinuance Jan. 25, 1941.

Des. 124,005, S. Novak, Dress ensemble, filed Jan. 23, 1941, D. C., S. D. N. Y., Doc. 12/364, *Flora Dress Co.* v. *Courtney, Inc.*

Des. 124,006, S. Novak, Dress ensemble, filed Jan. 15, 1941, D. C., S. D. N. Y., Doc. 12/313, *Flora Dress Co.* v. *Littmann's 34th Street Corp.*

Des. 124,105, S. Novak, Dress ensemble, filed Jan. 14, 1941, D. C., S. D. N. Y., Doc. 12/302, *Flora Dress Co.* v. *Leanore Frocks, Inc.*

Des. 124,367, L. Schwartzberg, Textile fabric, filed Jan. 28, 1941, D. C., S. D. N. Y., Doc. 12/409, *C. R. Hellman, Inc.*, v. *Willow Fabrics, Inc.*

Des. 124,485, F. M. Burns, Dress, filed Jan. 17, 1941, D. C., S. D. N. Y., Doc. 12/330, *Weinberg & Alpern* v. *Larry Hirsch, Inc.*

Des. 124,908, M. M. Schwalbaum, Dress, filed Jan. 24, 1941, D. C., S. D. N. Y., Doc. 12/394, *Brenda Frocks, Inc.*, v. *Feinberg-Weisen, Inc.*

T. M. 181,083, S. G. Whitsitt, Salad dressing, D. C., N. D. Tex. (Fort Worth), Doc. 158, *Bestyet Food Co.* v. *J. O. Dalton.* Dismissed Jan. 21, 1941.

Changes in Classification

Order No. 3,542, February 27, 1941, directs:

In *class 101, Printing* (Division 17), change the titles and definitions of subclasses 417 and 419 to read:

Antismut devices

417 Web.
419 Sheet.

417. Devices under subclass 416 employing strips of continuous or indefinite length which contact the printed matter. The web may be either absorbent or non-absorbent.
(1) Note.—See this class, subclass 419, for similar organizations using sheets instead of strips.
(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 6 and 94, for such processes and devices with additional steps or means to cause drying, such as the step or means to feed a drying fluid.
(3) Note.—For web feeding means, see class 242, WINDING AND REELING, and class 271, SHEET OR WEB FEEDING OR DELIVERING, subclass 2.1 and indented subclasses.

419. Devices under subclass 416 in which separate pieces of sheet material are applied to the printed matter. Such sheet material may be absorbent or non-absorbent.
(1) Note.—See this class, subclasses 417 and 418, for similar organizations using strips.
(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 6 and 94, for such processes and devices with additional steps or means to cause drying, such as the step or means to feed a drying fluid.
(3) Note.—See class 270, SHEET-MATERIAL ASSOCIATING OR FOLDING.
(4) Note.—See class 271, SHEET OR WEB FEEDING OR DELIVERING.

In *class 214, Material or Article Handling* (Division 4), establish the following subclass and definition:

Piling or arranging apparatus

10.5 Piles, arrangements, holders or spacers.

10.5 Patents claiming, (1) the pile or arrangement of material; (2) the means for holding the material piled or arranged where no material moving means are included; (3) devices for spacing the articles or elements of the pile or arrangement, or (4) any combination of the preceding.
(1) Note.—When any claim includes material moving means, see the appropriate preceding subclass indented under "Piling and arranging apparatus."
(2) Note.—Where a piling or arranging process is claimed in addition to the subject matter of this subclass, it is cross-referenced to subclass 152.
(3) **Search Classes—**
24—BUCKLES, BUTTONS, CLASPS, ETC., particularly subclass 16 and indented subclasses, for bale and package ties.
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclass 38, for processes involving in addition drying and/or gas or vapor treatment.
105—RAILWAY ROLLING STOCK, particularly subclass 160.5, for lumber trucks, subclasses 367 and 368, for special article freight cars, and subclass 369, for freight car load braces.
206—SPECIAL RECEPTACLES AND PACKAGES, particularly subclass 65.
211—SUPPORTS, RACKS.
220—METALLIC RECEPTACLES, particularly subclass 97, for stacking devices.
280—LAND VEHICLES, subclasses 179 and 180, for load binders.
296—LAND VEHICLES, BODIES AND TOPS, subclass 43, for stakes and sockets.

The patents contained in this subclass have been taken for the most part from class 34, Driers, abolished in this order, and from various subclasses in class 214.

In *class 12, Boot and Shoe Making* (Division 11), subclass 1, add the following note:

Search Class—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclass 202.

In *class 14, Bridges* (Division 33), subclass 70, under "Search classes" cancel the reference to class 34, Driers.

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), subclass 160, add the following note:

Note.—Heated brushes are in this subclass (160).

In *class 20, Wooden Buildings* (Division 33), in note (4) of the main class definition add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclass 201 and indented subclasses, for houses and kilns having means for drying and/or gas or vapor contact with solids.

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), main class definition, in the note under (A) preceding the reference to class 23, Chemistry, add:

For the line between class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and this class (21) see the note to the main class definition of class 34;

and in the last paragraph of the note under (A), in the reference to class 126, Stoves and Furnaces, change "236" to *226*, cancel "34, Driers" and "266, Metallurgical Apparatus" and substitute:

219, ELECTRIC HEATING; 257, HEAT EXCHANGE, and 263, HEATING;

in subclass 7 add the following note:

(3) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, the note appended to the class definition for the line with this class (21) on wood treatment;

in subclass 8 number the existing note (*1*) and add:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 1 and the notes thereto;

and in subclasses 9 and 64 cancel the notes.

In *class 23, Chemistry* (Division 59), subclass 4, change "34, Driers, subclass 1" to read:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 26 and indented subclasses, 32 and 72 and indented subclasses;

in subclass 259.1 cancel note (1) and substitute:

(1) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for processes and apparatus not involving manufacture of chemicals;

and in subclass 267, note (2), change the second sentence to read:

Class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, has drying processes and apparatus which remove extraneous liquids from solids even though there is subsequent condensation or recovery of vapors, and also drying processes and apparatus in which solids are contacted with liquids to promote drying.

In *class 25, Plastic Block and Earthenware Apparatus* (Division 15), subclass 132, in note (2) cancel "34, Driers" and substitute *34, Drying and Gas or Vapor Contact with Solids;* in note (3) cancel the reference to class 34, Driers; and in subclasses 142 and 143 cancel the note in each.

In *class 26, Textiles, Cloth Finishing* (Division 21), main class definition, in note (1) cancel "34, Driers" and substitute *34, Drying and Gas or Vapor Contact with Solids;* and in subclass 68 cancel note (2) and substitute:

(2) **Search Class—**
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for cloth drying processes and apparatus having no steps or means for applying a stretching or spreading force to the fabric other than that incidental to mere feed of the fabric through the machine.

In *class 28, Textiles* (Division 21), subclasses 28 and 62, in note (2) of each cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for textile driers, appropriate subclasses, for the subcombinations there provided for.

In *class 38, Textiles, Ironing or Smoothing* (Division 27), main class definition, in note (3) change "34, Driers" to read:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclasses 6, 16, 18, 23, 24, 41, 49, 94, 110 and indented subclasses, 143 and indented subclasses, and 148 and indented subclasses.

In *class 43, Fishing, Trapping and Vermin Destroying* (Division 2), subclass 20, in note (1) cancel from "and drying reels" to the end of the note and substitute:

and class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 153.

In *class 48, Gas, Heating and Illuminating* (Division 59), subclass 85.1, in note (3) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 108 and indented subclasses;

and in subclasses 119, 122, and 124 under "Search

classes" in each cancel the reference to class 34, Driers.

In *class 52, Explosive, Pyrotechnic and Match Compositions* (Division 43), main class definition, cancel "34, Driers" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS.

In *class 62, Refrigeration* (Division 44), main class definition, under "Search classes" cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for processes and apparatus for drying by operations other than refrigeration, combined with cooling by refrigeration, particularly subclasses 5, 13 and 62 and indented subclasses, and also for processes and apparatus for cooling only by gas or vapor contact where no characteristics of a refrigerating means are claimed, see particularly subclass 20 and notes thereunder;

and in subclass 110 under "Search classes" cancel "34, Driers, and."

In *class 68, Textiles, Fluid Treating Apparatus* (Division 27), subclass 5, cancel note (1) and substitute:

(1) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for such apparatus not limited to the purposes of class 68;

in subclass 18, note (5), cancel "34, Driers" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 72 and indented subclasses;

in subclass 19 number the existing note (*1*) and add:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and the notes to such class for the liquid removing subcombination;

in subclass 20 cancel note (2); in subclass 183, note (4), cancel "34, Driers" and substitute *34, Drying and Gas or Vapor Contact with Solids;* in subclass 241 number the existing note (*1*) and add:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 70;

and in subclass 244 cancel note (2) and substitute:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 70;

In *class 71, Chemistry, Fertilizers* (Division 59), main class definition, cancel note (3) and substitute:

(3) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for drying processes per se and for processes for contacting solids with gases or vapors not restricted to fertilizer manufacture.

In *Class 91, Coating* (Divisions 38 and 46), main class definition, add the following note:

For the line between classes 91 and 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, see the note to the main class definition of class 34;

in subclass 11 under "Search class" add:

15—BRUSHING, SCRUBBING AND GENERAL CLEANING, particularly subclasses 55 and indented subclasses and 101.
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 104 and indented subclasses;
141—WASHING APPARATUS, subclasses 6 and 7.
263—HEATING, subclasses 4 and 5;

and in subclass 55 number the existing note (*1*) and add:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see the note to the main class definition for the line.

In *class 92, Paper Making and Fiber Liberation* (Division 56), main class definition, add the following note:

(5) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for processes and apparatus for drying and/or contacting paper with gases or vapors to cool the same and not involving paper making or finishing or fiber liberation within the definition of this class (92);

in subclass 7, note (2), cancel the reference to class 34, Driers; in subclass 18 under "Search classes" cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 108 and indented subclasses;

in subclass 20, in note (2) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 237 and 238;

in subclass 33, in note (2) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 164;

in subclass 37 under "Search classes" cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 179 and indented subclasses;

in subclass 38, in note (3) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for such subcombinations.
83—MILLS, for the breaking up of webs of green pulp into flakes or particles and the drying of the same, particularly subclasses 93 and 94;

and in subclass 71 under "Search classes" add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclasses 6, 16, 18, 23, 24, 41, 94, 110 and indented subclasses, 143 and indented subclasses, and 148 and indented subclasses, for paper drying and gas or vapor contact processes and apparatus not limited to imparting a polished or smooth surface to paper.

In *class 93, Paper Manufactures* (Division 17), subclass 74, cancel the note and substitute:

Search Class—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, for the subcombination there provided for.

In *class 98, Ventilation* (Division 49), main class definition, add the following note:

(1.5) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, for ventilation processes and apparatus combined with added steps or means to cause drying and/or gas or vapor contact with solids;

in subclass 40 number the existing note (*1*) and add:

(2) **Search Class—**
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclasses 229 and 231;

in subclass 52 number the existing note (*1*) and add:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclass 201 and indented subclasses;

and in subclass 55 number the existing note (*1*) and add:

(2) Note.—Complete the search in class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclasses 174, 224, 225, and 232.

In *class 99, Foods and Beverages* (Division 63), main class definition, add the following note:

(4.5) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, main class definition, for the line with class 99;

cancel existing note (5) and substitute:

(5) Note.—See class 159, CONCENTRATING EVAPORATORS, for concentration of fluid-borne substances by evaporation;

in subclass 68 cancel the note and substitute:

(1) Note.—See this class, subclass 236, for coffee roasting apparatus and see the notes thereto.
(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for drying processes;

in subclass 199 cancel note (1) and substitute:

(1) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for food dehydration processes per se;

in subclass 221 add the following note:

(3) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 1;

in subclass 234 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see the note to the class definition for the line;

in subclass 236 in note (2) cancel the reference to class 34, Driers, and add the following note:

(3) Note.—This subclass (236) has coffee roasting apparatus combined with means for performing other functions upon the coffee. For coffee roasting apparatus per se,
Search Classes—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for apparatus not limited to combustion heating means.
263—HEATING, for appaartus limited to combustion heating means.

and in subclass 246 cancel note (1) and substitute:

(1) Note.—This subclass (246) has dehydrating apparatus combined with means for performing other functions upon the food material. For dehydrating apparatus per se, see class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and the notes to the definitions.

In *class 101, Printing* (Division 17), subclass 416, add the following note:

Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, for processes and apparatus for drying freshly printed matter. Combined processes and apparatus for printing and drying are in class 101, appropriate subclasses.

In *class 105, Railway Rolling Stock* (Division 34), subclass 367, add the following note:

Search Class—
214—MATERIAL OR ARTICLE HANDLING, subclass 10.5;

and in subclass 369 number the existing note (*1*) and add:

(2) **Search Class—**
214—MATERIAL OR ARTICLE HANDLING, subclass 10.5.

In *class 107, Bread, Pastry, and Confection Making* (Division 20), subclass 57, change note (2) to read:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 189, 190, and 203 and indented subclasses.

In *class 110, Furnaces* (Division 19), main class definition, in the third paragraph cancel the reference to class 34, Driers, and at the end of the paragraph add the following:

See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and the note in the class definition for the line with class 110;

in subclass 14 under "Search classes" change the reference to class 34, Driers, to read:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 108 and appropriate indented subclasses;

and in subclass 15 change note (3) to read:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 189, 190, and 203 and indented subclasses.

In *class 114, Ships* (Division 22), subclasses 117 and 174, under "Search classes" in each cancel the reference to class 34, Driers.

In *class 126, Stoves and Furnaces* (Division 19), subclass 369, in note (3) cancel "34, Driers" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS.

In *class 127, Sugar, Starch and Carbohydrates* (Division 43), subclass 21, cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, for the drying process or apparatus subcombination;

and in subclass 71 cancel note (2) and substitute:

(2) **Search Class—**
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS.

In *class 128, Surgery* (Division 55), subclass 393, in note (1) change the period to a comma and add:

particularly subclass 160 for heated brushes;

and in note (2) change the period to a comma and add:

heated combs being in subclass 14.

In *class 131, Tobacco* (Division 2), main class definition, note (3), change "34, Driers, particularly subclass 19" to read:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses;

and in subclass 92, note (2), and subclass 133, note (1), change "Driers" to read *Drying and Gas or Vapor Contact with Solids.*

In *class 132, Toilet* (Division 53), main class definition, cancel note (1) and substitute:

(1) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 3 and 96 and indented subclasses, for hair drying processes and apparatus;

and in subclass 11 cancel note (2) and substitute:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 96 and indented subclasses, for other devices for drying hair.

In *class 136, Batteries* (Division 60), subclass 33, add the following note:

Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS.

In *class 159, Concentrating Evaporators* (Division 46), main class definition, in note (6) change "34, Driers" to:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS;

in subclass 7, change "34, Driers" to:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS;

in subclass 11 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 108 and indented subclasses and 173;

in subclass 15 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 165 and indented subclasses, particularly subclasses 171 and indented subclasses and 178;

and in subclass 33, in note (2) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 179 and indented subclasses.

In *class 174, Electricity, Conductors and Insulators* (Division 65), subclass 16, cancel note (2) and substitute:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for apparatus for drying conductors and insulators not built in as part of the structure thereof.

In *class 185, Gas Separation* (Division 32), subclass 4, in note (3) at the end of the reference to class 252, Compositions, add:

and 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for the regeneration of absorbents by drying only.

In *class 189, Metallic Building Structures* (Division 33), main class definition, under "Search classes" add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclass 201 and indented subclasses, for houses and kilns having means for drying and/or gas or vapor contact with solids, and subclass 237 for reticulated floors for distributing a drying medium.

In *class 193, Conveyors, Chutes, Skids, Guides and Ways* (Division 4), main class definition, in note (4) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 165 and indented subclasses;

and in subclass 12 add the following note:

(3) **Search Class—**
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 147.

In *class 195, Chemistry, Fermentation* (Division 63), main class definition, cancel note (3) and substitute:

(3) **34**—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for the subcombinations of the processes and apparatus of this class (195) there provided for;

in subclass 69 cancel note (2) and substitute:

(2) **Search Class—**
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for drying processes not limited to making ferment containing products;

in subclass 127 in note (2) cancel "34, Driers" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS;

in subclass 128 cancel the note and substitute:

Search Class—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for apparatus for contacting solids with gas or vapor, not limited as above;

and in subclass 131 add the following note:

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 130 and indented subclasses, particularly subclasses 134 and 138.

In *class 196, Mineral Oils* (Division 31), subclass 7, in note (2) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 72 and indented subclasses, for apparatus there provided for combined with means to recover vapors or other substances from gases.

In *class 198, Conveyors, Power Driven* (Division 4), main class definition, cancel note (6) and substitute:

(6) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for conveyors claimed in combination with added means to promote a drying action or contact of gases or vapors with solids conveyed, and see subclass 203, notes (2), (3), and (4);

in subclass 19 add the following note:

(4) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 103, for conveyors having forms thereon;

in subclass 20 add the following note:

(5) Note.—See class 271, SHEET OR WEB FEEDING OR DELIVERING, subclass 2.2, for web feeding loopers with stick handling and conveying means;

in subclass 34, note (2), cancel "34, Driers, subclasses 12 and 38" and add:

(3) Note.—Complete the search in class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 152 and indented subclasses, particularly subclasses 159, 161, and 203 and indented subclasses, particularly subclass 203;

in subclass 134 cancel note (1) and substitute:

(1) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 150;

in subclass 136 number the existing note (*1*) and add:

(2) Note.—Complete the search in class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 147;

in subclass 154 cancel note (2) and substitute:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, for such structure combined with drying and/or means to contact gas or vapor with the material conveyed;

in subclass 159 cancel note (2) and substitute:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 203 and indented subclasses;

in subclass 177 cancel note (2); in subclass 180 number the existing note (*1*) and add:

(1) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 162;

in subclass 193 cancel note (3); in subclass 195 cancel note (2) and substitute:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 157 and notes;

in subclass 211 cancel note (1) and substitute:

(1) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 184 and indented subclasses;

in subclass 218 add the following note:

(4) Note.—See class 214, MATERIAL OR ARTICLE HANDLING, subclass 6 and indented subclasses;

in subclass 220 add the following note:

(4) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 164;

in subclass 221 cancel note (3) and substitute:

(3) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 189 and 190;

in subclass 223, cancel note (2); and in subclass 225 add the following note:

Note.—See class 214, MATERIAL OR ARTICLE HANDLING, subclass 8.5.

In *class 202, Distillation* (Division 64), main class definition, in note (1) change "34, Driers" to:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS;

in subclass 46, in note (2) cancel "34, Driers, subclass 24" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses indented under "Processes";

in note (4) cancel "34, Driers" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS;

in note (5) cancel from "see class 34, Driers" to the end of the sentence, and substitute:

See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for the combination of drying processes or apparatus and means or process steps to absorb the vapors evolved during the drying operation and also processes and apparatus for the regeneration of absorbents by drying only;

and in subclass 266 cancel the reference to class 34, Driers.

In *class 206, Special Receptacles and Packages* (Division 40), subclass 65, add the following note:

Search Class—

214—MATERIAL OR ARTICLE HANDLING, subclass 10.5

In *class 209, Classifying, Separating and Assorting Solids* (Division 25), main class definition, add the following note:

(10) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and the note to class 209 in the main class definition for the line;

in subclass 11 in note (2) cancel the reference to class 34, Driers; and in subclass 392 number the existing note (*1*) and add:

(2) **Search Class—**

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 237, for reticulated floors for distributing a drying medium.

In *class 210, Liquid Separation or Purification* (Division 49), main class definition in the second paragraph cancel "nor mere drying of sewage, for which see class 34, Driers"; under "Search classes" cancel the note to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see the note to the main class definition of class 34 for the line;

and in subclass 169 add the following note:

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 237, for reticulated floors for distributing a drying medium.

In *class 211, Supports, Racks* (Division 8), main class definition, cancel note (5) and substitute:

(5) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for racks combined with means to promote drying and/or gas or vapor contact with the material supported. Such means must be in addition to the movable or immovable rack structure;

and in subclass 121 cancel "34, Driers, subclass 12" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses.

In *class 214, Material or Article Handling* (Division 4), subclass 18, under "Search classes" cancel the reference to class 34, Driers; in subclass 21 cancel "34, Driers, especially subclasses 13 and 32" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclass 203 and indented subclasses.

In *class 217, Wooden Receptacles* (Division 40), main class definition, number the existing note (*1*) and add:

(2) **Search Class—**

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclasses 233, 237 and 238, for drying trays or receptacles.

In *class 219, Electric Heating* (Division 60), subclass 21, under "Search class" add:

15—BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 160, for electrically heated brushes;

and in subclass 39 add the following note:

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 96 and indented subclasses, for means specialized to dry hair on the human head, and see notes thereunder.

In *class 220, Metallic Receptacles* (Division 40), main class definition, add the following note:

(16) **Search Class—**

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclasses 233, 237 and 238, for drying trays or receptacles;

and in subclass 97 add the following note:

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 238.

In *class 223, Apparel Apparatus* (Division 24), main class definition, cancel note (6) and substitute:

(6) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for garment drying apparatus and processes of general utility, not claiming features of a form to fit or hold a garment, or process steps correspondingly limited. The mere naming of the garment in a process, or the recitation of a garment form generally or for a particular garment (e. g., by reciting forms, flat forms, garment forms, boards, stocking forms, etc.) will not exclude the case from class 34.

In *class 227, Fire Escapes* (Division 4), subclass 49, in note (2) add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 96 and indented subclasses, for body harness in combination with hair driers.

In *class 236, Automatic Temperature and Humidity Regulation* (Division 30), main class definition, add the following note:

(14) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 43 and indented subclasses, for automatic control of such apparatus, including temperature and humidity regulation for such specific apparatus.

In *class 237, Heating Systems* (Division 46), main class definition, in note (3) add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see the note to the main class definition of class 34 for the line with class 237.

263—HEATING, and see the note to the main class definition of class 34 for the line with class 237;

in subclass 9 number the existing note (*1*) and add:

(2) **Search Class—**

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 46 and 48;

and in subclass 67 in note (2) add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 119 and 124.

In *class 242, Winding and Reeling* (Division 61), subclass 104, cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 153, for drying reels having added means such as a heater or means to cause gas or vapor to contact the wound material for drying, and see the notes to such subclass.

In *class 248, Supports* (Division 52), subclass 127, cancel note (6) and substitute:

(6) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclasses 163 and 239, for racks and stands combined with added means for causing drying and/or gas or vapor contact with the solids supported.

In *class 250, Radiant Energy* (Division 54), subclass 42, in note (8) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 1 and 4, for processes involving the use of radiant energy, and subclass 93, for solar drying apparatus.

In *class 252, Compositions* (Division 59), subclass 260, in note (4) add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for processes of regenerating absorbents by drying only.

In *class 257, Heat Exchange* (Division 32), main class definition, in note (2) cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see the note to the main class definition of class 34 for the line;

in subclass 6 add the following note:

Search Class—

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 62 and indented subclasses, and see notes thereto;

in subclass 17 in note (2) cancel "34, Driers" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS;

and in subclasses 18, 22, and 23, cancel in each the reference to class 34, Driers.

In *class 259, Agitating* (Division 32), main class definition, in note (6) add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see the note to the main class definition of class 34 for the line;

in subclasses 3, 14, and 30 cancel in each the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 108 and indented subclasses;

in each of subclasses 4, 19, and 37 add the following note:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 179 and indented subclasses;

and in subclass 155 cancel note (1) and substitute:

(1) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see the note to the main class definition for the line.

In *class 260, Chemistry, Carbon Compounds* (Division 6), main class definition, note (4), at the end of the note add:

The removal of water of crystallization is considered a chemical manufacturing operation for class 260.

In *class 263, Heating* (Division 3), main class definition, cancel note (2) and substitute:

(2) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see note (1) to the main class definition for the line with class 263;

in note (4) cancel the reference to class 34, Driers; in subclass 3 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 110 and 152 and their indented subclasses;

in subclass 4 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 104 and indented subclasses;

in subclass 8 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclass 203 and indented subclasses;

in subclasses 19 and 20 cancel in each the reference to class 34, Driers; in subclass 21 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclasses 164 and 179 and indented subclasses;

in subclass 22 number the existing note (*1*) and add:

(2) **Search Class—**

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 108 and indented subclasses;

in subclasses 24 and 25 cancel in each the reference to class 34, Driers; in subclass 26 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 173 and 178;

in subclass 28 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclasses, particularly subclasses 179 and indented subclasses, 189, 190, 203 and indented subclasses, 216 and 217;

in subclass 29 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 59 and 165 and indented subclasses;

in subclasses 30 and 31 cancel in each the note; in subclass 32 cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 108 and indented subclasses;

in subclass 36 in note (2) add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 62 and indented subclasses, for cooling chamber combinations, and other appropriate subclasses, particularly subclasses 60 and indented subclasses, 167, 180, 190, 193, 203 and indented subclasses, and 209 and indented subclasses, for other plural chamber combinations, and see the notes to subclass 209 of class 34;

and in subclasses 37 and 40 cancel in each the reference to class 34, Driers.

In *class 264, Metallurgical Apparatus* (Division 3), subclass 20, change "34, Driers" to read:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS.

In *class 271, Sheet or Web Feeding or Delivering* (Division 17), main class definition, in note (2) cancel "34, Driers" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclasses 6, 16, 18, 23, 24, 41, 49, 94, and 110, 143, and 148 and their indented subclasses;

in subclass 2.2 number the existing note (2) and add:

(1) Note.—Complete the search in class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 151 and indented subclasses, particularly subclass 157.

In *class 280, Land Vehicles* (Division 10), subclass 179, add the following note:

Search Class—

214—MATERIAL OR ARTICLE HANDLING, subclass 10.5.

In *class 302, Conveyors, Fluid Current* (Division 4), subclass 17, cancel the reference to class 34, Driers, and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclasses 10 and 57, for fluid current conveyors and corresponding processes combined with added means or steps for drying;

and add to the note:

75—METALLURGY, subclasses 9 and 26.
131—TOBACCO, subclass 110.

In *class 312, Supports, Cabinet Structures* (Division 8), subclass 31, note (1), cancel "34, Driers" and substitute:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS;

in subclass 114, cancel note (3) and substitute:

(3) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 58;

and in subclass 167 add:

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclasses 192 and 209 and their indented subclasses.

In *class 34, Driers* (Division 40), change the title of the class to read *Drying and Gas or Vapor Contact with Solids*, abolish the existing subclass titles and establish in lieu thereof the subclasses contained in the new loose leaves now being printed for insertion in the Manual of Classification, and definitions which will appear in Bulletin No. 79.

(Note.—Copies of the list and definitions may be seen in the Search Room and in the Classification Division pending publication.)

Disclaimers

T. M. 145,100.—*Globe Grain & Milling Co.*, Los Angeles, Calif. CERTAIN NAMED FOODS. Registered July 26, 1921. Disclaimer filed December 16, 1940, by the assignee, *Pillsbury Flour Mills Company*.

Hereby disclaims from said certificate of registration the following wording found therein, to-wit: "Cream of Wheat", without disclaiming the goods "Farina" as goods to which the trade-mark is appropriated.

T. M. 146,100.—*Globe Grain & Milling Co.*, Los Angeles, Calif. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered August 30, 1921. Disclaimer filed December 16, 1940, by the assignee, *Pillsbury Flour Mills Company*.

Hereby disclaims from said certificate of registration the following wording found therein, to-wit: "Cream of Wheat", without disclaiming the goods "Farina" as goods to which the trade-mark is appropriated.

1,585,318.—*Arthur W. Tupper*, Riverdale, Md. TIME-CONTROLLED ELECTRIC SIGNALING DEVICE. Patent dated May 18, 1926. Disclaimer filed February 20, 1941, by the assignee, *Universal Neon Equipment Company*.

Hereby enters this disclaimer to claims 4, 6, 7, 8, 12, and 13 of said Letters Patent.

1,585,319.—*Arthur W. Tupper*, Riverdale, Md. PERIODIC ELECTRIC SIGNALING DEVICE. Patent dated May 18, 1926. Disclaimer filed February 20, 1941, by the assignee, *Universal Neon Equipment Company*.

Hereby enters this disclaimer to claims 1, 8, and 9 of said Letters Patent.

1,608,622.—*John G. Schmidt*, Milwaukee, and *Henry R. Lee*, South Milwaukee, Wis. Process for preventing the dissolution of iron and steel in sulphuric acid and pickling baths. Patent dated November 30, 1926. Disclaimer filed February 14, 1941, by the assignee, *American Chemical Paint Company*.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 6, 8, 10, and 11 in said specification.

1,970,518.—*Harry Aaron*, New York, N. Y. HAIR CLIPPER. Patent dated August 14, 1934. Disclaimer filed February 8, 1941, by the inventor.

Hereby enters this disclaimer to claim 13 of said patent.

2,125,727.—*Milton Kallacher*, Springfield, Mass. AIR CONDITIONING APPARATUS. Patent dated August 2, 1938. Disclaimer filed February 13, 1941, by the assignee, *Westinghouse Electric & Manufacturing Company*.

Hereby enters this disclaimer to the subject matter of claims 7 and 8 of said Letters Patent except unit air conditioners wherein the upper and lower horizontally elongated compartments are respectively disposed directly above and directly below one another.

2,133,774.—*William H. Vaughan*, Rodessa, La. HIGH PRESSURE GAS PROCESS. Patent dated October 18, 1938. Disclaimer filed February 17, 1941, by the assignees, *Tide Water Associated Oil Company* and *Seaboard Oil Company of Delaware*.

Hereby enter this disclaimer to claims 1, 2, 3, 4, 6, 7, 8, 9, 10, 12, 13, and 14.

2,169,097.—*Ralph W. Hall* and *Henry A. Smith*, Fort Wayne, Ind. DYNAMO-ELECTRIC MACHINE. Patent dated August 8, 1939. Disclaimer filed February 12, 1941, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claim 3 of said Letters Patent.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 18, 1941

[VOL. 524. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY-PREPARED MATERIALS

Ser. No. 436,847. INTER-AMERICA ASSOCIATES, INC., New York, N. Y. Filed Oct. 11, 1940.



No claim is made to the words "Boryslaw" and "Synthetic Ozokerite" apart from the mark.

FOR SYNTHETIC OZOKERITE.

Claims use since Sept. 1, 1940.

Ser. No. 439,363. THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, doing business as Porcelain Enamel and Manufacturing Company, Baltimore, Md. Filed Jan. 2, 1941.

PYROFLEX

FOR PORCELAIN ENAMEL FRITS.

Claims use since Dec. 13, 1940.

Ser. No. 439,460. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 7, 1941. Under section 5b of the act of 1905 as amended in 1920.

DU PONT

Applicant is the owner of Reg. Nos. 57,419 and 57,420 effected under the 10-year proviso.

FOR CHEMICAL COMPOUNDS KNOWN BY THE GENERIC NAME NYLON, AND MORE PARTICULARLY DESCRIBED AS BEING SYNTHETIC FIBER-FORMING POLYMERIC AMIDES HAVING A PROTEIN-LIKE CHEMICAL STRUCTURE AND PRODUCED IN VARIOUS FORMS, BUT ESPECIALLY IN FILAMENT SHAPE.

Claims use since Sept. 7, 1938.

Ser. No. 439,669. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Jan. 14, 1941.

DYAL

FOR SYNTHETIC RESINS.

Claims use since July 17, 1940.

Ser. No. 439,670. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Jan. 14, 1941.

DYPHENITE

FOR SYNTHETIC RESINS.

Claims use since July 26, 1940.

CLASS 2

RECEPTACLES

Ser. No. 428,774. TRAVER CORPORATION, Chicago, Ill. Filed Feb. 21, 1940.

TRACO-PAK

The word "Pak" is disclaimed apart from the mark.

FOR WRAPPERS FOR FOOD PRODUCTS AND GENERAL MERCHANDISE.

Claims use since Feb. 1, 1935.

Ser. No. 440,335. WESLEY KLIEWER, doing business as Nevr-Stoop Basket Co., Reedley, Calif. Filed Feb. 5, 1941.

NEVR-STOOP

FOR FOLDABLE WASH BASKET WHICH IS MADE OF CANVAS AND WHICH IS ATTACHED TO A FOLDABLE SUPPORT.

Claims use since Apr. 1, 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 439,150. BOYLE LEATHER GOODS CO. INC., New York, N. Y. Filed Dec. 24, 1940.

VAGABOND

FOR HANDBAGS, SUITCASES, HAT BOXES, OVERNIGHT CASES, WARDROBE CASES, AND TRUNKS.
Claims use since July 11, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 434,898. THE CLEVELAND CLEANER AND PASTE CO., Cleveland, Ohio. Filed Aug. 12, 1940.

WALVET
BONDED

The drawing is lined for red.
FOR WALL PAPER CLEANER.
Claims use since July 15, 1940.

Ser. No. 436,778. PLEE-ZING, INC., Chicago, Ill. Filed Oct. 9, 1940.

PLEE-ZING
KLE-CUE

FOR WASHING AND CLEANING PREPARATION HAVING INCIDENTAL ANTISEPTIC AND BLEACHING PROPERTIES.
Claims use since Sept. 7, 1940.

Ser. No. 437,662. OMEGA SHOE POLISH CO., Los Angeles, Calif. Filed Nov. 7, 1940.

Omega
SHOE WAX

The words "Shoe Wax" are disclaimed apart from the mark. The drawing is lined for blue.
FOR SHOE POLISH.
Claims use since Aug. 5, 1937.

Ser. No. 438,284. PHYSICIANS & HOSPITALS SUPPLY CO. INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed Nov. 27, 1940.

KLER-RO

The drawing is lined for red.
FOR NON-INFLAMMABLE WINDOW AND GLASS CLEANER.
Claims use since Aug. 16, 1940.

Ser. No. 439,307. JAMES J. LAX, New York, N. Y. Filed Dec. 31, 1940.

LAXITE

FOR METAL CLEANERS IN LIQUID AND PASTE FORM.
Claims use since September, 1935.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 418,476. CARTIER, INC., New York, N. Y. Filed Apr. 20, 1939. Under section 5b of the act of 1905 as amended in 1920.

CARTIER

FOR PERFUME EXTRACTS, TOILET WATERS, FACE POWDERS, ROUGES, LIPSTICKS, MASCARA, EYEBROW PENCILS, AND PERFUMERY.
Claims use since 1909.

Ser. No. 435,817. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Sept. 9, 1940.

CIBAZOL

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES.
Claims use since Mar. 7, 1940.

Ser. No. 437,891. BO-KAY PERFUME CO., New York, N. Y. Filed Nov. 15, 1940.

Cling!

FOR COSMETICS—NAMELY, TALCUM AND FACE POWDERS.
Claims use since Oct. 7, 1940.

Ser. No. 438,029. WAGNER AND GATEHOUSE, Johnstown, Pa. Filed Nov. 18, 1940.

HAIR GROW

C. G. Wagner
J. T. Gatehouse

No claim is made to the words "Hair Grow" apart from the mark. The names C. G. Wagner and J. T. Gatehouse are facsimile signatures of members of the partnership.
FOR PREPARATION FOR THE STIMULATION OF THE GROWTH OF HAIR.
Claims use since July, 1939.

Ser. No. 438,195. AARON C. CROWE, Durham, N. C. Filed Nov. 25, 1940.

Aaron C. Crow's



The portrait is that of applicant.
FOR PREPARATION FOR PURIFYING THE BLOOD AND SKIN INFECTIONS.
Claims use since 1910.

Ser. No. 439,010. BABS CREATIONS, INC., New York, N. Y. Filed Dec. 19, 1940.

Gay Whirl

FOR ROUGE, LIPSTICK, SACHET, PERFUMES, BATH SALTS, BATH OIL, ASTRINGENTS, TALCUM POWDER, FACE POWDER, COLOGNE, DUSTING POWDER, SKIN CREAMS, NAIL POLISH, SUN PREPARATIONS, MASCARA, WAVE SETS, AND LOTIONS.
Claims use since Aug. 8, 1940.

Ser. No. 439,048. LADY ESTHER LTD., Chicago, Ill. Filed Dec. 20, 1940.

SCAMP RED

The word "Red" is disclaimed apart from the mark.
FOR FINGER NAIL ENAMEL AND LIPSTICK.
Claims use since July 29, 1940.

Ser. No. 439,130. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Dec. 23, 1940.

LOOSOL

FOR HARDWOOD DISTILLATES USED AS INHIBITORS AGAINST SLUDGE FORMATION IN SCRUBBING OILS FOR ARTIFICIAL GAS.
Claims use since Oct. 1, 1940.

Ser. No. 439,142. ALEXANDER S. ALEXANDER, Chicago, Ill. Filed Dec. 23, 1940.

Vitafacial

The word "Facial" is disclaimed apart from the mark.
FOR FACE CREAM, SKIN OILS, AND ASTRINGENTS.
Claims use since Nov. 26, 1940.

Ser. No. 439,214. JOHN A. WALDORF, doing business as Visible Leak Finder Co., Los Angeles, Calif. Filed Dec. 26, 1940.

VISOLEAK

FOR LEAK FINDER FLUID.
Claims use since February, 1939.

Ser. No. 439,265. CHARLES BANKS, doing business as Nar-O Company, St. Louis, Mo. Filed Dec. 30, 1940.

Nar-O

FOR HAIR AND SCALP SHAMPOO, WAVING LOTIONS, CURLING FLUIDS, AND ROSE OIL, BRILLIANTINE, HAND AND SKIN LOTION, CREAMS, AND CHEMICALS FOR THE BEAUTICIAN.
Claims use since Dec. 26, 1918.

Ser. No. 439,344. INTERNATIONAL VITAMIN CORP., New York, N. Y. Filed Jan. 2, 1941.

I.V.C

FOR VITAMIN PREPARATIONS, VITAMIN CONCENTRATES AND THE LIKE, USED IN MEDICINE AND PHARMACY.
Claims use since 1929.

Ser. No. 439,591. GERMAINE MONTEIL COSMETIQUES CORPORATION, New York, N. Y. Filed Jan. 11, 1941.

Muted Rose

The word "Rose" is disclaimed apart from the mark.
FOR FACE POWDERS.
Claims use since Jan. 2, 1941.

Ser. No. 439,679. THE WILSON CHEMICAL COMPANY, INC., Tyrone, Pa. Filed Jan. 14, 1941.

CLOVERINE BRAND

BALM

No claim is made to the words Brand and Balm apart from the mark.
FOR SALVE FOR THE TREATMENT OF CUTANEOUS IRRITATIONS, BURNS, SUNBURN, CHAP, TENDER FEET, COLDS, NASAL AND THROAT IRRITATIONS, COUGHS, MUSCULAR SORENESS, INSECT BITES, ALSO TO BE USED AS A LINIMENT.
Claims use since Jan. 1, 1939.

Ser. No. 439,787. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Jan. 18, 1941.

BESIXIN

FOR PYRIDOXINE HYDROCHLORIDE (SYNTHETIC CRYSTALLINE VITAMIN B_6 HYDROCHLORIDE) FOR THE PREVENTION AND TREATMENT OF VITAMIN B_6 DEFICIENCY.
Claims use since Dec. 13, 1940.

Ser. No. 439,838. SHARP & DOHME, INCORPORATED Philadelphia, Pa. Filed Jan. 21, 1941.

ARAMINE

FOR SUBSTANCES HAVING CHEMICAL AND PHYSIOLOGICAL PROPERTIES RELATIVELY SIMILAR TO AND EQUIVALENT TO EPHEDRINE, AMPHETAMINE AND OTHER SUBSTITUTED ARYL, ALKYL AMINES AND PREPARATIONS CONTAINING SUCH SUBSTANCES, AND PREPARATIONS USEFUL AS NASAL INHALANTS, VASOCONSTRICTING AGENTS, PRESSOR AGENTS AND APPLICABLE FOR ANY USES TO WHICH NASAL INHALANTS, VASOCONSTRICTING AGENTS AND PRESSOR AGENTS MAY BE USED.
Claims use since Jan. 15, 1941.

Ser. No. 439,853. ERNEST YANCEY, doing business as Scalp-X Company, Cleveland, Ohio. Filed Jan. 21, 1941.

SCALP-X

The word "Scalp" is disclaimed except in combination with the letter X.
FOR SCALP SALVE OR OINTMENT.
Claims use since June 1, 1937.

Ser. No. 439,862. FLORID CO., New York, N. Y. Filed Jan. 22, 1941.

FLORID

FOR NAIL POLISH.
Claims use since Dec. 4, 1940.

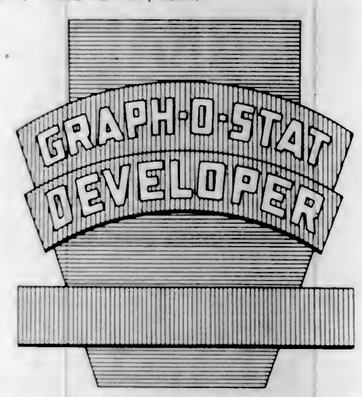
Ser. No. 439,888. CLAIROL, INCORPORATED, Stamford, Conn. Filed Jan. 23, 1941.

CLAIROL



FOR HAIR TINTS, HAIR DYE, HAIR WASHES, SHAMPOO, AND HAIR DYE REMOVERS.
Claims use since January, 1931.

Ser. No. 439,933. PHILIP A. HUNT COMPANY, Brooklyn, N. Y. Filed Jan. 24, 1941.



The drawing is lined for red and blue. No claim is made to the word "Developer" apart from the mark.
FOR CHEMICALS FOR DEVELOPING LINE AND HALF-TONE NEGATIVES.
Claims use since Jan. 2, 1941.

Ser. No. 440,084. WILLIAM COOPER & NEPHEWS, INCORPORATED, Chicago, Ill. Filed Jan. 29, 1941.

COLLOY

FOR HAIR SHAMPOO.
Claims use since Jan. 5, 1941.

Ser. No. 440,190. DOME CHEMICALS, INC., New York, N. Y. Filed Feb. 1, 1941.

DAXALAN

FOR MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF THE SKIN AND SCALP.
Claims use since Jan. 28, 1941.

Ser. No. 440,191. DOME CHEMICALS, INC., New York, N. Y. Filed Feb. 1, 1941.

DOMOLENE

FOR MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF THE SKIN AND SCALP.
Claims use since Dec. 1, 1940.

Ser. No. 440,212. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Feb. 1, 1941.

IMULARV

FOR MOTH-PROOFING COMPOUND.
Claims use since Jan. 25, 1941.

Ser. No. 440,213. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Feb. 1, 1941.

LARV-O-NIL

FOR MOTH-PROOFING COMPOUND.
Claims use since Jan. 25, 1941.

Ser. No. 440,216. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 1, 1941.

Amsol

FOR LIQUID PETROLATUM.
Claims use since Nov. 20, 1930.

Ser. No. 440,219. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 1, 1941.

Panacol

FOR LIQUID PETROLATUM.
Claims use since Nov. 20, 1930.

Ser. No. 440,220. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 1, 1941.

Takol

FOR LIQUID PETROLATUM.
Claims use since Nov. 20, 1930.

Ser. No. 440,221. E. R. SQUIBB & SONS, New York, N. Y Filed Feb. 1, 1941.

RIBOTHIAMIDE

FOR VITAMINIC PREPARATIONS.
Claims use since Jan. 27, 1941.

Ser. No. 440,245. HAAS-MILLER CORP., Philadelphia, Pa. Filed Feb. 3, 1941.

HANIGEL

FOR GELATINOUS CHEMICAL USED AS A SIZING AND FINISHING MEDIUM IN THE TREATMENT OF TEXTILE FABRICS.
Claims use since Jan. 4, 1941.

Ser. No. 440,246. HAAS-MILLER CORP., Philadelphia, Pa. Filed Feb. 3, 1941.

HAMIGUM

FOR SODIUM MANNURONATE USED IN THE TEXTILE INDUSTRY FOR SIZING WARPS AND FOR GENERAL TEXTILE FINISHING.
Claims use since Jan. 4, 1941.

Ser. No. 440,329. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Feb. 5, 1941.

RAMASIT

FOR COLLOIDAL DISPERSION SUITABLE FOR WATER-PROOFING TEXTILES.
Claims use since Sept. 17, 1927.

Ser. No. 440,353. B & M COMPANY, Grand Saline, Tex. Filed Feb. 6, 1941.

SEPTANI

FOR ANTISEPTIC.
Claims use since Jan. 15, 1941.

Ser. No. 440,402. ANGLO-FRENCH LABORATORIES, INC., New York, N. Y. Filed Feb. 7, 1941.

FERSENIC

FOR MEDICINAL PREPARATION FOR TREATMENT OF THE BLOOD.
Claims use since November, 1940.

Ser. No. 440,487. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Feb. 10, 1941.

AMOLEX

FOR CHEMICAL PREPARATIONS FOR INHIBITING CORROSION.
Claims use since Oct. 26, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 431,366. MCGREW PAINT & ASPHALT CO., Chicago, Ill. Filed Apr. 29, 1940.



The words "Mastic," "Waterproofs," "Insulates," "Resurfaces," and "Beautifies" are disclaimed apart from the mark.
FOR ASPHALTIC COMPOUND FOR SEALING, INSULATING, OR WATERPROOFING EXTERIOR AND INTERIOR SURFACES.
Claims use since Apr. 16, 1940.

Ser. No. 439,038. BEAVER PORTLAND CEMENT COMPANY, Portland and Gold Hill, Oregon. Filed Dec. 20, 1940.



FOR PORTLAND CEMENT.
Claims use since 1914.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 438,788. THE AUTOYRE COMPANY, INCORPORATED, Oakville, Conn. Filed Dec. 13, 1940.

AUTOYRE

HY GRADE

CHROMIUM

The words "Chromium" and "Hy Grade" are disclaimed apart from the mark.
FOR SOAP DISHES, TOWEL BARS, ROLL HOLDERS, TUMBLER AND TOOTHBRUSH HOLDERS, TOWEL RACKS, AND UTILITY HOOKS, ALL FOR ATTACHMENT TO A WALL OR OTHER SUPPORT, AND GLASS AND PORCELAIN BATHROOM SHELVES AND SHELF BRACKETS THEREFOR.
Claims use since Feb. 15, 1938.

CLASS 15

OILS AND GREASES

Ser. No. 438,007. RICHARD E. HOUSER, Houston, Tex. Filed Nov. 18, 1940.

COL-ITE

FOR LUBRICATING OIL WHICH HAS CLEANING, PENETRATING, AND RUST PREVENTING PROPERTIES.
Claims use since Sept. 25, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 437,999. DUPLI-COLOR PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 18, 1940.

Dupli-Color

The word "Color" is disclaimed apart from the mark.
FOR READY MIXED PAINTS.
Claims use since Nov. 6, 1940.

Ser. No. 438,103. CHARLES M. ALBION, doing business as Albion & Sons, Cambridge, Mass. Filed Nov. 22, 1940.

car-glo

FOR CLEANER AND POLISH FOR VARNISHED, ENAMELED, LACQUERED, OR PAINTED SURFACES AND HAVING INCIDENTAL PROPERTIES AS A CLEANER AND POLISH FOR LEATHER AND GLASS.
Claims use since June 21, 1940.

Ser. No. 439,423. ALOX CORPORATION, Niagara Falls, N. Y. Filed Jan. 6, 1941.

ALOX

FOR CORROSION-PREVENTING FILM-FORMING COMPOSITIONS IN THE NATURE OF PAINTS IN LIQUID AND PASTE FORMS, AND VEHICLES THEREFOR.
Claims use since June 30, 1937.

Ser. No. 439,523. ZOLTAN E. ROTH, doing business as Z. E. Roth Paint Company and as Magnolia State Paint Products, Meridian, Miss. Filed Jan. 9, 1941.

ZOLITE

FOR PAINTS IN READY-MIXED LIQUID, SEMI-LIQUID, AND PASTE FORMS; VARNISHES, LACQUERS, PAINT ENAMELS, PRIMERS, OIL COLORS, GRAINING COLORS, AND GLAZING LIQUIDS; WALL, FLOOR, SCREEN, AND SHINGLE STAINS; GRAPHITE, DRYERS, OILS, SOLVENTS, THINNERS, AND DILUENTS FOR USE IN PAINTS, VARNISHES, LACQUERS, AND PAINT ENAMELS, AND PAINT AND VARNISH REMOVERS.
Claims use since March, 1939.

Ser. No. 439,830. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J. Filed Jan. 21, 1941.

BAFLEX

FOR CLEAR AND PIGMENTED LACQUERS, LACQUER ENAMELS, AND BAKING ENAMELS.
Claims use since February, 1936.

Ser. No. 439,831. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J. Filed Jan. 21, 1941.

LEAFLEX

FOR ALUMINUM MIXING LACQUERS.
Claims use since April, 1932.

Ser. No. 439,832. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J. Filed Jan. 21, 1941.

ROXYN

FOR CLEAR AND PIGMENTED UREA FORMALDEHYDE VARNISHES AND BAKING ENAMELS.
Claims use since June, 1935.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 435,790. CONSTANTINO GONZALEZ Y CIA. S. EN C., Habana, Cuba. Filed Sept. 9, 1940.



FOR CIGARS.
Claims use since Aug. 17, 1938.

Ser. No. 439,349. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Jan. 2, 1941.

PREMIER

FOR CIGARS.
Claims use since Mar. 1, 1919.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 431,167. LAWRENCE J. LEVINE, New York, N. Y. Filed Apr. 24, 1940.

VISIBEL

FOR ELECTROMAGNETICALLY OPERATED SWITCHES.
Claims use since Nov. 1, 1939.

Ser. No. 436,692. GLOBE-UNION INC., Milwaukee, Wis. Filed Oct. 7, 1940.



No claim is made to the words "Spinning Power" apart from the mark.
FOR STORAGE BATTERIES.
Claims use since Sept. 15, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 437,270. A. B. CHANCE COMPANY, Centralia, Mo. Filed Oct. 25, 1940.

INVASION

FOR GAMES, COMPRISING A GAME BOARD EQUIPPED WITH PIECES FOR PLACEMENT AND MOVEMENT ON THE BOARD.
Claims use since Oct. 21, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 431,499. GEORGE SCHERR COMPANY, Brooklyn, N. Y. Filed May 2, 1940.

MAGNE BLOX

FOR MAGNETIC PARALLELS AND V BLOCKS FOR CHUCKS.
Claims use since Jan. 2, 1940.

Ser. No. 433,375. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y. Filed June 26, 1940.

BUFLOWELD

FOR MACHINES FOR DRYING OR EVAPORATING LIQUIDS, INCLUDING ROTARY DRYERS, AND EVAPORATORS.
Claims use since Oct. 14, 1938.

Ser. No. 437,053. BLACKHAWK MFG. CO., West Allis, Wis. Filed Oct. 18, 1940.

Power-Packer

The lining on the drawing indicates the color red, but mark is not restricted to this color. The word "Power" is disclaimed apart from the mark.
FOR HYDRAULIC PUMP AND RAM UNITS.
Claims use since Oct. 1, 1937.

Ser. No. 438,872. DILLE & MCGUIRE MFG. CO., Richmond, Ind. Filed Dec. 16, 1940.

Grass Groomer

FOR LAWN MOWERS.
Claims use since July 5, 1940.

Ser. No. 439,193. BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa. Filed Dec. 26, 1940.

CUROLOY

FOR FINISHING ROLLS FOR ROLLING MILLS.
Claims use since Sept. 23, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 429,639. AERONAUTICAL MANUFACTURING CORPORATION, Buffalo, N. Y. Filed Mar. 16, 1940.

AEROMAC

FOR AUTOMATIC THERMALLY OPERATED AIRPLANE ENGINE COOLING LOUVER CONTROLS.
Claims use since Dec. 18, 1939.

Ser. No. 439,480. GASPARCOLOR, INC., Hollywood, Calif. Filed Jan. 8, 1941.

GASPARCOLOR

FOR SENSITIZED PHOTOGRAPHIC MATERIALS—NAMELY, PAPER AND FILMS; AND FILMS BEARING DEVELOPED PHOTOGRAPHIC IMAGES.
Claims use since July 1, 1940.

Ser. No. 439,482. GASPARCOLOR, INC., Hollywood, Calif. Filed Jan. 8, 1941.

GASPARCOLOR

The lining on the drawing is to express the colors yellow, blue and red.
FOR SENSITIZED PHOTOGRAPHIC MATERIALS—NAMELY, PAPER AND FILMS; AND FILMS BEARING DEVELOPED PHOTOGRAPHIC IMAGES.
Claims use since July 1, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 439,221. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Dec. 27, 1940.

BLACK HAWK

FOR WATCHES—NAMELY, WRIST OR STRAP WATCHES.
Claims use since Oct. 12, 1939.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 437,549. BEDFORD REFRIGERATION SERVICE CORP., Brooklyn, N. Y. Filed Nov. 4, 1940.

BEDFORD COLD AIRFLOW

The words "Bedford" and "Cold" are disclaimed apart from the mark.
FOR COLD STORAGE REFRIGERATORS AND REFRIGERATING DISPLAY CASES.
Claims use since July 1, 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 437,541. ALLIED STORES CORPORATION, Wilmington, Del., doing business as the Bon Marche, Seattle, Wash. Filed Nov. 4, 1940.

Harmony Home Schemes

FOR LIVING ROOM, DINING ROOM, BEDROOM, AND KITCHEN FURNITURE.
Claims use since Aug. 21, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 437,481. ARTHUR R. PITMAN, doing business as Arthur & Foster, Lynn, Mass. Filed Nov. 1, 1940.

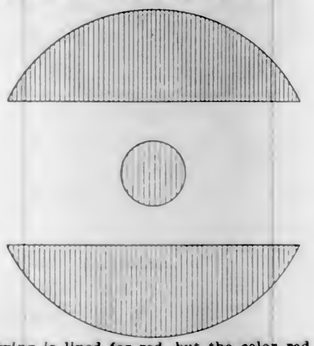
Golden Brown

FOR GAS COOKING STOVE.
Claims use since Apr. 2, 1935.

CLASS 37

PAPER AND STATIONERY

Ser. No. 432,265. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed May 23, 1940.



The drawing is lined for red, but the color red is not claimed as a material feature of the mark.
FOR PAPER—NAMELY, WRITING PAPER, PRINTING PAPER, PAPER ROLLS, PAPER STRIPS, RECEIPT PAPER, AND AUTOGRAPH PAPER.
Claims use since May 17, 1940.

Ser. No. 432,266. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed May 23, 1940.



The drawing is lined for red, but the color red is not claimed as a material feature of the mark.
FOR PAPER—NAMELY, WRITING PAPER, PRINTING PAPER, PAPER ROLLS, PAPER STRIPS, RECEIPT PAPER, AND AUTOGRAPH PAPER.
Claims use since May 17, 1940.

Ser. No. 432,267. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed May 23, 1940.



The word "Guaranteed" is disclaimed apart from the mark. The drawing is lined for red but the color red is not claimed as a material feature of the mark.
FOR PAPER—NAMELY, WRITING PAPER, PRINTING PAPER, PAPER ROLLS, PAPER STRIPS, RECEIPT PAPER, AND AUTOGRAPH PAPER.
Claims use since May 17, 1940.

Ser. No. 436,751. WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed Oct. 8, 1940.



Shirley

The picture is fanciful.
FOR FILLERS, TABLETS, BLANK BOOKS, AND COMPOSITION BOOKS.
Claims use since Aug. 29, 1940.

Ser. No. 438,292. WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed Nov. 27, 1940.

Kwick-Rite

FOR NOTE BOOKS.
Claims use since Oct. 30, 1940.

Ser. No. 438,407. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa. Filed Nov. 30, 1940.

Guild

FOR ADDING MACHINE PAPER, ADDRESS BOOKS, ARCH FILES, BRIEF COVERS, CALENDAR PADS, CALENDAR STANDS, CLIP BOARDS, COLUMNAR BOOKS, COUPON BOOKS, COVERS, CROSS SECTION PADS, DATERS, DESK TRAY SUPPORTS, EXPANDING VERTICAL FILES, FIGURE SETS, FILE POCKETS, FILING LABELS, INDEX TABS, LEADS, LETTER FILES, LETTER SETS, LETTER TRAYS, LETTERING GUIDES, MANUSCRIPT COVERS, MIMEOGRAPH PAPER, NUMBERERS, NUMBERING MACHINE PADS, OFFICE PRINTING OUTFITS, ORDER BOOKS, PADS, PAPER FASTENER WASHERS, PENCIL SHARPENER CLAMPS, RECEIPT BOOKS, SIGN AND PRICE PRINTERS, SPONGE CUPS, STAPLES, STATIONERY TRAYS, STENCILS, STYLUS, TELEPHONE NUMBER BOOKS, THUMB TACKS, TYPEWRITER TWIRLERS, AND VERTICAL FILING ENVELOPES.
Claims use since Feb. 17, 1922.

Ser. No. 439,270. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Dec. 30, 1940.

LITHOCOTE

FOR BLOTTING PAPER, COVER PAPER, BOX COVERING PAPER, BOOK PAPER, BOND PAPER, AND BRISTOL BOARD.
Claims use since Dec. 26, 1940.

Ser. No. 439,334. DETROIT SULPHITE PULP & PAPER CO., Detroit, Mich. Filed Jan. 2, 1941.

ARTLINE

FOR WRAPPING AND COVER PAPER.
Claims use since Oct. 15, 1929.

Ser. No. 439,418. RITE-RITE MFG. CO., Chicago, Ill. Filed Jan. 4, 1941.

PENETELLA

FOR MECHANICAL PENCILS AND FOUNTAIN PENS.
Claims use since Dec. 20, 1940.

Ser. No. 439,497. STANDARD INSULATION COMPANY, East Rutherford, N. J. Filed Jan. 8, 1941.

SILITE

FOR COATED OR VARNISHED PAPER.
Claims use since Dec. 17, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 438,781. TIMES PUBLISHING CORPORATION, Beverly, Mass. Filed Dec. 12, 1940.

Beverly Evening Times

The word "Beverly" is disclaimed apart from the mark.
FOR NEWSPAPER.
Claims use since 1893.

Ser. No. 439,268. THE CROWELL-COLLIER PUBLISHING COMPANY, New York, N. Y. Filed Dec. 30, 1940.

Women's Home Companion

FOR MONTHLY MAGAZINE.
Claims use since January, 1897.

Ser. No. 439,294. NORTH AMERICAN NEWSPAPER ALLIANCE, INC., New York, N. Y. Filed Dec. 30, 1940.

The World Today

FOR NEWSPAPER FEATURE OR COLUMN.
Claims use since Nov. 18, 1940.

CLASS 39

CLOTHING

Ser. No. 419,584. LORD & TAYLOR, New York, N. Y. Filed May 19, 1939.

MAD MONEY

FOR SLIPS, PETTICOATS, CAMISOLES, UNDERVESTS, UNDERSKIRTS, CORSETS, CHEMISES, HOSIERY, BRASSIÈRES, PANTIES, AND GARTER BELTS.
Claims use since Apr. 19, 1939.

Ser. No. 436,552. SALANT & SALANT, INC., New York, N. Y. Filed Oct. 1, 1940.

DOUBLE RINGER

FOR MEN'S AND BOYS' WORK AND DRESS SHIRTS.
Claims use since August, 1940.

Ser. No. 437,010. ONEITA KNITTING MILLS, Utica, N. Y. Filed Oct. 16, 1940.



The drawing is lined for shading. No claim is made to the words "Full Freedom Sleeve, Non-Rip, For the Athletic Man and Boy" apart from the mark.
FOR SWEAT SHIRT.
Claims use since July 29, 1940.

Ser. No. 437,056. CHICOPEE SALES CORPORATION, New York, N. Y. Filed Oct. 18, 1940.

Chix

FOR TEXTILE DIAPERS.
Claims use since Jan. 9, 1940.

Ser. No. 437,140. MEN'S WEAR SALES CORP., New York, N. Y. Filed Oct. 21, 1940.

Wickburn

FOR MEN'S AND BOYS' HATS, SUITS, OVERCOATS, TOPCOATS, TROUSERS, KNICKERS, SHORTS, PANTS, CAPS, DRESS SHIRTS, NEGLIGEE SHIRTS, POLO SHIRTS, LEATHER GLOVES, FABRIC GLOVES, WOOL GLOVES, COTTON GLOVES, MITTENS, COATS, LEATHER SLIPPERS, FABRIC SLIPPERS, SWEATERS, BATHING SUITS, CRAVATS, SCARFS, UNDERWEAR, HOSIERY, SUSPENDERS, GARTERS, BELTS, PAJAMAS, AND LOUNGING ROBES FOR MEN AND BOYS.
Claims use since Mar. 15, 1937.

Ser. No. 437,251. ROLANDA MODES, INC., New York, N. Y. Filed Oct. 24, 1940.

Rollie Junior

The word "Junior" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' DRESSES, COATS, SUITS, UNDERWEAR, PAJAMAS, NIGHTGOWNS AND KIMONOS, AND CHILDREN'S COATS, UNDERWEAR, NIGHTGOWNS AND KIMONOS.
Claims use since Oct. 1, 1940.

Ser. No. 437,325. TOPPS SHOE CORPORATION, New York, N. Y. Filed Oct. 26, 1940.



Applicant disclaims the phrases "Hand Crafted," "Timely Styles," and "Narrow Heel."
FOR SHOES OF LEATHER, RUBBER, OR FABRIC, OR A COMBINATION OF SAID MATERIALS.
Claims use since May 1, 1940.

Ser. No. 437,522. MUSEBECK SHOE COMPANY, Danville, Ill. Filed Nov. 2, 1940.



The phrases "Health Shoes" and "For Men, Women, and Children" are disclaimed apart from the mark.
FOR BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Oct. 2, 1940.

Ser. No. 437,817. FRANC, STROHMENGER & COWAN, INC., Troy, N. Y. Filed Nov. 13, 1940.



No claim is made to the words "The Knot of Perfection" apart from the mark.
FOR NECKTIES.
Claims use since May 10, 1940.

Ser. No. 439,012. JOSEPH BERKMAN, doing business as Berkman Brothers, Pittsburgh, Pa. Filed Dec. 19, 1940.



The word "Juniors" is disclaimed apart from the mark.
FOR WOMEN'S DRESSES, COATS, SUITS, AND FUR COATS AND FUR JACKETS.
Claims use since January, 1940.

Ser. No. 439,276. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,277. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claim use since Mar. 25, 1935.

Ser. No. 439,281. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,282. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,283. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,285. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,286. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,287. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,288. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the words "Fit" and "Sur-Grip."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,290. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn. Filed Dec. 30, 1940.



Applicant disclaims the word "Fit."
FOR GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 25, 1935.

Ser. No. 439,303. EARNSHAW KNITTING COMPANY, Newton, Mass. Filed Dec. 31, 1940.



FOR PACKAGED CHILDREN'S AND INFANTS' GARMENTS—NAMELY, SHIRTS, VESTS, NIGHTGOWNS AND ABDOMINAL BANDS.
Claims use since Dec. 6, 1940.

Ser. No. 439,633. A. SANDLER CO., Boston, Mass. Filed Jan. 13, 1941.

SQUAWS

FOR SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF FOR MEN, WOMEN, AND CHILDREN.
Claims use since Oct. 31, 1940.

Ser. No. 439,642. WELLS LAMONT SMITH CORPORATION, Chicago, Ill. Filed Jan. 13, 1941.



FOR WORK GLOVES.
Claims use since Nov. 15, 1931.

Ser. No. 439,682. BESTFORM FOUNDATIONS, INC., New York, N. Y. Filed Jan. 14, 1941.

Angela

FOR BRASSIÈRES, BANDEAUX, AND FOUNDATION GARMENTS.
Claims use since Dec. 23, 1940.

Ser. No. 439,886. EUGENE TAYLOR BOWMAN, doing business as The Bowman Overall Co., Knoxville, Tenn. Filed Jan. 23, 1941.



FOR OVERALLS, OVERALL JUMPERS, WORK PANTS, AND WORK SHIRTS.
Claims use since Jan. 1, 1908.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 439,543. GENERAL RIBBON MILLS, INC., Dover, Del., and New York, N. Y. Filed Jan. 10, 1941.

Beau Catchers

FOR RIBBON BOWS.
Claims use since July, 1936.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 431,146. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Apr. 24, 1940. Under section 5b of act of 1905 as amended in 1920.

CHENEY fabrics

The word "Fabrics" is disclaimed apart from the mark.
FOR FABRICS MADE OF SILK, RAYON, COTTON, WOOL, AND MIXTURES THEREOF, AND VELVET FABRICS, USED IN THE MAKING OF DRESSES, NECKTIES, SHIRTWAISTS, UNDERWEAR, NEGLIGEES, SHIRTS, UPHOLSTERY, DRAPERIES, AND BEDSPREADS.
Claims use since 1850.

Ser. No. 434,437. FORSTER TEXTILE MILLS, INC., Chicago Heights, Ill. Filed July 29, 1940.

Petticoat Flounce

The word "Flounce" is disclaimed apart from the mark.
FOR CURTAINS, DRAPES, VALANCES, AND FABRICS THEREFOR.
Claims use since June 15, 1940.

Ser. No. 437,642. BROOKHAVEN TEXTILES, INC., New York, N. Y. Filed Nov. 7, 1940.

BROOKORD

FOR CORDUROY PIECE GOODS.
Claims use since June 26, 1939.

Ser. No. 439,248. BRITTON FABRICS, New York, N. Y. Filed Dec. 28, 1940.

FULLERIZED

FOR PIECE GOODS MADE OF WOOL, WORSTED, SILK, COTTON, LINEN OR RAYON, OR ANY COMBINATION THEREOF.
Claims use since July 1, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 428,149. COE LABORATORIES, INC., Chicago, Ill. Filed Feb. 2, 1940.

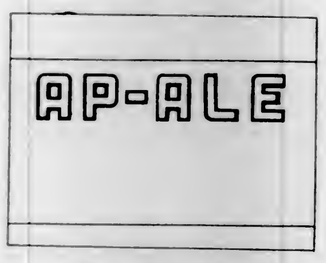
COE TRANS

The word "Coe" is disclaimed apart from the mark.
FOR IMPRESSION PASTE FOR OBTAINING EQUALIZATION OF TISSUE COMPRESSION IN FULL DENTURE IMPRESSIONS.
Claims use since May 8, 1939.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 425,057. MUTUAL CITRUS PRODUCTS CO. INC., Anaheim, Calif. Filed Oct. 30, 1939.



No claim is made to the word "Ale" or to the representation of a label apart from the mark.
FOR CARBONATED, NONALCOHOLIC BEVERAGE.
Claims use since Oct. 6, 1939.

Ser. No. 438,571. GERACHS FOOD PRODUCTS, INC., Jersey City, N. J. Filed Dec. 6, 1940.

VITA-RAYED

FOR NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND CONCENTRATE FOR MAKING THE SAME.
Claims use since Apr. 7, 1937.

Ser. No. 439,030. THE SPLASH COMPANY, Pittsburgh, Pa. Filed Dec. 19, 1940.

Splash

FOR CARBONATED NONALCOHOLIC FRUIT JUICE BEVERAGE, AND FOR CONCENTRATES, EXTRACTS, AND OTHER BASES FOR SUCH BEVERAGE.
Claims use since March, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 423,621. JOHN EDWARD STRONG, Oklahoma City, Okla. Filed Sept. 13, 1939.



No claim is made to the word "Bucket" except as shown.
FOR SANDWICH COMPOSED OF MEAT, BREAD, SPECIAL SAUCE, RELISHES, AND ONIONS, SERVED WITH SHOE-STRING POTATOES IN A BUCKET SHOWING THE TRADE-MARK, FOR CONSUMPTION ON THE PREMISES, OR DELIVERED FOR CONSUMPTION OFF THE PREMISES IN A PASTEBOARD CONTAINER BEARING THE TRADE-MARK, WRAPPED IN PAPER HAVING THE TRADE-MARK PRINTED THEREON.
Claims use since Sept. 1, 1939.

Ser. No. 425,049. FRUITVALE CANNING COMPANY, Oakland, Calif. Filed Oct. 30, 1939.



No claim is made to the outline of the label apart from the mark.

FOR CANNED FRUITS—NAMELY, CANNED APRICOTS, PEACHES, AND PEARS.

Claims use since Aug. 15, 1939.

Ser. No. 425,880. COMPAÑIA SANSINENA, SOCIEDAD ANONIMA (CARNES Y DERIVADOS), Buenos Aires, Argentina. Filed Nov. 22, 1939.

LA NEGRA

FOR CHILLED AND FROZEN BEEF, LAMB, AND PORK, CANNED MEAT—NAMELY, CORNED BEEF, ROAST BEEF, BOILED BEEF, BRISKET BEEF, PRESSED BEEF, ROAST MUTTON, BOILED MUTTON, CORNED MUTTON, CORNED PORK, PRESSED PORK, STEWED KIDNEYS, OX TRIPE, OX TONGUES, CALF TONGUES, LAMB TONGUES, JELLIED VEAL, LUNCHEON MEAT, PORK BRAWN, LUNCHEON BEEF, CORNED BEEF LOAF, VEAL LOAF, PORK LOAF, BOILED VEAL, GALANTINE VEAL, SAUSAGES, PREPARED DISHES CONSISTING OF COMMINUTED HAM OR TONGUE MIXED WITH RICE OR VEGETABLES, MUSTARD, PICKLES, AND RELISHES—NAMELY, MEAT EXTRACT, TOMATO EXTRACT, KETCHUP, CHILLI SAUCE AND WORCESTER SAUCE; PICKLED INDIAN DWARF PEPPER, CAYENNE PEPPER, CURRY POWDER, CHUTNEY, CINNAMON, CLOVE, VINEGAR, MAYONNAISE, TRUFFLES, MILK JAM, QUINCE JAM AND JELLY, FRUIT JAM AND MARMALADE AND SWEET POTATO JAM.

Claim use since June, 1933.

Ser. No. 425,881. COMPAÑIA SANSINENA SOCIEDAD ANONIMA (CARNES Y DERIVADOS), Buenos Aires, Argentina. Filed Nov. 22, 1939.

PROTINARINA

FOR CHILLED AND FROZEN BEEF, LAMB, AND PORK, CANNED MEAT—NAMELY, CORNED BEEF, ROAST BEEF, BOILED BEEF, BRISKET BEEF, PRESSED BEEF, ROAST MUTTON, BOILED MUTTON, CORNED MUTTON, CORNED PORK, PRESSED PORK, STEWED KIDNEYS, OX TRIPE, OX TONGUES, CALF TONGUES, LAMB TONGUES, JELLIED VEAL, LUNCHEON MEAT, PORK BRAWN, LUNCHEON BEEF, CORNED BEEF LOAF, VEAL LOAF, PORK LOAF, BOILED VEAL, GALANTINE VEAL, SAUSAGES, PREPARED DISHES CONSISTING OF COMMINUTED HAM OR TONGUE MIXED WITH RICE OR VEGETABLES, MUSTARD, PICKLES, AND RELISHES—NAMELY, MEAT EXTRACT, TOMATO EXTRACT, KETCHUP, CHILLI SAUCE AND WORCESTER SAUCE; PICKLED INDIAN DWARF PEPPER, CAYENNE PEPPER, CURRY POWDER, CHUTNEY, CINNAMON, CLOVE, VINEGAR, MAYONNAISE, TRUFFLES, MILK JAM, QUINCE JAM AND JELLY, FRUIT JAM AND MARMALADE AND SWEET POTATO JAM.

Claims use since June, 1933.

Ser. No. 425,882. COMPAÑIA SANSINENA, SOCIEDAD ANONIMA (CARNES Y DERIVADOS), Buenos Aires, Argentina. Filed Nov. 22, 1939.



FOR CHILLED AND FROZEN BEEF, LAMB, AND PORK, CANNED MEAT—NAMELY, CORNED BEEF, ROAST BEEF, BOILED BEEF, BRISKET BEEF, PRESSED BEEF, ROAST MUTTON, BOILED MUTTON, CORNED MUTTON, CORNED PORK, PRESSED PORK, STEWED KIDNEYS, OX TRIPE, OX TONGUES, CALF TONGUES, LAMB TONGUES, JELLIED VEAL, LUNCHEON MEAT, PORK BRAWN, LUNCHEON BEEF, CORNED BEEF LOAF, VEAL LOAF, PORK LOAF, BOILED VEAL, GALATINE VEAL, SAUSAGES, PREPARED DISHES CONSISTING OF COMMINUTED HAM OR TONGUE MIXED WITH RICE OR VEGETABLES, MUSTARD, PICKLES, AND RELISHES—NAMELY, MEAT EXTRACT, TOMATO EXTRACT, KETCHUP, CHILLI SAUCE AND WORCESTER SAUCE; PICKLED INDIAN DWARF PEPPER, CAYENNE PEPPER, CURRY POWDER, CHUTNEY, CINNAMON, CLOVE, VINEGAR, MAYONNAISE, TRUFFLES, MILK JAM, QUINCE JAM AND JELLY, FRUIT JAM AND MARMALADE AND SWEET POTATO JAM.

Claims use since July, 1933.

Ser. No. 425,883. COMPAÑIA SANSINENA, SOCIEDAD ANONIMA (CARNES Y DERIVADOS), Buenos Aires, Argentina. Filed Nov. 22, 1939.

SANSINENA

FOR CHILLED AND FROZEN BEEF, LAMB, AND PORK, CANNED MEAT—NAMELY, CORNED BEEF, ROAST BEEF, BOILED BEEF, BRISKET BEEF, PRESSED BEEF, ROAST MUTTON, BOILED MUTTON, CORNED MUTTON, CORNED PORK, PRESSED PORK, STEWED KIDNEYS, OX TRIPE, OX TONGUES, CALF TONGUES, LAMB TONGUES, JELLIED VEAL, LUNCHEON MEAT, PORK BRAWN, LUNCHEON BEEF, CORNED BEEF LOAF, VEAL LOAF, PORK LOAF, BOILED VEAL, GALANTINE VEAL, SAUSAGES, PREPARED DISHES CONSISTING OF COMMINUTED HAM OR TONGUE MIXED WITH RICE OR VEGETABLES, MUSTARD, PICKLES, AND RELISHES—NAMELY, MEAT EXTRACT, TOMATO EXTRACT, KETCHUP, CHILLI SAUCE AND WORCESTER SAUCE; PICKLED INDIAN DWARF PEPPER, CAYENNE PEPPER, CURRY POWDER, CHUTNEY, CINNAMON, CLOVE, VINEGAR, MAYONNAISE, TRUFFLES, MILK JAM, QUINCE JAM AND JELLY, FRUIT JAM AND MARMALADE AND SWEET POTATO JAM.

Claims use since January, 1929.

Ser. No. 434,587. WUICHET PRODUCTS, INC., Dayton, Ohio. Filed Aug. 1, 1940.

WUICHET'S

MORKREAM MINERAL

No claim is made to the word "Wuichet's" and "Mineral."

FOR MINERAL DAIRY CATTLE FEED.

Claims use since Jan. 1, 1940.

Ser. No. 437,275. E. E. EDENFIELD, doing business as E. E. Edenfield Co., Lakeland, Fla. Filed Oct. 25, 1940.

SUN BOWL

FOR CANNED TOMATOES AND CANNED CITRUS FRUITS AND JUICES FOR FOOD PURPOSES.

Claims use since Sept. 1, 1940.

Ser. No. 437,464. COCILANA, INC., Brooklyn, N. Y. Filed Nov. 1, 1940.



The words "Lana's" and "Coffee" are disclaimed apart from the mark.

FOR COFFEE FLAVORED CANDY TABLETS.

Claims use since July, 1939.

Ser. No. 438,100. THOMAS C. THOMAS, Wilkes-Barre, Pa. Filed Nov. 20, 1940.



The word "Brand" is disclaimed.

FOR FRESH TOMATOES.

Claims use since Oct. 8, 1940.

Ser. No. 438,644. HAROLD E. BJORLIN, doing business as Bjorlin Flakee-Ry Co., Duluth, Minn. Filed Dec. 9, 1940.



Applicant disclaims the term "Flakee-Ry" apart from the mark.

FOR HARDTACK WAFERS AND DISCS.

Claims use since September, 1937.

Ser. No. 438,649. PHILIP FISCHER, Chicago, Ill. Filed Dec. 9, 1940.



No claim is made to the words "Dog Food" apart from the mark.

FOR DOG FOOD.

Claims use since October, 1940.

Ser. No. 438,754. D. F. BARNES, Homerville, Ga. Filed Dec. 12, 1940.

OKEFENOKEE BRAND

No claim is made to the word "Brand" apart from the mark.

FOR HONEY.

Claims use since January or February, 1937.

Ser. No. 438,875. FLAVORSTAR MFG. CO., Los Angeles, Calif. Filed Dec. 16, 1940.

FLAVORSTAR

The word "Flavor" is disclaimed apart from the mark.

FOR FOOD PRODUCTS—NAMELY, COFFEE.

Claims use since April, 1937.

Ser. No. 438,882. H & H GROCERY CO., Baltimore, Md. Filed Dec. 16, 1940.

LA MARINARA

FOR CANNED VEGETABLES AND FRUITS AND TOMATO PASTE.
Claims use since Sept. 1, 1939.

Ser. No. 438,905. ROPER BROS., INC., Winter Garden, Fla. Filed Dec. 16, 1940.



The picture is fanciful. The lining in the drawing is not restrictively indicative of any particular colors.
Applicant disclaims its corporate name, the word "Fancy" and the representation of an orange or tangerine separately from the mark as shown.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, TANGERINES, AND GRAPEFRUITS.
Claims use since Nov. 18, 1938.

Ser. No. 438,925. D. J. FLETCHER, Eagle Pass, Tex. Filed Dec. 17, 1940.

Jena L Louise

The word "Jena" is disclaimed apart from the mark.
FOR FRESH VEGETABLES, FRESH CITRUS FRUITS, AND FRESH DECIDUOUS FRUITS.
Claims use since Dec. 1, 1940.

Ser. No. 439,183. ZAUSNER & COMPANY, New York, N. Y. Filed Dec. 24, 1940.

Old Royalty

FOR CHEESE.
Claims use since Sept. 1, 1940.

Ser. No. 439,605. JOHN MURRAY HUMPHREYS, doing business as Humphreys Canning Co., Gulfport, Miss. Filed Jan. 15, 1941.

DELTA-MAID



The picture is fanciful.
FOR CANNED SHRIMP AND CANNED OYSTERS.
Claims use since Aug. 15, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 433,412. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind. Filed June 26, 1940.

Goldini

FOR GIN AND BEVERAGES CONTAINING GIN.
Claims use since June 25, 1940.

Ser. No. 438,654. HIRSCH DISTILLING COMPANY, Kansas City, Mo. Filed Dec. 9, 1940. Under 10-year proviso.

OLD EVANS

FOR WHISKEY.
Claims use since January, 1895.

Ser. No. 439,752. JOSEPH S. FINCH AND COMPANY, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind. Filed Jan. 17, 1941.

FOMO

FOR GIN, WHISKEY, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Oct. 3, 1940

Ser. No. 440,056. POPPER-MORSON CO., INC., Jersey City, N. J. Filed Jan. 28, 1941.

DUVET

FOR LIQUEUR.
Claims use since Jan. 14, 1941.

Ser. No. 440,057. POPPER-MORSON CO., INC., Jersey City, N. J. Filed Jan. 28, 1941.

Liquorette

FOR ROCK AND BRANDY.
Claims use since Dec. 5, 1940.

Ser. No. 440,176. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md. Filed Jan. 31, 1941.

BEN-TENE

FOR WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS.
Claims use since December, 1933.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 438,749. LEON F. ANSBACHER, doing business as Fairy Hanger Co., New York, N. Y. Filed Dec. 12, 1940.

"Fairy"

FOR GARMENT HANGERS, HOSE STRETCHER FORMS, AND SWEATER DRYER FORMS.
Claims use since Jan. 1, 1913.

Ser. No. 438,785. THE AMERICAN ART WORKS, INC., Coshocton, Ohio. Filed Dec. 13, 1940.

Syntheloid

FOR NON-ELECTRICAL ADVERTISING SIGNS OF METAL.
Claims use since Dec. 5, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 18, 1941

385,747. GAME TO BE PLAYED IN MOVIE THEATRES AND THE LIKE INVOLVING THE USE OF CONSECUTIVELY NUMBERED CARDS OR TICKETS AND A SPINNING DEVICE TO DETERMINE THE LUCKY NUMBER ACCORDING TO A PREDETERMINED SET OF RULES. JULIUS SANDERS, Brooklyn, N. Y.
Filed December 29, 1937. Serial No. 401,353. PUBLISHED FEBRUARY 14, 1939. Class 22.

385,748. PAINT OILS AND VEHICLES; PAINTS, PASTE AND READY MIXED; PAINT ENAMELS, VARNISHES, AND OTHER DECORATIVE AND PROTECTIVE LIQUID COATINGS FORMULATED FROM BOTH NATURAL AND SYNTHETIC RESINS, VEGETABLE OILS, MINERAL AND CHEMICAL PIGMENTS. L. R. BRADLEY, doing business as The Perlseal Company, New York, N. Y.
Filed June 30, 1938. Serial No. 408,047. PUBLISHED OCTOBER 18, 1938. Class 16.

385,749. CANNED WHOLE RED BEETS, CUT RED BEETS, LIMA BEANS, KIDNEY BEANS, CUT GREEN BEANS, ETC. ROYAL BLUE STORES, INC., Chicago, Ill.
Filed November 30, 1938. Serial No. 413,317. PUBLISHED JANUARY 7, 1941. Class 46.

385,750. DRY, PASTE, AND READY MIXED PAINTS. BAKER PAINT & VARNISH CO., also doing business as Communipaw Paint Works, Jersey City, N. J.
Filed December 21, 1938. Serial No. 414,051. PUBLISHED FEBRUARY 14, 1939. Class 16.

385,751. PHONOGRAPHS, PARTS THEREOF AND ACCESSORIES THERETO, PHONOGRAPH RECORD PLAYERS, PHONOGRAPH RECORD PLAYERS ADAPTED FOR COMBINATION WITH RADIO RECEIVERS, ETC. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed December 30, 1938. Serial No. 414,368. PUBLISHED JANUARY 7, 1941. Class 36.

385,752. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES, AND FOR PRECIOUS STONES. ROSS-BECK CO., Kansas City, Mo.
Filed March 17, 1939. Serial No. 417,184. PUBLISHED DECEMBER 24, 1940. Class 28.

385,753. BAGS AND SACKS COMPOSED OF BURLAP AND/OR COTTON. CHASE BAG COMPANY, New York, N. Y.
Filed May 29, 1939. Serial No. 419,950. PUBLISHED JANUARY 7, 1941. Class 2.

385,754. RADIO COMMUNICATION RECEIVERS, TRANSMITTERS, AND COMPONENT PARTS THEREOF, EXCLUDING BATTERIES. JAMES MILLEN MANUFACTURING COMPANY, INC., Malden, Mass.
Filed June 30, 1939. Serial No. 421,146. PUBLISHED DECEMBER 31, 1940. Class 21.

385,755. BEER. KOPPITZ-MELCHERS, INC., Detroit, Mich.
Filed July 3, 1939. Serial No. 421,243. PUBLISHED JANUARY 7, 1941. Class 48.

385,756. GLAZED FRUITS AND CANDIES, AND CHOCOLATE CANDIES. KING'S BANNER CO., INC., New York, N. Y.
Filed September 1, 1939. Serial No. 423,220. PUBLISHED NOVEMBER 19, 1940. Class 46.

385,757. DUPLICATING MACHINES AND PARTS THEREOF. INTERNATIONAL INDUSTRIES INC., Ann Arbor, Mich.
Filed October 23, 1939. Serial No. 424,809. PUBLISHED JANUARY 7, 1941. Class 23.

385,758. INSULATED ELECTRICAL WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y.
Filed October 26, 1939. Serial No. 424,913. PUBLISHED JANUARY 7, 1941. Class 21.

385,759. ASBESTOS-CEMENT PIPES, ASBESTOS-CEMENT BENDS, ASBESTOS-CEMENT ELBOWS, AND COUPLINGS AND FITTINGS USED IN CONNECTION WITH ASBESTOS-CEMENT PIPES, ETC. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed October 27, 1939. Serial No. 424,963. PUBLISHED DECEMBER 24, 1940. Class 12.

385,760. WINES. VITALIS HIMMER, JR., New York, N. Y.
Filed October 27, 1939. Serial No. 424,981. PUBLISHED JULY 9, 1940. Class 47.

385,761. PAPER STOCK PREPARATION MACHINES. DILTS MACHINE WORKS, INC., Fulton, N. Y.
Filed October 30, 1939. Serial No. 425,044. PUBLISHED JANUARY 7, 1941. Class 23.

385,762. LADIES' AND GENTLEMEN'S FITTED CASES. EMERY AND REDMOND, New York, N. Y.
Filed October 31, 1939. Serial No. 425,087. PUBLISHED JANUARY 7, 1941. Class 3.

385,763. WARDROBE CASES, LADIES' AND GENTLEMEN'S TRAVELING BAGS, LADIES' HANDBAGS, PORTFOLIOS, VALISES, SUIT CASES, BRIEF CASES, AND POCKETBOOKS. EMERY AND REDMOND, New York, N. Y.
Filed October 31, 1939. Serial No. 425,088. PUBLISHED JANUARY 7, 1941. Class 3.

385,764. TRIMMINGS AND ORNAMENTS FOR WEARING APPAREL—NAMELY, BUCKLES OF VARIOUS KINDS, SLIDES, D'S AND RINGS, LOOPS, FASTENERS, CLASPS, AND PARTS THEREOF, ALL OF PLASTIC MATERIAL. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn.
Filed November 1, 1939. Serial No. 425,120. PUBLISHED JANUARY 7, 1941. Class 40.

385,765. CARBONATED GRAPEFRUIT BEVERAGE AND CONCENTRATED GRAPEFRUIT JUICE AND/OR PULP FOR MAKING THE SAME. SUN-Y-SOUTH CONCENTRATES CO., Macon, Ga.
Filed November 7, 1939. Serial No. 425,372. PUBLISHED JANUARY 7, 1941. Class 45.

385,766. METALLIC ROOF TROUGHS TO BE USED FOR ANY TYPE COMPOSITION OR METAL ROOFING. TENNISON BROTHERS INCORPORATED, Memphis, Tenn., and Texarkana, Ark.
Filed January 5, 1940. Serial No. 427,179. PUBLISHED DECEMBER 31, 1940. Class 12.

385,767. CANNED EVAPORATED SKIM MILK, ETC. MORNING MILK COMPANY, Salt Lake City, Utah.
Filed February 6, 1940. Serial No. 428,343. PUBLISHED JUNE 18, 1940. Class 46.

385,768. RAZORS AND RAZOR BLADES. MAGAZINE REPEATING RAZOR COMPANY, New York, N. Y.
Filed March 20, 1940. Serial No. 429,776. PUBLISHED MAY 14, 1940. Class 23.

385,769. WOMEN'S DRESSES, WOMEN'S COATS, WOMEN'S SUITS, HOSIERY, WOMEN'S UNDERWEAR, WOMEN'S HATS, CORSETS, FABRIC GLOVES, HANDKERCHIEFS, SCARVES, SWEATERS, BATHING SUITS, AND BATHING CAPS. LILLIAN RUSSELL, Kew Gardens, N. Y.
Filed April 4, 1940. Serial No. 430,361. PUBLISHED JANUARY 7, 1941. Class 39.

385,770. SHEETS, PILLOW CASES, BED SPREADS, BLANKETS, QUILTS, CURTAINS, AND BEDDING, AND UPHOLSTERED FURNITURE FABRICS IN THE PIECE. NATHAN GENNET, doing business as Sleepmaster Products Company, Newark, N. J.
Filed April 10, 1940. Serial No. 430,600. PUBLISHED JANUARY 7, 1941. Class 42.

385,771. COMBINATION ELECTRIC TIMER AND SCOREBOARD FOR BASKETBALL, FOOTBALL, AND OTHER GAMES. NEVCO SCOREBOARD COMPANY, Greenville, Ill.
Filed April 22, 1940. Serial No. 431,071. PUBLISHED JANUARY 7, 1941. Class 21.

385,772. PERIODICAL PUBLISHED MONTHLY. BUSINESS PUBLISHERS INTERNATIONAL CORPORATION, New York, N. Y.
Filed May 7, 1940. Serial No. 431,644. PUBLISHED DECEMBER 31, 1940. Class 38.

385,773. CLEANSERS FOR FABRICS, WOODWORK, AND ENAMELS AND PORCELAINS. PAPIK PRODUCTS COMPANY, St. Louis, Mo.
Filed May 13, 1940. Serial No. 431,873. PUBLISHED DECEMBER 24, 1940. Class 4.

385,774. COMIC DRAWING ASSOCIATED WITH A NEWSPAPER SECTION PUBLISHED REGULARLY IN DAILY NEWSPAPERS. RALPH A. KEMP, Indianapolis, Ind.
Filed May 31, 1940. Serial No. 432,540. PUBLISHED DECEMBER 31, 1940. Class 38.

385,775. SOUND RECORDS AND BLANKS THEREFOR MADE OF MATERIAL SUSCEPTIBLE TO SOUND TRACK CUTTING OR IMPRESSING. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed June 22, 1940. Serial No. 433,295. PUBLISHED JANUARY 7, 1941. Class 36.

385,776. MOTOR LUBRICATING OIL. RADBILL OIL COMPANY, doing business as Thrift O Lene Oil Company, Philadelphia, Pa.
Filed June 29, 1940. Serial No. 433,547. PUBLISHED DECEMBER 24, 1940. Class 15.

385,777. HAM, BACON, SAUSAGE, BEEF, BOLOGNA STYLE SAUSAGE, PICNIC SHOULDERS, COTTAGE ROLL, AND MEAT LOAF. J. SHAPIRO & SONS, Augusta, Ga.
Filed July 2, 1940. Serial No. 433,633. PUBLISHED JANUARY 7, 1941. Class 46.

385,778. GREETING CARDS. JACOB SAPIRSTEIN, Cleveland, Ohio.
Filed July 8, 1940. Serial No. 433,760. PUBLISHED DECEMBER 24, 1940. Class 38.

385,779. PAMPHLETS COMPRISING A COURSE OF EXERCISES AND BEAUTY TREATMENT. RICHARD HUDNUT, New York, N. Y.
Filed July 10, 1940. Serial No. 433,824. PUBLISHED DECEMBER 24, 1940. Class 38.

385,780. PRINTED MATTER—NAMELY, TRADING STAMPS AND TRADING STAMP FOLDERS. HARRY S. BURGER, Los Angeles, Calif.
Filed July 29, 1940. Serial No. 434,433. PUBLISHED DECEMBER 31, 1940. Class 38.

385,781. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y.
Filed July 29, 1940. Serial No. 434,463. PUBLISHED JANUARY 7, 1941. Class 46.

385,782. SECTION OF A DAILY AND SUNDAY NEWSPAPER. THE NEWSPAPER PM, INC., Brooklyn, N. Y., assignor to Marfield, Inc., New York, N. Y.
Filed August 2, 1940. Serial No. 434,610. PUBLISHED DECEMBER 24, 1940. Class 38.

385,783. NEWSPAPER COLUMN. TRIBUNE COMPANY, Chicago, Ill.
Filed August 2, 1940. Serial No. 434,615. PUBLISHED JANUARY 7, 1941. Class 38.

385,784. KEY CASES. AMITY LEATHER PRODUCTS CO., West Bend, Wis.
Filed August 3, 1940. Serial No. 434,621. PUBLISHED JANUARY 7, 1941. Class 3.

385,785. TABLE SYRUP AND PEANUT BUTTER. W. B. RODDENBERY CO., Cairo, Ga.
Filed August 3, 1940. Serial No. 434,669. PUBLISHED JANUARY 7, 1941. Class 46.

385,786. MALTLESS, CARBONATED BEVERAGES COMMONLY KNOWN AS SOFT DRINKS. SUPREME BEVERAGE CO., Chicago, Ill.
Filed August 3, 1940. Serial No. 434,678. PUBLISHED JANUARY 7, 1941. Class 45.

385,787. JEWELRY, NOT INCLUDING WATCHES, AND FASTENERS FOR ATTACHMENT TO JEWELRY, MADE OF PRECIOUS METAL. CLAIRE BAXTER MARCUS, New York, N. Y., assignor to Tabby, Ltd., New York, N. Y., a corporation of New York.
Filed August 8, 1940. Serial No. 434,801. PUBLISHED DECEMBER 31, 1940. Class 28.

385,788. NON-HYDRAULIC REFRACTORY BONDING MATERIALS. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed August 9, 1940. Serial No. 434,830. PUBLISHED NOVEMBER 5, 1940. Class 12.

385,789. PENETRATING FINISH IN THE NATURE OF A VARNISH OR STAIN FOR INTERIOR WOOD SURFACES. FRANK BOWNES COMPANY, Chelsea, Mass.
Filed August 10, 1940. Serial No. 434,865. PUBLISHED OCTOBER 22, 1940. Class 16.

385,790. CANDY. SCHUTTER CANDY COMPANY, Chicago, Ill.
Filed August 10, 1940. Serial No. 434,886. PUBLISHED JANUARY 7, 1941. Class 46.

385,791. ASPHALTIC COMPOSITION CONTAINING RUBBER, USED AS A SEALING COMPOUND FOR EXPANSION AND CONTRACTION JOINTS IN ROADS AND OTHER CONCRETE STRUCTURES, SUCH AS SWIMMING POOLS, RESERVOIRS, AND STADIA. RUBBER ASSOCIATES, INC., New York, N. Y.
Filed August 13, 1940. Serial No. 434,949. PUBLISHED JANUARY 7, 1941. Class 12.

385,792. PERIODICAL. OUTDOOR PUBLISHING CORPORATION, Mays Landing, N. J.
Filed August 14, 1940. Serial No. 434,995. PUBLISHED DECEMBER 31, 1940. Class 38.

385,793. WATCH BRACELETS, WATCH STRAPS, WATCH ATTACHMENTS—SPECIFICALLY, SUCH ARTICLES AS WATCH CHAINS, WRIST WATCH BRACELETS, WATCH FOBS, AND WATCH LAPEL CHAINS, ETC. GEMEX COMPANY, Newark, N. J.
Filed August 16, 1940. Serial No. 435,055. PUBLISHED NOVEMBER 26, 1940. Class 28.

385,794. LIGHT TRANSMITTING AND DIFFUSING ELECTRIC LAMP HOUSINGS, MANTLES, AND SHADES, AND LIGHT TRANSMITTING AND DIFFUSING PANELS FOR USE SEPARATELY OR AS PART OF SAID HOUSINGS, MANTLES, AND SHADES, SAID HOUSINGS, MANTLES, SHADES, AND PANELS EMBODYING GLASS FIBRES. LIGHT CONDITIONING COMPANY OF AMERICA, INC., New York, N. Y.
Filed August 16, 1940. Serial No. 435,059. PUBLISHED JANUARY 7, 1941. Class 34.

385,795. REFINED SUGAR. SUCREST CORPORATION, New York, N. Y.
Filed August 21, 1940. Serial No. 435,222. PUBLISHED JANUARY 7, 1941. Class 46.

385,796. WOOL; WOOL AND MOHAIR; ALPACA, MOHAIR, AND WOOL; AND WOOL, MOHAIR, AND CAMELS' HAIR TEXTILE FABRICS IN THE PIECE. BUCKLEY & COHEN, INCORPORATED, New York, N. Y.
Filed August 24, 1940. Serial No. 435,349. PUBLISHED JANUARY 7, 1941. Class 42.

385,797. MAGAZINES AND PERIODICALS. MARINE STUDIOS, INC., St. Augustine, Fla.
Filed August 26, 1940. Serial No. 435,394. PUBLISHED DECEMBER 24, 1940. Class 38.

385,798. LOUNGING ROBES, BEACH ROBES, AND BATHROBES. RICE STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed August 28, 1940. Serial No. 435,474. PUBLISHED JANUARY 7, 1941. Class 39.

385,799. SEWING THREAD FOR HEAVY WORK. TEXTILE THREAD COMPANY, Watertown, Mass.
Filed August 28, 1940. Serial No. 435,484. PUBLISHED DECEMBER 31, 1940. Class 43.

385,800. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed September 3, 1940. Serial No. 435,620. PUBLISHED JANUARY 7, 1941. Class 39.

385,801. PRINTED BOOKS. KELLAWAY-IDE COMPANY, Los Angeles, Calif.
Filed September 3, 1940. Serial No. 435,621. PUBLISHED DECEMBER 24, 1940. Class 38.

385,802. CANNED FRUITS AND CANNED VEGETABLES, CANNED VEGETABLE JUICES, AND CANNED FRUIT JUICES USED FOR FOOD PURPOSES. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif.
Filed September 3, 1940. Serial No. 435,633. PUBLISHED JANUARY 7, 1941. Class 46.

385,803. SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. THE GREEN SHOE MANUFACTURING CO., Boston, Mass.
Filed September 5, 1940. Serial No. 435,681. PUBLISHED JANUARY 7, 1941. Class 39.

385,804. ABRASIVE STONE. THE CLEVELAND QUARRIES COMPANY, Cleveland, Ohio.
Filed September 9, 1940. Serial No. 435,783. PUBLISHED JANUARY 7, 1941. Class 4.

385,805. CANNED VEGETABLES. J. S. CONTAS BROS., INC., Boston, Mass.
Filed September 9, 1940. Serial No. 435,787. PUBLISHED JANUARY 7, 1941. Class 46.

385,806. PEARLS AND SEMIPRECIOUS STONES. SOL E. WEINREICH, doing business as Weinreich Brothers Co., New York, N. Y.
Filed September 9, 1940. Serial No. 435,821. PUBLISHED DECEMBER 24, 1940. Class 28.

385,807. LUMBER. CENTRAL HARDWARE CO., St. Louis, Mo.
Filed September 11, 1940. Serial No. 435,864. PUBLISHED DECEMBER 31, 1940. Class 12.

385,808. PAPER, PART OF WHICH IS COATED WITH A TRANSFER MEDIUM ON ONE SIDE, TO BE USED IN DUPLICATING PROCESSES. DITTO, INCORPORATED, Chicago, Ill.
Filed September 12, 1940. Serial No. 435,897. PUBLISHED JANUARY 7, 1941. Class 37.

385,809. BICYCLES. THE RECIPROCAL TRADE CORPORATION, New York, N. Y.
Filed September 13, 1940. Serial No. 435,953. PUBLISHED JANUARY 7, 1941. Class 19.

385,810. JEWELLED CLIPS, PINS, BRACELETS, AND BUCKLES ALL MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME. STAR NOVELTY JEWELRY CO., INC., Chicago, Ill.
Filed September 16, 1940. Serial No. 436,040. PUBLISHED DECEMBER 10, 1940. Class 28.

385,811. SHEET RUBBER FLOORING AND SHEET RUBBER WALL COVERING. PURITAN RUBBER MANUFACTURING COMPANY, Trenton, N. J.
Filed September 17, 1940. Serial No. 436,063. PUBLISHED JANUARY 7, 1941. Class 12.

385,812. GASOLINE, MOTOR OILS, LUBRICATING OILS AND GREASES, KEROSENE, FUEL OILS, DIESEL OIL, AND STOVE OIL. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed September 18, 1940. Serial No. 436,100. PUBLISHED DECEMBER 31, 1940. Class 15.

385,813. YARN. HARRY C. WOLFENDEN, doing business as R. Wolfenden & Sons, Attleboro, Mass.
Filed September 18, 1940. Serial No. 436,107. PUBLISHED DECEMBER 17, 1940. Class 43.

385,814. PERIODICAL PUBLICATION. HARVEY S. LINGLE, doing business as The Columnist Publishing Company, Lancaster, Pa.
Filed September 19, 1940. Serial No. 436,130. PUBLISHED DECEMBER 31, 1940. Class 38.

385,815. SPAGHETTI SAUCE. JOSEPH STORNIOLO, Philadelphia, Pa.
Filed September 19, 1940. Serial No. 436,140. PUBLISHED JANUARY 7, 1941. Class 46.

385,816. BAKERY PRODUCTS—NAMELY, CAKES, HERMITS, CRULLERS, DOUGHNUTS, PIES, BREAD, MUFFINS, ROLLS, AND SWEET DOUGH BREAD AND ROLLS. FRIEND BROTHERS INC., Melrose, Mass.
Filed September 20, 1940. Serial No. 436,172. PUBLISHED JANUARY 7, 1941. Class 46.

385,817. UTILITY HAND CART. LINCOLN ENGINEERING COMPANY, St. Louis, Mo.
Filed September 21, 1940. Serial No. 436,220. PUBLISHED JANUARY 7, 1941. Class 19.

385,818. PERIODICAL PUBLICATION ILLUSTRATING AND DESCRIBING USES AND ADVANTAGES OF REDWOOD LUMBER AND PRODUCTS IN HOME CONSTRUCTION. HOLMES EUREKA LUMBER COMPANY, Eureka and San Francisco, Calif.
Filed September 23, 1940. Serial No. 436,267. PUBLISHED DECEMBER 24, 1940. Class 38.

385,819. SASHES CONTAINING WEATHER STRIPPING, WEATHER STRIPPING, PULLEY STYLES AND CLOSE-IN BARS FOR MAINTAINING WEATHER STRIPPING IN PLACE. THE TURLIN COMPANY, Inglewood, Calif.
Filed September 23, 1940. Serial No. 436,291. PUBLISHED DECEMBER 24, 1940. Class 12.

385,820. NECKLACES MADE OF OR TRIMMED WITH BEADS, EARRINGS MADE OF OR TRIMMED WITH BEADS, BROOCHES MADE OF OR TRIMMED WITH BEADS, ETC. COLONIAL BEAD CO. INC., New York, N. Y.
Filed September 24, 1940. Serial No. 436,297. PUBLISHED DECEMBER 31, 1940. Class 28.

385,821. NECKLACES MADE OF OR TRIMMED WITH BEADS, EARRINGS MADE OF OR TRIMMED WITH BEADS, BROOCHES MADE OF OR TRIMMED WITH BEADS, ETC. COLONIAL BEAD CO., INC., New York, N. Y.
Filed September 24, 1940. Serial No. 436,298. PUBLISHED DECEMBER 31, 1940. Class 28.

385,822. BREAD AND BASIC PREMIXED INGREDIENTS USED IN THE PRODUCTION OF BREAD. THE BUTTERO CO., INC., Pampa, Tex., and Kansas City, Mo.
Filed September 25, 1940. Serial No. 436,335. PUBLISHED JANUARY 7, 1941. Class 46.

385,823. ELECTRICALLY HEATED SOLVENT VAPORIZING APPARATUSES FOR DEGREASING AND CLEANING AUTOMOBILE PARTS AND MACHINERY PARTS. CIRCO PRODUCTS COMPANY, Cleveland, Ohio.
Filed September 27, 1940. Serial No. 436,421. PUBLISHED JANUARY 7, 1941. Class 21.

385,824. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. COHN & ROSENBERGER, INC., New York, N. Y.
Filed September 30, 1940. Serial No. 436,499. PUBLISHED DECEMBER 31, 1940. Class 28.

385,825. LIQUID COATING COMPOSITION COMPRISING A SYNTHETIC RESIN IN A WATER VEHICLE FOR APPLICATION FOR DRYING TO FORM A TRANSPARENT WASHABLE FILM ON PAINTED AND OTHER FINISHED WALLS AND LIKE SURFACES. HIGLEY CHEMICAL COMPANY, Dubuque, Iowa.
Filed September 30, 1940. Serial No. 436,513. PUBLISHED JANUARY 7, 1941. Class 16.

385,826. THREAD. BENJAMIN RASHKOFF, doing business as B. Rashkoff, New York, N. Y.
Filed September 30, 1940. Serial No. 436,524. PUBLISHED DECEMBER 24, 1940. Class 43.

385,827. COTTON AND WOOL YARNS USED IN KNITTING, CROCHETING, AND EMBROIDERING. SAMUEL F. FREEMAN, doing business as Pickwick Yarns, Stamford, Conn.
Filed October 2, 1940. Serial No. 436,568. PUBLISHED DECEMBER 17, 1940. Class 43.

385,828. DRESSED FUR SKINS. J. JOSEPH, INC., New York, N. Y.
Filed October 2, 1940. Serial No. 436,571. PUBLISHED JANUARY 7, 1941. Class 1.

385,829. WHISKEY. LONDON & COMPANY, INC., Elizabeth, N. J.
Filed October 4, 1940. Serial No. 436,654. PUBLISHED DECEMBER 3, 1940. Class 49.

385,830. MEN'S AND BOYS' WEARING APPAREL—NAMELY, SUITS, OVERCOATS, WINDBREAKERS, MACKINAWS, SWEATERS, ETC. THE INTERNATIONAL TAILORING COMPANY OF N. Y., New York, N. Y.
Filed October 5, 1940. Serial No. 436,670. PUBLISHED JANUARY 7, 1941. Class 39.

385,831. FACTORY-FITTED WINDOW UNITS, EITHER SET UP OR KNOCKED DOWN, INCLUDING FRAMES, WINDOWS, STORM SASHES, AND SCREENS, ALSO EITHER IN SET-UP OR KNOCKED DOWN CONDITION. ROACH & MUSSER CO., Muscatine, Iowa.
Filed October 5, 1940. Serial No. 436,679. PUBLISHED JANUARY 7, 1941. Class 12.

385,832. POSTERS WITH ILLUSTRATED MESSAGES OF A PATRIOTIC NATURE. KELLY READ & CO., INC., Rochester, N. Y.
Filed October 7, 1940. Serial No. 436,694. PUBLISHED JANUARY 7, 1941. Class 38.

385,833. FUR SKINS IN THE PIECE. KOFSKY BROS., INC., New York, N. Y.
Filed October 8, 1940. Serial No. 436,728. PUBLISHED JANUARY 7, 1941. Class 1.

385,834. TRANSPARENT ADHESIVE TAPES. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J.
Filed October 10, 1940. Serial No. 436,808. PUBLISHED JANUARY 7, 1941. Class 5.

385,835. FOUNDRY EQUIPMENT—NAMELY, SKIMMERS, LADLES, FLASKS, JACKETS, CLAMPS, HAMMERS, AND RIDDLES. CHICAGO MANUFACTURING AND DISTRIBUTING COMPANY, Chicago, Ill.
Filed October 11, 1940. Serial No. 436,835. PUBLISHED JANUARY 7, 1941. Class 23.

385,836. CURTAINS AND DRAPERIES. FALL RIVER CURTAIN CO., INC., Fall River, Mass., and New York, N. Y.
Filed October 11, 1940. Serial No. 436,841. PUBLISHED JANUARY 7, 1941. Class 42.

385,837. PERIODICAL PUBLICATION. MISSISSIPPI STATE HOSPITAL ASSOCIATION, INC., Vicksburg, Miss.
Filed October 11, 1940. Serial No. 436,853. PUBLISHED DECEMBER 31, 1940. Class 38.

385,838. BREAD. HELMS BAKERIES, Los Angeles, Calif.
Filed October 12, 1940. Serial No. 436,891. PUBLISHED JANUARY 7, 1941. Class 46.

385,839. GIRDLES. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed October 12, 1940. Serial No. 436,914. PUBLISHED JANUARY 7, 1941. Class 39.

385,840. WALNUTS. UNITED WALNUT GROWERS OF CALIFORNIA, Santa Ana, Calif.
Filed October 14, 1940. Serial No. 436,951. PUBLISHED JANUARY 7, 1941. Class 46.

385,841. ELECTRICAL MEASURING INSTRUMENTS—NAMELY, VOLTMETERS, AMMETERS, UNIVERSAL VOLT-AMMETERS. ARTHUR R. DOERING, Chicago, Ill.
Filed October 15, 1940. Serial No. 436,962. PUBLISHED JANUARY 7, 1941. Class 26.

385,842. SILVERPLATED FLATWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.
Filed October 15, 1940. Serial No. 436,977. PUBLISHED DECEMBER 24, 1940. Class 28.

385,843. MACHINES FOR APPLYING PRICE MARKING INDICIA TO MERCHANDISE. THE MONARCH MARKING SYSTEM COMPANY, Dayton, Ohio.
Filed October 16, 1940. Serial No. 437,005. PUBLISHED JANUARY 7, 1941. Class 23.

385,844. MACHINES FOR APPLYING PRICE MARKING INDICIA TO MERCHANDISE. THE MONARCH MARKING SYSTEM COMPANY, Dayton, Ohio.
Filed October 16, 1940. Serial No. 437,006. PUBLISHED JANUARY 7, 1941. Class 23.

385,845. MACHINES FOR APPLYING PRICE MARKING INDICIA TO MERCHANDISE. THE MONARCH MARKING SYSTEM COMPANY, Dayton, Ohio.
Filed October 16, 1940. Serial No. 437,007. PUBLISHED JANUARY 7, 1941. Class 23.

385,846. YARNS. FLEISHER YARNS, INC., New York, N. Y.
Filed October 17, 1940. Serial No. 437,031. PUBLISHED DECEMBER 31, 1940. Class 43.

385,847. PERIODICAL. KALMBACH PUBLISHING CO., Milwaukee, Wis.
Filed October 18, 1940. Serial No. 437,068. PUBLISHED JANUARY 7, 1941. Class 38.

385,848. PERIODICAL PUBLICATION. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed October 18, 1940. Serial No. 437,072. PUBLISHED JANUARY 7, 1941. Class 38.

385,849. NONALCOHOLIC, MALTLESS TOMATO AND GREEN CHILI JUICE BEVERAGE SOLD AS A SOFT DRINK. E. C. ORTEGA CO., Los Angeles, Calif.
Filed October 19, 1940. Serial No. 437,102. PUBLISHED JANUARY 7, 1941. Class 45.

385,850. STERLING-SILVER FLATWARE. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed October 19, 1940. Serial No. 437,103. PUBLISHED JANUARY 7, 1941. Class 28.

385,851. FABRICS HAVING DESIGNS THEREON STAMPED FOR EMBROIDERY OR ART NEEDLEWORK. SAMUEL ROSENHOUSE, doing business as Betsy Ross Needlework Co., New York, N. Y.
Filed October 19, 1940. Serial No. 437,110. PUBLISHED JANUARY 7, 1941. Class 40.

385,852. SMOKING TOBACCO. LARUS & BROTHER COMPANY, Richmond, Va.
Filed October 22, 1940. Serial No. 437,175. PUBLISHED JANUARY 7, 1941. Class 17.

385,853. SMOKING TOBACCO. STEPHANO BROTHERS, Philadelphia, Pa.
Filed October 22, 1940. Serial No. 437,182. PUBLISHED JANUARY 7, 1941. Class 17.

385,854. SMOKING TOBACCO. STEPHANO BROTHERS, Philadelphia, Pa.
Filed October 22, 1940. Serial No. 437,183. PUBLISHED JANUARY 7, 1941. Class 17.

385,855. WINES. LINCOLN WINE COMPANY, Baltimore, Md.
Filed October 23, 1940. Serial No. 437,206. PUBLISHED JANUARY 7, 1941. Class 47.

385,856. TABLE GLASSWARE. CORNING GLASS WORKS, Corning, N. Y.
Filed October 24, 1940. Serial No. 437,240. PUBLISHED JANUARY 7, 1941. Class 33.

385,857. WHISKEY. THE FLEISCHMANN DISTILLING CORPORATION, New York, N. Y.
Filed October 25, 1940. Serial No. 437,277. PUBLISHED DECEMBER 31, 1940. Class 49.

385,858. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE SOLD AS SOFT DRINK, AND SYRUPS FOR MAKING SAME. TINT BEVERAGES, INCORPORATED, Richmond, Va.
Filed October 25, 1940. Serial No. 437,291. PUBLISHED DECEMBER 31, 1940. Class 45.

385,859. WEEKLY MAGAZINE. WEEKLY PUBLICATIONS, INC., New York, N. Y.
Filed October 26, 1940. Serial No. 437,328. PUBLISHED DECEMBER 31, 1940. Class 38.

385,860. CONSTRUCTION LIME. G. & W. H. CORSON, INC., Plymouth Meeting, Pa.
Filed October 28, 1940. Serial No. 437,336. PUBLISHED JANUARY 7, 1941. Class 12.

385,861. OILBURNING TANKS AND KETTLES FOR MELTING BITUMINOUS PRODUCTS AND THE LIKE. AEROIL BURNER COMPANY, INC., West New York, N. J.
Filed October 29, 1940. Serial No. 437,350. PUBLISHED JANUARY 7, 1941. Class 34.

385,862. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, SIRUP, AND EXTRACT FOR MAKING THE SAME. C. E. TREES & CO., INC., Indianapolis, Ind.
Filed October 30, 1940. Serial No. 437,423. PUBLISHED DECEMBER 31, 1940. Class 45.

385,863. FLOOR POLISHING WAX COMPOUND. CANDY & COMPANY, INC., Chicago, Ill.
Filed October 31, 1940. Serial No. 437,433. PUBLISHED JANUARY 7, 1941. Class 16.

385,864. CLEANSING PREPARATION FOR REMOVING DOG AND CAT STAINS AND ODORS FROM CARPETS, RUGS AND TEXTILES. SKOUR-NU, INC., New York, N. Y.
Filed October 31, 1940. Serial No. 437,456. PUBLISHED JANUARY 7, 1941. Class 4.

385,865. AEROPLANE AND AUTOMOBILE ACCESSORIES, SPECIFICALLY SHOCK ABSORBERS AND BRAKES. RAYMOND E. DOWD, doing business as Trumatic Devices, Chicago, Ill.
Filed November 1, 1940. Serial No. 437,467. PUBLISHED JANUARY 7, 1941. Class 19.

385,866. PREPARATION FOR CLEANING AND RENEWING LEATHER AND LEATHER GOODS. HECKER PRODUCTS CORPORATION, New York, N. Y.
Filed November 1, 1940. Serial No. 437,471. PUBLISHED JANUARY 7, 1941. Class 4.

385,867. SPRING UNITS OR ASSEMBLIES SUCH AS ARE USED IN INNERSPRING MATTRESSES, SEAT CUSHIONS, AND UPHOLSTERED FURNITURE. LISSON-MELEN CO., Lynn, Mass.
Filed November 1, 1940. Serial No. 437,474. PUBLISHED JANUARY 7, 1941. Class 32.

385,868. LIQUID CLEANING PREPARATION FOR CLEANING SURFACES SUCH AS FLOORS, LINOLEUM, LEATHER, PAINTED SURFACES, AND GLASS. LISLE C. VAN NEST, doing business as National Laboratories, Toledo, Ohio.
Filed November 2, 1940. Serial No. 437,540. PUBLISHED JANUARY 7, 1941. Class 4.

385,869. TABLETS FOR MAKING SOUP. PAUL C. BRAGG, doing business as Live Food Products Co., Burbank, Calif.
Filed November 4, 1940. Serial No. 437,550. PUBLISHED JANUARY 7, 1941. Class 46.

385,870. CHOCOLATE FLAVORED MIXTURE CONTAINING THE COMPLETE DAILY RATION OF VITAMINS A, B, C, D, G, (B_2), B_4 (NICOTINIC ACID), IRON, AND OTHER INGREDIENTS FOR MAKING FOOD DRINKS. PAUL C. BRAGG, doing business as Live Food Products Co., Burbank, Calif.
Filed November 4, 1940. Serial No. 437,551. PUBLISHED JANUARY 7, 1941. Class 46.

385,871. WINES. WALTER J. MULLIGAN, doing business as California Vineyards Co., San Francisco, Calif.
Filed November 4, 1940. Serial No. 437,570. PUBLISHED JANUARY 7, 1941. Class 47.

385,872. OPTICAL FRAMES, SPECTACLES, OPTICAL LENSES, SUN GLASSES, GOGGLES, AND PARTS THEREOF. MARINE OPTICAL MFG. CO., Boston, Mass.
Filed November 5, 1940. Serial No. 437,597. PUBLISHED JANUARY 7, 1941. Class 26.

385,873. OIL WELL CEMENT. UNIVERSAL ATLAS CEMENT COMPANY, New York, N. Y.
Filed November 5, 1940. Serial No. 437,606. PUBLISHED DECEMBER 31, 1940. Class 12.

385,874. SILVER-PLATED FLAT-WARE FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed November 6, 1940. Serial No. 437,623. PUBLISHED DECEMBER 24, 1940. Class 28.

385,875. COTTON PILE FABRICS. MERRIMACK MANUFACTURING COMPANY, Lowell, Mass.
Filed November 6, 1940. Serial No. 437,627. PUBLISHED JANUARY 7, 1941. Class 42.

385,876. PIECE GOODS OF COTTON, RAYON, AND MIXTURES THEREOF. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y.
Filed November 6, 1940. Serial No. 437,630. PUBLISHED JANUARY 7, 1941. Class 42.

385,877. PIECE GOODS OF COTTON, RAYON, AND MIXTURES THEREOF SO TREATED AS TO PREVENT SHRINKAGE AND CREASING. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y.
Filed November 6, 1940. Serial No. 437,631. PUBLISHED JANUARY 7, 1941. Class 42.

385,878. PIECE GOODS OF COTTON, RAYON, AND MIXTURES THEREOF SO TREATED AS TO PREVENT SHRINKAGE AND CREASING. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y.
Filed November 6, 1940. Serial No. 437,632. PUBLISHED JANUARY 7, 1941. Class 42.

385,879. COVERED RUBBER THREAD. UNITED ELASTIC CORPORATION, Easthampton, Mass.
Filed November 8, 1940. Serial No. 437,704. PUBLISHED JANUARY 7, 1941. Class 43.

385,880. SOAPS. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn.
Filed November 8, 1940. Serial No. 437,708. PUBLISHED JANUARY 7, 1941. Class 4.

385,881. FLUID PRESSURE BRAKE CHAMBERS AND PARTS THEREOF. BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE COMPANY, Pittsburgh, Pa.
Filed November 9, 1940. Serial No. 437,710. PUBLISHED JANUARY 7, 1941. Class 19.

385,882. YARNS. EMILE BERNAT & SONS COMPANY, Jamaica Plain, Mass.
Filed November 9, 1940. Serial No. 437,712. PUBLISHED JANUARY 7, 1941. Class 43.

385,883. BASE METAL CHAIN. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y.
Filed November 14, 1940. Serial No. 437,853. PUBLISHED JANUARY 7, 1941. Class 13.

385,884. CARVING SETS AND KNIVES. CATTARAUGUS CUTLERY COMPANY, Little Valley, N. Y.
Filed November 22, 1940. Serial No. 438,117. PUBLISHED JANUARY 7, 1941. Class 23.

385,885. DETERGENT PREPARATION FOR USE AS A SKIN CLEANSER. WESTWOOD PHARMACAL CORPORATION, Buffalo, N. Y.
Filed November 22, 1940. Serial No. 438,166. PUBLISHED JANUARY 7, 1941. Class 4.

385,886. ELECTRIC REFRIGERATORS. LIBERTY ELECTRIC SUPPLY COMPANY, Liberty, N. Y.
Filed November 27, 1940. Serial No. 438,273. PUBLISHED JANUARY 7, 1941. Class 31.

385,887. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.
Filed November 27, 1940. Serial No. 438,289. PUBLISHED JANUARY 7, 1941. Class 22.

385,888. AUTOMOBILE TIRES AND TUBES. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed November 29, 1940. Serial No. 438,332. PUBLISHED JANUARY 7, 1941. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

385,889. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STOWE-WOODWARD, INC., Newton Upper Falls, Mass. Filed Jan. 6, 1939. Serial No. 414,581.

PRES-SURE

FOR MARKING BANDS FOR PAPER MACHINES, BEING THE BAND OR BELT WHICH FORMS A WATER MARK IN THE PAPER.
Claims use since June 15, 1936.

385,890. (CLASS 31. FILTERS AND REFRIGERATORS.) C. V. HILL & CO. INC., Trenton, N. J. Filed Sept. 21, 1939. Serial No. 423,812.

Frigid Fresh

FOR REFRIGERATED CASES AND STANDS FOR THE DISPLAY OF FRUITS AND VEGETABLES.
Claims use since August, 1939.

385,891. (CLASS 37. PAPER AND STATIONERY.) ANDERSON BOX COMPANY, Indianapolis, Ind. Filed Dec. 9, 1939. Serial No. 426,509.

TRI-LOK

FOR SPACERS MADE OF CARDBOARD.
Claims use since Nov. 1, 1937.

385,892. (CLASS 37. PAPER AND STATIONERY.) SCOTT PAPER COMPANY, Chester, Pa. Filed Dec. 29, 1939. Serial No. 426,991.

Soft-Tuff

FOR PAPER TOWELS.
Claims use since Dec. 27, 1939.

385,893. (CLASS 27. HOROLOGICAL INSTRUMENTS.) NIVADA WATCH CORPORATION, New York, N. Y. Filed Jan. 16, 1940. Serial No. 427,516.

Lamont

FOR WATCHES.
Claims use since Jan. 10, 1940.

385,894. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SCHWITZER-CUMMINS COMPANY, Indianapolis, Ind. Filed Jan. 18, 1940. Serial No. 427,598.

AQUA TITE

FOR WATER PUMP SEALS.
Claims use since Jan. 2, 1940.

385,895. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BROADWAY TIRE COMPANY, New York, N. Y. Filed Feb. 3, 1940. Serial No. 428,184.

Carnegie

FOR AUTOMOBILE TIRE CASINGS AND INNER TUBES THEREFOR, CONSTRUCTED WHOLLY OR PARTLY OF RUBBER.
Claims use since Dec. 15, 1939.

385,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif. Filed Feb. 6, 1940. Serial No. 428,289.



FOR GREEN OLIVES.
Claims use since Jan. 26, 1940.

385,897. (CLASS 43. THREAD AND YARN.) COLLINGBOURNE MILLS, INC., Elgin, Ill. Filed Feb. 12, 1940. Serial No. 428,462.

Bootsoxmend

FOR DARNING COTTON AND MENDING THREAD MADE OF COTTON.
Claims use since Dec. 18, 1939.

385,898. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BROADWAY TIRE COMPANY, New York, N. Y. Filed Mar. 25, 1940. Serial No. 429,931.

WILSON

FOR AUTOMOBILE TIRE CASINGS AND INNER TUBES THEREFOR, CONSTRUCTED WHOLLY OR PARTLY OF RUBBER.
Claims use since Feb. 1, 1940.

385,899. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ILLINOIS BAKING CORPORATION, Chicago, Ill. Filed Mar. 29, 1940. Serial No. 430,165.

SAFE-T
COVER
Cones

FOR ICE CREAM CONES.
Claims use since Jan. 18, 1940.

385,900. (Class 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) QUAKER STRETCHER COMPANY, Kenosha, Wis. Filed Mar. 30, 1940. Serial No. 430,195.

BALL POINT

FOR CURTAIN STRETCHERS.
Claims use since Jan. 1, 1940.

385,901. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ADVANCE ALUMINUM AND BRASS COMPANY, Los Angeles, Calif. Filed Apr. 23, 1940. Serial No. 431,102.

Trumark

FOR PIPE ANGLE GAUGES FOR SCRIBING AND MARKING CONTOURS OF INTERSECTING PIPES IN PREPARATION FOR CUTTING OR WELDING AND OTHER MECHANICAL ELEMENTS WHOSE INTERSECTIONS ARE USUALLY DIFFICULT TO OUTLINE.
Claims use since Feb. 15, 1939.

385,902. (CLASS 13. HARDWARE AND PLUMBING AND STEAM FITTING SUPPLIES.) IDEAL FASTENER CORPORATION, New York, N. Y. Filed Apr. 26, 1940. Serial No. 431,250.

FEATHERLITE

FOR SLIDE FASTENERS.
Claims use since Jan. 29, 1940.

385,903. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) QUAKER STRETCHER COMPANY,

"Ruler-Straight"

Kenosha, Wis. Filed July 24, 1940. Serial No. 434,290.
FOR CURTAIN STRETCHERS.
Claims use since Jan. 1, 1940.

385,904. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y. Filed Nov. 19, 1940. Serial No. 438,046.

HARDCOTE

FOR FINISHES—NAMELY, CLEAR VARNISH AND ALL COLORS OF ENAMEL MADE FROM THAT VARNISH, USED AS A PROTECTIVE OR BEAUTIFYING COAT FOR ALL INTERIOR AND EXTERIOR SURFACES USUALLY ENAMELED.
Claims use since 1920.

385,905. (CLASS 37. PAPER AND STATIONERY.) TAUBER'S BOOKBINDERY, INC., New York, N. Y. Filed Nov. 20, 1940. Serial No. 438,099.



FOR LOOSE-LEAF BINDERS.
Claims use since Jan. 20, 1938.

385,906. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) METALLIZING COMPANY OF AMERICA, INC., Chicago, Ill. Filed Dec. 9, 1940. Serial No. 438,661.

TUFTON

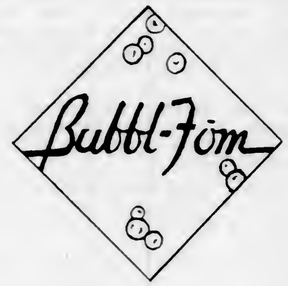
FOR FERROUS AND NONFERROUS METAL RODS AND WIRE FOR METAL SPRAYING.
Claims use since August, 1937.

385,907. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MASTER RULE MFG. CO. INC., New York, N. Y. Filed Jan. 9, 1941. Serial No. 439,519.

Brite
Blade

FOR RULES, FOLDING RULES, AND EXTENSION RULES.
Claims use since July, 1939.

385,908. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) BUBBL-FOM DISTRIBUTORS, Los Angeles, Calif. Filed Dec. 23, 1940. Serial No. 439,143.



FOR PERFUMED ESSENCE USED IN THE BATH.
Claims use since Nov. 15, 1939.

385,909. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed Dec. 12, 1940. Serial No. 438,768.

NOSKID

FOR READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS.
Claims use since Feb. 6, 1939.

385,910. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GUERIN MILLS INC., Woonsocket, R. I. Filed Dec. 11, 1940. Serial No. 438,732.

MONTROSE

FOR WORSTED PIECE GOODS.
Claims use since 1925.

TRADE-MARK REGISTRATIONS RENEWED

19,185. **REPRESENTATION OF A FOUR LEAF CLOVER.** VARNISHES, JAPANS, OIL FINISH AND BRONZING LIQUID. Registered March 17, 1891. MAYER & LOWENSTEIN, New York, N. Y. Re-renewed March 17, 1941, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y., a corporation of New York, successor.

19,321. **NATIONAL LIGHT.** ILLUMINATING OIL. Registered April 14, 1891. THE NATIONAL REFINING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 14, 1941.

19,323. **RED SEAL.** LUBRICATING OIL. Registered April 14, 1891. THE NATIONAL REFINING COMPANY, Cleveland, Ohio, a corporation of Ohio. Re-renewed April 14, 1941.

19,324. **WHITE ROSE.** STOVE GASOLINE. Registered April 14, 1891. THE NATIONAL REFINING COMPANY, Cleveland, Ohio, a corporation of Ohio. Re-renewed April 14, 1941.

19,975. **REPRESENTATION OF A DOUBLE-FACED HUMAN HEAD.** A REMEDY FOR NERVOUS DISEASES. Registered August 4, 1891. THE DR. MILES MEDICAL COMPANY. Re-renewed August 4, 1941, to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana, by changes of name.

137,946. **BESCO.** PAPER NAPKINS, PAPER DOILIES, CAKE-LACES, AND PAPER CIRCLES. Registered December 14, 1920. BESSIRE & COMPANY, Indianapolis, Ind., and Louisville, Ky. Renewed December 14, 1940, to Bessire & Company, Inc., Indianapolis, Ind., Louisville, Ky., Columbus, Ohio, Atlanta, Ga., Memphis, Tenn., and Richmond, Va., a corporation of Indiana.

139,306. **ANTELOPE.** HOSE MADE OF RUBBER REINFORCED WITH FABRIC. Registered February 1, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed February 1, 1941.

139,307. **DIRUBCO.** HOSE AND BELTING MADE OF RUBBER REINFORCED WITH FABRIC. Registered February 1, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed February 1, 1941.

139,308. **ELK.** CERTAIN NAMED HOSE AND PUMP-VALVES. Registered February 1, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed February 1, 1941.

139,309. **LYNX.** BELTS MADE OF FABRIC COMBINED WITH RUBBER. Registered February 1, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed February 1, 1941.

139,530. **NI-LATE.** INSECTICIDES. Registered February 8, 1921. EMORY S. MORRIS, Atlanta, Ga. Renewed February 8, 1941.

139,568. **BLACK RAT.** LEAF-TOBACCO. Registered February 8, 1921. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 8, 1941.

139,671. **REPRESENTATION OF A PICK HAVING RED EDGES.** MATTOCKS AND PICKS. Registered February 8, 1921. THE WYOMING SHOVEL WORKS, Wyoming, Pa. Renewed February 8, 1941, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware, assignee.

139,979. **FIREFOAM.** HAND-OPERATED PORTABLE AND STATIONARY FIRE-EXTINGUISHERS. Registered March 1, 1921. THE ERWIN MANUFACTURING COMPANY, Milwaukee, Wis. Renewed March 1, 1941, to American-LaFrance-Foamite Corporation, Elmira, N. Y., a corporation of New York, successor.

140,222. **THE GENERAL.** A SERIES OR SUCCESSION OF COMIC DRAWINGS OR PICTURES. Registered March 8, 1921. STAR COMPANY. Renewed March 8, 1941, to King Features Syndicate, Inc., New York, N. Y., a corporation of New York, successor.

140,327. **BERLOY.** METAL FILING-CASES, LOCKERS, AND SHELVING. Registered March 15, 1921. THE BERGER MANUFACTURING COMPANY, Canton, Ohio. Renewed March 15, 1941, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey, assignee by mesne assignments.

140,596. **FRENCH IGNITION.** DRY-CELL BATTERIES AND FLASHLIGHT-BATTERIES. Registered March 22, 1921. FRENCH BATTERY & CARBON CO. Renewed March 22, 1941, to Ray-O-Vac Company, Madison, Wis., a corporation of Wisconsin, by changes of name.

140,597. **FRENCH TELEPHONE.** DRY-CELL BATTERIES AND FLASHLIGHT-BATTERIES. Registered March 22, 1921. FRENCH BATTERY & CARBON CO. Renewed March 22, 1941, to Ray-O-Vac Company, Madison, Wis., a corporation of Wisconsin, by changes of name.

140,747. **REPRESENTATION OF A BLUE-JAY.** LIQUID REMEDY FOR CORNS, CALLOUSES, AND BUNIONS, AND FOOT-POWDER. Registered March 29, 1921. BAUER & BLACK, Chicago, Ill. Renewed March 29, 1941, to The Kendall Company, Boston, Mass., and Chicago, Ill., a corporation of Massachusetts, assignee.

140,748. **BLUE-JAY.** LIQUID REMEDY FOR CORNS, CALLOUSES, AND BUNIONS, AND FOOT-POWDER. Registered March 29, 1921. BAUER & BLACK, Chicago, Ill. Renewed March 29, 1941, to The Kendall Company, Boston, Mass., and Chicago, Ill., a corporation of Massachusetts, assignee.

140,811. **GRAINVEY.** ELEVATOR-BELTS MADE OF FABRIC COMBINED WITH RUBBER. Registered March 29, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed March 29, 1941.

140,812. **ORION.** BELTS MADE OF FABRIC COMBINED WITH RUBBER. Registered March 29, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed March 29, 1941.

141,011. **REDFERN.** BRASSIÈRES, BANDEAUX, CAMISOLES, AND CORSET-COVERS. Registered March 29, 1921. THE WARNER BROTHERS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed March 29, 1941.

141,065. **LA BELLE.** WOMEN'S MUSLIN AND SILK UNDERWEAR. Registered April 12, 1921. AARON NEWMARK, INC. Renewed April 12, 1941, to La Belle Lingerie, Inc., New York, N. Y., a corporation of New York, successor.

141,498. **BRILLO.** SOAPS, CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADANT NATURE. Registered April 26, 1921. BRILLO MANUFACTURING COMPANY, New York, N. Y. Renewed April 26, 1941, to Brillo Manufacturing Company, Brooklyn, N. Y., a corporation of New York.

141,499. **SUPREME.** CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADANT NATURE. Registered April 26, 1921. BRILLO MANUFACTURING COMPANY, New York, N. Y. Renewed April 26, 1941, to Brillo Manufacturing Company, Brooklyn, N. Y., a corporation of New York.

141,632. **CROWN.** RAWHIDE LACE-LEATHER. Registered April 26, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed April 26, 1941.

141,843. **AS & W CO.** PLAIN AND GALVANIZED WOVEN-WIRE CONCRETE-REINFORCEMENT. Registered May 3, 1921. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Hoboken, N. J. Renewed May 3, 1941, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey.

142,132. **FLORODORA.** CERTAIN TOILET PREPARATIONS. Registered May 3, 1921. LOUIS SINGER, New York, N. Y. Renewed May 3, 1941.

142,287. **LACLEDE CROWN.** REFRACTORY TILES AND BRICKS FOR FURNACES. Registered May 10, 1921. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed May 10, 1941.

142,670. **KING BEE.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered May 17, 1921. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 17, 1941.

142,676. **LARK.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered May 17, 1921. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 17, 1941.

142,687. **HERCULES.** LEATHER BELTING. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed May 17, 1941.

142,688. **REPRESENTATION OF A CROWN.** LEATHER BELTING. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed May 17, 1941.

142,689. **TARPON.** LEATHER BELTING. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Registered May 17, 1941.

142,690. **PAGE BELTING COMPANY.** LEATHER BELTING. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed May 17, 1941.

142,691. **PAGE BELTING COMPANY.** RAWHIDE LACE-LEATHER. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed May 17, 1941.

142,692. **ANCHOR.** LEATHER BELTING. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed May 17, 1941.

142,693. **REPRESENTATION OF A CROWN.** RAWHIDE LACE-LEATHER. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed May 17, 1941.

142,694. **CONCORD.** LEATHER BELTING. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed May 17, 1941.

142,695. **THE HERCULES.** RAWHIDE LACE-LEATHER. Registered May 17, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed May 17, 1941.

142,709. **SEAPORT.** MANILA ROPE. Registered May 17, 1921. THE PORTLAND CORDAGE COMPANY, Portland, Oreg., a corporation of Oregon. Renewed May 17, 1941.

142,713. **REPRESENTATION OF A MARINER.** MANILA ROPE. Registered May 17, 1921. THE PORTLAND CORDAGE COMPANY, Portland, Oreg., a corporation of Oregon. Renewed May 17, 1941.

142,741. **RED-HEAD.** RIVET-SETS. Registered May 17, 1921. RICH TOOL COMPANY, Chicago, Ill. Renewed May 17, 1941, to Frank Harold Mott, Birmingham, Mich., assignee by mesne assignments.

142,947. **REPRESENTATION OF A RED TRIANGLE ON A GREEN RECTANGLE.** CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTH OF ABRADANT NATURE. Registered May 24, 1921. BRILLO MANUFACTURING COMPANY, New York, N. Y. Renewed May 24, 1941, to Brillo Manufacturing Company, Brooklyn, N. Y., a corporation of New York.

143,067. **FURNASEAL.** REFRACTION CEMENT FOR HIGH-TEMPERATURE USES. Registered May 24, 1921. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed May 24, 1941.

143,329. **FLEUR de LIS.** CERTAIN ARTICLES OF CLOTHING. Registered May 31, 1921. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed May 31, 1941.

143,706. **CROWN.** LEATHER FILLET. Registered June 7, 1921. PAGE BELTING COMPANY, Concord, N. H., a corporation of New Hampshire. Renewed June 7, 1941.

143,764. **VULCANITE.** SHINGLES, ROOFING-TILE, ROOFING-SLABS, COMPOSITION ROOFING, ROOFING-CEMENT. Registered June 7, 1921. THE VULCANITE ROOFING COMPANY, Wilmington, Del., and Buffalo, N. Y. Renewed June 7, 1941, to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland, assignee.

144,023. **PABCOLIN.** A CERTAIN NAMED FLOOR-COVERING. Registered June 21, 1921. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Renewed June 21, 1941.

144,160. **HY-TEN-SIL.** BULK-BRONZE AND CASTINGS MADE FROM BRONZE. Registered June 28, 1921. AMERICAN MANGANESE BRONZE COMPANY, INC., Philadelphia, Pa., and New York, N. Y. Renewed June 28, 1941, to American Manganese Bronze Company, Holmesburg, Pa., a corporation of New York.

144,194. **SEMINOLE.** ALLOY STEEL, CHISEL-STEEL, AND ALLOY CHISEL-STEEL. Registered June 28, 1921. LUDLUM STEEL COMPANY, Watervliet, N. Y. Renewed June 28, 1941, to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania, by merger and change of name.

144,240. **BLACK HAT.** LEAF-TOBACCO. Registered June 28, 1921. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 28, 1941.

144,295. **GAINSBOROUGH.** TOOTH, HAIR, CLOTH, HAT, NAIL, AND FACE BRUSHES. Registered June 28, 1921. WESTERN BOTTLE MANUFACTURING COMPANY. Renewed June 28, 1941, to Weco Products Company, Chicago, Ill., a corporation of Illinois, by change of name.

144,363. **CARTIER.** CERTAIN NAMED ARTICLES OF JEWELRY, TABLEWARE, TOILET, AND OTHER SILVERWARE. Registered July 5, 1921. CARTIER, INC., New York, N. Y., a corporation of New York. Renewed July 5, 1941.

144,565. **ACCURACY TETCO.** ELECTRIC TACHOMETERS AND ELECTRIC METERS. Registered July 12, 1921. THE ELECTRIC TACHOMETER CORPORATION, Philadelphia, Pa., a corporation of Delware. Renewed July 12, 1941.

144,720. **PHEASANT.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered July 19, 1921. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed July 19, 1941.

144,745. **GRAPE-OLA.** CANDY — NAMELY, CHOCOLATE-BARS. Registered July 19, 1921. DILLING & COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed July 19, 1941.

144,809. **R. & B.** SILVER-PLATED FLAT-WARE—NAMELY, FORKS, SPOONS, LADLES, AND KNIVES. Registered July 19, 1921. INTERNATIONAL SILVER COMPANY, Meriden and Waterbury, Conn. Renewed July 19, 1941, to International Silver Company, Meriden, Conn. a corporation of New Jersey.

144,820. **FOREST.** FLORIST DISPENSING SUPPLIES. Registered July 19, 1921. KERVAN COMPANY. Renewed July 19, 1941, to Jack R. Kervan, doing business as The Kervan Company, New York, N. Y., successor.

144,822. **ECCO.** SKETCHING-PAPER. Registered July 19, 1921. KEUFFEL & ESSER COMPANY, Hoboken, N. J., a corporation of New Jersey. Renewed July 19, 1941.

144,827. **LACLEDE-CHRISTY.** FIRE-BRICK AND FIRE-TILE. Registered July 19, 1921. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 19, 1941.

144,832. **INTERNATIONAL.** LINEN THREAD. Registered July 19, 1921. THE LINEN THREAD COMPANY. Renewed July 19, 1941, to The Linen Thread Co., Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

144,895. **INSTITUTION X.** WASHING-POWDER. Registered July 19, 1921. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 19, 1941.

144,937. **GRILL.** CANNED FRUITS. Registered July 19, 1921. SMITH-FRANK PACKING CO., Sacramento, Calif. Renewed July 19, 1941, to Frank M. Wilson Company, San Francisco, Calif., a copartnership, assignee by mesne assigments.

144,976. **WILLIAMS'.** SHAVING-CREAM IN THE NATURE OF SOAP, SHAVING-POWDER, SHAVING-STICK, AND LIQUID SOAP. Registered July 19, 1921. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn., a corporation of Connecticut. Renewed July 19, 1941.

145,077. **PROTOLAC.** CASEIN FOOD PRODUCT. Registered July 26, 1921. THE DRY MILK COMPANY. Renewed July 26, 1941, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

145,095. **MON CHERI.** SOAPS. Registered July 26, 1921. HENRIETTE GABILLA, Paris, France. Renewed July 26, 1941, to Chartre Manufacturing & Importing Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

145,096. **FLEUR du JOUR.** SOAPS. Registered July 26, 1921. HENRIETTE GABILLA, Paris, France. Renewed July 26, 1941, to Chartre Manufacturing & Importing Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

145,099. **BALANCE.** LEDGER AND WRITING PAPER. Registered July 26, 1921. GRAHAM PAPER COMPANY, St. Louis, Mo., as assignee of Gilbert Paper Company, Menasha, Wis. Renewed July 26, 1941, to Graham Paper Company, St. Louis, Mo., a corporation of Missouri, assignee.

145,118. **COMET.** GUMMED PAPER. Registered July 26, 1921. IDEAL COATED PAPER COMPANY. Renewed July 26, 1941, to McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts, assignee.

145,137. **PEARLS OF WHEAT.** WHEAT BREAKFAST FOOD AND FOOD INGREDIENT. Registered July 26, 1921. FRANKLIN MACVEAGH & COMPANY, Chicago, Ill. Renewed July 26, 1941, to Albers Bros. Milling Co., Seattle, Wash., a corporation of Oregon, assignee.

145,153. **SIGNAL.** LEATHER AND CLOTH GLOVES AND LEATHER AND CLOTH MITTENS. Registered July 26, 1921. MILWAUKEE GLOVE COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed July 26, 1941.

145,187. **J. E. RHOADS & SONS.** LEATHER BELTING. Registered July 26, 1921. J. E. RHOADS & SONS, Philadelphia, Pa., and Wilmington, Del. Renewed July 26, 1941, to J. E. Rhoads & Sons, Philadelphia, Pa., a firm.

145,194. **GLOSSILLA.** CERTAIN NAMED YARNS, THREADS, FLOSS USEFUL FOR ART-NEEDLE-WORK. Registered July 26, 1921. BERNHARD ULMANN CO. INC., New York, N. Y., a corporation of New York. Renewed July 26, 1941.

145,196. **BEAR.** CERTAIN NAMED INSTRUCTION-BOOKS AND SIMILAR PUBLICATIONS. Registered July 26, 1921. BERNHARD ULMANN CO. INC., New York, N. Y., a corporation of New York. Renewed July 26, 1941.

145,325. **EMPRESS.** OIL-CUPS AND GREASE-CUPS. Registered August 2, 1921. BOWEN PRODUCTS CORPORATION, Auburn, N. Y. Renewed August 2, 1941, to Bowen Products Corporation, Ecorse, Mich., a corporation of New York.

145,376. **HOUSEKEEPERS DELIGHT.** WHEAT-FLOUR. Registered August 2, 1921. HANNIBAL MILLING CO., Hannibal, Mo. Renewed August 2, 1941, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

145,401. **BLACK DOG.** LEAF-TOBACCO. Registered August 2, 1921. LIGGETT & MEYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed August 2, 1941.

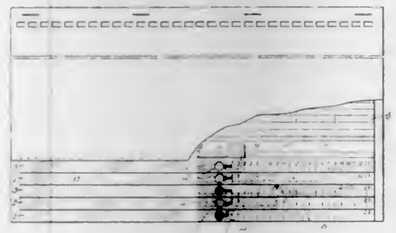
145,440. **SODATE.** SOAP. Registered August 2, 1921. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed August 2, 1941.

145,460. **SLOCOMB.** MICROMETER-CALIPERS. Registered August 2, 1921. J. T. SLOCOMB CO., Providence, R. I., a corporation of Rhode Island. Renewed August 2, 1941.

REISSUES

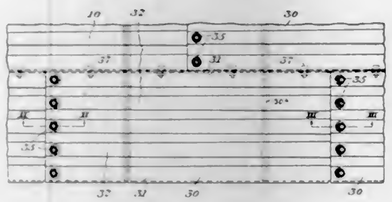
MARCH 18, 1941

21,751
SIGNAL AND INDICATOR FOR RECORD SHEETS
Arthur I. Appleton, Northbrook, Ill.
Original No. 2,210,746, dated August 6, 1940, Serial No. 320,831, February 26, 1940. Application for reissue December 7, 1940, Serial No. 369,140
7 Claims. (Cl. 129—16.7)



1. A combined quantity indicator and warning device for use in connection with the keeping of records of stocks of goods, comprising a stationary element and a longitudinally-movable slide mounted on said element, said element having a line of graduations extending along the slide for cooperation with the slide to indicate quantities of stock on hand, said element also having underneath the slide at one end of the graduations a warning mark, and said slide having therein a hole that registers with the said warning mark whenever the slide is in a position indicating that the quantity of stock has been reduced to any predetermined amount.

21,752
LINER SEGMENT
Charles B. Cushwa and Thomas L. White, Youngstown, Ohio, assignors to The Commercial Shearing & Stamping Company, a corporation of Ohio
Original No. 2,181,508, dated November 28, 1939, Serial No. 205,304, April 30, 1938. Application for reissue April 20, 1940, Serial No. 330,800
5 Claims. (Cl. 61—45)



1. A liner segment comprising a skin plate curved along one dimension and having corrugations extending along said dimension, depressions formed adjacent one end of the plate and protuberances at the other, a pair of said segments being adapted to be assembled end to end in partly lapped relation wherein the protuberances at one end of a segment mate with the depressions in the end of the adjacent segment, said depressions and protuberances being disposed at the crests and troughs of said corrugations.

21,753
EXTENSION DEVICE
Willard A. Davis, Edgewood, R. I., assignor, by mesne assignments, to Gemex Company, a corporation of New Jersey
Original No. 2,156,973, dated May 2, 1939, Serial No. 4,099, January 30, 1935. Application for reissue July 19, 1940, Serial No. 346,431
5 Claims. (Cl. 24—71)

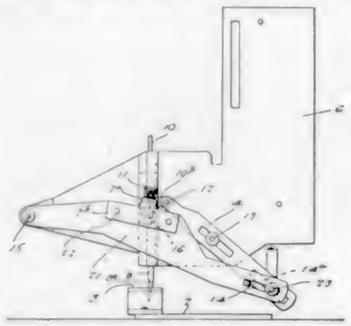


2. An extensible buckle greater in length than breadth, said buckle adapted to be used with a pair of bracelet sections in turn adapted to be attached to a wrist watch or the like, one of said sections including a plurality of folding links hinged together and to said buckle and narrower than said buckle so as to be foldable into nested relationship within said buckle, said buckle comprising, in combination, a top link adapted to be connected to one of said sections and having a top portion and opposed longitudinal wall portions extending therefrom to form an elongated channel open at the bottom to receive said folding links, an adjusting link member adapted to be connected to the other of said bracelet sections and mounted in said top link between said wall portions and spaced from the bottom edges thereof for sliding longitudinal movement relative thereto between extended and contracted positions, so that said top link is open at the bottom regardless of the position of said adjusting link member to provide a space for said folding links when in their nested position, a thin substantially planar control member, means for pivotally mounting said member on said top link, said control member being movable transversely only with respect to the longitudinal dimensions thereof, and a finger piece on one end of said control member extending from one end of said top link between the planes of said wall portions, for moving said control member, one of said members having a series of ratchet teeth formed along a portion of its length and the other of said members having a pawl thereon, said pawl and said ratchet teeth being juxtaposed within said top link so that transverse movement of said finger

piece relative to said top link separates said pawl and said ratchet teeth whereby said adjusting link member is freely slidable in said top link.

21,754
SEWING MACHINE ATTACHMENT
Earl Helle, Beardstown, Ill., assignor of fifty per cent to Lloyd M. McClure, Beardstown, Ill.
Original No. 2,079,317, dated May 4, 1937, Serial No. 105,782, October 15, 1936. Application for reissue April 25, 1939, Serial No. 269,944
8 Claims. (Cl. 112—79)

7. In combination with a sewing machine having a reciprocating needle bar, an attachment therefor comprising a supporting frame member adapted for attachment to the machine, a pair of nested needles including a hole punching needle and a yarn forcing needle, said needles being guided for vertical reciprocating movement on said frame and for sliding movement in reverse directions relatively to one another, and mechanism carried by said frame member for connecting said needles with the usual needle bar of the sewing machine for transmitting movement of the needle bar to said needles but in opposite directions.



PLANT PATENTS

GRANTED MARCH 18, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

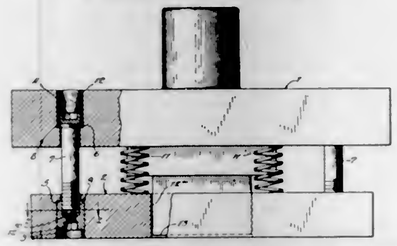
461
ROSE PLANT
Walter Irwin Johnston, Portadown, Ireland, assignor to Jackson & Perkins Company, Newark, N. Y.
Application November 1, 1940, Serial No. 363,952
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant characterized as to novelty by its compact bush form, freedom of bloom, the distinctive color combination of both the bud and developed flowers, and color and texture of the foliage, substantially as shown and described.

PATENTS

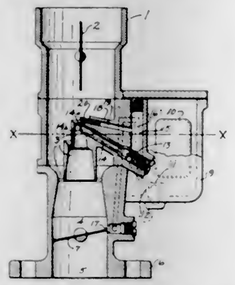
GRANTED MARCH 18, 1941

2,234,945
STRIPPER PLATE FOR PUNCH HOLDERS
Emil A. Baumbach, Chicago, Ill.
Application September 19, 1940, Serial No. 357,377
6 Claims. (Cl. 164—110)



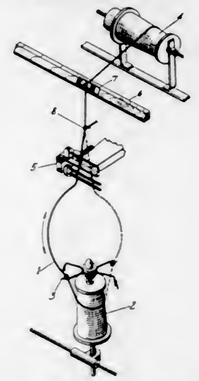
1. A punch holder, a stripper plate, and means for mounting said stripper plate on said punch holder, said stripper plate and punch holder having aligned circular openings therein, each opening having a cylindrical recess providing an annular shoulder, and means for securing said stripper plate to said punch holder comprising a bolt having a cylindrical head slidable in one of said cylindrical recesses, guided by its cylindrical sides and engageable with one of said shoulders, a cylindrical nut threaded on said bolt and slidable in the other cylindrical recess, guided by its cylindrical sides and engageable with the other shoulder, said nut and head both being retractible into a recess beyond the entrance opening to said recess.

2,234,946
CARBURETOR
George M. Bicknell, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 3, 1940, Serial No. 333,238
4 Claims. (Cl. 261—41)



1. In a downdraft carburetor, a mixture conduit including a venturi, a fuel reservoir, a chamber adjacent the wall of said conduit and normally submerged in said reservoir and communicating therewith, a main fuel nozzle communicating with said reservoir through a metering restriction and extending from said chamber upwardly at an angle and discharging substantially at the throat of said venturi, and a passage extending from said chamber posterior to said restriction more sharply upwardly than said nozzle and having an opening slightly anterior to and in line with the nozzle opening, said passage being of ample size for releasing bubbles from said chamber.

2,234,947
METHOD AND APPARATUS FOR THE PRODUCTION OF BROKEN FILAMENT YARN
Alvah Dale Clark, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 1, 1939, Serial No. 307,065
9 Claims. (Cl. 57—2)

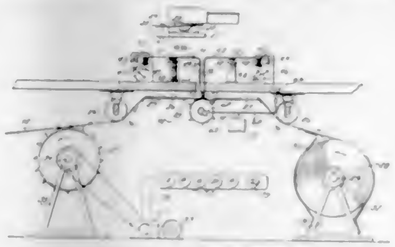


1. In an apparatus for producing broken filament yarn, an abrasive member, means for passing yarn comprising continuous filaments over the abrasive member including means whereby a portion of the yarn is caused to balloon outwardly, means adjacent the abrasive member for positioning the traveling yarn relative to the abrasive member and for transforming the ballooning motion of the yarn into lateral movement back and forth along the abrasive member.

2,234,948
MUSICAL COMPOSITION WRITING APPARATUS
William Franklyn Allen, Jr., Seaford, Del., and Edward J. Clark, Camden, N. J.
Application March 24, 1938, Serial No. 197,880
10 Claims. (Cl. 84—461)

1. Musical composition writing apparatus including means for selectively propelling a long band of score paper at any one of several predetermined speeds, whose ratio to each other is more or less approximately the metronomic ratio between the several generally accepted metronomic tempi, a series of electromagnetically actuated natural note markers in operative juxtaposition to said score-paper band and extending across the paper band in operative alignment with the corresponding natural note positions and arranged to mark the paper so long as energized, another set of electromagnetically actuated intermediate note markers in opera-

tive juxtaposition to said score-paper and extending across the paper band in operative alignment with the corresponding natural-note markers and arranged to make only a single-point contact with the paper, electric circuit-makers corresponding to and adapted to be disposed beneath each key of the piano key-board, and adapted to be operated thereby, with the electric circuit-makers corresponding to each intermediate note being also effective to operate the electric circuit-maker beneath the natural key immediately adjacent to it, electrical circuits including a source of electrical energy intermediate each of said electric circuit-makers beneath each of the natural keys and each of the electromagnetic markers corresponding to the natural-notes for moving said markers into the marking position and for retaining the same in the marking position whenever and so long as



the corresponding natural key is depressed, electrical circuits including a source of electrical energy intermediate each of said electric circuit-makers beneath each of the intermediate (sharp or flat) keys and each of the intermediate-note electromagnetic markers, for moving said markers into the marking position only for a single-point mark for each movement of the key and for thereafter releasing the marker from the marking position, means associated with the score paper for audibly signaling each beat in timed relation to the movement of said score paper and the markings on said score paper, and means for audibly signaling the first beat of every count in timed relation to the movement of the score paper and the markings thereon; said means for audibly signaling each beat and said means for audibly signaling the first beat of every count being of contrasting sounds.

2,234,949

MODIFICATION OF THE PHYSICAL PROPERTIES OF ORGANIC ISOCOLLOIDS

Laszlo Auer, Jackson Heights, N. Y., assignor to J. Randolph Newman, Washington, D. C., as trustee

No Drawing. Application April 21, 1930, Serial No. 446,170. Renewed January 27, 1939. In Great Britain April 24, 1929

24 Claims. (Cl. 260—407)

1. As an improvement in modifying the properties of organic isocolloid materials, the improvement which comprises dispersing a minor amount of a diaminodiaryl-urea compound in said organic isocolloid material by mixing 2 to 10 per cent of said diaminodiaryl-urea compound with said organic isocolloid material and heating the mixture to temperatures between 100° and 300° C. until said urea compound is dispersed in the said organic isocolloid substance and said isocolloid material is modified thereby, thus altering the properties thereof.

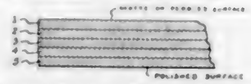
2,234,950

PROJECTION SCREEN

Robert E. Barclay, Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

Application January 24, 1938, Serial No. 186,615

5 Claims. (Cl. 88—24)



1. A motion picture or like screen suitable both for transmitted and reflected images having a self-sustaining panel-like body of laminated resinous construction, said body comprising a plurality of layers of paper saturated in a clear resinous substance and pressed and cured, the said body being translucent, one of the surfaces of said body being of polished character, the other of said surfaces being roughened.

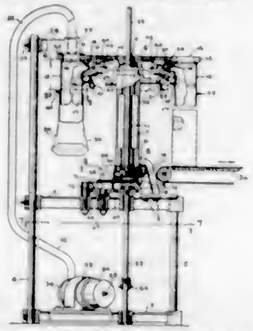
2,234,951

PACKAGING MACHINE

Daniel Belcher, Minneapolis, Minn., assignor to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri

Application April 21, 1938, Serial No. 203,336

5 Claims. (Cl. 226—61)



1. In an apparatus of the class described, a movable member having an opening therein, an element fixed to and depending from said member and having its lower end portion adapted to be received in the mouth of an empty bag, a complemental element mounted for pivotal movement with respect to said fixed element and having its lower portion adapted to be received in the mouth of the bag and cooperating with said fixed element to provide a filling spout adapted to support a bag, said spout being in communication with said opening, a conduit connected with a supply of air under pressure and having its discharge end normally closed by said movable member, and means for operating said member whereby when the opening therein passes the air supply conduit, a blast of air is directed into the bag supported on said elements, thereby to expand the walls and bottom of the bag and shape its body.

2,234,952

PIPE

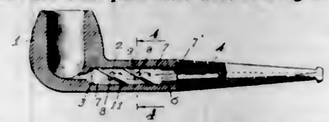
Frederick Bendix, San Francisco, Calif.

Application December 26, 1939, Serial No. 310,889

4 Claims. (Cl. 131—210)

1. A baffle for a pipe having a bowl and a chamber in the stem thereof, comprising a longitudinally disposed partition within said chamber and

provided with apertures; and slotted baffles mounted on said partition and having the slots



intersecting the apertures of said partition to provide a tortuous passage through said chamber.

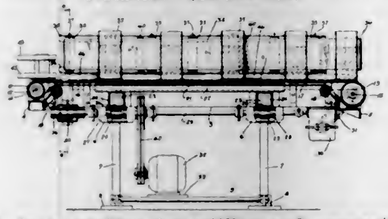
2,234,953

MACHINE FOR COMPACTING MATERIAL IN CONTAINERS

Daniel Belcher and Harold V. Kindseth, Minneapolis, Minn., assignors to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri

Application May 22, 1939, Serial No. 274,875

9 Claims. (Cl. 259—72)



1. In a machine for settling and compacting material in flexible containers, a conveyer belt for the containers, means for vibrating a section of said belt to settle the contents in the containers, oppositely disposed side belts between which the containers are fed, longitudinally disposed guide members, and means for imparting opposed horizontal movement to said guide members, whereby they will simultaneously periodically engage the lower portions of the container bodies to prevent them from relatively rotating on the conveyer belt.

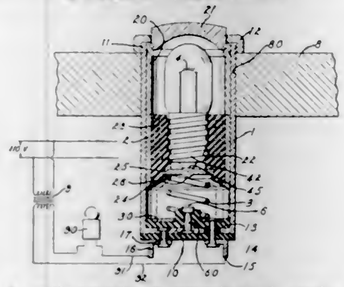
2,234,954

ILLUMINATED PUSH BUTTON

Paul R. Bergman, near Seattle, Wash.

Application October 3, 1938, Serial No. 232,987

4 Claims. (Cl. 200—167)



1. A self-contained illuminated push button device, comprising an outer shell open at one end only, and having two external terminals in its base, a spring received within said shell and reacting from its base, an inner shell snugly telescoping within the open end of said outer shell, and urged outward by said spring, the outer end of said inner shell being closed by a translucent wall, a lamp base receptacle reciprocable with the inner end of the inner shell, an electric lamp mounted therein and received within said inner shell, a stop normally limiting outward movement of said inner shell under the action of said spring, and easily removable for ejection of said inner shell, receptacle, and lamp assembly from said outer shell, conducting means operable in the normal limiting outer position of said inner shell to complete a circuit through said receptacle and lamp between said two terminals, and further conducting means within the outer shell operable to shunt said terminals by inward telescoping movement of said shells, said conducting means enabling complete ejection of the inner shell and said receptacle from the outer shell.

2,234,955

NICKEL ALLOYS AND PROCESS OF TREATING THE SAME

Clarence George Bieber and Mortimer Pierce Buck, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 28, 1939, Serial No. 253,350

7 Claims. (Cl. 148—13)

1. An age hardened wrought article of manufacture made of a nickel-copper alloy comprising 25% to 35% copper, 2.7% to 3.1% aluminum, 0.4% to 0.6% titanium, not more than 1% silicon, 0.13% to 0.2% carbon and the balance substantially all nickel, said article having been subjected during processing to mechanical hot working operations and to heat treatment whereby an improved article is produced containing controlled amounts of titanium, aluminum and carbon within the aforesaid ranges while at the same time possessing high mechanical properties, including a hardness of about 300 Brinell, improved resistance to embrittlement when exposed to elevated temperatures for long periods of time and improved freedom from splits and the like compared to an article made of a similar alloy not containing titanium in the aforesaid amounts.

5. In the process of age hardening nickel-copper alloys containing 10% to 45% copper, 2% to 4% aluminum, at least 0.25% and less than 1% titanium, 0.05% to 0.3% carbon, and the balance substantially all nickel, the aging steps which comprise holding said alloys containing controlled amounts of titanium, aluminum and carbon in the aforesaid ranges at temperature within the range of about 1000° F. to about 1225° F. for from about one-half hour to about 16 hours and subsequently cooling substantially continuously to a temperature within the range of about 900° F. to about 800° F. at a rate not exceeding about 50° F. per hour through any temperatures above about 1100° F. and at a controlled rate not exceeding about 25° F. per hour through temperatures below about 1100° F. whereby higher hardnesses are imparted to said alloys than by heat treating similar alloys by a process involving furnace cooling said alloys at the conventional slow rate of about 200° F. per hour.

2,234,956

EXPLORATION WITH ELECTRIC IMPULSES

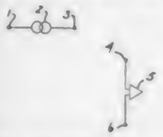
Solomon Bilinsky, Houston, Tex., assignor to E. E. Rosaire, Houston, Tex.

Application August 25, 1938, Serial No. 226,654

3 Claims. (Cl. 175—182)

2. The method of electrical prospecting which comprises arranging an electric current source and two electrodes embedded in the earth connected by substantially straight conductors, termed a primary circuit, arranging two other electrodes embedded in the earth connected by

substantially straight conductors to a potential indicating instrument constituting a secondary circuit so that its array makes substantially a right angle to the array of primary circuit, caus-



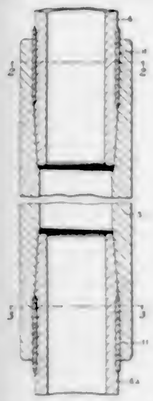
ing current from the primary circuit to flow in the earth, detecting the potential produced in the secondary circuit, and observing transmission variation with respect to frequency between primary and secondary circuits.

2,234,957

THREAD LOCKING MEANS

Alexander Boynton, San Antonio, Tex.

Application October 28, 1938, Serial No. 237,525
7 Claims. (Cl. 285—146)



1. A drill pipe joint including a tool joint member, a drill pipe threadably connected thereto, complementary grooves in said member and drill pipe to form an annular recess within the joint, lands within each of said grooves on each said member and said drill pipe, said lands extending longitudinally of the grooves, and a metal of low melting point cast within the recess and about the lands to form a lock between the tool joint member and the drill pipe whereby the joint member and drill pipe may be relatively rotated only after said metal is sheared.

2,234,958

ESTERS AND METHOD OF PRODUCING THE SAME

Theodore F. Bradley, Stamford, and William B. Johnston, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 26, 1938, Serial No. 242,556
20 Claims. (Cl. 260—75)

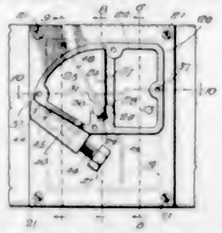
1. A process for the production of ester condensation products which comprises heating to reaction temperatures a mixture containing fumaric acid, a non-conjugated terpene of the $C_{10}H_{16}$ series and a reactive solubilizing alcohol.

2,234,959

AIR CONTROL FOR STOKERS

Albert L. Brice, Frederick, Md., assignor to The Frederick Iron and Steel Company, Frederick, Md., a corporation of Maryland

Application September 16, 1937, Serial No. 164,229
3 Claims. (Cl. 236—45)



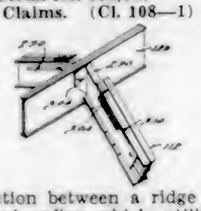
1. Means for controlling the air supply to stokers comprising in combination with an air supply duct, a pressure chamber, said pressure chamber having a supporting plate member connected with one wall of said duct with an opening in said pressure chamber leading into said duct, an angularly movable shaft member extending through said pressure chamber and through said duct, a vane device operative under static pressure conditions carried by said shaft member and located in said pressure chamber, a separate valve device operative under dynamic pressure conditions in opposite relation to said vane device carried by said shaft member and located in said duct, a pair of limiting stops disposed in said pressure chamber for determining the limits of movement of the vane device therein, and means for regulating the ingress and egress of air at atmospheric pressure with respect to said pressure chamber for regulating the operation of said vane.

2,234,960

BUILDING FRAME STRUCTURE

Henry W. Buelow, Detroit, Mich.

Original application September 20, 1935, Serial No. 41,364. Divided and this application October 3, 1938, Serial No. 233,013
6 Claims. (Cl. 108—1)



1. A connection between a ridge piece and a channel shaped rafter which utilizes a rafter plate comprising a channel shaped bracket having a parallel sided mid section and an integrally formed bent over end section, a connection between said end section and said ridge piece, and a connection bringing said mid section parallel to and in nested relation within said rafter.

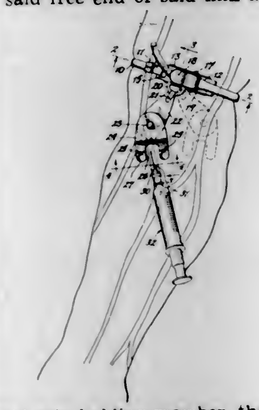
2,234,961

VEIN HOLDER

Phoebe L. Canada, Brooklyn, N. Y.

Application August 5, 1938, Serial No. 223,283
3 Claims. (Cl. 128—327)

1. A surgical instrument comprising a band adapted to be secured around the limb of the patient, an eye secured to said band and projecting outwardly therefrom to lie parallel with the skin of the limb, a rigid flat metal link having a rounding hook at one end passing through said eye and formed to permit said flat link to be swung outwardly from the skin of the limb as well as parallel with the skin, a metal vein holding member having a flat end engaging one flat face of said link at the free end thereof, a rivet pivotally securing said free end of said link and said flat



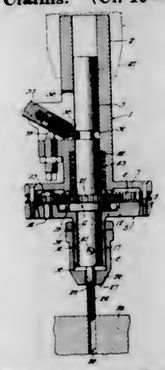
end of said vein holding member, the free end of said vein holding member being formed to provide a pair of spaced rounded fingers movable over a vein and into engagement with the surface of the skin on opposite sides of said vein to hold said vein against displacement and in high relief while making an intravenous injection or the like.

2,234,962

THREAD CUTTING DEVICE

Frank Cislak, Berwyn, Ill., assignor of one-fourth to Frank Lane, Mt. Pleasant, Iowa, one-fourth to John M. Binding, Manistee, Mich., and one-fourth to Lewis D. Ross, Chicago, Ill.

Application May 19, 1939, Serial No. 274,555
15 Claims. (Cl. 10—136)



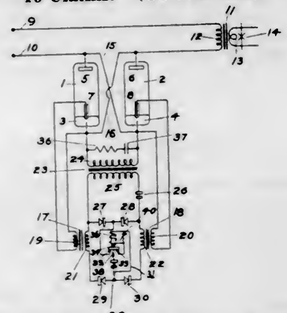
1. A tapping device comprising a drive member having a shank adapted to be received in the driven spindle of a screw machine, drill press or the like, a tap supporting spindle mounted for axial and rotary movement relative to said drive member, a reverse gear transmission interposed between said drive member and said driven spindle, a reverse speed control member adapted to contact the adjacent surface of the work when the tap has entered said work a predetermined distance, and means normally locking said reverse gear transmission against operation for causing said drive member, transmission and tap spindle to rotate as a unit, said parts being so arranged that contact of said control member with said work during continued downward pressure of said driven spindle causes said reverse gear locking means to be ineffective and said transmission to drive said tap spindle in a reverse direction.

2,234,963

ARC TUBE SYSTEM

David D. Coffin, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application July 14, 1939, Serial No. 284,501
15 Claims. (Cl. 175—354)



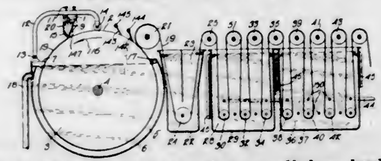
1. In combination, a load circuit, circuit means for connecting said load circuit to a source of alternating current, a pair of inversely-connected arc discharge devices interposed in said circuit means for controlling the flow of current to said load circuit, each of said arc discharge devices comprising an anode, a pool type arc cathode, and an igniting electrode adapted to initiate an arc spot on said cathode, an igniting circuit for supplying each of said igniting electrodes with igniting impulses, and means responsive to the appearance of a substantial voltage across said arc discharge devices, upon failure of one arc discharge device to start conducting current, for preventing the other arc discharge device from conducting current.

2,234,964

CELLULOSE SHEETS AND PROCESS FOR MAKING THEM

Emil Czapek, Berlin, Germany, assignor to Guaranty Trust Company of New York, New York, N. Y., a banking corporation of New York

Application August 12, 1937, Serial No. 158,746
8 Claims. (Cl. 18—57)



1. A flexible and very strong cellulose hydrate strip capable of being crushed and crumbled and characterized by a uniform physical structure having a practically equal tension and shrinkage characteristic throughout, free from internal stresses, said strip being produced by directly

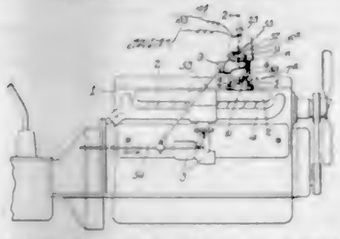
supporting and then spreading on a dry supporting surface a copper oxide ammonia cellulose solution and effectively coagulating said spread solution by penetrating the so spread solution via the exposed surface thereof with a coagulating medium while said solution is in contact with said supporting surface until the coagulating medium finally penetrates to the supporting surface to form a thin layer, and finally regenerating and washing the thin layer so formed.

2,234,965
ROTARY CUTTER
Gerard A. De Vlieg, Rockford, Ill.
Application April 5, 1937, Serial No. 135,066
14 Claims. (Cl. 29—105)



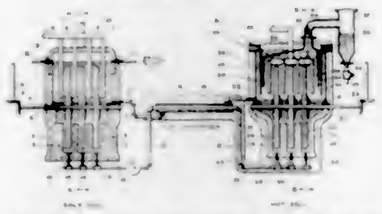
1. A cutter comprising, in combination, a rotatable body having an outwardly opening slot therein defined by opposed side walls and a root surface disposed at an angle to the axis of said body, a blade snugly and slidingly fitting said slot and having a bottom face formed on an angle complemental to that of said root surface, a groove formed in adjacent side faces of said slot and said blade, the axis of the groove in said blade being substantially parallel with the plane of said bottom face and the groove in the slot face being at a sharply acute angle toward the plane of said root surface, and a locking pin freely slidable in said grooves and having angularly related sections respectively complemental to said grooves to produce upon insertion thereof into said grooves a wedging force for holding said blade seated against said root surface in any relative longitudinal position of adjustment.

2,234,966
FUEL CONTROLLING DEVICE FOR INTERNAL COMBUSTION ENGINES
Paul H. Diehl, Chicago, Ill., assignor of one-half to Donald M. Carter, Chicago, Ill.
Application March 9, 1936, Serial No. 67,812
12 Claims. (Cl. 123—97)



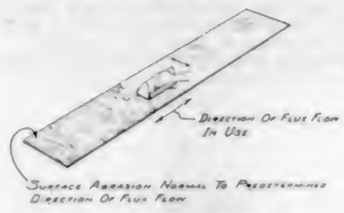
1. A fuel controlling device for internal combustion engines comprising an air admitting device for admitting air into the cylinders of the engine, a port therefor, a valve for controlling said port responsive to the suction of the engine when in operation, and holding means for holding said valve from fluttering during partial acceleration and deceleration.

2,234,967
PRODUCTION OF ALKALI METALS
Harvey N. Gilbert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 11, 1936, Serial No. 68,274
Renewed May 17, 1940
3 Claims. (Cl. 204—21)



1. An electrolytic cell comprising a container, having electrically conductive interior side walls, a body of liquid metal adapted to serve as an electrode in the lower portion of said container, an electrolyte floating on the surface of said liquid metal and a metal shield within said container and spaced from the side walls thereof extending through said electrolyte close to but out of contact with said liquid metal and electrically insulated from said side walls.

2,234,968
ART OF REDUCING MAGNETOSTRICTIVE EFFECTS IN MAGNETIC MATERIALS
Dan M. Hayes and Don S. Wolford, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application November 12, 1938, Serial No. 240,202
14 Claims. (Cl. 175—356)

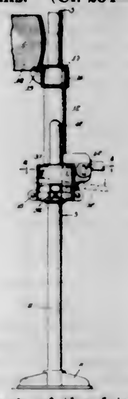


7. A lamination for a transformer consisting of a body of magnetic material having a major surface abraded in a direction transverse to the direction of flow of lines of magnetic force through said body.

2,234,969
TUNGSTEN BASE CONTACT
Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application February 24, 1939, Serial No. 258,182. Renewed June 14, 1940
6 Claims. (Cl. 200—166)

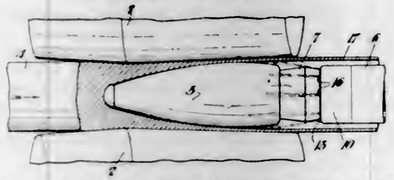
1. An electric contacting element composed of metal or metals taken from the group of tungsten, molybdenum and rhenium, in percentages ranging from 90 to 99.8% and borides of the boride forming metals of the fourth and fifth group of the periodic system in percentages ranging from .1 to 10%.

2,234,970
LIFTING JACK
Millard B. Lucker, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich., a corporation of Michigan
Application April 17, 1936, Serial No. 74,969
14 Claims. (Cl. 254—106)



1. In a lifting jack of the friction grip type, a base, an upstanding shaft operatively carried by the base, a lifting body composed of individual pieces slidable along the axis of said shaft, a housing formed in said body, actuating and holding clamps in said housing embracing the shaft, and a load engaging member carried by the lifting body, said load engaging member embracing a plurality of said pieces and being rotatably adjustable thereon.

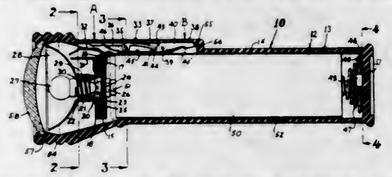
2,234,971
MEANS FOR COOLING PIERCING POINTS OF TUBE ROLLING MILLS
John W. Kelso, East McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application July 22, 1939, Serial No. 286,015
4 Claims. (Cl. 80—13)



1. In a tube rolling mill, a mandrel bar, a piercing point disposed on the outer end of said mandrel bar, said mandrel bar being constructed and arranged so that a cooling fluid can be conveyed therethrough, and means arranged on the end of said mandrel bar for delivering the cooling fluid outwardly from the end thereof toward said piercing point whereby the cooling fluid is directed over and around the exterior surface of the piercing point so as to cool the same.

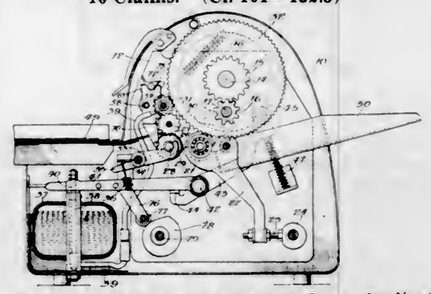
2,234,972
FLASHLIGHT
William M. Lennan, Pasadena, Calif.
Application April 30, 1934, Serial No. 723,148
Renewed July 14, 1937
24 Claims. (Cl. 240—10.6)

9. A flashlight comprising a flexible watertight rubber housing having an open portion and having a transparent closure for said open portion and a casing member in said housing, said casing member comprising a unit independent of said housing and closure and including a support having an electric bulb socket mounted



thereon at one end and means to engage a battery and mounted on the support at the end thereof opposite said socket, a circuit closing member associated with said socket and means mounted on said support to operate said circuit closing member.

2,234,973
DUPLICATING MACHINE
Alfred Marchev, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application May 13, 1938, Serial No. 207,729
10 Claims. (Cl. 101—132.5)

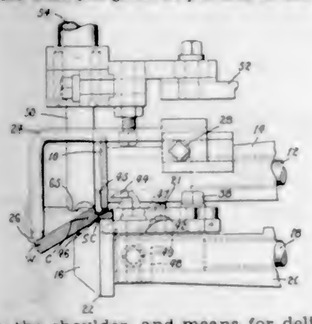


1. In a moistening mechanism for a duplicating machine in which copy sheets are fed into impression relationship to a master sheet carried around by a drum, the combination of a roller engaging a copy sheet on its way to the drum, a spray device connected with a source of solvent under pressure for delivering solvent to the face of the roller at spaced points therealong, and a second roller having a facing of absorbent material rotatably mounted in engagement with the bottom face of said first named roller so as to cooperate therewith for forwarding copy sheets to the drum and effective for taking surplus solvent from said first-named roller.

2,234,974
SOLE CEMENTING MACHINE
Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 21, 1938, Serial No. 247,029
5 Claims. (Cl. 12—80)

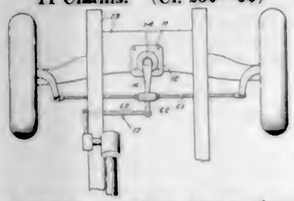
1. In a machine for coating the shoulder channels of soles for turn shoes having a shoulder and a feather, a nozzle having a ridge and a groove extending transversely of the end of the nozzle for engagement with the work, a passage in the nozzle intersecting the ridged portion thereof to deliver cement to a lateral surface of the shoulder

and to the feather of the sole, means for supporting the sole with the grooved portion of the nozzle



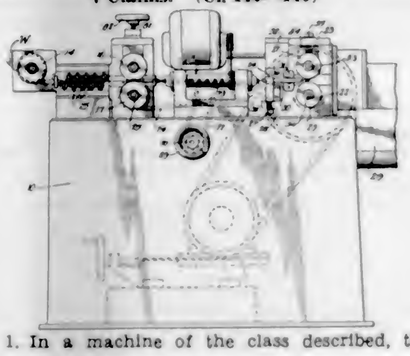
overlying the shoulder, and means for delivering coating material to the nozzle.

2,234,975
MOTION CHECKING DEVICE
Harry D. Newhart, San Anselmo, Calif.
Application October 8, 1938, Serial No. 234,052
11 Claims. (Cl. 280—90)



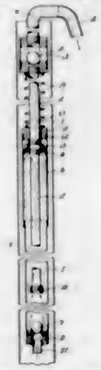
3. In a motion checking device, the combination with a piston oscillating in fluid compression chambers and having a by-pass chamber communicating with said compression chambers; of a by-pass valve mechanism, comprising, a sliding valve for covering the communicating passages of said by-pass chamber, a valve stem adjustably secured into said piston, and a plurality of heat responsive elements held on the end of the valve stem inside the communicating portion of the by-pass chamber so as to adjustably support said sliding valve on said stem.

2,234,976
WIRE CUTTING MACHINE
Fredric C. Muntwyler, Oak Park, Ill., assignor to Wire Sales Company, Chicago, Ill., a corporation of Illinois
Application January 15, 1940, Serial No. 313,855
7 Claims. (Cl. 140—146)



1. In a machine of the class described, the combination of wire feeding rolls adapted to feed the wire forwardly, a wire guide normally extending in the straight line of advance of the wire delivered from the feeding rolls and through which the wire is fed, said wire guide being adapted to have its discharge end moved laterally, means for recurrently actuating the wire guide, a pair of spaced rotating cutter rolls presenting unobstructed surfaces for the passage of the wire between them when the guide is standing in normal position and rotating in the direction of movement of the wire and each carrying an outwardly projected cutter blade positioned to rotate in a path laterally adjacent to the normal path of movement, said cutter blades adapted in conjunction to sever lengths of wire when the discharge end of the wire guide is moved laterally to bring the wire into the path of the cutter blades, and driving connections between the wire feeding rolls, the means for actuating the wire guide, and the cutters, for actuating the parts in timed relation to one another.

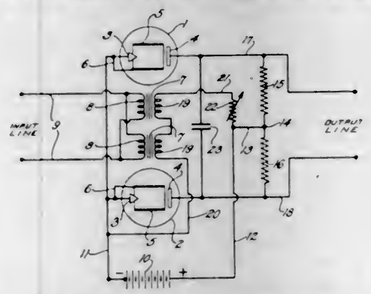
2,234,977
SAND PUMP
Fred H. Ohland, Gibbon, Minn.
Application February 19, 1938, Serial No. 191,443
5 Claims. (Cl. 103—188)



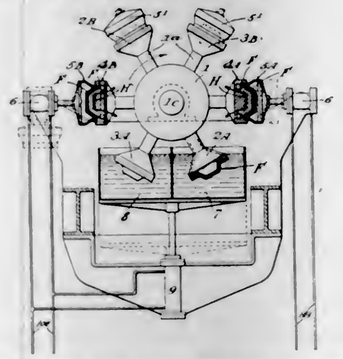
1. A sand pump and the like comprising a screen, a pump cylinder associated with said screen, a plunger adapted to reciprocate within said cylinder, means for producing movement of said cylinder with said plunger during part of the stroke of said plunger, and means for causing a surge of liquid adjacent said screen during the movement of said cylinder with said plunger.

2,234,978
HIGH-SPEED RELAY
Wilcox P. Overbeck, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 3, 1938, Serial No. 205,858
11 Claims. (Cl. 250—27)

1. A relay system comprising an input circuit, an output circuit, a pair of controlled space discharge devices, each comprising an envelope containing an ionizable atmosphere and a pair of electrodes of opposite polarity between which an ionizing discharge is adapted to pass, a source of direct current having one terminal thereof connected to a common terminal of one polarity of said pair of discharge devices, the electrodes of the other polarity being connected to the two sides of said output circuit, an impedance branched across said output circuit, the other terminal of said source being connected to an intermediate point on said impedance, control means for impressing a magnetic field on each of said discharge devices for controlling the initiation of an ionizing discharge in each of said discharge devices, means for energizing said control means from said input circuit, whereby an alternating current wave supplied by said input circuit causes an ionizing discharge to be initiated alternately in said two discharge devices, and means responsive to the starting of an ionizing discharge in one of said discharge devices for stopping the ionizing discharge in the other of said discharge devices.

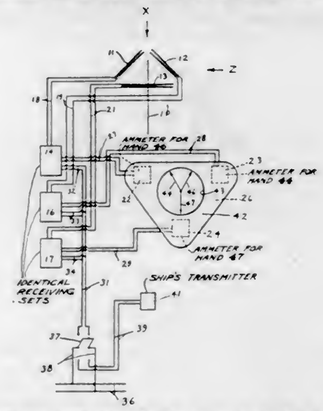


2,234,979
APPARATUS FOR PRODUCING MOLDED PULP ARTICLES
Walter H. Randall and Richard L. Emery, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national-banking association of the United States, as trustee
Application April 29, 1937, Serial No. 139,734
18 Claims. (Cl. 92—56)



10. A fibrous pulp molding machine, comprising an intermittently revolving shaft on which are mounted a foraminous forming die and a drying die, means for depositing a wet pulp article on said forming die, a reciprocating drying die mounted outside the orbit of the revolving dies for timed coaction therewith, means for revolving said shaft step by step to bring the dies thereon successively into coactive alinement with said reciprocating die, and means operative when said shaft is paused in its rotation for coacting said reciprocating die first with said forming die to remove the wet formed article from the forming die and thereafter with said revoluble drying die to dry the wet article between said revoluble drying die and said reciprocating die under mechanical pressure and heat applied by at least one of said dies.

2,234,980
RADIO LOCATION FINDER
Carl J. Rasmussen, Washington, D. C.
Application August 3, 1938, Serial No. 222,837
12 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A radio location finder for a ship or the like, comprising a plurality of directional antennae, some of these antennae being arranged with their lines of maximum receptivity angularly disposed with respect to each other and obliquely disposed with respect to the longitudinal center line of the ship, one of said antennae having its line of maximum receptivity disposed approximately at right angles to the keel line of the ship, and means responsive to the intensity of signals received by said antennae for indicating the source of said signals, the latter means comprising an indicator responsive to the intensity of signals received by said one of said antennae, a differential indicator comprising a movable indicating hand and differential means responsive differentially to the intensity of signals received by said some of said antennae for moving said indicating hand, a calibration adjacent said differential indicator, and means movable with and transversely relative to the direction of motion of said indicating hand in response to said differential means for indicating on said calibration the distance to the source of said signals.

2,234,981
FORMALDEHYDE SULPHOXYLATE DERIVATIVES OF DIPHENYL-SULPHIDES, -DISULPHIDES, -SULPHOXIDES, AND -SULPHONES, AND METHODS OF PRODUCTION
Sanford M. Rosenthal and Hugo Bauer, Washington, D. C., assignors to Government of the United States, as represented by the Secretary of the Treasury
No Drawing. Application January 27, 1938, Serial No. 187,216
28 Claims. (Cl. 260—500)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

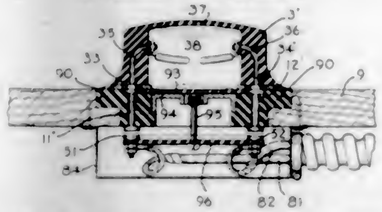
1. As new chemical compounds, formaldehyde

sulphoxylate derivatives of the general formula



in which R is a radical selected from the group consisting of S, S—S, SO and SO_2, and R′ is a radical selected from the group consisting of NH_2, $NH.CH_2SO_2Na$, and NO_2.

2,234,982
FLUSH FLOOR ELECTRIC OUTLET
Donald S. Ross, Moclips, Wash.
Application April 7, 1939, Serial No. 266,496
16 Claims. (Cl. 200—83)



8. Means to effect an electrical connection through a partition, one side whereof is normally inaccessible, comprising, in combination, an electrical conductor extending through the partition, a separate magnetic conductor extending through the partition, an electric inlet terminal at the inaccessible side of the partition, normally out of electrical contact with, but movable into such contact with, the electrical conductor, a magnetic armature at the inaccessible side of the partition, disposed to be attracted and moved by the magnetic conductor when the latter is magnetized, and operatively connected to the inlet terminal to move the latter into electrical contact with its conductor, when the armature is so moved, a removable member applicable to the accessible side of the partition, an outlet electric terminal carried by said removable member in position to contact the electrical conductor, and a magnet carried by the removable member, and applicable to the magnetic conductor, to magnetize the same, and thus to close the electric circuit.

2,234,983
RODENT TRAP
William E. Russell, Cumberland, Md.
Application March 25, 1940, Serial No. 325,865
4 Claims. (Cl. 43—69)

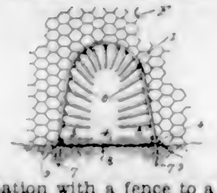


1. A rodent trap for a pail having an open upper end with the body downwardly tapered, comprising a pair of hingedly connected door sections swingable on a common axis for the opening and closing of the upper open end of said pail, a bail holder having a portion forming a pivot for said door sections and also a portion arched upwardly above the same, and treadways resting upon the pail at the open top and outwardly inclined from the latter for contact with a support or foundation and having extensions arranged for overhanging the door sections and forming stops for limiting the swing thereof in one direction.

2,234,984
ALKYLATION PROCESS
Alexander N. Sachanen and Selby B. Davis, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 23, 1938, Serial No. 231,340
5 Claims. (Cl. 260—671)

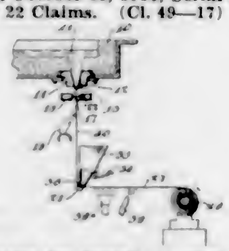
1. The process of preparing alkylated aromatic compounds which comprises adding aromatic hydrocarbons to paraffinic hydrocarbons to form a mixture thereof, treating the mixture in the presence of a catalyst comprising an association of silicon oxide and aluminum oxide at a temperature upwards of about 850° F. so that said aromatics will be alkylated with said paraffins, and using a sufficiently high concentration of aromatics and paraffins in said mixture that a substantial amount of said alkylation is obtained.

2,234,985
RETURN GATE FOR POULTRY
Clark W. Simonds, Red Creek, N. Y.
Application March 17, 1939, Serial No. 262,515
1 Claim. (Cl. 43—65)



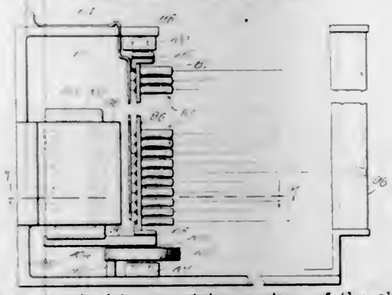
In combination with a fence to a poultry yard having an opening therein, a poultry gate mounted at said opening and comprising a pair of distantly spaced arcuate supporting wires having pointed ends projecting into the ground and adapted to anchor the device, closely spaced parallel flexible wires affixed to the top and side portions of the arcuate supporting wires, the parallel wires extending beyond the arcuate supporting flexible wire farther from the fence and converging toward but spaced from each other to form a restricted opening of sufficient size to permit poultry to push therethrough but not to return, the said wires being resilient and individually expansible, and cross bars affixed to the respective arcute supporting wires close to the ground to brace same.

2,234,986
MECHANICALLY DRAWING FIBERS
Games Slayter and John H. Thomas, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application October 13, 1936, Serial No. 105,405
22 Claims. (Cl. 49—17)



20. Apparatus for forming a substantially continuous fine fiber of thermoplastic material, which comprises a container for a molten supply body of thermoplastic material, said container having a small outlet orifice therein, means spaced away from said orifice for pulling a fiber of thermoplastic material from said orifice, and a blower intermediate said pulling means and said orifice and spaced away from each, said blower being provided with jets arranged at opposite sides of said fiber adapted to direct blasts of gas against said fiber and in the general direction of movement of said fiber to cause gaseous medium surrounding said orifice to be induced into said blasts and pass over the surface of the thermoplastic material issuing at the outlet end of said orifice to increase the viscosity thereof.

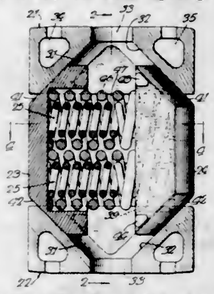
2,234,987
PICTURE REPRODUCING APPARATUS FOR TELEVISION SYSTEMS
Walter Soller, Cincinnati, Ohio, assignor of one-half to William H. Woodin, Jr., Tucson, Ariz.
Original application January 31, 1935, Serial No. 4,393. Divided and this application May 5, 1939, Serial No. 271,973
12 Claims. (Cl. 178—7.3)



1. In a television receiving system of the class described, picture producing apparatus including a frame structure, a core structure mounted at one end of said frame structure, pole faces formed on said core structure, a bank of light units pivotally mounted in said frame structure and individually energized by light modulated currents, an arm member connected with said bank of light units, a coil supported on said arm member between the pole faces of said core structure, field windings on said core structure energized by direct current, said coil being energized by scanning current and operative in the field produced by said field winding to oscillate said pivoted bank of light units, and a screen mounted on the other end of said frame structure, the rays from said light units being focused on said screen to produce a line of light, said line traversing said screen to integrate an image of the object televised as said bank of light units is oscillated.

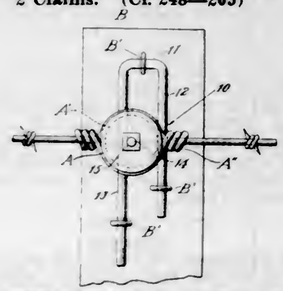
2,234,988
FRICTION SPRING UNIT
Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware
Application May 29, 1939, Serial No. 276,298
8 Claims. (Cl. 267—9)

1. A spring unit for a bolster supporting spring assembly comprising a pair of followers, each having outwardly converging friction surfaces, a pair of friction shoes, each having a straight body portion provided with an outer surface curved in cross-section and each having an inclined friction surface on each end engaging the friction surfaces of said followers, a pin and slot connection between each end of each shoe and the corresponding followers, said pins extending at right angles to the axes of said spring means, and



spring means for forcing said shoes into frictional engagement with the friction surfaces of said followers, said spring means constituting the sole spring members employed for resisting compression of said unit.

2,234,989
INSULATOR MOUNTING
George Tkach, Lakefield, Minn.
Application September 11, 1939, Serial No. 294,379
2 Claims. (Cl. 248—205)

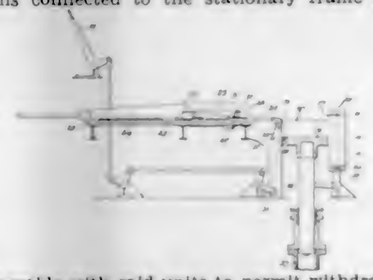


1. An insulator holder comprising a U-shaped member presenting coplanar essentially parallel arms, one shorter than the other; an insulator-receiving element mounted on the longer arm intermediate the length thereof extending perpendicularly relative to the plane of the arms; and means for holding an insulator on said element.

2,234,990
ASSEMBLING AND PILING UNIT
William J. Todhunter, Newcastle, New South Wales, Australia
Application June 16, 1939, Serial No. 279,421
7 Claims. (Cl. 198—24)

1. In a device of the character described, the combination of a roller table comprising a stationary frame and spaced-apart unit-supporting rollers journaled therein, horizontally extending guide-ways secured to the frame, transversely thereof and in a plane below the tops of the rollers, a reciprocating bar supported by the guide-ways, and having a pusher area at its forward end and projecting above the plane of the roller tops, a tongue secured to and projecting from the forward end of the reciprocating bar, having a receiving surface below the tops of the rollers for receiving the units from the roller table upon reciprocation of said bar, and for carrying the

same to a place of discharge, and abutment means connected to the stationary frame and



engageable with said units to permit withdrawal of said tongue from therebeneath.

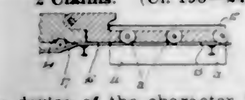
2,234,991

ASSEMBLING AND PILING UNIT, ESPECIALLY PLATES

William J. Todhunter, Newcastle, New South Wales, Australia

Application August 9, 1939, Serial No. 289,117

2 Claims. (Cl. 198—24)



1. In a device of the character described, the combination of a loading table, means for bringing plates into position for transfer to said table, a reciprocating bar, a track having vertically spaced offset portions in parallel planes, interconnected with an inclined portion, for supporting the said bar in its reciprocating movements and a tongue secured to the forward end of the bar, said tongue having associated therewith means forming a pusher area, and provided with a plate supporting surface adapted to yield upon engagement with the plate.

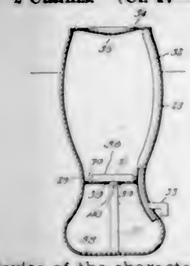
2,234,992

SELF-FEEDING FLOWER OR PLANT POT

Harvey E. Tracey, Fredericksburg, Ohio, assignor of one-fourth to J. Lloyd Parker, Fredericksburg, Ohio

Application March 22, 1939, Serial No. 263,522

2 Claims. (Cl. 47—38)



1. In a device of the character described, a receptacle including upstanding walls and a bottom wall, with the upstanding walls provided with a restricted portion spaced from the bottom wall, a soil supporting wall arranged in the restricted portion of the receptacle and forming a combined air and water reservoir between the bottom wall and said soil supporting wall, an absorbent feeder containing food ingredients for plants supported by said soil supporting wall and partly overlying the latter and extending downwardly in the reservoir and resting on the bottom wall, a tube carried by the receptacle and extending from the upper end thereof to a point adjacent the bottom wall, an overflow pipe connected with the receptacle and tube above the lower end of said tube.

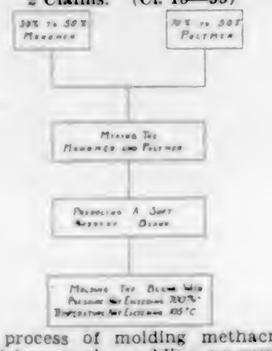
2,234,993

PROCESS OF MANUFACTURING ARTICLES OF THERMOPLASTIC SYNTHETIC RESINS

Lester B. Vernon, Beaver, and Harold M. Vernon, Pittsburgh, Pa., assignors to The Vernon-Benshoff Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 6, 1937, Serial No. 124,460

2 Claims. (Cl. 18—55)



1. The process of molding methacrylic acid esters which comprises adding approximately 2 to 4 parts by weight of monomeric methacrylic acid ester to approximately 8 to 6 parts by weight of granular polymeric methacrylic acid ester, permitting the ingredients to stand undisturbed until the monomer softens the grains of the polymer and stiffens forming a non-homogeneous composition having a soft rubbery consistency, molding the composition under a pressure of 150 to 250 pounds per square inch, and heating the molded composition to polymerize the monomeric ester.

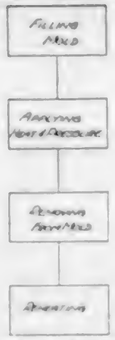
2,234,994

ARTICLE FORMED OF THERMOPLASTIC SYNTHETIC RESINS AND PROCESS OF MANUFACTURING THE SAME

Lester B. Vernon, Beaver, and Harold M. Vernon, Thornburg, Pa., assignors to The Vernon-Benshoff Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 20, 1939, Serial No. 274,840

7 Claims. (Cl. 18—47.5)



2. The process of producing articles of synthetic resins having the property of elastic memory, which comprises filling a mould with particles of polymerized resin having an elastic memory, applying heat and pressure thereto sufficient to distort and surface weld the particles together into a solid non-porous whole having a surface conforming to the cavity of the mould, removing the molded substance from the mold, and reheating a surface of the moulded article to a temperature sufficient to cause the individual surface particles to reassume their original shape to the desired degree.

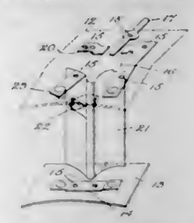
2,234,995

UTILITY HEADLIGHT

Herman P. Waechter, Staten Island, N. Y.

Application April 7, 1939, Serial No. 266,464

2 Claims. (Cl. 240—59)



1. As a new article of manufacture, a self-contained utility headlight comprising in combination a casing, a removable back cover for said casing adapted to conform to a person's forehead, a headband connected to said casing for holding the same in operative position against a person's forehead, reflecting means mounted in the front surface of said casing, an incandescent lamp operatively associated with said reflecting means to emit a beam of light in the normal direction of vision, means including a top and bottom piece of an insulating material and a vertical metallic member forming a readily removable internal unit snugly fitting in said casing and adapted to hold a battery in fixed position, contact means associated with said insulating pieces and with said metallic member for electrically connecting said battery with said lamp, and switching means on said removable unit intermediate to said lamp and said battery.

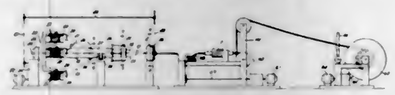
2,234,996

CABLE-MAKING MACHINE

Alanson U. Welch, Jr., and Curtiss M. Cederstrom, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application August 31, 1939, Serial No. 292,905

8 Claims. (Cl. 57—59)



1. A machine for making a stranded substantially rectangular cable from a plurality of rectangular strands, the machine including means for bringing strands of wire together and maintaining them in a rectangular grouping, means for moving said group of strands, a plurality of transposing means, and means for operating said transposing means to bend the strands progressively without twisting into positions extending around the axis of the group.

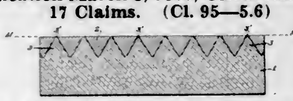
2,234,997

DIRECT PHOTOMECHANICAL REPRODUCTION

Francisco G. Yanes, New York, N. Y.

Application March 8, 1939, Serial No. 260,519

17 Claims. (Cl. 95—5.6)



14. In a photomechanical process the step of transforming photographic values of different depths into photomechanical values of different superficial areas which consists in first photographically recording light values on a light sensitive body provided on the exposure side with minute depressions decreasing in cross-sectional area and sharply ending on the other side, said depressions presenting at the ending plane a pattern of high-light values, the inner structure of the depressions causing the light effect to begin at different depths and to become shaped into a geometrically similar surrounding structure around the depressions, this sort of shaped light effect being proportional to the amount of light, the surrounding structures which represent it having different sizes and heights, all limited by the ending plane where different light effects correspond to sections of different superficial areas geometrically similar to the high-light areas of the pattern; and then treating the exposed body as a photographic material in order to develop and utilize the transformed values in the photomechanical process.

2,234,998

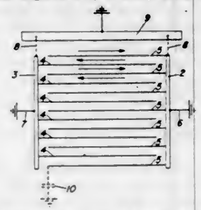
ELECTRICAL SHIELD

Robert H. Worrall, Honolulu, Territory of Hawaii

Application December 6, 1938, Serial No. 244,307

4 Claims. (Cl. 250—16)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an electrical or radio system, shielding means arranged in the form of a grid, two main conductors forming the sides of said grid, a plurality of branch conductors leading from each of said main conductors and forming the bars of said grid, the branch conductors of one of said main conductors lying in adjacent, parallel and alternating relationship to the branch conductors of the other of said main conductors and being insulated therefrom above ground, and each of said main conductors being grounded, the grounding point of each of said main conductors being so located with respect to said branch conductors that displacement currents flowing in adjacent branch conductors are caused to flow in opposite directions to ground.

2,234,999

APPARATUS FOR FORMING SECTIONS OF SHAPED SHEET MATERIAL

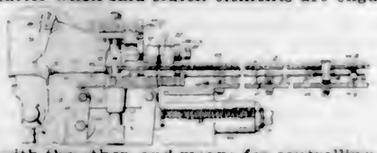
Carl M. Yoder, Lakewood, Ohio

Application July 25, 1938, Serial No. 221,126

14 Claims. (Cl. 164—87)

1. In a machine of the class described, the com-

bination with a support, of a member mounted to reciprocate on said support, a die slidable on said support, a cutter slidable on said member and connected to said die for movement therewith, means for continuously feeding material between said die and cutter, power means, a clutch having an element driven by said power means, connections between another element of said clutch and said member for reciprocating the latter when said clutch elements are engaged



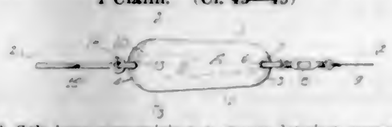
one with the other, and means for controlling the operation of said last mentioned clutch element, said means comprising a dog arranged to engage a wall of the material formed by said cutter and move therewith, connections between said dog and said die and said control means for moving the die and cutter with the material and simultaneously operating said control means, and means for disengaging the dog from the wall of the material.

2,235,000

FISH LURE

Walter W. Albers, San Francisco, Calif.

Application August 30, 1937, Serial No. 161,607
1 Claim. (Cl. 43—45)



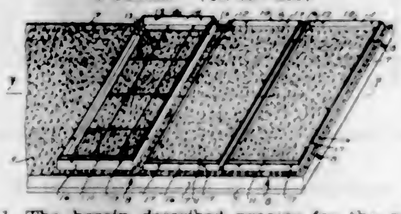
A fish lure comprising a spoon having rounded leading and trailing edges of substantially the same diameter with straight side edges lying tangent with and merging into the leading and trailing edges, the trailing portion of the spoon being gradually curved longitudinally and starting substantially from the middle of the spoon to provide a spoon short in length, said trailing portion also being dish-shaped transversely and curving away from the body of the spoon to a marked degree, the leading portion of the spoon being abruptly curved near the leading edge in a direction opposite to the trailing portion, the curvature of the trailing portion starting from about the center of the spoon causing the spoon to rock when moved slowly through the water and to revolve when moved rapidly through the water.

2,235,001

METHOD FOR THE PRODUCTION OF COMPOSITE SECTIONAL BUILDING UNITS

Charles T. Allen, Birmingham, Ala.

Application August 24, 1938, Serial No. 226,519
5 Claims. (Cl. 25—155)



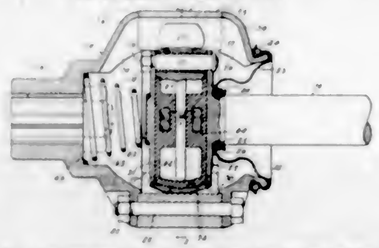
1. The herein described process for the production of metal and plastic wall units, which consists in preparing a casting bed, spreading plastic material for a number of panels at a time on said bed, superimposing a plurality of metallic frame components of panels on said plastic layer, causing said frames to be sunk into said bed, and providing said frames with demountable strip plates which control their depth of penetration into the plastic layer and segregate the plastic component of each of the panels from the layer on said bed, allowing the segregated plastic to set and bond itself in the frames, then removing the frames from said bed, and detaching their strip plates.

2,235,002

UNIVERSAL JOINT

Edmund B. Anderson, Rockford, Ill., assignor, by direct and mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application December 4, 1937, Serial No. 178,123
22 Claims. (Cl. 64—7)



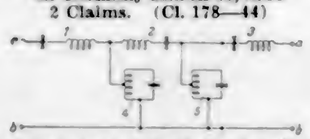
1. In a universal joint, the combination of inner and outer yoke members adapted to have relative angular displacement while rotating together, one of said yokes having a plurality of longitudinal grooves provided therein in equally circumferentially spaced relation and the other of said yokes having a like number of trunnions mounted thereon in radial planes in corresponding circumferentially spaced relation and having oscillatable bearing engagement in said grooves, all of said trunnions being oscillatable laterally relative to and in the plane of rotation of the yoke supporting the same, and resilient means yieldably restraining such oscillatory movement.

2,235,003

WAVE FILTER CHAIN

Menso Arends, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application March 14, 1939, Serial No. 261,731
In Germany March 28, 1938
2 Claims. (Cl. 178—44)



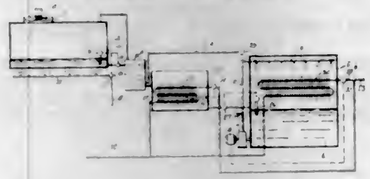
1. A four-pole narrow band wave filter chain comprising two series branches, a plurality of series resonance circuits connected in tandem in one of said branches, and a number of shunt resonance circuits each consisting of a tapped inductance coil and a capacity shunted thereacross, one end of said coil being connected with the other of said series branches and a tapping point of said coil being connected to said one of said branches intermediate two of said series resonance circuits for stepping-up the capacitance of said shunt resonance circuits.

2,235,004

AIR CONDITIONING APPARATUS

Carlyle M. Ashley, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application April 6, 1938, Serial No. 200,494
2 Claims. (Cl. 261—3)



1. In combination, for air conditioning an enclosure, a conditioning chamber, an air inlet and an air outlet for the conditioning chamber, spray apparatus within the chamber for distributing an absorber solution, a cooling coil within the chamber over which the solution is sprayed, a sump at the bottom of the chamber, a pump for supplying solution from the sump to the spray apparatus, means simultaneously operative for admitting water to said cooling coil when said pump becomes operative, a solution supply chamber operatively associated with the conditioning chamber, a cooling coil in said solution supply chamber, means for controlling the action of said last mentioned cooling coil to govern the temperature of solution in the solution supply chamber, a solution interchanger chamber, a regenerator chamber operatively associated with the interchanger chamber, means operatively responsive to the condition of the solution in the conditioning chamber for admitting a measured volume of cooled, regenerated solution to the conditioning chamber from the solution supply chamber and simultaneously removing a corresponding volume of diluted solution from the conditioning chamber to the regenerator chamber, means connecting the solution interchanger chamber with the solution supply chamber and the regenerator chamber whereby regenerated solution will flow from the regenerator chamber through the interchanger chamber into the solution supply chamber, means connecting the interchanger chamber with the conditioning chamber and the regenerator chamber whereby solution from the conditioning chamber will flow through the interchanger chamber to the regenerator chamber, and means for routing regenerated uncooled solution from the regenerator chamber and returning diluted solution from the conditioning chamber in interchange relationship through said interchanger chamber.

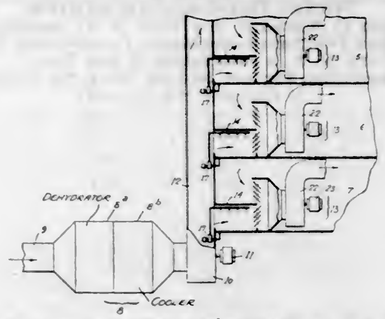
2,235,005

AIR CONDITIONING METHOD

Carlyle M. Ashley, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application April 6, 1938, Serial No. 200,495
4 Claims. (Cl. 236—44)

3. The method of air conditioning an enclosure which comprises conditioning air to a relatively low dewpoint temperature and a relatively high dry bulb temperature, conveying the air thus conditioned to a point of utilization, reducing the dry bulb temperature of the air by intimately contacting said air with a readily vaporizable fluid in liquid form, then supplying the conditioned air to said enclosure and controlling the degree to which said conditioned air is saturated by contact with said liquid in accordance with changes in a psychrometric characteristic of air in said enclosure, and augmenting the volume of conditioned air substantially at the point of supply to the enclosure by a secondary volume of unconditioned air withdrawn from the enclosure.

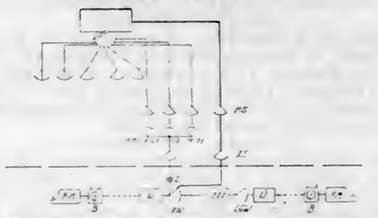


2,235,006

TELEPRINTING SYSTEM

Heinrich Barth, Munich, Germany

Application January 7, 1938, Serial No. 183,924
In Germany January 7, 1937
8 Claims. (Cl. 178—2)



1. A teleprinter system comprising an exchange, a calling station having teleprinter signal transmitting equipment and teleprinter signal receiving and printing equipment, a single signalling circuit connecting said equipment with said exchange, a called station having teleprinter signal transmitting equipment and teleprinter signal receiving and printing equipment, means for establishing a two-way teleprinter connection from said calling station over said single signalling circuit and through said exchange to said called station whereby teleprinter communications can be sent from the transmitting equipment of said calling station to the receiving and printing equipment of said called station and from the transmitting equipment of said called station to the receiving and printing equipment of said calling station, means for initiating a release of such connection, automatic storage means at such exchange for registering fee value units, means for automatically integrating these units, switching devices at such exchange automatically operative in response to initiation of such release to convert said integrated units into teleprinter signals of the type receivable by said receiving and printing equipment of said calling station, and means at such exchange for transmitting said

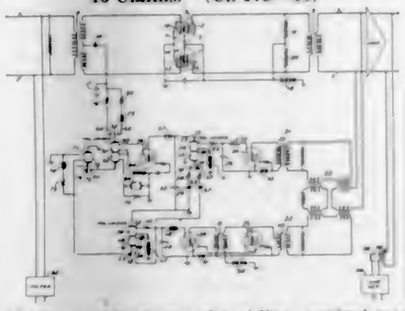
converted signals over said single signalling circuit to said teleprinter signal receiving and printing equipment of said calling station.

2,235,007

SIGNAL TRANSMISSION SYSTEM

Bjorn G. Bjornson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 26, 1940, Serial No. 315,679
13 Claims. (Cl. 178—44)



13. In combination a signal line, control means governed by signals on the line for clearing and blocking the line, and means governed by the energy levels of the signals on the line for selectively controlling the energy level of the signals operating said control means to minimize signal clipping.

2,235,008

BUILDING MATERIAL AND PROCESS OF MAKING THE SAME

Lorrin T. Brownmiller, Washington, D. C., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original application July 11, 1935, Serial No. 30,942. Divided and this application June 8, 1937, Serial No. 147,040.
12 Claims. (Cl. 106—24)

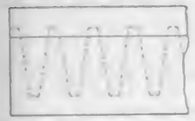
12. A hardened cellular cementitious composition containing a multiplicity of distributed voids, comprising the hardened product of an aqueous mixture comprising a metal, fiber, and a high calcium aluminate cement substantially free of free lime reactable with said metal during the setting reaction of the cement, said voids resulting from bubbles of gas produced during the setting reaction of the cement by said metal and calcium aluminate ingredients, said hardened composition having substantial freedom from objectionable efflorescence when subjected to weather exposure.

2,235,009

MANUFACTURE OF FUSEHEADS

Bryce Campbell, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application May 11, 1938, Serial No. 207,409
In Great Britain May 18, 1937
3 Claims. (Cl. 86—1)



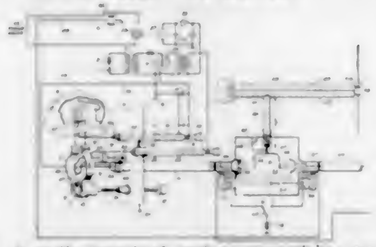
1. A method of manufacturing low tension electric fuseheads which comprises stamping a unitary single thickness pressboard sheet coated on both sides with metal into two complementary combs and converting both of said combs into individual fuseheads by cutting a step on one side of the tip of each tooth of the combs, connecting a bridge wire across said step, dipping the wired teeth of each of said combs into an ignition mix to form beads on said wired tips, and severing the teeth of said combs.

2,235,010

ULTRA-SHORT WAVE TRANSMITTING AND RECEIVING SYSTEM

Joseph G. Chaffee, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 16, 1939, Serial No. 295,218
6 Claims. (Cl. 250—13)



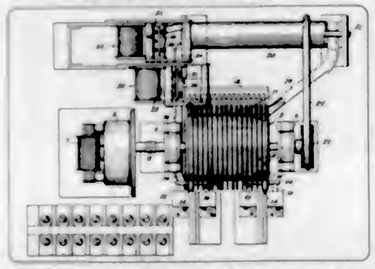
1. A radio terminal system comprising an antenna, a radio transmitter and a radio receiver, individual coaxial lines leading from the antenna, the transmitter and the receiver to a shielded container and having their outer conductors electrically connected to the container, a switch within the container connected to the inner conductor of the antenna coaxial line, and remotely controlled means for causing the switch to connect the antenna to the inner conductor of one or the other coaxial lines and at the same time to completely close the end of the third coaxial line whereby either the transmitter or the receiver may be electrically connected to the antenna as desired, the other being electrically isolated therefrom.

2,235,011

BALL CAM DEVICE

Leonard P. Chaney, Houston, Tex.

Application December 27, 1938, Serial No. 248,017
17 Claims. (Cl. 74—1)



1. In a device of the character indicated, a generally cylindrical ball carrier having spaced apart circumferentially extending flange members to define a plurality of circumferentially extending grooves between adjacent flanges, registering holes extending transversely through said flange members, whereby a ball may be held in a pair of holes in adjacent flanges with the central portion of the ball exposed between said flanges, means for rotating said ball carrier, and actuable means positioned to be actuated by the exposed portion of the ball held between said flanges, and means for automatically transferring the ball from the space between two of said adjacent flanges to the space between one of said two flanges and the next adjacent flange.

2,235,012

DETACHABLE AUTOMOBILE CARRIER RACK

Oliver D. Colvin, Seattle, Wash.

Application June 29, 1937, Serial No. 150,952
1 Claim. (Cl. 224—29)



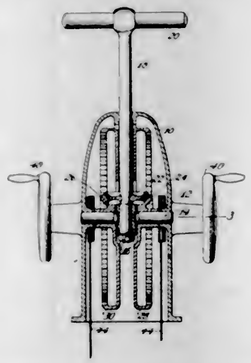
A ski carrier adapted to be applied to the top of an automobile or the like, comprising a cross bar, an upstanding plate fixed to said cross bar, said plate having an upper and a lower opening in the body thereof and a tongue struck up in the upper part thereof, said plate having on one side a flat face, and an elastic binding strap adapted to hold a ski in edgewise position beside the flat side of the plate, said strap extending from the tongue over the upper end of said plate and thence downwardly between the ski and the plate and through said openings and thence under the ski and upwardly around the ski and across the top thereof to engagement with the tongue, the strap having holes at its ends in which the tongue is engaged to hold the strap in binding position.

2,235,013

MULTIPLE CONTROL

Chester C. De Pew, Belleville, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application November 3, 1936, Serial No. 108,970
8 Claims. (Cl. 74—389)



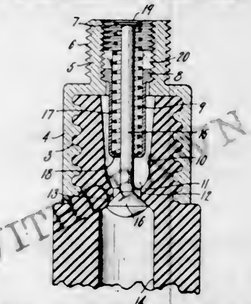
1. A four-way control including in combination, a pair of side bevel gears, a control gear differentially connecting said side gears, two pairs of control shafts geared to said respective side gears, and means for temporarily disconnecting said control shafts for individual operation.

2,235,014

VALVE MECHANISM

Ernst Eger, Grosse Pointe Park, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application September 28, 1932, Serial No. 635,209
9 Claims. (Cl. 251—144)



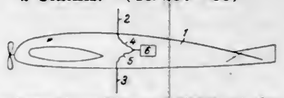
1. In a valve assembly, a tubular valve casing of flexible material having an internal restriction constituting a valve seat, a ferrule secured externally of said casing and terminating in the zone of said restriction to serve as a reenforcement therefor, a co-operating valve member movable in said casing for engaging said restriction, a valve stem for said valve member extending into said casing past the restriction to draw the valve member against the restriction, and a resilient connection between the valve stem and ferrule.

2,235,015

ANTENNA SYSTEM

Hans Eggers, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application June 14, 1939, Serial No. 279,001
In Germany June 24, 1938
2 Claims. (Cl. 250—33)



1. A wireless signalling equipment for use on board aircraft comprising a wireless signalling apparatus, an antenna system consisting of two individual antennas substantially omnidirectional in the horizontal plane of the craft one positioned above and the other disposed below said aircraft in substantially vertical alignment with one another and each normally setting up a radiation diagram subject to deformation by said aircraft, and means for connecting said upper and said lower antenna in parallel to the said wireless signalling apparatus for simultaneous operation whereby said radiation diagrams mutually supplement each other to produce a resultant radiation diagram of substantially circular configuration and uniform action in all compass directions.

2,235,016

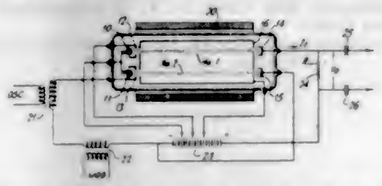
ELECTRON DISCHARGE DEVICE

Andrew V. Haeff, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 10, 1939, Serial No. 260,987
13 Claims. (Cl. 250—27)

1. An electron discharge device having means

for supplying a plurality of parallel adjacent electron beams exposed to each other substantially throughout their length, an output electrode for



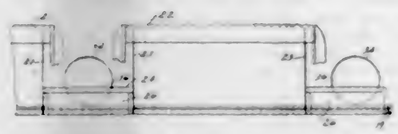
receiving one of said beams and means for modulating another of said beams to vary the current in said one beam.

2,235,017

AIR INTERCEPTING VALVE MEANS FOR COTTON GINS

Thaddeus S. Grimes, Columbus, Ga., assignor to Lummus Cotton Gin Company, a corporation of Georgia

Application October 1, 1940, Serial No. 359,188
6 Claims. (Cl. 19—58)



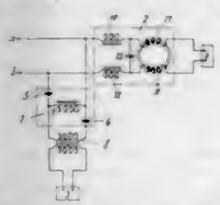
1. In apparatus of the character described, a plurality of gins, a mote conveyor extending along and through the gins, a housing for the conveyor between adjacent gins, and air intercepting valve means in the housing.

2,235,018

ELECTRIC FILTER ARRANGEMENT

Wolfgang Hagen, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application September 1, 1938, Serial No. 227,911
In Germany September 3, 1937
4 Claims. (Cl. 178—44)



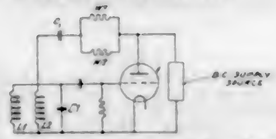
1. An electric filter arrangement, particularly for use in the transmission of intelligence by high frequency energy on a two conductor telephone line which simultaneously are used for ordinary low frequency telephone traffic, characterized in that the filter arrangement includes a high pass filter comprising, a pair of conductors connected to respective ones of the conductors of said line, a condenser disposed in each of the conductors of said pair, an inductance bridged between the conductors of said pairs to interconnect oppositely poled terminals of said condensers, and a transformer bridged across the terminals of said conductor pair.

2,235,019

TEMPERATURE COMPENSATING DEVICE

Helmuth Johannson, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application June 17, 1938, Serial No. 214,395
In Germany June 18, 1937
7 Claims. (Cl. 250—27)



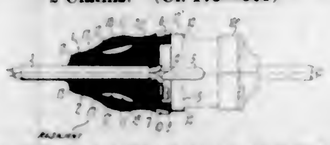
7. An arrangement according to claim 1 further comprising a second ohmic resistance having different temperature-resistance characteristics from those of said first mentioned ohmic resistance, said two ohmic resistances being connected in series with each other.

2,235,020

ELECTRICAL CONNECTOR

David C. Jones, San Francisco, Calif.

Application August 13, 1938, Serial No. 224,785
2 Claims. (Cl. 173—361)



1. In electrical connectors, an elongated body formed with a central bore extending longitudinally therethrough for receiving an electric cord, the opposite outer sides of the body being provided with a pair of recesses and a flat strip of spring metal extending longitudinally of the body and disposed across each recess, the strip over each recess being extended at one end outwardly of one end of said body and in engagement with the outer side of said body adjacent one end of said recess and the opposite end of each strip being out of said recess and in engagement with the other end of the body adjacent the opposite end of said recess, whereby the portion of the strip extending across the recess may be depressed into the recess thereby causing the outwardly projecting end of the strip to move radially outwardly relative to the longitudinal axis of the body, means at the outer ends of the outwardly projecting portions of the strips adapted to normally engage a plug member therebetween and to release the plug body upon said radially outward movement of the outer ends of said strips, and means securing said strips to said body, and terminal members on the body adjacent with the wires of the cord disposed within said bore.

2,235,021

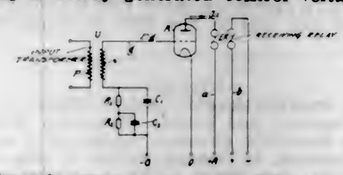
CARRIER FREQUENCY TELEGRAPH SYSTEM

Georg Junga, Berlin-Lichtenberg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application July 22, 1937, Serial No. 154,976
In Germany July 24, 1936
10 Claims. (Cl. 178—66)

1. In a communication system having a receiving terminal provided with a circuit for compensating for the variations in amplitude level of the transmitted signals in a signal transmission

circuit, the method of regulating the amplitude of the incoming signals which consists in producing a locally generated control voltage ap-



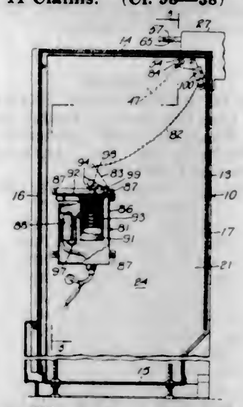
proximately equal to one half of the excess amplitudes, and impressing said control voltage on said receiving terminal so as to thereby effect a distortion-free signal reception.

2,235,022

AIR CONDITIONING APPARATUS

Paul Komroff, New Rochelle, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application October 21, 1937, Serial No. 170,167
11 Claims. (Cl. 98—38)



1. In air conditioning apparatus, the combination of means defining an air passage adapted to connect the outside atmosphere with a room space; air conditioning means in said passage; a damper in said passage and movable between full-open and full-closed positions for regulating the flow of air through said passage; a counterweight connected to said damper and positioned to constantly urge the latter towards full-open position; a manually adjustable stop device for limiting movement of said damper by said counterweight to any one of a number of selected positions; and means acting in response to changes in an operating characteristic of said air conditioning means for moving said damper from any preselected open position toward its closed position upon a given reduction in output of said air conditioning means.

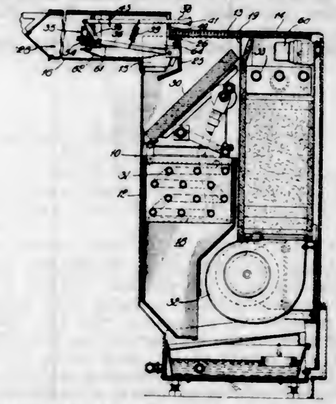
2,235,023

AIR CONDITIONING APPARATUS

Paul Komroff, New Rochelle, and Robert D. Lambert, New York, N. Y., assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application October 21, 1937, Serial No. 170,168
7 Claims. (Cl. 98—38)

1. In air conditioning apparatus, means defining an air passage; means for changing the condition of the air flowing through said passage; a damper movable between closed and open positions for regulating the flow of air through said passage; a first rod connected at one end to the damper and movable lengthwise with the damper; a second rod extending in the same general direction as said first rod and spaced therefrom and movable lengthwise by hand; means for securing said second rod against lengthwise movement at any one of a plurality of positions; a connecting link pivoted at one end to the first rod and pivoted at its other end to the second rod; abutment means on said link and adapted



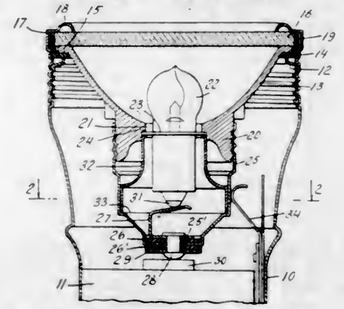
to engage one of said rods and prevent relative movement therebetween when said first rod is moved in a damper-opening direction and when said second rod is moved in a damper-closing direction; means for constantly urging said abutment into said engagement with the rod so that the first and second rods and connecting link are normally held together for movement as a unit for adjusting the position of the damper; and means acting in response to changes in an operating characteristic of said air conditioning means for moving said damper in a closing direction against the force of said urging means upon a given reduction in output of said air conditioning means.

2,235,024

FLASHLIGHT

Walter R. Kopp, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware

Application March 5, 1938, Serial No. 194,023
4 Claims. (Cl. 240—10.6)



1. In a portable lamp, a reflector having an

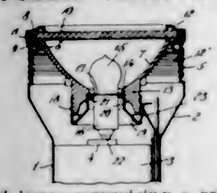
opening therein, a lamp bulb disposed in the opening and provided on its base with a shoulder, the reflector having a seat engaging said shoulder around the lamp bulb, a cap mounted on the reflector, and a collar seated at one end in the cap and surrounding the base of the lamp bulb, the other end of the collar engaging said shoulder to hold the same against the seat and thereby secure the bulb against displacement from the seat.

2,235,025

FLASHLIGHT

Walter R. Kopp, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware

Application November 3, 1939, Serial No. 302,635
3 Claims. (Cl. 240—10.6)



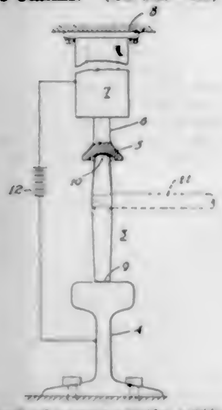
1. A hand lamp comprising a reflector having a central opening therein and having a seat formed in said opening, a lamp bulb mounted in the reflector in alignment with the opening with the stem of the bulb projecting through the opening, the steam of the bulb being provided with a projecting portion engaging said seat, and a cup shaped member secured to the reflector and having a central opening for the passage of the stem, said cup shaped member having an inner cylindrical flanged portion engaging the projecting portion of the stem to retain the bulb on said seat.

2,235,026

TRACK CHISEL AND METHOD OF TREATING SAME

John F. W. Kruse, Oakmont, Pa., assignor to Hubbard and Company, a corporation of Pennsylvania

Application February 5, 1940, Serial No. 317,333
5 Claims. (Cl. 148—12)



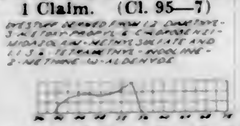
1. A method of permanently setting shock flow lines in a track chisel during its manufacture so that said lines as they lengthen during use of the chisel will substantially parallel its longitudinal axis, which includes holding a track chisel with its cutting edge in contact with a metal abutment and in subjecting the chisel to at least 350 blows of at least 50 pounds each delivered at a rate in excess of 1000 per minute to its head end and in line with its longitudinal axis.

2,235,027

PHOTOGRAPHIC SENSITIZER

Karl Kumetat and Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application October 6, 1939, Serial No. 298,258
In Germany October 12, 1938
1 Claim. (Cl. 95—7)



A photographic gelatino silver halide emulsion containing a benzimidazole trimethinecyanine dyestuff, in which one nitrogen atom of the benzimidazole nucleus has an acetylated hydroxyalkyl group attached thereto.

2,235,028

METHOD OF EXPRESSING FRUIT JUICES

Herbert T. Leo, Clarence C. Taylor, and John W. Lindsey, Anaheim, Calif., assignors to Mutual Citrus Products Co., Inc., Anaheim, Calif., a corporation of California

No Drawing. Application July 26, 1939, Serial No. 286,622
1 Claim. (Cl. 100—50)

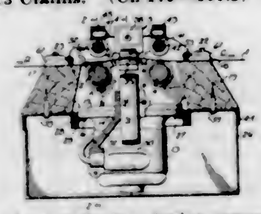
The method of separating fruit juices from pulped fruit particles which comprises soaking in water cellulose substances having the characteristics of being non-scented, unsized, non-tinted, and substantially in a pure state, disintegrating the cellulose substances while being soaked to form a suspension of cellulose fibers, straining the suspension to recover the fibers, intermixing the fibers with pulped fruit, pouring the mixture into a fabric container, pressing the container to express fruit juices therefrom and leave a fruit pomace and cellulose fiber mixture holding the slimy ingredients of the pomace in a unit mass, and inverting and jarring the container to gravitationally release said unit mass from the container.

2,235,029

SOUND FILM EDITING DEVICE

Nathan Levinson, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application March 23, 1937, Serial No. 132,599
Renewed February 20, 1939
13 Claims. (Cl. 179—100.3)



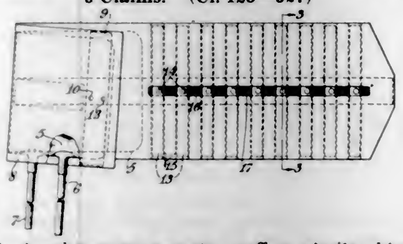
1. A sound reproducing device comprising the combination of, a pair of horizontally disposed film engaging members, driven helical gears operatively connected to said members, a vertically disposed helical driving gear between said driven gears and adapted to drive said driven gears in oppositely rotating directions, means for rotating said driving gear, means for selectively engaging a sound record carrier with either of said members, and means for translating said sound record.

2,235,030

SPHYGMOMANOMETER CUFF OR THE LIKE

Henry L. Mason and Karl H. Hubbard, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application April 14, 1938, Serial No. 201,970
3 Claims. (Cl. 128—327)



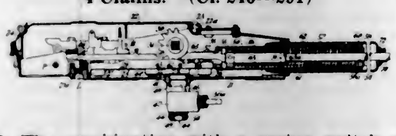
1. A sphygmomanometer cuff or similar blood flow restricting device comprising a casing, an inflatable bag disposed in said casing adjacent one end thereof, an extension on one end of said casing projecting beyond said inflatable bag, a plurality of stiffening members substantially coextensive in length with the width of said extension and secured in spaced, substantially parallel relation on said extension, each stiffening member having an aperture formed in the intermediate part thereof, and a transversely extending stiffening member substantially coextensive in length with the width of said casing and secured to said casing adjacent one end of said bag, said last-mentioned member having a pair of spaced hooks secured to the intermediate part thereof, the spacing of said hooks being less than the spacing between the apertures of adjacent stiffening members on said extension, each of said hooks being selectively engageable in any of said apertures whereby the stiffening member secured to said casing adjacent one end of said bag may be connected to any one of said stiffening members on said extension enabling the cuff to adjust itself to the taper of the arm or other part of the body while providing circumferential restraint for the bag over substantially the entire width of the cuff.

2,235,031

RAILWAY SWITCH OPERATING APPARATUS

Kenneth J. J. McGowan, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 24, 1940, Serial No. 347,269
4 Claims. (Cl. 246—291)



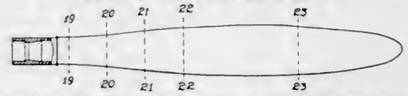
1. The combination with a spring switch and a switch operating mechanism comprising a casing containing a rack bar reciprocable between two extreme positions and operatively connected with the switch for moving the switch between its two extreme positions, of a lock bar slidably mounted in said casing above said rack bar and movable between a locking position in which it locks said switch in one extreme position and an unlocking position, a spring cage slidably mounted in said casing and operatively connected at one end with said rack bar for movement therewith and provided in one end with an opening through which said lock bar extends into said spring cage with clearance, a piston in said spring cage secured to said lock bar, and a spring in said spring cage engaging said piston and effective when said rack bar occupies the position corresponding to said one extreme position of said switch to bias said lock bar to its locking position.

2,235,032

METHOD OF MAKING AIRCRAFT PROPELLER BLADES

James H. McKee, Pittsburgh, Pa., assignor, by mesne assignments, to Curtiss-Wright Corporation, New York, N. Y., a corporation of Delaware

Application June 5, 1937, Serial No. 146,644
10 Claims. (Cl. 29—156.8)



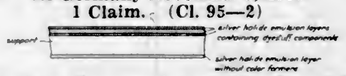
1. A method of making a camber member for a hollow metal aircraft propeller blade, which comprises forming a plate-like blank, heating said blank to rolling temperature, longitudinally tapering said blank in thickness throughout the major part of its length, trimming said tapered blank to a rudimentary blade form, reheating such trimmed blank to rolling temperature, entering the shank end of such heated blank in a die rolling pass and die rolling the same in a single pass to produce a blank which on one side is flat and on the other is provided with a ridge which in the main decreases in height from its shank end to its tip end and which defines the outline of a rudimentary camber member, trimming said blank along said ridge and die pressing the same into a hollow camber member having one open side with the inner edge thereof formed by the remaining part of said ridge.

2,235,033

COMBINED SOUND AND COLOR PICTURE FILM

Alfred Miller, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application November 5, 1937, Serial No. 172,866
In Germany November 9, 1936
1 Claim. (Cl. 95—2)



A method of processing combined sound and picture films which comprises exposing to light a cinematographic picture film having on one side a plurality of differently light-sensitive silver halide emulsion layers each containing a dyestuff component fast to diffusion and capable of being developed by the same color forming developer to give dyestuffs of different colors, said film having on the opposite side a silver halide emulsion free from dyestuff components

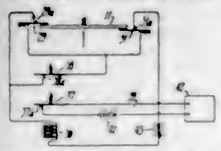
and designed to receive only a sound track, developing the film to black and white, re-exposing the emulsion layers containing the dyestuff components, recording a sound track in said last named emulsion layer and simultaneously developing all of the layers in the same solutions by a developer, the oxidation product of which reacts with said dyestuff components to form said dyestuffs.

2,235,034
BEACHING GEAR
Eddie Molloy, Ypsilanti, Mich., and William C. Keller, North Tonawanda, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application February 28, 1940, Serial No. 321,174
6 Claims. (Cl. 280—61)



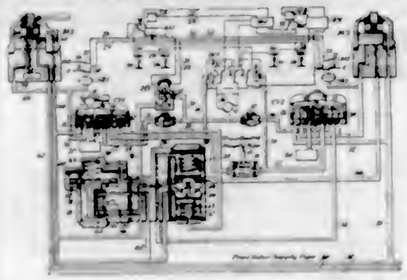
5. A beaching gear for a boat hull having chines and substantially upright sides, the hull having longitudinally spaced openings close to each chine and the side having an opening above each chine, comprising a unitary wheeled structure for each side of the hull including bearing means to engage the bottom and side of hull adjacent said openings, movable locking devices on the structure each engageable with (and resiliently urged toward) engagement with one said opening to secure the structure to the hull, and mechanism on each structure operable to simultaneously disengage said locking devices from hull engagement.

2,235,035
COUNTING APPARATUS
Harold J. Mumma, Glendale, Calif., assignor to Ahlburg Company, Los Angeles, Calif., a corporation of California
Application July 29, 1938, Serial No. 221,995
3 Claims. (Cl. 235—98)



3. In apparatus of the character described, a magnetic relay having a winding and having two pair of contacts, a response circuit associated with said relay, said response circuit including a source of current and a response device, said response circuit having one pair of said contacts connected in series with the same, whereby when the winding of the relay is energized the response circuit is closed, two pair of relay controlling contacts, said relay controlling contacts being normally opened, one pair of said controlling contacts being connected in shunt with the second pair of relay contacts, and the second pair of said controlling contacts being connected in series with the first pair of controlling contacts, a source of energizing current for the winding of the relay, and electrical connections between the source of current for the relay and the winding of the same, whereby when both pairs of said controlling contacts are closed, the winding of the relay is energized to close both pairs of said relay contacts, the second pair of relay contacts when closed serving to shunt said first-named pair of controlling contacts to prolong energization of the relay until the second pair of controlling contacts is opened.

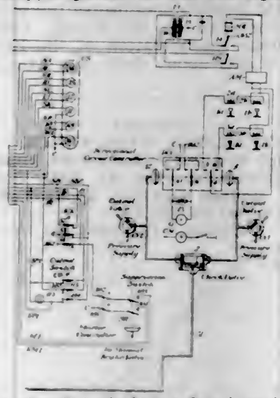
2,235,036
RAILWAY TRAFFIC CONTROLLING APPARATUS
William A. Oehlschlager, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 12, 1940, Serial No. 345,127
14 Claims. (Cl. 246—63)



1. In railway traffic controlling apparatus for use with train carried receiving means responsive to energy received from the track rails for governing train carried train control apparatus when the vehicle on which such apparatus is mounted is equipped for operation either end first, the combination comprising, an energy receiver mounted at each end of the vehicle in energy receiving relation to the track rails, a pneumatically actuated circuit controller having a contact member biased to a midposition and operable to either a right-hand or a left-hand position, a circuit including said contact member at its right-hand position to connect the receiver at one end of the vehicle to said receiving means, a circuit including said contact member at its left-hand position to connect the receiver at the other end of the vehicle to said receiving means, a first and a second valve provided for said one and said other end of the vehicle respectively and each operable to a cut-in position, means including said first valve at its cut-in position to supply pressure to said circuit controller which actuates it to its right-hand position, and means including said second valve at its cut-in position to supply pressure to said circuit controller which actuates it to its left-hand position.

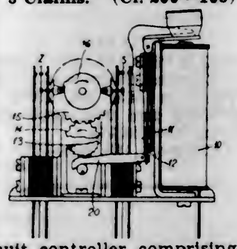
2,235,037
RAILWAY TRAFFIC CONTROLLING APPARATUS
Frank H. Nicholson and Harold W. Bryan, Penn Township, Allegheny County, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 12, 1940, Serial No. 345,148
20 Claims. (Cl. 246—63)

12. In railway traffic controlling apparatus for use with train carried receiving means responsive to current coded at any one of a plurality of different code rates corresponding to different traffic conditions for energizing a plurality of decoding relays at a particular combination for each of said traffic conditions, the combination comprising, a special cut-out decoding relay coupled to said receiving means for effective energization in response to current coded at a code rate different from said plurality of code rates, a stick circuit including a back contact of each of said plurality of decoding relays to energize said cut-out decoding relay, a special cut-out cab signal, and an



operating circuit including a front contact of said cut-out decoding relay to operate said cut-out cab signal.

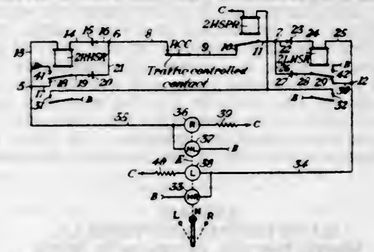
2,235,038
ELECTROMAGNETIC RELAY
Owen Avis Pearce, Barnston, and John St. Clare William Graham, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application May 25, 1938, Serial No. 209,904
In Great Britain June 16, 1937
3 Claims. (Cl. 200—105)



1. A circuit controller comprising a motor, a stepping device operated by the motor, a series of cams rotated by said stepping mechanism, contact springs operated at intervals by certain of said cams, a pair of said cams moving at different speeds, a cam follower for each of said last cams, and a set of spring contacts operated jointly by said cam followers as long as either of said followers is in operated position.

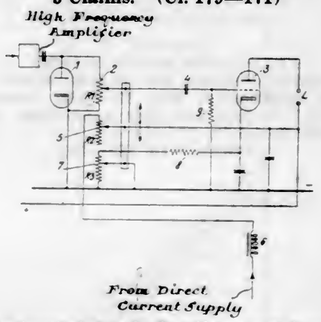
2,235,039
SIGNALING SYSTEM
John M. Pelikan, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 3, 1938, Serial No. 243,807
4 Claims. (Cl. 175—320)

1. In combination, an intermediate circuit network, a first end circuit connected with one end of said intermediate circuit network and a second end circuit connected with the other end of said intermediate circuit network, a first and a second control relay interposed in said first and said second end circuit respectively, a first circuit path for each end circuit including the winding of its respective control relay and an asymmetrical unit arranged to permit only current of normal polarity to flow in said first path of said first end circuit and current of reverse polarity to flow in said first path of said second end circuit, a second circuit path for each end circuit for shunting the first circuit path of the associated end circuit and each second circuit path including a back contact of its respective control relay and an asymmetrical unit arranged to permit only current of reverse polarity to flow in said second path of said first end circuit and current of normal polarity to flow in said second path of said second end circuit, a source of current, a control lever having a



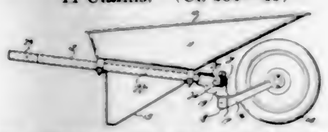
neutral and a normal and a reverse position, circuit means controlled by said control lever for connecting said source of current with said end circuits for supplying said circuits with current of normal or reverse polarity whereby said first or said second control relay is picked up according as said lever is in its normal or reverse position, a repeater relay for both said control relays having a back contact interposed in said intermediate circuit network, and circuit means governed by each of said control relays when picked up for maintaining such control relay picked up until said lever is restored to its neutral position.

2,235,040
RADIO RECEIVING DEVICE
Hans Penner, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany
Application August 24, 1938, Serial No. 226,456
In Germany August 28, 1937
3 Claims. (Cl. 179—171)



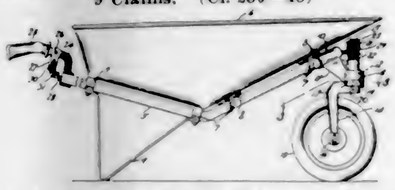
1. A circuit for reducing the current consumption of volume control amplifiers such as radio broadcast receivers upon adjustment for decreasing the useful output, comprising a final voltage amplifier stage having a grid and plate, control means for adjusting the useful output of said stage, and a device mechanically coupled to said control means for concurrently regulating the grid bias and plate potentials of said stage with said control means to correspondingly control the current consumed by the amplifier.

2,235,041
MANUALLY PROPELLED VEHICLE
Adolph Ronning, Minneapolis, Minn.
Application May 21, 1938, Serial No. 209,283
11 Claims. (Cl. 280—48)



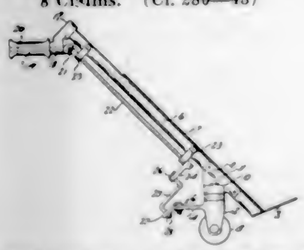
1. In a wheelbarrow type of vehicle, a dirigible wheel, handles extended rigidly from the vehicle for lifting and propelling the same, hand grip members rotatably mounted on the ends of the handles, steering mechanism for oscillating the wheel in a horizontal plane and thereby steering the vehicle, and movable steering members connected between the hand grip members and the steering mechanism for actuating the latter responsive to movement of the hand grip members.

2,235,042
HAND PROPELLED VEHICLE
Adolph Ronning, Minneapolis, Minn.
Application March 14, 1940, Serial No. 323,988
9 Claims. (Cl. 280—48)



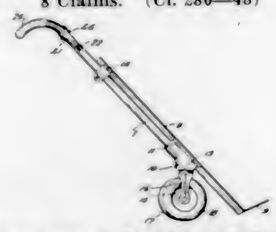
1. A hand propelled vehicle, comprising a frame forwardly supported by at least one wheel mounted for steering movements, a pair of supporting and propelling handles extending rearwardly from the frame for supporting and propelling the vehicle and pivotally connected thereto for up and down swinging movements while supporting and propelling the vehicle, and means operated by swinging movement of the handles for steering the wheel.

2,235,043
STEERABLE HAND TRUCK
Adolph Ronning, Minneapolis, Minn.
Original application May 21, 1938, Serial No. 209,283. Divided and this application March 14, 1940, Serial No. 323,989
8 Claims. (Cl. 280—48)



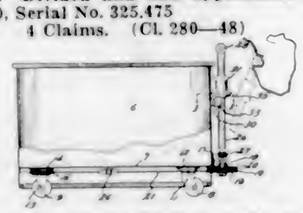
1. A hand truck comprising an inclined frame, a pair of transversely spaced wheels mounted for steering movement about generally upright axes at the forward lower end of said frame, load carrying means on the frame in position to normally support the truck load in substantially balanced position on the wheels, handles extending generally horizontally and rearwardly from the rear upper end of the frame whereby an operator by grasping said handles may propel the truck while balancing the load on the wheels, and means operative upon manipulation of the handles to angle the wheels about their said axes to steer the truck.

2,235,044
STEERABLE HAND TRUCK
Adolph Ronning, Minneapolis, Minn.
Original application May 21, 1938, Serial No. 209,283. Divided and this application March 22, 1940, Serial No. 325,474
8 Claims. (Cl. 280—48)



1. A hand propelled vehicle comprising a frame supported forwardly by two wheels, one of the wheels being mounted for castering action and the other for steering movements about an upright axis, handles extending rearwardly from the frame for supporting and propelling the same, one of the handles being movably mounted, and means operable by movement of the handle for steering the wheel.

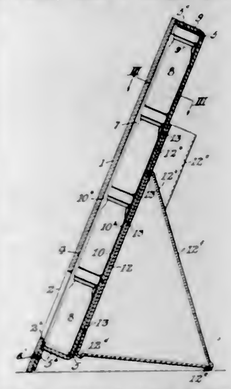
2,235,045
MANUALLY PROPELLED VEHICLE
Adolph Ronning, Minneapolis, Minn.
Original application May 21, 1938, Serial No. 209,283. Divided and this application March 22, 1940, Serial No. 325,475
4 Claims. (Cl. 280—48)



1. A hand propelled vehicle comprising, a body supported by a plurality of caster wheels and a single dirigibly mounted wheel, a sheave connected with said dirigible wheel and movable therewith about an upright steering axis, a sheave journaled on the body in spaced relation to said dirigible wheel, a cable trained around the sheaves, and a handle connected to the last mounted sheave for propelling the vehicle and for rotating the sheaves to steer the said dirigible wheel

2,235,046
ADVERTISING DISPLAY RACK
Edwin M. Rosenbluth, Wallingford, Pa.; Stella S. Rosenbluth executrix of Edwin M. Rosenbluth, deceased
Application June 13, 1938, Serial No. 213,471
2 Claims. (Cl. 312—45)

1. In an advertising display, storage, and dispensing device, forming a rectangular box for inclosing and concealing a plurality of vertically positioned bottles, in three separate vertical series, and displaying only the lowest bottle in each series; a single piece of rigid sheet material forming a plane panel, having a display opening extending therethrough opposite the lowest bottles in said three series; but of less vertical extent than said bottles; the bottom margin of said opening extending upwardly in front of the displayed bottles and forming a ledge preventing accidental withdrawal of any bottle; a resiliently flexible flap forming the upper margin of said opening and normally extending substantially parallel with the plane of said panel, pendent over and outside of the tops of all of the bottles displayed and normally retaining them entirely back of said panel; a single piece of flexible sheet material having opposite side margins parallel with and fixed entirely upon the back of said panel, bent intermediate of said margins to form a single rectangular container for said three series of bottles; and a single piece of flexible

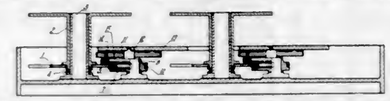


sheet material creased and folded to channel form, fitted in central vertical position in said container, with its opposite flanged edges extending forwardly at right angles to its intermediate portion and to said panel, intermediate of the width of said display opening, and forming three separate vertically extending compartments in said container, entirely behind said panel, respectively for the three series of bottles; whereby, the bottles in each of said three series are disposed to separately gravitate toward the bottom of the container inclosure behind said ledge and flap, which normally prevent accidental removal of any bottle, but, each of said bottles when displayed at said opening may be removed singly, by lifting it, with the superimposed other bottles of its series in the compartment for that series, until the bottom of the lowest lifted bottle is above the top edge of said ledge, and then inclining said bottle outwardly at the bottom thereof, and withdrawing it by flexing said flap from its normal position, in which it normally prevents withdrawal of any bottle.

2,235,047
ADJUSTABLE GENEVA MECHANISM
Theodore H. Sloan, Charleroi, Pa., assignor to G. M. S. Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1938, Serial No. 232,643
Renewed December 30, 1939
5 Claims. (Cl. 74—436)

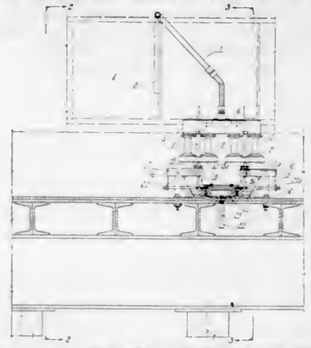
1. An adjustable Geneva drive comprising a wheel having indexing slots and concave dwell

recesses, a driver for said Geneva wheel comprising a drive arm having a roller for engagement with the slots of said wheel and having a convex lobe for engagement with the concave faces of said wheel, actuating means for said arm comprising a bull wheel having sliding engage-



ment with said arm, said bull wheel being driven at a constant speed, and means for adjusting the off-center position of the bull wheel and drive arm axes to vary the indexing speed of said Geneva wheel without disengaging the bull wheel and drive arm connection.

2,235,048
COVER SWITCH
Howard F. Spencer, Pittsburgh, Pa., assignor to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 13, 1939, Serial No. 278,868
4 Claims. (Cl. 200—54)

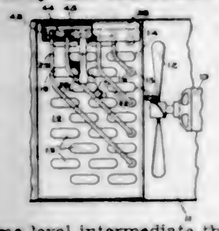


1. A cover switch for pit furnaces or the like comprising a switch base having a pair of terminal arms pivotally mounted thereon, spring means normally biasing said arms to an upward position, terminals mounted on said arms, each having a top contact and a depending finger contact, a switch element movable with the cover having terminals for engagement with the top contacts of said arm terminals and stationary terminals on said base for engagement by the finger contacts of said arm terminals, said terminals being subjected to a wiping contact in the circuit making and breaking movements of the switch parts.

2,235,049
COOLING APPARATUS
Frank P. Taugher, Clayton, Mo., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 29, 1935, Serial No. 24,001
8 Claims. (Cl. 62—126)

1. In refrigerating apparatus, the combination of an evaporator, a compressor for withdrawing vaporized refrigerant from the evaporator and compressing the same, means for condensing the compressed refrigerant, expansion valve means for reducing the pressure of the condensed refrigerant and discharging the same in the form of a mixture of liquid and vapor, said evaporator

comprising a refrigerant supply header receiving said mixture and a plurality of evaporator passages, the inlet ends of said evaporator passages opening upwardly into said header at substantially the same level intermediate the upper and lower extremities of the interior thereof, whereby said passages receive liquid refrigerant substantially in desired predetermined proportions.

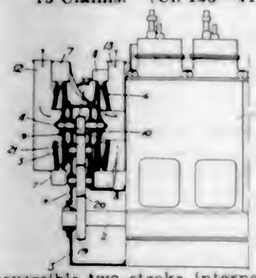


2,235,050

REVERSIBLE TWO-STROKE INTERNAL COMBUSTION ENGINE

Edvin Ossian Parcival Thege and Olof Verner Fixén, Stockholm, Sweden, assignors to Aktiebolaget Atlas-Diesel, Stockholm, Sweden

Application July 17, 1939, Serial No. 284,824
In Sweden November 29, 1938
13 Claims. (Cl. 123—41)



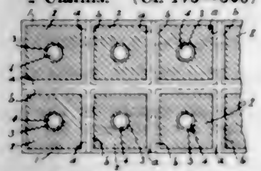
1. A reversible two-stroke internal combustion engine and a scavenging pump of the centrifugal compressor type driven by said engine, said pump comprising two centrifugal compressors, the one being arranged to be active in the one direction of running of the engine and the second in the opposite direction of running.

2,235,051

MANUFACTURE OF SELENIUM AND LIKE RECTIFIERS

Leslie Ernest Thompson, King's Cross, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 31, 1940, Serial No. 316,608
In Great Britain May 26, 1939
2 Claims. (Cl. 175—366)



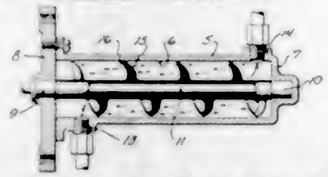
1. A process for the manufacture of selenium or like rectifiers of the kind described, in which a base or support of sufficient size to provide a relatively large number of rectifier elements is arranged to be coated as a whole with the required layer of selenium or the like, and subjected to annealing or other treatment, the coated surface of the support being then coated with a contact metal or alloy over isolated areas each corresponding to a single rectifier element, the remaining portions of the area of the selenium coating being protected by means of a suitable mask during the application of the metal coating and the coated base thus formed being finally sub-divided by cutting or otherwise at the portions of the selenium coating thus protected, for the purpose specified.

2,235,052

FUEL PUMP FOR INTERNAL COMBUSTION ENGINES

Paul W. Trier, Detroit, Mich., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application June 9, 1939, Serial No. 278,186
2 Claims. (Cl. 103—89)



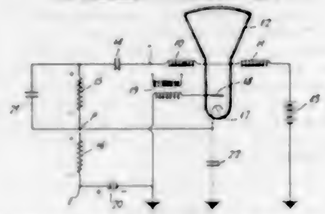
1. A pump comprising: a body having a bore provided with longitudinally spaced inlet and outlet openings; and a rubber screw rotatable in the bore and having a convolution of a diameter such that its periphery is normally held in fluid tight engagement with the wall of the bore so as to propel liquids from the inlet to the outlet upon rotation of the screw in one direction in said bore, the thickness of said convolution being substantially less than its height whereby the convolution is rendered flexible to permit flexure thereof out of engagement with the wall of the bore whenever back pressure in the pump body exceeds a predetermined value.

2,235,053

CATHODE RAY CONTROL APPARATUS

Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 24, 1937, Serial No. 155,398
In Germany August 12, 1936
5 Claims. (Cl. 250—27)



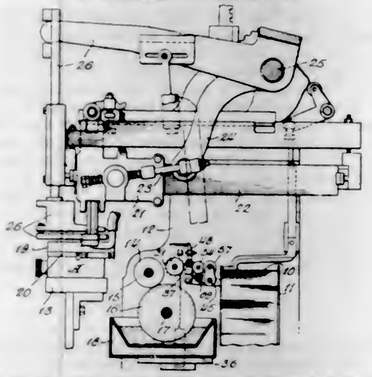
1. A return line elimination system for cathode ray tubes comprising a cathode ray tube including modulating and cathode electrodes, said latter electrode having a definite capacity with respect to a reference section, deflecting means for said tube, a series electrical circuit comprising said deflecting means and a potentiometer, said potentiometer being electrically connected to said reference section, means connecting the modulating electrode of said tube to said potentiometer and said reference section, means connecting the cathode of the cathode ray tube to a point on said potentiometer and a condenser shunted across the portion of said potentiometer external to the portion thereof connected in the modulating electrode-cathode circuit of said cathode ray tube to substantially compensate for the capacity of the cathode with respect to the reference section.

2,235,054

PRINTING MEANS FOR LABELING MACHINES AND THE LIKE

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application February 17, 1940, Serial No. 319,372
19 Claims. (Cl. 216—2)



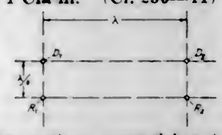
18. In a labeling machine including a label applying station and means for carrying a label to said label applying station, that improvement which comprises a rotatable printing member carrying type for producing an imprint on the label carried by said carrying means, and means for rotatively actuating said printing member to shift said type to imprinting position to produce said imprint on said label prior to its arrival at said label applying station.

2,235,055

ANTENNA SYSTEM

Rudolf von Ottenthal, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application November 9, 1939, Serial No. 303,509
In Germany November 9, 1938
1 Claim. (Cl. 250—11)



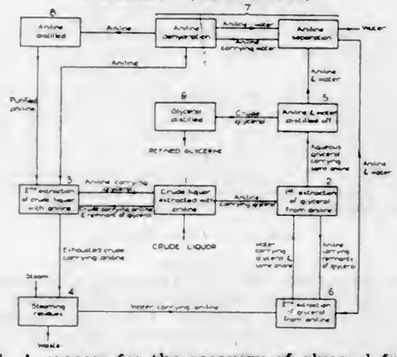
An antenna system comprising two radiating dipoles spaced apart from one another at a distance equal to one operating wavelength, a reflector behind each of the said dipoles at a distance of one-quarter of an operating wavelength therefrom, and means for energizing the said dipoles by currents of opposite phase and different magnitude for producing a radiation pattern having two lateral regions of higher field intensity and an intermediate re-entrant portion of lower field intensity.

2,235,056

PROCESS FOR THE RECOVERY OF GLYCEROL FROM STILL RESIDUES FROM FERMENTATION PROCESSES

Robert Alan Walmesley, Ardrossan, Scotland, assignor to Imperial Chemical Industries, Limited, a corporation of Great Britain

Application March 4, 1939, Serial No. 259,807
In Great Britain March 4, 1938
5 Claims. (Cl. 260—637)



1. A process for the recovery of glycerol from still residues which comprises the step of extracting the glycerol-containing liquor with a solvent selected from the group consisting of aniline, the toluidines, and quinoline, and recovering the dissolved glycerol by treating with cold water.

5. The process for the recovery of glycerol from still residues which comprises extracting the glycerol-containing liquor with a cold water-immiscible primary aromatic amine.

2,235,057

PROCESS FOR THE RECOVERY OF GLYCEROL FROM STILL RESIDUES FROM FERMENTATION PROCESSES

Robert Alan Walmesley, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 14, 1939, Serial No. 261,856. In Great Britain March 23, 1938
1 Claim. (Cl. 260—637)

A process for the recovery of glycerol from still residues and from the impurities contained therein, which comprises the step of extracting a glycerol-containing liquor having a water content of less than 30% with a water-miscible nitrogen-containing base of the class which consists of pyridine and water-miscible pyridine bases, mixing with the solution of glycerol in said base a water-insoluble nitrogenous aromatic base, distilling said water-miscible base therefrom and extracting the glycerol solution with water.

2,235,058

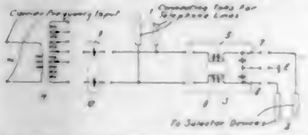
CARRIER FREQUENCY COMMUNICATION SYSTEM

Alfred Wiessner, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application August 4, 1938, Serial No. 223,019
In Germany August 4, 1937
2 Claims. (Cl. 179—2.5)

1. In a telephone system means for interconnecting a plurality of subscriber lines for communication by carrier frequency currents and voice frequency currents comprising, a terminal strip comprising a subscriber line connecting tabs,

exchange equipment tabs, and carrier input means permanently mounted on said terminal strip, removable high pass filter means and low pass filter means mounted on said terminal strip to interconnect respectively said carrier input means and said subscriber line, and said exchange equipment tabs and said subscriber line, and



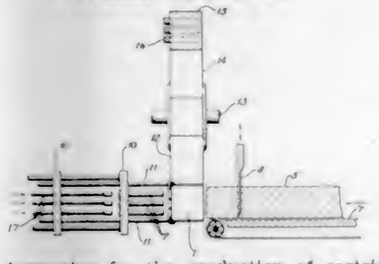
means holding said permanently mounted elements all in fixed relation and provided with connections whereby insertion of said high pass filter will complete a circuit for said carrier frequency to said subscriber line, and insertion of said low pass filter will complete a connection for said exchange tabs to said subscriber line.

2,235,059

CARTRIDGING OF GELATINOUS AND SEMI-GELATINOUS BLASTING EXPLOSIVES

Vernon Harcourt Williams, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application April 28, 1938, Serial No. 204,890
In Great Britain May 3, 1937
8 Claims. (Cl. 86—20)



1. Apparatus for the production of cartridge lengths of gelatinous explosive, which comprises a framework defining a cell adapted to be filled with gelatinous explosive, closed on all sides, except two opposing sides, by walls fixed with respect to each other; and having on one of the two opposing sides a movable wall, and having on the other opposing side at least one tubular cutter adapted to be forced through said framework until it impinges on the movable wall, and a template adapted to prevent extrusion of the explosive from said framework under the pressure of said tubular cutter.

2,235,060

MANUFACTURE OF EXPLOSIVE COMPOSITIONS OR BLASTING CHARGES

Vernon Harcourt Williams, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 21, 1939, Serial No. 310,439. In Great Britain December 22, 1938
6 Claims. (Cl. 52—14)

1. A method for producing a low density blasting explosive free from self-explosive sensitizers, which comprises incorporating ammonium nitrate in the presence of water with a low density carbonaceous material having in the undisintegrated state a bulk density not exceeding 0.25 grams/cc., drying the resultant mixture to a moisture content not exceeding 2%, and granulating to such fineness that all the particles pass through a 6-mesh screen and at least 50% are held on a 16-mesh screen.

2,235,061

LAWN MOWER CUTTER BAR

Clarence E. Wise, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey

Application January 2, 1940, Serial No. 312,042
2 Claims. (Cl. 56—294)



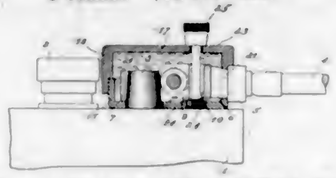
1. A cutter bar for lawn mowers comprising, a single piece of rolled or drawn steel, which is relatively long, wide, thin and comparatively flat on its upper surface, one edge being turned up into a cutting edge with the opposite trailing edge abruptly thickened to provide a reinforcing rib on its lower surface, said bar being also thickened at about its transverse center of gravity to provide on its lower face a reinforcing rib projecting beyond the opposite ends of the bar in the form of cylindrical lugs for rotatably mounting the bar, said bar being of diminished and substantially uniform thickness between said ribs, and gradually diminishing in thickness from the thickened intermediate rib to said cutting edge.

2,235,062

HOUSING FOR BATTERY TERMINAL CLAMPS

Alfred W. Bak, Rochester, N. Y.

Application July 29, 1940, Serial No. 348,094
3 Claims. (Cl. 173—259)



1. The combination with a battery terminal and the liquid opening cap of said battery to permit filling the battery with water and located in relatively close proximity to said terminal, of a clamp including a base at its outer end and a circular-like collar at its inner end engaging said terminal, the inner end of the collar being positioned between said terminal and liquid opening cap and the clamp including opposite side walls located between said collar and said base spaced one from the other and connected to said collar, one of said side walls being movable toward and from the other, fastening means extending through said side walls at a point between said collar and the outer end of the clamp, a housing consisting of a lower section having a bottom wall underlying said clamp and having an opening surrounding the terminal, and a vertical wall with a recess in its outer end embracing the outer end of the clamp, and an integral upper section having a top wall and a vertical wall that telescopes over the outer surface of and surrounds the upper portion of the vertical wall of the lower section, said housing being rectangular at its outer end and of circular formation at its inner end where it extends around the

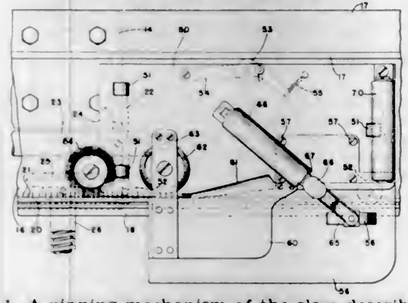
circular-like collar, said upper section having a recess in its vertical wall at the outer end embracing the outer end of the clamp, and means for limiting the relative telescoping movement of the sections.

2,235,063

TEXTILE PRINTING FRAME

Ralph E. Bitner, New York, N. Y.

Application May 29, 1940, Serial No. 337,954
8 Claims. (Cl. 101—114)



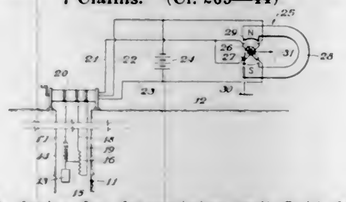
1. A pinning mechanism of the class described for securing the selvage of a length of textile fabric to a plurality of pins set in a horizontal bar, said mechanism comprising a slidable base plate arranged for manual movement, an aligning means for positioning the edge of said fabric in correct pinning register, a folding guide plate for turning said fabric over to engage said pins, a resilient roller cooperating with said guide plate for folding said fabric, and a plurality of impaling wheels for successively forcing the selvage of said fabric along the shafts of said pins.

2,235,064

DETERMINATION OF DENSITIES OF FLUIDS IN WELLS

Raymond T. Cloud, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application July 16, 1938, Serial No. 219,617
7 Claims. (Cl. 265—44)



1. A device for determining well fluid density which comprises a weight suspended in said well fluid, a spring opposing the force exerted by gravity on said weight, means responsive to the position of said weight under the influence of gravity, means for raising and lowering the foregoing elements within a well and means associated with said responsive means for forming an indication corresponding to the position of said weight.

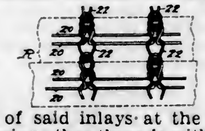
2,235,065

KNITTED PADDING

Frank J. Ford, Worcester, Mass.

Application October 12, 1939, Serial No. 299,168
3 Claims. (Cl. 66—193)

1. A knitted padding comprising a succession of rope inlays, and a plurality of knitting threads interlaced with each other to confine said rope inlays and to definitely limit the stretch of the fabric, both longitudinally and transversely of said inlays, certain of said threads extending



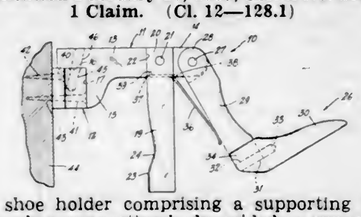
longitudinally of said inlays at the face of the fabric and crossing other threads with which they are interlooped, and certain of said latter threads forming chains extending transversely of said inlays at the back of said fabric.

2,235,066

SHOE HOLDER

George F. Frazee, University City, Mo.

Application February 17, 1939, Serial No. 256,885
1 Claim. (Cl. 12—128.1)



A shoe holder comprising a supporting block and a shoe-supporting body, said shoe-supporting body including a horizontally disposed member removably connected to the block, said horizontally disposed member having the end remote from the block reduced to provide oppositely disposed shoulders, a heel member fixed to the reduced end of the horizontally disposed member by a single pin, said heel member having a bifurcated end embracing a portion of the reduced portion of the horizontally disposed member and abutting the said shoulders, a toe member pivotally connected to said horizontally disposed member, and a heavy flat spring connected to said heel member and yieldingly maintaining said toe member in divergent relation to said heel member.

2,235,067

LIQUID AMMONIUM ACETATE

Alexander M. Georgiev, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application November 12, 1938, Serial No. 240,205
14 Claims. (Cl. 260—541)

1. The method of rendering ammonium acetate suitable as an ingredient in an electrolyte for electrolytic condensers, comprising the steps in combination, heating in a closed vessel a batch of the compound in the crystalline form to well above the melting point, thence gradually and slowly cooling the liquefied mass in the closed vessel to room temperature.

8. A chemical reagent consisting of stable anhydrous liquid ammonium acetate.

2,235,068

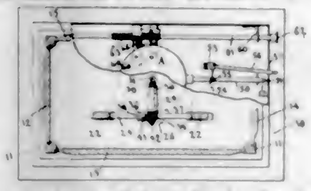
MANTEL CLOCK

Girard Gerritsma, Malden, Mass.

Application June 20, 1940, Serial No. 341,483
1 Claim. (Cl. 58—2)

In a clock including a dial, a chambered base, a clock movement mounted therein in a plane

normal to the plane of the face of the dial, an extension of the minute hand shaft of the movement, and a countershaft geared thereto and having a minute hand rigid with the end thereof, said minute hand being rotatable in a plane parallel with the face of the dial; an hour hand rotatably mounted on said countershaft; and reduction gearing between the minute hand and the hour hand, to rotate the latter in relation



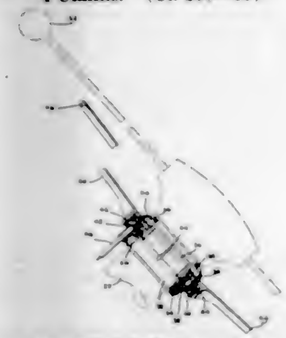
to the minute hand to indicate the hour and minute, in combination therewith, a pair of pillars upwardly projecting from the base, and on which the dial is supported; another pair of pillars upwardly projecting from the base and on which the countershaft is rotatably supported, and through one of which the said minute hand extension shaft passes and in which it is journaled; the reduction gearing being mounted on the other pillar.

2,235,069

STEERING WHEEL SWITCH

Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 15, 1938, Serial No. 213,773
4 Claims. (Cl. 200—59)



1. A unitary switch to be mounted on a steering assembly of an automobile comprising a mounting collar for attaching the switch to the assembly, a resilient insulating sheath associated with a portion only of said collar, a contact ring normally spaced from said collar and supported in position by said sheath, and an operating member associated with said ring for tilting said ring into contact with said collar against the resilience of said sheath, said collar and said contact ring being electrical connection adapted to be connected to opposite sides of a power source.

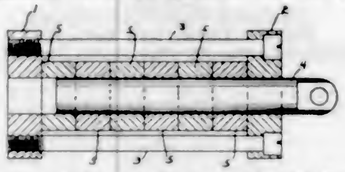
2,235,070

CYLINDER CONSTRUCTION

James B. Giern and Anders P. Anholtt, Detroit, Mich.

Application February 9, 1938, Serial No. 189,595
1 Claim. (Cl. 309—2)

In a reciprocating piston machine, a cylinder composed of a plurality of cylinder bodies with coaxial bores of equal diameter arranged end-to-end with their internal bores in accurate alignment to form an elongated cylinder bore, each cylinder body having a maximum axial length greater than the radius and less than substantially twice the diameter thereof, a pis-



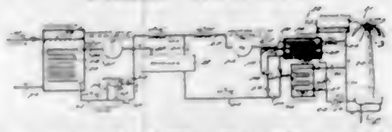
ton reciprocably engaging said elongated cylinder bore, and means for holding said cylinder bodies in end-to-end alignment, the outer longitudinal portions of said cylinder bodies being spaced apart from and out of engagement with said holding means, whereby minor errors in the external surfaces of said cylinder bodies do not affect the internal alignment of said bores.

2,235,071

METHOD AND APPARATUS FOR PRODUCING LOW TEMPERATURES AND FOR FROSTING THE SURFACES OF ARTISTIC CREATIONS

Rafael A. Gonzalez, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application May 24, 1939, Serial No. 275,442
9 Claims. (Cl. 62—115)



1. A system for chilling the surfaces of hollow bodies comprising a brine circulating system including a brine cooler and means for circulating a brine through the interior of the hollow body and said brine cooler; and a refrigerating system for cooling the brine passing through said brine cooler comprising a primary refrigerant compressor-condenser-expander system including a compressor comprising unloading means set to maintain a substantially constant, relatively high suction pressure, and a secondary refrigerant compressor-condenser-expander system connected thereto, of which the condensing means comprises the expanding means of said primary system and of which the expanding means is so constructed and arranged as to chill the brine in said brine circulating system including a compressor comprising unloading means set to maintain a substantially constant, relatively low suction pressure.

2,235,072

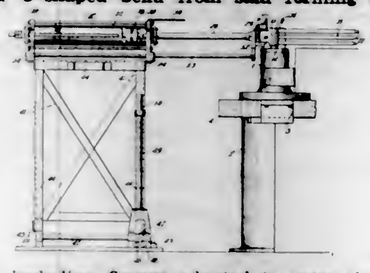
APPARATUS FOR PRODUCING RETURN BEND FITTINGS

Philip L. Irving and Erhart P. Kunkel, Port Huron, Mich., assignors to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan

Application January 2, 1940, Serial No. 311,976
5 Claims. (Cl. 153—2)

1. In a machine of the class described, the combination of a pipe bending mechanism having a forming block and power means for successively bending the end portion of a pipe length around said block to form a U-shaped bend,

means for cutting said U-shaped bend transversely to sever it from the pipe length, and power-actuated ejector mechanism for ejecting said U-shaped bend from said forming block



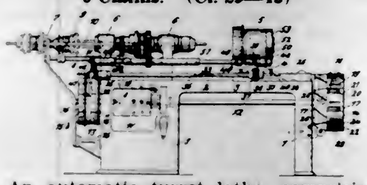
and including fingers adapted to enter the cut and engage the ends of said U-bend, and fluid operated means for actuating said fingers to dislodge the U-bend from the forming block.

2,235,073

AUTOMATIC TURRET LATHE

Erich Leistner, Heidenau in Saxony, Germany

Application December 14, 1938, Serial No. 245,658
In Germany December 18, 1937
6 Claims. (Cl. 29—43)



1. An automatic turret lathe, comprising in combination a main saddle, a cross slide on said saddle, a revolving tool turret on said cross slide, a cam arrangement composed of a drum with easily exchangeable cam sections and cooperating with all the aforesaid elements to automatically control their movements, a longitudinal shaft, a roller carrying lever mounted on said shaft and resiliently pressed against the cam arrangement to impart an oscillating movement to said shaft, a spur wheel longitudinally shiftable on and rotatably connected with said shaft, and a rack projecting laterally from the cross-slide and meshing with said spur wheel to impart a transverse movement to said slide during the oscillation of said shaft.

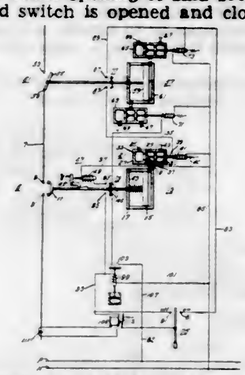
2,235,074

CIRCUIT INTERRUPTER

Fritz Kesselring, Berlin-Frohnau, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 4, 1939, Serial No. 249,244
In Germany January 5, 1938
18 Claims. (Cl. 171—97)

18. In an electrical distribution system, a plurality of buses, a circuit breaker, operating mechanism therefor, connections and a plurality of separate disconnecting switches for selectively connecting said breaker to any one of said buses, an individual operating mechanism for each of said switches, a control system operable to cause opening or closing of said breaker and any one of said switches including means for selecting which of said switches is to be opened or closed in conjunction with said breaker, and means electrically interlocking the mechanisms of said breaker and switches to cause opening of said breaker before the selected switch is opened and closing of the



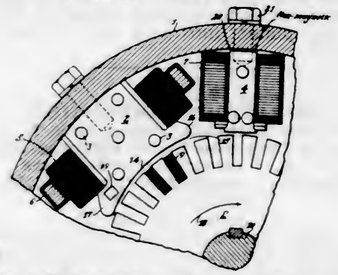
selected switch before said breaker is closed, and for preventing closing of the breaker when more than one of said switches is closed.

2,235,075

GENERATOR AND POWER PLANT THEREFOR

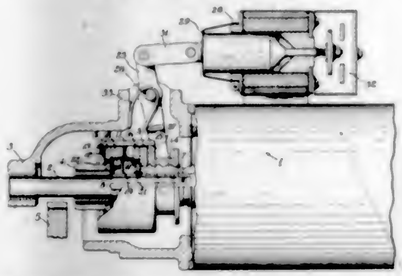
Albert W. Kimball, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 26, 1940, Serial No. 331,745
6 Claims. (Cl. 171—312)



1. A self-regulating direct-current commutator-type generator of a special type having a relatively flat voltage-characteristic from very low loads up to somewhere in the order of 60% of the normal load which it may be called upon to carry, and a voltage-characteristic which is drooping with increased load-current thereafter, said generator comprising a field member comprising a yoke member, a plurality of main pole-pieces and a plurality of interpole-pieces, a rotor member comprising an armature core separated from the main pole-pieces and interpole-pieces by air-gaps, a self-excited shunt coil on each main pole-piece, and a series-connected interpole-coil on each interpole-piece, each main pole-piece having a pole-face with a tapered air-gap, and each main pole-piece having a first pole-face tip in which the armature reaction produces a cumulative magnetomotive force and a second pole-face tip in which the armature reaction produces a differential magnetomotive force, the large end of the tapered air-gap being at the first tip, the first tip being of sufficient cross-section to be substantially unsaturated for small load-currents, and the second tip being of such restricted cross-sections as to be substantially saturated at no-load and at small load-currents.

2,235,076
STARTER GEARING
William L. McGrath, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 24, 1937, Serial No. 181,672
9 Claims. (Cl. 74—6)

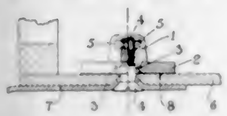


1. In an engine starter, a power shaft, a pinion loosely mounted thereon for movement into and out of engagement with a member of an engine to be started, a threaded member splined to the shaft, means including cam members having axially inclined surfaces forming a cam connection between the threaded member and the pinion, means including a cooperating threaded member for maintaining the inclined surfaces of the cam members in partial engagement and operative upon rotation of the power shaft to compress said cam connection, and means for shifting the threaded member along the shaft to move the pinion into and out of operative position.

2,235,077
REFRACTORY COMPOSITION
John Charles McMullen, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application October 28, 1938, Serial No. 237,583
8 Claims. (Cl. 106—9)

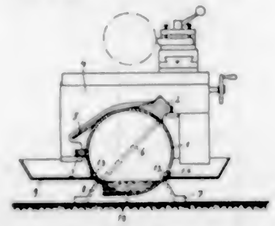
1. A fused cast refractory article composed essentially of magnesium oxide and alumina and a fluoride selected from the group consisting of the fluorides of sodium, potassium, calcium, magnesium, barium and aluminum, in which article the magnesium oxide content is 50–80% and the alumina content is 10 to 45%, said article comprising ½–20% of the selected fluoride.

2,235,078
NUT AND SCREW FASTENING
Josef Meisterhans, Gotha, Germany, assignor to Gothaer Waggonfabrik Aktiengesellschaft, Gotha, Germany, a company of Germany
Application August 21, 1939, Serial No. 291,261
In Germany January 19, 1939
3 Claims. (Cl. 85—32)



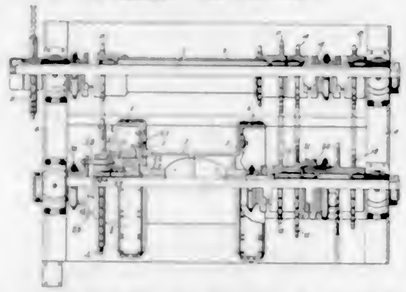
1. The combination, with a screw nut, of a washer of non-metallic material fixed to said nut and adapted to be fastened by means of adhesive to a non-metallic surface.

2,235,079
TURNING LATHE
Walter Möbius, Magdeburg-Neustadt, Germany, assignor to Magdeburger Werkzeugmaschinenfabrik G. m. b. H., Magdeburg-Neustadt, Germany
Application August 10, 1939, Serial No. 289,361
In Germany November 14, 1936
11 Claims. (Cl. 82—32)



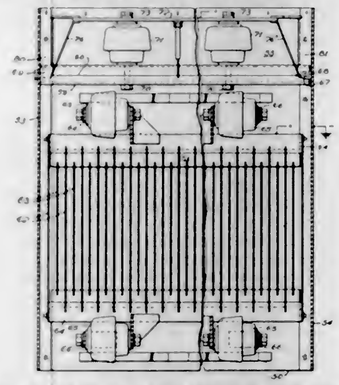
1. The combination, in a turning lathe, of a steel tube body forming the bed of the lathe, with guide means for the slide of the lathe welded directly to predetermined points of said body, said guide means comprising a guide rail disposed at the rear side of the lathe and positioned approximately at a level lying in the horizontal plane passing through the axis of said body, and a front side guide rail disposed at a level higher than that of said rear side guide rail.

2,235,080
DRAWWORK
John S. Morgan, Jr., Manhattan Beach, Calif., assignor, by mesne assignments, to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application December 21, 1935, Serial No. 55,591, now Patent No. 2,161,075, dated June 6, 1939. Divided and this application May 14, 1937, Serial No. 142,594
5 Claims. (Cl. 254—187)



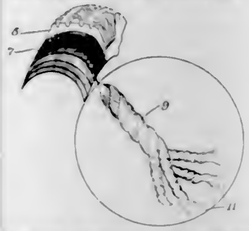
1. In a hoisting mechanism, the combination of a shaft, a drum mounted on the shaft, a transmission drive member rotatably mounted on said shaft, said member having an extension aligned axially of the shaft, clutch means for releasably coupling the transmission drive member to the drum, said clutch means including a clutch ring positioned within said extension, spline means between the outer diameter of the clutch ring and the inner diameter of said extension, means independent of said spline means adapted to slidably support said clutch ring, the drum having an end flange, a complementary clutch ring on said end flange, means including a shifter collar mounted on the shaft to shift the first named clutch ring into driving engagement with the complementary clutch ring, the transmission drive member being interposed between said shifter collar and said end flange.

2,235,081
ELECTRICAL PRECIPITATOR DEVICE
Russell A. Nielsen and George W. Hewitt, Wilkinsburg, and Peter H. Wyckoff, Avalon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1939, Serial No. 308,986
12 Claims. (Cl. 183—7)



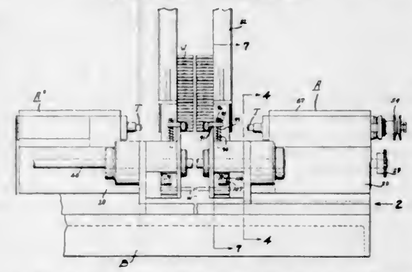
1. In a device of the class described generally having an ionized zone and a precipitating zone successively in the path of a gas-flow for the cleaning of particulate matter from the gas, an outer metallic casing generally rectangular in cross-section transverse to the gas-flow thereby presenting pairs of opposed sides in the direction of gas-flow, ionizing means comprising wire means insulatedly spaced from said casing sides, said wire means comprising ionizing wire portions transverse to the gas-flow paralleling a pair of said opposed sides, and ionizing end wire portions in proximity to the second pair of said opposed sides, said end wire portions being taut and having one directional component in the direction of gas-flow and another perpendicular to the gas-flow but transverse to the first said wire portions.

2,235,082
ARTICLE MADE FROM RAYON
Harold Henry Parker, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 7, 1937, Serial No. 178,531
23 Claims. (Cl. 57—140)



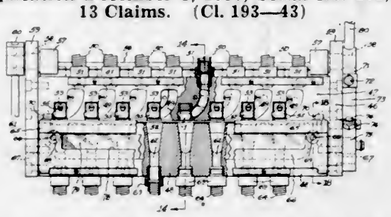
1. A plied cord structure for reinforcing rubber structure comprising strong rayon threads having a denier in excess of 500, constructed by a single plying operation, the singles twist in turns per inch being not less than the cord twist.

2,235,083
MACHINE FOR FINISHING ENDS OF TUBING
Lora E. Poole, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 26, 1939, Serial No. 281,090
10 Claims. (Cl. 82—2)



1. A machine for finishing the ends of tubes rods and similar work pieces comprising rotatable spindles for carrying tools which operate simultaneously upon the ends of the work piece, a magazine for supporting a plurallity of work pieces, plunger means for moving a work piece from the magazine to a position adjacent the tools, cam operated means for moving the plunger step-by-step to said position; means operable during the interval of rest of the plunger for centering the work piece longitudinally between the tools, means for aligning the work piece with the tools and for clamping the work piece in aligned position, and means for moving the spindles simultaneously to move the tools into engagement with the ends of the work piece.

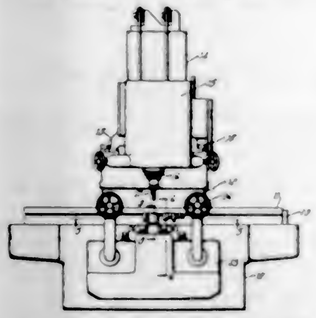
2,235,084
MACHINE FOR ASSEMBLING ROLLER BEARINGS
Herman A. Ortegren and Charles C. Howenstine, Detroit, Mich., assignors to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan
Application December 8, 1937, Serial No. 178,784
13 Claims. (Cl. 193—43)



1. A machine for the purpose described including a roll feeding and distributing head adapted to receive and position a series of rolls with the like ends of said rolls all directed in the same direction, said head including an upper block formed with a series of curved passages opening through the upper side of said block to receive rolls by gravity and opening at their lower ends into transverse openings opening through opposite sides of said block, a lower block formed with vertical slots at each side of said block, movable members extending throughout the length of said lower block in opposed relation to the opposite

sides of said block and said slots therein and spaced therefrom to form a longitudinal slot at each side of said lower block to receive rolls ejected from the ends of said transverse openings in said upper block, means for moving said movable members toward and from opposite sides of said lower block to engage rolls ejected into said slots and suspend said rolls in said slots adjacent their ends of largest diameter whereby all of said rolls so engaged may swing upon their points of contact with said movable members and said lower block with their ends of smallest diameter all directed downwardly, means for feeding said rolls from said openings in the lower side of said upper block, said means comprising a feed bar at one side of said upper block, which feed bar is formed with a series of fingers to project into and through said transverse openings, means for pivotally supporting said feed bar, an arm secured to an end of said feed bar, means for pivotally supporting each of said movable members for engaging said rolls, an arm secured to each of said movable members to move said members toward and from said lower block by the swinging movement of said arm secured to said feed bar, and means for swinging said feed bar on its pivotal support and thereby swinging said members in opposed relation to opposite sides of said lower block, in timed relation to the swinging movement of said feed bar.

2,235,085
MILLING MACHINE TRANSMISSION AND CONTROL MECHANISM
Erwin G. Boehm, Norwood, and Hans Fritschi, Silverton, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application November 15, 1939, Serial No. 304,576
26 Claims. (Cl. 90—21.5)



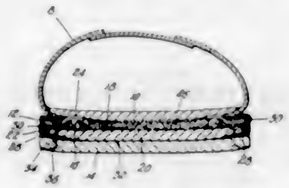
1. In a milling machine having a translatable support, the combination with a transmission for reciprocating said support at variable rates, of a control mechanism for said transmission including duplicate sets of control elements operatively connected for changing the rate of said transmission, trip dogs for sole actuation of each of said control elements, said dogs being selectively positionable on said support in desired cyclic sequence, automatic means for reversing the direction of support movement, and a selector positionable in response to the different positions of said reversing means for alternately connecting power to said control elements whereby a set of control elements will be effective and a set will be ineffective for producing rate changes under dog operation during a given direction of support movement.

2,235,086
REAR PART OF SHOE UPPERS
Arthur L. Russell, Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 16, 1939, Serial No. 256,753
1 Claim. (Cl. 12—146)



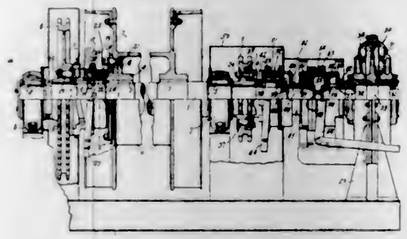
The method of making an assembly of the rear part of the upper of a shoe ready to be attached to an insole, said method comprising providing a molded laminated blank consisting of a counter stiffener, a lining on its inner face and a comparatively soft quarter on its outer face, said blank having a substantially upright wall and an inturned attaching flange, and exerting pressure against the outer face of the laminated flange from its edge to a point adjacent to its junction with the upright wall while supporting the inner face of the flange, the pressure being applied in such manner that the portion of the flange upon which pressure is exerted is compressed so as to decrease its thickness and increase its density and there is left uncompressed and projecting downwardly from the lower edge of the upright wall a bead, the lower part of which consists of the comparatively soft substance of the quarter.

2,235,087
SHOE
John K. Smith, Lawrence, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 28, 1938, Serial No. 221,771
3 Claims. (Cl. 36—17)



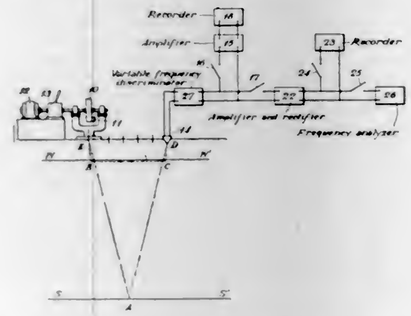
1. A shoe comprising an inner sole, an upper and a welt secured together by inseam stitches, a middle sole having an extension margin underlying said welt, an outer sole, a binding strip covering the upper face and outer edge of the welt and the edge of the middle sole and extending between the middle sole and the outer sole, and outseam stitches securing together the outsole, the middle sole and the welt, said stitches extending through said binding strip in localities above said welt and below said middle sole, the outer sole extending beyond the edge of the middle sole and the outer edge of the welt and the edge of the outer sole being in vertical alinement with the outermost portion of said binding strip.

2,235,088
DRAWWORK
John D. Spalding, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 12, 1940, Serial No. 318,513
7 Claims. (Cl. 192—67)



1. A drum shaft assembly including a drum secured upon a shaft, drive means adapted to rotate said assembly including a driving element rotatably mounted on said shaft, a sleeve element non-rotatably fixed on said assembly, said sleeve element being provided with internal spline means extending axially of and encircling a portion of said shaft, a clutch element operatively positioned between said sleeve element and said driving element and supported independently of either, said clutch element being provided with external spline means adapted to slidably and non-rotatably engage within said internal spline means, cooperating driving jaws on said clutch element and said driving element, and means to shift said clutch element axially of the shaft to bring said jaws into engagement.

2,235,089
MODULATED STEADY STATE REFLECTION SEISMIC SURVEYING
Neil R. Sparks, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application January 14, 1939. Serial No. 250,980
5 Claims. (Cl. 181—0.5)



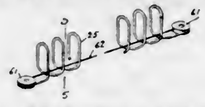
1. A method of seismic surveying comprising generating steady state seismic vibrations in the earth, continuously varying the frequency of these vibrations substantially as a known function of time, receiving reflected waves and relatively direct waves thus generated and determining at least one beat frequency between said relatively direct and said reflected waves.

2,235,090
METHOD OF FORMING RANGE PLATFORM AND BACK SPLASHER STRUCTURES
Ernest H. Stall and Clarence E. Shiplet, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1939, Serial No. 252,930
6 Claims. (Cl. 113—116)



1. The method of producing an angular structure from a single sheet of material which comprises forming oppositely-disposed concave upward scallops in the margin of opposite sides of said sheet and bending down the rest of said margin to form a flange along the sides of said sheet except where said scallops are formed therein, bending the sheet along the line joining the apices of oppositely-disposed concave upward scallops, said line extending substantially normal to the lines along which said margin is bent down, and bending the portion of the margin having the scallops so as to be in line with the flange formed by bending down the margin around the sheet.

2,235,091
HEATING UNIT FOR ELECTRICAL COOKING DEVICES
Samuel S. Vineberg, Buffalo, N. Y.
Application September 12, 1936, Serial No. 100,507
2 Claims. (Cl. 201—63)

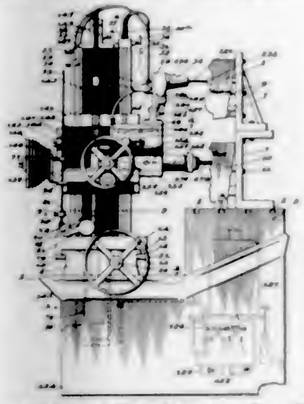


1. A replaceable heating element adapted to be flexed for insertion in an open facial groove of an electric heating unit, comprising as an entirety an open, coreless coil of resistance wire adapted to be flexed upon insertion, and a single, flexible combustible cord in the coil reduceable to ash upon initial heating of the said coil and being anchored only at its opposite ends to the ends of the coil for limiting the maximum distortion of the latter prior to placement in the heating unit, said cord passing unattached through the coil for permitting universal flexing of the coil to conform the latter to a groove in an associated heating unit.

2,235,092
DUPLICATING MACHINE
Edmund Leo Wall, Detroit, Mich., assignor to The Cincinnati Milling Machine Company, a corporation of Ohio
Application September 16, 1938, Serial No. 230,312
26 Claims. (Cl. 90—13.5)

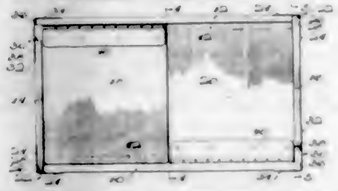
1. A machine of the character described comprising a foundation for supporting a master and a piece of work, a cutter for operating upon the

work, a tracer assemblage having a tracer head for traversing the master, pressure fluid operable means carrying the cutter, means correlated with the tracer assemblage making said carrying means responsive to the master in movements in one plane when the end of the tracer head traverses the upright surface contour of the master and when the cutter is in point contact with the upright surface of the work, and other means rendered responsive to said tracer assemblage by its correlated means in movements in a diverse plane when the side of the tracer head traverses at least one of the margins of the master and when the cutter is in side contact with a corresponding margin of the work and a settable selector valve for determining the reactive effect of the cutter as respects the end and lateral engagements of the master by the tracer.



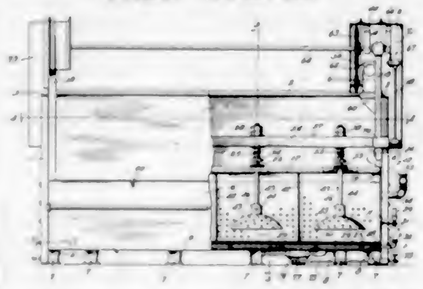
7. A machine of the character described comprising a revoluble cutter, means for supporting the cutter in cutting relationship to the work, said means including a mount, counter-balancing means for the mount including a lead screw, and a nut journalled on the mount being in threaded engagement with the lead screw for adjusting the mount in reference to the lead screw, said nut providing the indirect suspension of the mount from the counter-balancing means and enabling the utilization of the dead weight of the mount to stabilize the cutter at its cutting point.

2,235,093
COLLAPSIBLE BOX
Frank E. Warnick, Omaha, Nebr.
Application April 12, 1940, Serial No. 329,381
2 Claims. (Cl. 217—14)



1. In a collapsible box structure, a pair of opposed side walls, a pair of opposed end walls, means hingedly securing the adjacent edges of said side and end walls together to provide a collapsible rhombohedral open-ended structure, said means including a pair of leaf hinges each having flat leaf sections secured to and occupying positions on the outer surfaces of adjacent side and end walls and substantially coextensive with the height of the extended box structure, and a second pair of leaf hinges each having a flat leaf section secured to and occupying a position on the outer surface of one wall of one pair of walls adjacent a vertical edge thereof, and a right angle leaf section the outer portion of which is secured to and occupies a position on the outer surface of the adjacent wall of the other pair adjacent a vertical edge thereof and the inner portion of which extends across said vertical edge in substantial contact therewith, said inner portion serving to space said former vertical edge from said latter adjacent wall, and a bottom section hinged to each wall of said other pair adjacent the lower edge thereof, and being arranged in staggered relationship and being of an extent equal to one-half the area of the entire box bottom, said bottom sections each being movable from positions wherein they are in edge-to-edge engagement and completely spanning said latter pair of walls in the extended structure to positions wherein they are spaced from each other and occupy a common plane in the collapsed structure.

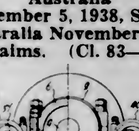
2,235,094
WASHING MACHINE
Walter W. Walker, Hampton, Va.
Application February 15, 1937, Serial No. 125,846
1 Claim. (Cl. 68—122)



In a washing machine, a container having a top wall, bearings carried by the top wall, a rectangular carrier over said container spaced upwardly therefrom and having side bars and end bars, agitators in said container having shanks extending upwardly through the top wall and through the bearings, said shanks having their upper portions slidably passing through the side bars of the carrier, adjustable fasteners carried by protruding ends of the shanks and resting upon upper faces of the side bars of the carrier, abutments carried by the shanks above the bearings, springs about the shanks confined between the abutments and the side bars of the carrier and yieldably resisting upward movement of the shanks through the carrier, and means connected with the end bars of the carrier midway the width of the carrier for imparting vertical reciprocating movement to the carrier and the agitators.

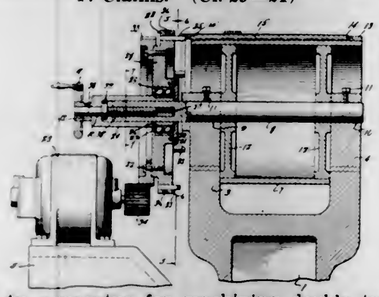
2,235,095
COMBINATION WATCHCASE AND PICTURE HOLDER
William C. Barthman, New York, N. Y.
Application August 1, 1938, Serial No. 222,527
9 Claims. (Cl. 40—156)

4. In a device of the class described, a watchcase, a cover for said watchcase, a hinge for pivotally securing said cover to said watchcase, said hinge comprising a stationary portion secured to said watchcase and a rotatable portion secured to said cover, a cam portion on said stationary portion, spring means on said cover adapted to engage said cam portion and to hold said cover in



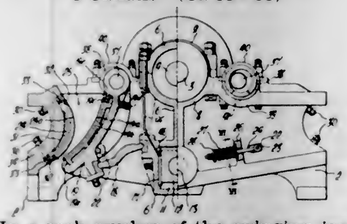
its open position and to prevent its closing when said cover is at more than a predetermined angle to the case and to prevent said cover from accidental opening when said cover is in its closed position.

2,235,096
DOUBLE TRUCK PLATE-MATCHING MACHINE
William E. Becker and Charles S. MacIntosh, Washington, D. C., assignors to Eugene Meyer & Co., Washington, D. C., a partnership composed of Eugene Meyer and Agnes E. Meyer, doing business as The Washington Post
Application February 17, 1937, Serial No. 126,260
17 Claims. (Cl. 29—21)



1. An apparatus for machining double truck printing plates comprising a support for a printing plate, a tool carrier movable toward and away from the printing plate, a plurality of circumferentially spaced cutting members carried by the tool carrier and means to move the tool carrier so that the cutting members move successively into the edge of the plate to form an undercut therein.

2,235,097
ROCK CRUSHER
Albert Thomas Benson, Horsham, Victoria, Australia
Application November 5, 1938, Serial No. 239,122
In Australia November 5, 1937
3 Claims. (Cl. 83—53)



1. In a rock crusher of the swinging jaw type, two stationary jaws facing towards each other, two swinging jaws adapted to co-operate with the respective stationary jaws, a pitman disposed between said swinging jaws, means for operating the pitman to substantially simultaneously move the swinging jaws toward the stationary jaws, toggles extending between opposite sides of said pitman and said swinging jaws, and a stabilizer associated with said pitman to resist out-of-balance thrusts in the event of the swinging jaws not moving precisely simultaneously toward the stationary jaws, said stabilizer comprising a block adapted to oscillate about a fixed axis extending transversely of the pitman adjacent its lower end, said block having straight parallel faces at opposite sides of said axis that make sliding contact with complementary faces that are formed internally of said pitman.

2,235,098
ALIPHATIC SULPHATES AND METHOD OF MAKING SAME
Robert Louis Brandt and John Ross, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application April 1, 1939, Serial No. 265,586
21 Claims. (Cl. 260—458)

1. The process of sulphating aliphatic oxy compounds which comprises treating an aliphatic oxy compound with a sulphating agent, while dissolved in a solvent comprising liquid sulphur dioxide and another low-boiling inert liquid which will form a single phase reaction mixture.

5. The process of sulphating aliphatic cyclic inner ethers which comprises treating an aliphatic saturated cyclic inner ether with a sulphating agent, while dissolved in a solvent comprising liquid sulphur dioxide and another low-boiling inert liquid which will form a single phase reaction mixture.

20. A water-soluble aliphatic sulphate prepared by reacting a 1,2 aliphatic oxirane compound having at least 6 carbon atoms with a sulphating agent.

2,235,099
APPARATUS FOR MINING COAL OR THE LIKE
Otto Cuylen, Bochum, Germany, assignor to Gebr Eickhoff Maschinenfabrik u. Eisengiesserei, Bochum, Germany
Application February 25, 1939, Serial No. 258,514
In Germany February 28, 1938
8 Claims. (Cl. 262—9)

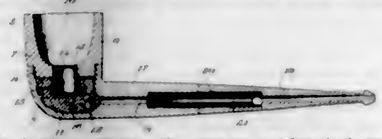


1. In an apparatus of the character described, in combination, a power and cutting unit adapted to move continuously forwardly, undercut apparatus carried thereby, a swinging frame oscillating about a horizontal axis substantially parallel to the cutting unit, a rotatable front wall cutter carried by said swinging frame behind said undercut apparatus and parallel and equal in length thereto, and means for elevating and discharging the material provided by both of said cutting apparatus.

2,235,100
TOBACCO PIPE
George J. Deutsch, Brooklyn, N. Y.
Application January 9, 1939, Serial No. 250,005
1 Claim. (Cl. 131—205)

A tobacco pipe comprising, a bowl having upper and lower detachable sections, each section hav-

ing an open top wall and closed bottom wall, the bottom wall of the upper section having an opening formed substantially centrally thereof, a hollow metallic tube-like member frictionally held within said opening and projecting within said lower section, the upper and lower ends of said member having perforations communicating



with both sections, the upper perforated end of said member lying substantially flush with the bottom wall of said upper section, and an absorbent material carried within said lower section and surrounding the lower portion of said tube-like member for filtering smoke passing through said member and said material.

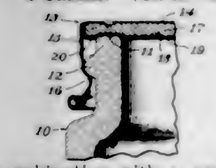
2,235,101

VENTING MEANS FOR SEALED CONTAINERS

Edward M. Enkur, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application May 29, 1939, Serial No. 276,479

2 Claims. (Cl. 51—56)



1. The combination with a container and closure, the container having a mouth defined by a top circumferential lip and the closure having a gasket overlying said lip, the container and closure having interengaging means whereby the closure is held on the container with the gasket in compressed condition, of a disc of relatively uncompressible material interposed between the gasket and the container lip and provided with a minute channel crossing from the inside to the outside of the lip, said channel serving to vent abnormal pressures within the container.

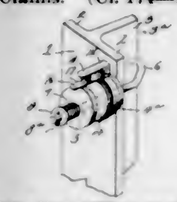
2,235,102

INSULATOR

Charles M. Fleener, Hammond, Ill.

Application April 24, 1939, Serial No. 269,773

2 Claims. (Cl. 174—163)



1. The combination with a spool type insulator, a support for said insulator, said support having right angularly disposed flanges, of means for attaching said insulator to said support in face engagement with one flange thereof, said means comprising a shaft extending through the insulator and through an aperture in said one flange of the support, said shaft terminating at one end in a hooked member hooked over the outer edge of the other flange of the support, a headed member carried by the other end of the shaft and an expansion spring interposed between the headed member and the insulator and forcing the insulator into engagement with the flange of the support and maintaining the hooked end of the shaft in engagement with the outer edge of the flange over which it is hooked.

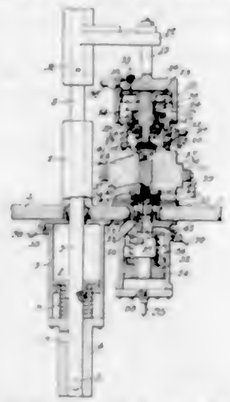
2,235,103

GLASS BOTTLE MACHINE

Charles B. Garwood, Linthicum Heights, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.

Application March 22, 1938, Serial No. 197,516

2 Claims. (Cl. 49—18)



1. In a glass machine a mold having a cavity with a feed opening at one end, and a head mounted for movement onto the mold and into position about the opening, said head including a cylinder, a ring fixed in one end of the cylinder, a cylindrical extension on the ring, a piston in the cylinder, a stem extending therefrom and slidable in the ring, a baffle plate carried by the stem, yielding means within the cylinder for normally supporting the piston and holding the baffle plate normally outside the cavity and away from the feed opening, means for directing air under pressure into the extension and through the feed opening to effect a settle blow within the mold, and means for directing air under pressure into the cylinder and against the piston, said piston, when actuated constituting means for moving the baffle in the direction of air flow into the feed opening, said head having an exhaust port, there being a port extending through the ring, and a valve movable with the stem and in the extension, said valve being held by the stem normally in port-closing position against the ring.

2,235,104

INDUCTOR TYPE ELECTRIC RELAY

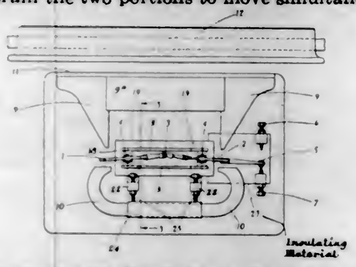
Henry Greenly, Hounslow, England, assignor to Greenly Engineering Models Limited, Heston-Hounslow, Middlesex, England, a British company

Application March 12, 1938, Serial No. 195,633

In Great Britain April 30, 1937

5 Claims. (Cl. 200—98)

1. An electric relay of the type specified comprising, in combination, an armature consisting of two portions each made from magnetic material, a pivotal mounting for each portion disposed intermediate the length of the same so that the portions are in balance with each other, a jointed coupling attached to the inner ends of said armature portions for maintaining said portions substantially in alignment and serving to constrain the two portions to move simultaneous-



ly but in opposite directions, and a magnet situated in proximity to the armature portions so as normally to hold the armature portions in the attracted position and arranged so that the attraction on the armature portions may be broken by a diversion of the magnetic field to permit said armature portions to move away from said magnet.

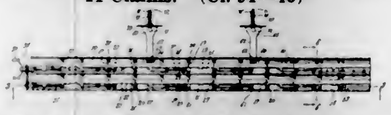
2,235,105

ADJUSTABLE SCREED

Joseph William Heltzel, Warren, Ohio, assignor to Flexible Road Joint Machine Company, Warren, Ohio, a corporation of Ohio

Application May 16, 1939, Serial No. 274,056

11 Claims. (Cl. 94—45)



1. In a screed having a flexible bottom, means for flexing said bottom comprising a cam secured for angular movement to said screed and having a marginal operative portion eccentric to the axis of rotation of the cam and having along said margin a plurality of perforations spaced at variable distances from the center of rotation of the cam, a connection between the flexible screed bottom and said marginal portion of the cam with means to selectively connect said connection to any one of said perforations, and means whereby the cam may be rotated in both directions selectively.

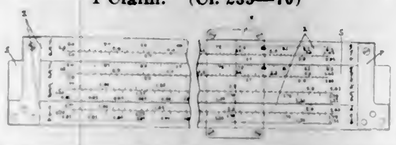
2,235,106

SLIDE RULE

Eimei Hirano, Tokyo, Japan, assignor to The Hemmi Seisakusho Co., Shibuya-ku, Tokyo, Japan

Application April 7, 1938, Serial No. 200,710

1 Claim. (Cl. 235—70)



In a slide rule of the type comprising two parallel fixed bars secured together with space therebetween and a bar slidably inserted into the space between the said fixed bars, a primary group of scales arranged in $n/2$ parallel rows on the face of each of the fixed bars to complete one logarithmic scale unit of numbers from 1 to 10 and being of length L when connected linearly in continuous succession, a secondary group of scales on the reverses of the fixed bars which are similar to the scales of the primary group but are shifted with respect thereto by $L/2n$ and are arranged in $n/2$ parallel rows on each of the fixed bars, a primary and a secondary group of scales arranged on the face and reverse sides of the sliding bar respectively which correspond respectively to the said primary and secondary groups on the fixed bars, the primary group of scales on the sliding bar being adapted and arranged to work in cooperation with the primary group of scales on the fixed bars and the secondary group of scales on the sliding bar being adapted and arranged to work in cooperation with the secondary group on the fixed bars, n being 6 or a multiple of 6.

2,235,107

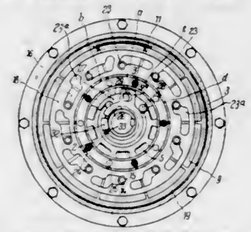
CENTRIFUGAL CLUTCH

Friedrich Kreis, Berlin-Lichterfelde, Germany, assignor to Gesellschaft zur Konstruktion und Verwertung Automatisch-Mechanischer Getriebe m. b. H., Berlin-Oberschoneweide, Germany

Application January 18, 1940, Serial No. 314,535

In Germany January 3, 1939

12 Claims. (Cl. 192—105)



1. In a centrifugal clutch, a series of centrifugal weights movable between engaging and disengaging positions for effecting engagement and disengagement of said clutch, means for locking all of said weights except one in one of said positions against free movement toward the other of said positions, said means being operable upon movement of the unlocked weight toward one of said positions for releasing the next succeeding weight in the series and operable by movement of the so released weight to release the next succeeding weight, whereby each weight following the first in series is held against movement until the preceding weight has moved from one locked position toward the other position.

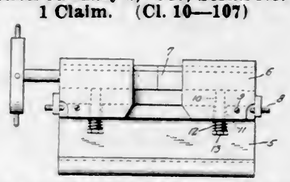
2,235,108

VISE FOR PIPE THREADING MACHINES

Demetrius Matala, Melrose, N. Y.

Application January 2, 1940, Serial No. 312,118

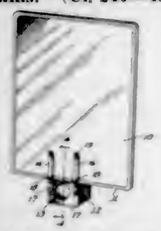
1 Claim. (Cl. 10—107)



In a vise of the class described, a supporting carriage, jaw supports, work holding jaws in said

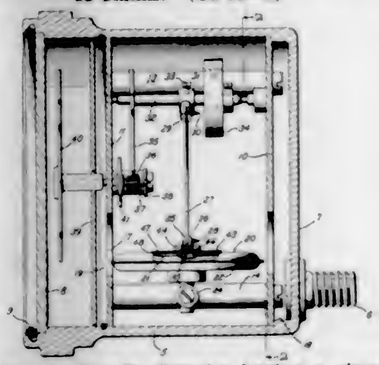
supports, said carriage having openings therein, set screws carried by the jaw supports loosely mounted in said openings, coil springs mounted on said set screws adapted to provide yieldable supports between the carriage and the jaw supports, and independent means for effecting horizontal and vertical adjustment between said jaw supports and the carriage.

2,235,109
MIRROR LIGHT
Willis R. Morey, Arlington, Va.
Application May 31, 1938, Serial No. 211,009
Renewed January 10, 1940
2 Claims. (Cl. 240—4.2)



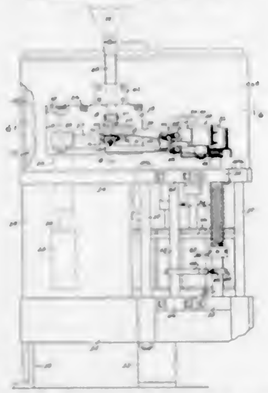
1. A combined flashlight and mirror holder comprising a flashlight case, an opening in one side of the case near one end thereof, a flashlight bulb mounted in the case adjacent the opening so as to project its rays through the opening, a resilient grip attached to the case between the opening and the opposite end of the case for detachably securing a conventional pocket mirror to the flashlight case, said grip being disposed adjacent to the flashlight bulb and extending parallel with said case, said grip opening toward the opposite end of the case from the bulb for securing the mirror at an edge portion to the case adjacent to the bulb so that the mirror extends from the bulb toward the other end of the case, the arrangement being such that the flashlight case forms a backing for the mirror and a handle for manipulating the mirror light.

2,235,110
TEMPERATURE COMPENSATED PRESSURE RESPONSIVE INDICATING INSTRUMENT
Frederick J. Ottley, Bloomfield, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 14, 1937, Serial No. 153,663
13 Claims. (Cl. 73—4)



5. In an aircraft altimeter having a circular expansible aneroid provided with radially spaced corrugations, indicating means, and means connecting said aneroid and said indicating means for actuating the latter upon expansion of the former, the combination with said aneroid of a thermostatic disc attached to the center of said aneroid coaxially therewith and in such a manner that said disc abuts one of the corrugations of said aneroid, and means for adjusting said thermostatic disc with respect to said aneroid.

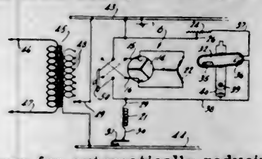
2,235,111
FEEDING MECHANISM
Joseph B. Potoczky, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application March 20, 1939, Serial No. 262,908
5 Claims. (Cl. 18—20)



1. Feeding mechanism for rotary molding machines of the type including an annular series of molds each having an upwardly presented mold cavity, and means for rotating the series of molds about a vertical axis to move the same through a charging zone, said mechanism including a vertical rock-shaft, a charging arm secured to the rock-shaft, a charging plate having a charging opening therein mounted on the charging arm, said plate being movable inwardly with the charging arm from a retracted position to a position wherein the opening therein is in register with a mold cavity at the charging zone, a second arm pivoted to the charging arm medially thereof and movable in unison therewith, a shutter plate mounted on the second arm, means normally urging the second arm to a position wherein the shutter plate underlies and closes the bottom of the opening in the charging plate, means independently limiting the inward movement of each arm, means actuating the rock-shaft in timed relation to movement of the molds through the charging zone, and means for supplying moldable material to the charging opening in the charging plate when the charging arm is in its retracted position.

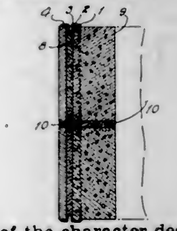
2,235,112
SPEED CONTROL FOR VEHICLES
Sidney S. Pulaski, Milwaukee, Wis.
Application February 7, 1940, Serial No. 317,636
12 Claims. (Cl. 105—61)

1. In a speed control arrangement for vehicles, an electric motor for driving the vehicle, means for controlling the operation of the motor to drive the vehicle at a constant speed as long as the vehicle traverses a straight and level path, and means controlled by centrifugal and gravita-



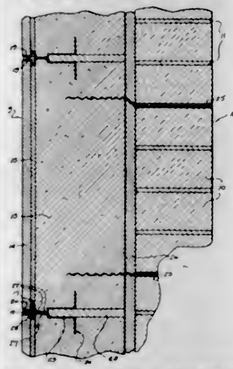
tional forces for automatically reducing the motor speed when the vehicle swerves from a straight path or encounters a down-grade.

2,235,113
FACE BLOCK FOR BUILDINGS AND METHOD OF MAKING SAME
Erle T. Putnam, Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application May 21, 1936, Serial No. 81,064
4 Claims. (Cl. 72—35)



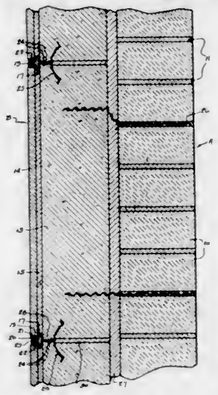
3. A block of the character described, comprising a molded body portion, a face plate covering a surface of the body portion, a series of metal holders embedded in the body portion and having flanges engaging the edges of the face plate for securing said face plate to said body portion, and a channel formed in each metal holder between the back of the face plate and the body portion and spacing said face plate from said body portion.

2,235,114
BUILDING BLOCK
Erle T. Putnam, Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application March 29, 1937, Serial No. 133,601
8 Claims. (Cl. 72—35)



1. A building block of the character described comprising a body portion formed from a plastic material, a face plate covering a surface of the body portion, said body portion having a ledge projecting beyond the edges of the face plate in a plane parallel with the plane of said face plate, and means for securing the face plate to the body portion including a metal frame member arranged at each edge of the block and having a portion engaging the respective edge of said face plate; another portion engaging said body portion; and an intermediate portion covering the outer edge of the ledge on said body portion and providing a load bearing surface for carrying the load of the wall when the blocks are laid up in a wall and for spacing the face plates of vertically adjacent blocks from one another when said blocks are placed one upon the other whereby said face plates do not support any load of the wall.

2,235,115
BUILDING UNIT
Erle T. Putnam, Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application June 11, 1937, Serial No. 147,691
14 Claims. (Cl. 72—18)

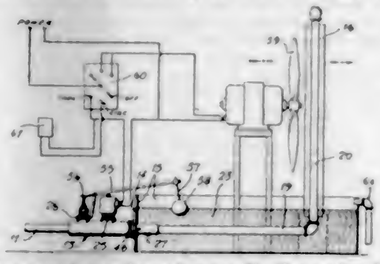


1. A building block of the character described comprising a body portion formed from a plastic material, a face plate covering a surface of the body portion, cushioning strips engaging the edges of the face plate, and fastening means having portions overlapping the forward edges of said strips but spaced from the edges of said face plate and other portions engaging the body portion for securing the face plate to the body portion, said fastening means projecting beyond the edges of the face plate so that when the blocks are laid up in courses in a wall, the said face plates do not support any load, a portion of said fastening means engaging the rear surface of the face plate for spacing the said plate from said body portion.

2,235,116
AIR CONDITIONING APPARATUS
William A. Ray, Glendale, Calif.
Application November 15, 1939, Serial No. 304,456
8 Claims. (Cl. 261—25)

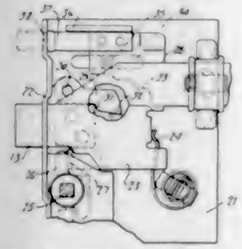
1. In an air conditioning system, in combination, an air moistening member, a conduit connecting said member with a primary supply of water, a reservoir for receiving unevaporated water from said member, and aspirating means in said conduit and operated by water flow there-

through for transmitting water from said reser-



voir to said member along with the water from said primary supply.

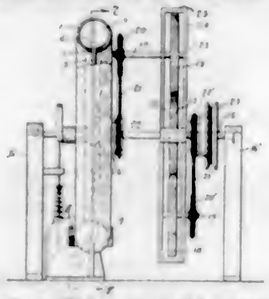
2,235,117
VEHICLE DOOR LATCH STRUCTURE
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio
Application March 29, 1937, Serial No. 133,637
2 Claims. (Cl. 292—164)



1. A vehicle door latch comprising a spring tensioned latch bolt, inside and outside retractors for said latch bolt, said inside retractor including a plate having lost motion relative to said bolt when the latter is in latching position, a dog engageable with said bolt for blocking retracting movement thereof, means on said dog engageable with the bolt upon retraction thereof for moving same out of operative engagement with said bolt, means actuated by said plate for blocking movement of said dog out of operative position relative to said bolt, and means movable with said plate adapted to project from the latch when said dog blocking means is in operative position, and movable inwardly upon slamming of the door for moving said dog blocking means to inoperative position.

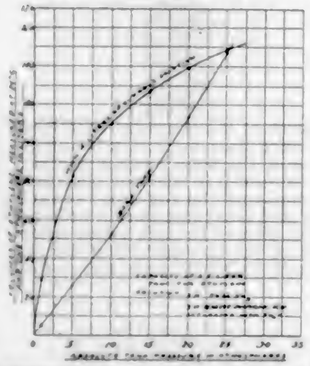
2,235,118
ROTARY AIR MOTOR
August C. Ripke, Austin, Minn.
Application June 2, 1937, Serial No. 146,028
2 Claims. (Cl. 121—78)

1. An air motor comprising an annular, hollow, tube-like stator casing; an open slot at the inner circumferential median thereof; a revolvable disc with its periphery entering said tube through said slot; a cross-head flange on the periphery of said disc inside said tube-like stator casing providing an air seal therefor; a piston carried on said disc and revolvable in said tube-like stator; inlet and outlet ports in said stator; and a swinging abutment therebetween adapted to swing clear to pass said piston, said swinging abutment corresponding in outline with the interior of said tube-like stator casing with the rotor flange therein and said flange on its periph-



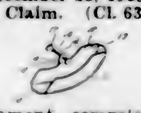
ery describing the arc in which said abutment swings.

2,235,119
PROCESS FOR CONCENTRATING AND STORING OLEFINS
Richard F. Robey, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1938, Serial No. 248,472
7 Claims. (Cl. 260—677)



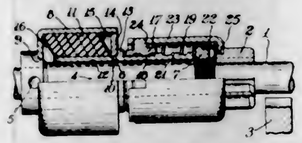
1. A process for the separation and storage of olefins, which comprises passing through an ammoniacal solution of cuprous benzene sulfonate maintained at a temperature from —10° to 25° C. a normally gaseous mixture containing olefins and saturated hydrocarbons and separating the unabsorbed saturated hydrocarbons and other insoluble gases.

2,235,120
JEWELRY ORNAMENT
Carl Schraysshuen, Providence, R. I., assignor to Carl-Art, Inc., a corporation of Rhode Island
Application December 23, 1939, Serial No. 310,767
1 Claim. (Cl. 63—14)



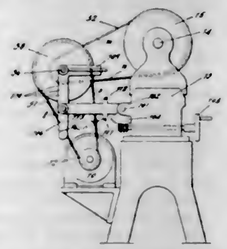
An ear ornament, comprising a sheet metal body portion of arcuate form shaped to provide an elongated curved bottom wall and two side walls extending upwardly therefrom in parallel relation whereby a U-shaped trough having open ends is formed to receive an ear lobe, one of said walls being ornamental, and the other wall having an integral tab extending upwardly therefrom, said tab having a threaded opening, and a manually engageable clamp member having a threaded stem engaging the threads of said opening and an enlarged end adapted to engage an ear lobe positioned in said U-shaped trough.

2,235,121
ENGINE STARTER DRIVE
Youston Sekella, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 24, 1938, Serial No. 192,291
5 Claims. (Cl. 74—7)



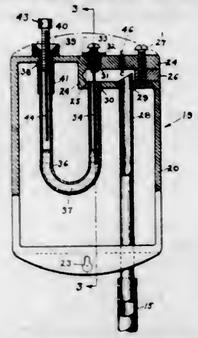
1. In an engine starter drive, a drive shaft, a pinion movable thereon into and out of engagement with a member of an engine to be started, and means for actuating the pinion from the drive shaft including a driven shaft slidably journalled on the drive shaft, a barrel member fixed to the drive shaft and surrounding one end of the driven shaft, a conoidal annulus of elastic material having a high coefficient of friction located on the driven shaft within the barrel, and a connection between the driven shaft and pinion including torque-responsive means for moving the driven shaft longitudinally to flatten the annulus into gripping engagement with the barrel and drive shaft.

2,235,122
VARIABLE SPEED TRANSMISSION
Louis E. Shaw, East Orange, N. J.
Application September 22, 1937, Serial No. 165,059
13 Claims. (Cl. 74—230.17)



12. In a change speed device of the V-belt type, the combination of a driving pulley and a driven pulley, each having a fixed axis of rotation, a floating assembly including a pair of intermediate pulleys mounted for rotary movement about a common axis offset from both of said fixed axes, a pair of V-belts in driving engagement with the intermediate pulleys and engaging the driving and driven pulleys, resilient means acting on the floating assembly and tending to move the same away from both the driving and driven pulleys, and control means operatively connected with said pulleys and belts to cause a momentary increase in the tension of one of the belts and simultaneously a decrease in the tension of the other belt.

2,235,123
SIGNAL SYSTEM
John Thomas Stubbins, Youngstown, Ohio
Application April 28, 1938, Serial No. 204,795
11 Claims. (Cl. 200—81)



1. A circuit closing device comprising a casing having side walls, top and bottom walls, and a front wall, one of said walls being of increased thickness within said casing and being provided with a bore, a tube extending through an aperture in another of said walls and communicating with said bore, aligned apertures in opposing walls of said bore, a U-tube having one leg thereof received within one of said apertures, an insulating sleeve in the other of said apertures, a screw threaded into said sleeve, a current conducting pin carried with said screw and extending downwardly into said leg of the U-tube, a quantity of mercury in said U-tube, and means in the other leg of the U-tube adapted to be contacted by said mercury upon movement thereof.

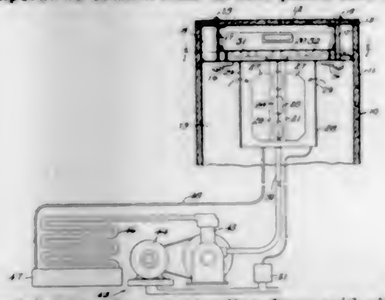
2,235,124
VOLTOLIZATION OF HYDROGENATED PRODUCTS
William J. Sweeney, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1937, Serial No. 182,440
1 Claim. (Cl. 204—168)

The process which comprises treating a petroleum lubricating oil fraction having an A. P. I. gravity of 25 to 35, a flash of from 300° F. to 500° F. and a Saybolt viscosity from 200 seconds at 100° F. to 140 seconds at 210° F. with a selective solvent adapted to separate compounds having a lower ratio of hydrogen to carbon from compounds having a higher ratio of hydrogen to carbon, separating the resultant oil fractions, hydrogenating the fraction having the lower ratio of hydrogen to carbon and which is substantially free from paraffinic hydrocarbons, under substantially non-cracking conditions to secure substantially a saturated oil, and then voltolizing the resultant hydrogenated oil to a viscosity in the range of 100 to 8,000 seconds Saybolt at 210° F.

2,235,125
REFRIGERATION MEANS AND METHOD
Viggo V. Torbensen, Cleveland, Ohio
Application April 5, 1939, Serial No. 266,037
9 Claims. (Cl. 62—116)

1. In a refrigerator, in combination, a main casing, a horizontal panel in said casing dividing the interior thereof into an upper and a lower

chamber, a horizontal evaporator mounted on said panel and spaced above the same in said upper chamber, an ice tray overlying said horizontal evaporator in heat exchange relation therewith, a pair of vertical plates suspended from said panel in said lower chamber, tubular evaporators countersunk in said plates and having lateral surfaces protruding from said plates, means clamping said plates together whereby said protruding tubing surfaces are pressed together in flattened contact relation, lateral heat absorbing fins on said plates, means forming a common liquid inlet to said upper and lower evaporators, and means forming a common vapor outlet from said upper and lower evaporators.

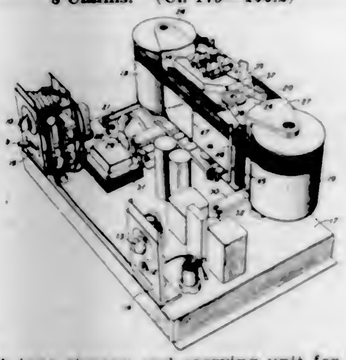


2,235,126

MAGNETIC TELEGRAPHONE

Charles C. Towne, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 13, 1939, Serial No. 284,155
8 Claims. (Cl. 179—100.2)



1. A tape storage and carrying unit for telegraphones comprising a plurality of rotatable drums mounted in spaced relation, and a continuous magnetic tape spiraled around the drums with adjacent spirals so related that any given point on the tape will move axially of the drums from end to end and back to its starting position in one complete cycle of travel of the tape loop.

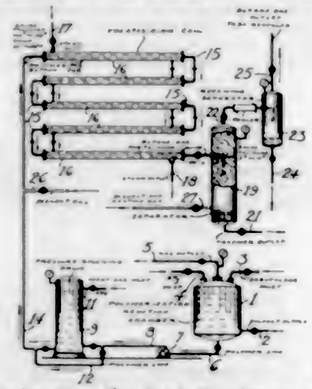
2,235,127

PROCESS FOR REMOVING VOLATILE SOLVENTS FROM POLYMERIZED SUBSTANCES

Charles W. Tyson, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 21, 1938, Serial No. 230,994
11 Claims. (Cl. 260—94)

1. In the preparation of a hydrocarbon polymer the steps of polymerizing an olefin in a solvent, heating the polymer solution to a temperature substantially above the boiling point of the solvent, discharging the heated polymer solution into a receiver and separating the volatilized solvent from the non-volatile polymer.

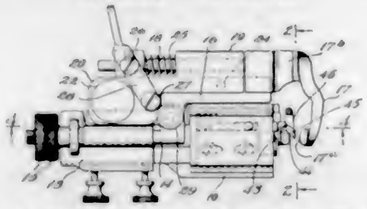


2,235,128

ATTACHMENT FOR SEWING MACHINES

Percy W. Valentine, Brooklyn, N. Y.

Application November 10, 1938, Serial No. 239,743
14 Claims. (Cl. 112—62)



1. An attachment for sewing machines of the class described for use in stitching an upper to the welt lip of a shoe sole, said attachment comprising a movable member for engaging and supporting the welt lip, a presser-foot arranged above and movable toward and from said member and having a foot end fashioned to form a spreader for extending the welt lip from the sole, said member being arranged adjacent the presser-foot whereby the welt lip is supported between said member and foot, and means adjustable with respect to said member and foot for supporting the sole in an upright substantially perpendicular position with respect to said welt lip in the operation of stitching the same.

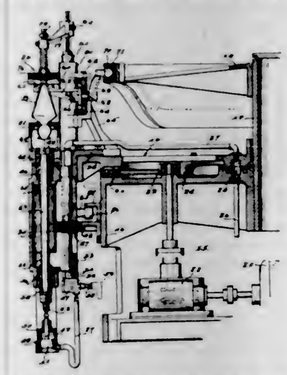
2,235,129

GLASSWARE FORMING MACHINE

Charles R. Vining, Elmore, and Irvin C. Hamilton, Toledo, Ohio, assignors to Libbey Glass Company, a corporation of Ohio

Application March 20, 1939, Serial No. 262,820
6 Claims. (Cl. 49—37)

1. Glassware forming apparatus comprising a bowl supporting chuck, a foot forming and attaching unit positioned above the chuck, said unit including horizontally separable mold sections, a pressing head arranged for cooperation with said mold sections, means for effecting synchronized operation of the chuck, mold sections and head, means for effecting relative rotation of the chuck and said unit, a slide supporting the chuck and manually operable means for adjusting the slide vertically relative to said unit.

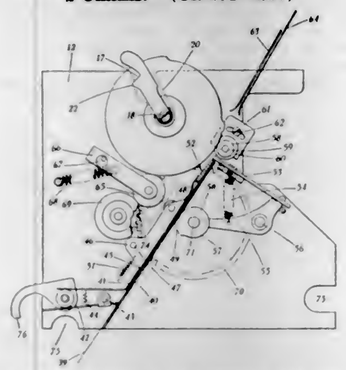


2,235,130

TICKET-ISSUING MACHINE

Christopher Frederick Webb, Uxbridge, England, assignor to Bell Punch Company Limited, London, England, a British company

Application December 16, 1939, Serial No. 309,535
In Great Britain December 4, 1938
2 Claims. (Cl. 101—227)



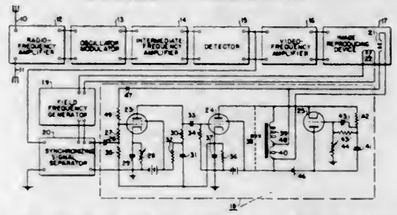
1. A ticket printing and issuing machine comprising means providing a guideway for a ticket strip, severing means for cutting transversely a strip moving along said guideway, a rotary member carrying a plurality of printing elements spaced circumferentially and arranged to engage said strip at a location beyond said severing means in the direction of movement of the strip, thereby to print and feed said strip along the guideway, means effecting location of a leading end of the strip in position for engagement by one of said printing elements, and means arranged in a cycle of operation of the machine to operate said severing means between feeding movements of the strip under the action of said circumferentially spaced printing elements, so that the unsevered strip is printed and fed by one of said spaced printing elements prior to severing, and final printing and feeding of the strip takes place by the action of another of said printing elements on the severed portion thereof after the severing operation.

2,235,131

SAW-TOOTH WAVE GENERATOR

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application October 25, 1939, Serial No. 301,103
8 Claims. (Cl. 250—36)



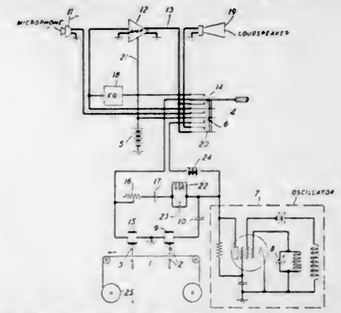
1. A periodic wave generator for developing an output of saw-tooth wave form with relatively long trace and relatively short retrace intervals comprising, an input circuit adapted to be connected to a source of periodic pulses synchronous with the desired output wave and incidentally subject to excitation by undesired other pulses, a vacuum-tube repeater coupled to said input circuit for developing said output wave, means for deriving from said periodic pulses a periodic wave, the form of which provides a maximum rate of change in one sense at the beginning of each trace interval and progressively varies to a maximum rate of change in an opposite sense at the end of each trace interval, and means for applying said periodic wave to said input circuit with such polarity that it does not reduce the effectiveness of said periodic pulses on said repeater but does reduce the effectiveness of said other pulses on said repeater.

2,235,132

MAGNETIC TELEGRAPHONE

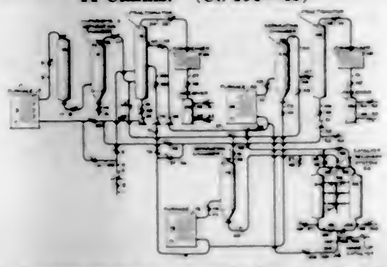
Dean E. Wooldridge, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 29, 1939, Serial No. 287,192
5 Claims. (Cl. 179—100.2)



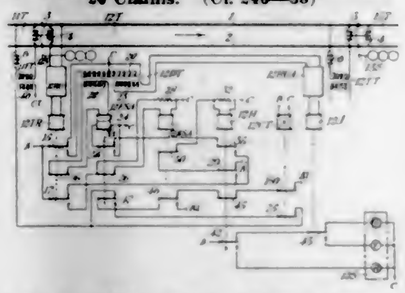
1. In a telegraphone, a moving record member, erasing and recording pole-pieces spaced along the member, coils on the pole-pieces, a circuit carrying signal currents connected to the recording coil, a source of oscillating currents of high fundamental frequency, means for supplying currents of relatively large amplitude and of fundamental frequency from the source to the erasing coil and means for impressing currents of relatively small amplitude and of a harmonic frequency from the source to the recording coil.

2,235,133
HYDROCARBON CONVERSION
Gordon B. Zimmerman, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 16, 1939, Serial No. 299,597
11 Claims. (Cl. 196—49)



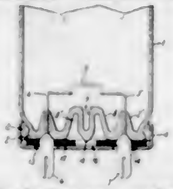
2. A conversion process which comprises thermally cracking heavy hydrocarbon oil, fractionating the resultant vaporous products to separate a relatively light reflux condensate and a heavier reflux condensate therefrom, commingling a powdered cracking catalyst with the light reflux condensate and subjecting the mixture to catalytic conversion conditions, separating the resultant products into vapors and a residual liquid containing the powdered catalyst, adding said heavier reflux condensate to the residual liquid containing the catalyst, subjecting the resultant mixture to independently controlled conversion conditions, and fractionating and condensing the vaporous products of the catalytic conversion steps.

2,235,134
RAILWAY SIGNALING SYSTEM
Leslie R. Allison, Forest Hills, and Frank H. Nicholson, Penn Township, Allegheny County, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 24, 1940, Serial No. 320,654
20 Claims. (Cl. 246—38)



1. In a coded railway signaling system, in combination, a stretch of railway track having a pair of track rails divided by insulated joints into a plurality of successive track sections including a forward and a rearward section, means for at times supplying coded energy and at other times supplying steady energy to the rails of said forward section, a code following track relay having a winding receiving energy from the rails of said forward section, a transformer, means responsive to code following operation of the track relay contacts for varying energization of the primary winding of said transformer to thereby cause impulses of energy to be induced in said transformer secondary winding, a first, a second and a third auxiliary relay, a circuit including a front contact of said track relay for supplying energy from said transformer secondary winding to a winding of said first auxiliary relay, said transformer and said first auxiliary relay being selected and proportioned so that the relay contacts when released become picked up only after a plurality of impulses of energy are supplied in rapid succession from the transformer secondary winding to the relay winding and so that the relay contacts thereafter remain picked up as long as the track relay continues to respond to coded energy, a circuit including a back contact of the track relay and a front contact of the first auxiliary relay for supplying energy to the winding of the second auxiliary relay, a circuit including a front contact of the second auxiliary relay for supplying energy to the winding of the third auxiliary relay, a circuit including front contacts of the track relay and of the first auxiliary relay and a back contact of the third auxiliary relay for supplying energy to a winding of the first auxiliary relay, means operative when the track relay is shunted to supply coded energy to the rails of said rearward section, a circuit including a front contact of the first auxiliary relay and a back contact of the second auxiliary relay over which steady energy may be supplied to the rails of said rearward section, and a circuit including a front contact of said third auxiliary relay for supplying coded energy to the rails of said rearward section.

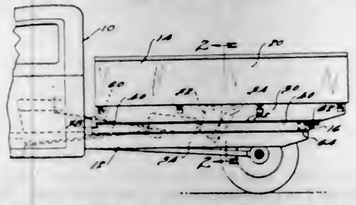
2,235,135
ELECTRIC LAMP AND SIMILAR DEVICES
Ernst-Günther Andresen, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application November 6, 1939, Serial No. 303,150
In Germany October 20, 1938
2 Claims. (Cl. 176—32)



1. An electric device comprising an elongated glass envelope having an end thereof closed by a pressed glass disc fused to the said end of said envelope, leading-in wires extending through and fused directly to said glass disc and electrically connected to contact pins projecting outwardly from said glass disc, said contact pins having their inner extremities sealed into said glass disc, a centrally arranged hollow re-entrant projection on said glass disc extending into said envelope and providing a recess in the outer surface of said disc, an exhaust tube depending from the inner end of said projection and sealed off within said recess, and a cover member secured to said disc and covering at least the portion of said disc which is recessed.

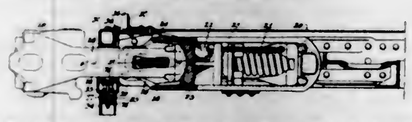
2,235,136
DUMP BODY CONSTRUCTION
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application January 26, 1940, Serial No. 315,646
3 Claims. (Cl. 298—17)

3. A dump truck construction comprising, in combination, a chassis, a sub-frame mounted on said chassis and fixed thereto, said sub-frame having longitudinally extending transversely spaced members, said members having upstanding sides terminating in inwardly disposed flanges along the upper edges thereof, a body pivotally mounted with respect to the chassis, said body comprising a central section and oppositely disposed side sections secured to said central section, the outer edges of said central section having integral depending portions terminating in inwardly disposed flanges, the inner edges of said



side sections having integral depending portions terminating in outwardly disposed flanges, the depending portions of said side sections extending below the flanges on the depending portions of said central section, the construction and arrangement being such that the flanges on said central section seat upon the flanges on said longitudinally extending members when the body is in its lowered position, and the portions of the depending portions of the side sections which extend below the flanges on the depending portions of the central section bear against the outer faces of the upstanding sides of the longitudinally extending members.

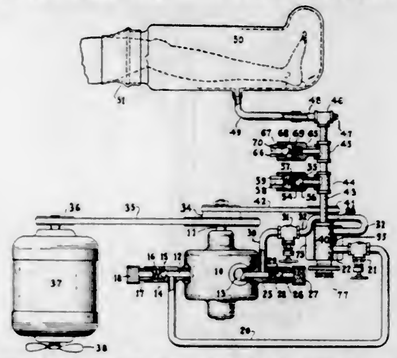
2,235,137
CAR COUPLING AND SUPPORTING APPARATUS
Arthur J. Bazeley, deceased, late of Shaker Heights, Ohio, by Ruth McKean Bazeley, executrix, Shaker Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Original application December 5, 1935, Serial No. 53,012. Divided and this application July 27, 1938, Serial No. 221,530
2 Claims. (Cl. 213—14)



1. A car coupler having a hollow shank, a wear shoe for supporting the shank fitted into and guided by the sides of an opening in only one wall of said shank in telescoping relation therewith, spring means between an inner wall of said shank and said wear shoe, and adjustable means for holding said wear shoe within a predetermined distance from said inner wall.

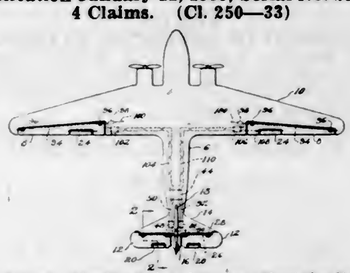
2,235,138
THERAPEUTICAL APPARATUS
Halton A. Billetter, Youngstown, Ohio
Application April 28, 1938, Serial No. 204,810
6 Claims. (Cl. 128—299)

1. In an apparatus of the character described having a sealed chamber for the reception of an extremity of the human body, means to rhythmically vary the pressure within said chamber comprising means to produce positive and negative fluid pressures, means to alternately connect said positive and negative pressures with said chamber comprising a valve body having a cylindrical bore with a pair of ports in its side wall connected with said sources of positive and negative pressures, a hollow valve rotatable within said bore and being provided with circumferentially extending slots in its side wall adapted to



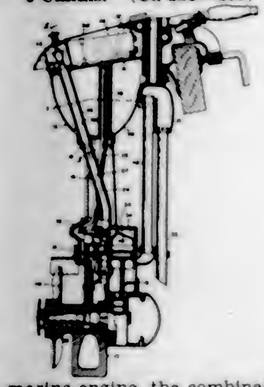
alternately register with said ports, means to connect the space within said valve with said chamber, means to continuously rotate said valve, and means supporting said valve for quick removal from said bore whereby valves having slots of different lengths may be readily interchanged to vary the relative time allotted to said positive and negative pressures.

2,235,139
RADIO ANTENNA SYSTEM
Malcolm Bruce, Plymouth, Mass.
Application January 11, 1939, Serial No. 250,322
4 Claims. (Cl. 250—33)



1. In an airplane having an electrically conductive structure and provided with radio equipment, a self-contained resonant antenna system therefor utilizing a substantial portion of said structure and adopted for operation over a range of frequencies whose half-wavelength is substantially independent of the equivalent electrical dimensions of the portion of the structure utilized, said antenna comprising a pivotally mounted airfoil member electrically insulated from another portion of the aircraft structure having different equivalent electrical dimensions, means comprising a coupling network for coupling the said mutually insulated structural portions of the craft to the radio equipment, and reactive means connected in series with one of said structural portions for altering the equivalent electrical length thereof to a value such that a current antinode appears in the vicinity of the point of coupling to the structure at the operating frequency.

2,235,140
PORTABLE INTERNAL COMBUSTION ENGINE
Douglas E. Clarke, Toronto, Ontario, Canada
Original application August 30, 1937, Serial No. 161,652. Divided and this application March 21, 1938, Serial No. 197,281
6 Claims. (Cl. 123—195)



1. In a marine engine, the combination with a cast fuel tank and a cylinder located below the fuel tank having an intake port for fuel mixture, of a device supported on the top of the fuel tank and supplying fuel mixture to the intake port and communicating with the interior of the tank to receive fuel therefrom, means for supplying air to said device for mixture with the fuel, and means for conducting fuel mixture from the device to the cylinder intake port including a passage extending through the fuel tank and cast integral therewith.

2,235,141
TREATMENT OF ARTIFICIAL MATERIALS
Henry Dreyfus, London, and Robert Wighton Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 29, 1938, Serial No. 232,354. In Great Britain October 15, 1937
2 Claims. (Cl. 91—70)

1. Process for the production of improved artificial textile materials which comprises increasing the resilience of products comprising filaments, fibers, yarns, ribbons, fabrics or the like of cellulose acetate by impregnating said products with synthetic resin components forming a water-soluble product, said synthetic resin components comprising formaldehyde and a substance selected from the class consisting of urea, thiourea and dicyandiamide in water soluble form, in the substantial absence of an acid catalyst, drying the impregnated products, applying an acid catalyst in the form of an acid gas to the impregnated products and effecting further condensation to a water-insoluble synthetic resin at a temperature between 50 and 70° C.

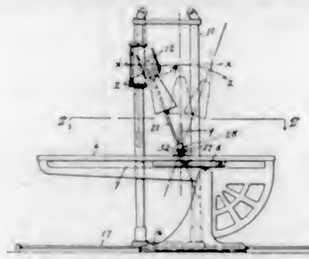
2,235,142
ARTIFICIAL LEG ATTACHING MEANS
Edward R. Dye, Monticello, Ind.; Edith F. Dye executrix of Edward R. Dye, deceased
Application November 16, 1938, Serial No. 240,627
3 Claims. (Cl. 3—11)

1. For securing an artificial leg for a below-the-knee amputation to the stump of a natural leg wherein the stump is received within a socket of the artificial leg, a pair of straps each extending from a central front zone to diverge outwardly and downwardly to terminate in an end each for attachment on opposing sides of the



artificial leg, and also extending from that zone rearwardly and diverging laterally and thence around inwardly to cross freely one over the other substantially centrally behind said strap ends and extending forwardly in spaced apart relation to terminate each by an end for attachment on said opposing sides of the artificial leg.

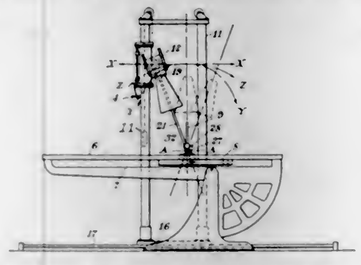
2,235,143
RADIOGRAPH APPARATUS
Abraham E. Colcher, Philadelphia, Pa.
Application January 30, 1939, Serial No. 253,498
11 Claims. (Cl. 250—61.5)



1. An apparatus for making radiographs of body sections comprising a table, a plate holder beneath the table and provided with space for reciprocating longitudinal movement, a stationary element attached to the table, a carriage mounted for reciprocating movement and carrying an X-ray tube, a lever adjustably pivoted at a selected focus point on said stationary element and connected at one side of said pivotal point with said tube and loosely connected at the other side of said point with said holder, and means associated with said carriage for automatically and continuously reciprocating said carriage and holder in opposite directions.

2,235,144
RADIOGRAPHIC APPARATUS
Abraham E. Colcher, Philadelphia, Pa.
Application April 10, 1939, Serial No. 267,018
5 Claims. (Cl. 250—61.5)

1. Apparatus for making body section radiographs comprising in combination, a slidable X-ray tube unit, means for imparting rectilinear reciprocation thereto, a table with a slidable plate carrier and transmission means for imparting rectilinear motion to the plate carrier in unison with the X-ray tube unit; the said unit comprising a slidable base, a vertical member, an arm fixedly mounted on the vertical member, an X-ray tube support carried by said arm, and means for rotatably supporting said arm to enable oscillation about an axis perpendicular to the path of reciprocation of the unit; the afore-



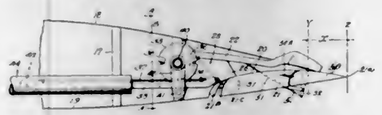
said transmission means comprising a lever pivotally connected to the said oscillating tube arm and slidably connected to the plate carrier and an intermediate fulcrum about which said lever is slidably connected for oscillation.

2,235,145
ALKYLIDENE DI-SULPHANILAMIDES AND PROCESS FOR MAKING THEM
Joseph Ebert, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 27, 1939, Serial No. 311,129
6 Claims. (Cl. 260—556)

1. An alkylidene di-p-aminobenzenesulphonamide, in which the alkylidene group has from 8 to 18 carbon atoms.

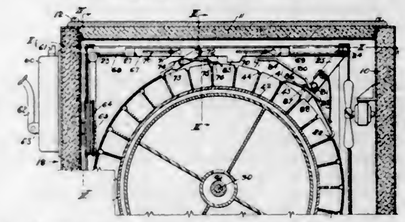
6. The method of preparing alkylidene di-p-aminobenzenesulphonamides which comprises reacting an alkyl aldehyde having from 8 to 18 carbon atoms in the alkyl radical with p-aminobenzenesulphonamide in the molar proportions of one to two.

2,235,146
AIRPLANE
Harlan D. Fowler, Baltimore, Md.
Application June 22, 1938, Serial No. 215,092
7 Claims. (Cl. 244—42)



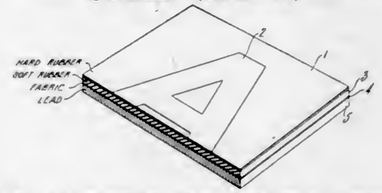
1. An aircraft wing including a normal cambered airfoil having a recess in the rear lower part thereof, a track fixed to said airfoil, an auxiliary airfoil slidable rearwardly with measurably small but gradually increasing angles with respect to said normal airfoil, but relatively fixed to said fixed track, means for moving rearwardly said auxiliary airfoil until its leading edge reaches substantially the extreme rearward position, automatic means comprising a cam within the rear end of said track for quickly increasing the angle of incidence of said auxiliary airfoil relative to said normal airfoil and for producing a spaced relationship between the leading edge of said auxiliary airfoil and the trailing edge of said cambered airfoil.

2,235,147
DISPENSING APPARATUS
Lue O. Garner and Fred Montesi, Memphis, Tenn.
Original application May 31, 1939, Serial No. 276,624. Divided and this application February 3, 1940, Serial No. 317,080
3 Claims. (Cl. 74—155)



1. A vending mechanism, including a casing having therein a dispensing drum rotatably mounted; and means for manually actuating said drum; said drum including a rotatable disc having a plurality of equally spaced notches; said actuating means including an elongated support carried by said casing in substantial parallelism with a face of said disc and adjacent the periphery thereof, a member slidably movable for longitudinal reciprocation with respect to said support, manually operable means for retrogressively shifting said member and for returning said member to initial position, ratchet means carried by said member and retrogressively shiftable therewith into notch engagement, said ratchet means on return of said member accomplishing advancement of said disc, a dog adapted for notch engagement to prevent retrogressive movement of said member, a detent member pivotally carried by said casing adapted for notch engagement to prevent movement of said disc when in advanced position, means urging said detent into notch engagement, means carried by said member adapted to disengage said detent as said member is retrogressively shifted and to hold said detent free of notch engagement during initial advance movement of said member, a ratchet pawl oppositely faced to said ratchet means carried by said member and shiftable on retrogressive movement of said member into notch engagement as detent disengagement occurs, and means for holding said pawl from notch engagement during the beginning of retrogressive shift of said member and for disengaging said pawl during advance shift of said member.

2,235,148
METHOD OF MAKING RUBBER PRINTING PLATES
Robert D. Gartrell, Oakland, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 3, 1936, Serial No. 72,456
3 Claims. (Cl. 18—59)



1. In the method of manufacturing printing plates the steps comprising vulcanizing a plate

of hard rubber composition until hard, positioning the plate between a matrix and a cushioning body of unvulcanized soft rubber and applying heat and pressure to the assembly whereby to render the vulcanized body of hard rubber plastic to receive an impression from the matrix and simultaneously to vulcanize the soft rubber body to the hard rubber plate.

2,235,149

PROCESSING OF MIXED POLYMERS OF CONJUGATED DIENES AND UNSATURATED NITRILES

Roscoe H. Gerke, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 11, 1939, Serial No. 267,321
12 Claims. (Cl. 260—84)

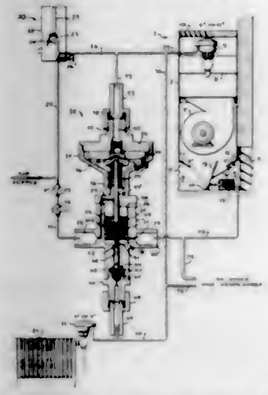
1. A process of preparing a plastic conversion product of a mixed polymer of a conjugated 1,3 diene with an alpha-beta-unsaturated nitrile, which comprises heating a mixture containing said mixed polymer and an organic nitroso compound selected from the group consisting of p-nitroso-dimethyl aniline, nitroso-beta-naphthol, and p-nitroso-diethyl aniline, for a time and at a temperature sufficient to reduce the viscosity of the mixed polymer and confer a greater tack thereon than possessed by the original material.

2,235,150

CONTROL APPARATUS

Frank C. Gibbs, Oak Park, and Karl Figenbaum, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 15, 1937, Serial No. 164,008
12 Claims. (Cl. 236—38)



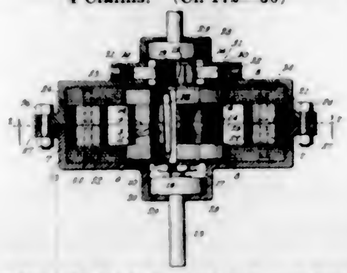
5. In a pneumatic control system, in combination, a controller movable from one position to another, pressure actuated motor means for said controller operable to position said controller in accordance with the pressure exerted upon said motor means, a condition responsive device for applying varying pressures upon said motor means for different values of the condition to which said device is responsive to thereby cause the position of said controller to be varied upon change in value of said condition, means for controlling the pressure applied to said motor means for causing said motor means to position said controller at least a predetermined distance from one limit of its movement, and means controlled by said condition responsive means for controlling said pressure controlling means.

2,235,151

ELECTRICAL MACHINE

George A. Gillen, Bronx, N. Y.

Application June 16, 1937, Serial No. 148,539
4 Claims. (Cl. 172—36)



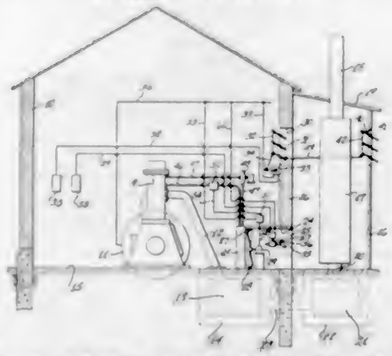
1. Electrical apparatus of the character disclosed, comprising cooperating rotor and stator, each including magnet cores and energizing windings therefor, said magnet cores being composed of separate opposed core sections, means being provided for securing the opposed core sections together and surrounded by the magnetizing windings, said core pieces of the rotor being embedded in supporting discs molded about the polar projections of the same and the pole pieces of the stator being embedded in molded casing sections which meet on the plane of separation between the core parts of the stator magnets.

2,235,152

HEATING AND VENTILATING SYSTEM

Fritz Paul Grutzner, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application October 9, 1939, Serial No. 298,592
4 Claims. (Cl. 237—2)



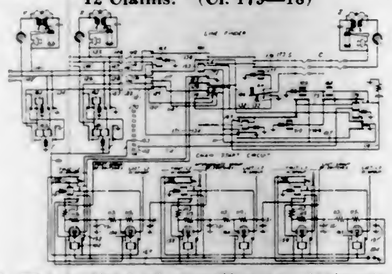
4. In a heating system for a space to be heated, the combination of an internal combustion engine of jacket-cooled type, a fluid circulating jacket cooling system functionally associated with the engine jacket and including a radiator and a pump for circulating the cooling fluid in said system and radiator, a space to be air-conditioned, a variable speed blower arranged adjacent said radiator for circulating air from said space into contact with the radiator to be heated thereby, and thus to cool the engine jacket fluid circulated in the jacket cooling system, an exhaust discharge system for said engine, including an exhaust silencer, an enclosure for said exhaust silencer providing an air jacket about the silencer, a conduit section communicating with said air jacket and providing an air inlet thereto, said radiator and blower being arranged within said inlet conduit, said enclosure having spaced air discharge ports open to the atmosphere and to said space to be air-conditioned, air control means operatively associated with each of said ports, actuating means for said control means, including a single operating motor therefor, said air control means being adapted for proportioning the discharge of heated air through said ports to atmosphere and to said space, thermostatic means responsive to the temperature conditions in said space, for controlling operation of said motor, and thermostatically operated means in control of said blower and responsive to the temperature of the fluid circulated in said engine jacket system, for controlling the speed of said blower.

2,235,153

CHAIN START CIRCUIT

William H. T. Holden, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 11, 1939, Serial No. 283,735
12 Claims. (Cl. 179—18)



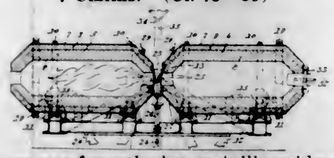
1. The method of operating an electronic device out of a plurality of such devices all adapted to operate upon the application of a definite potential thereto, which consists in propagating said definite potential along a circuit network joining all said devices, whereby the operation of one device precludes the further propagation of said definite potential.

2,235,154

METHOD FOR THE REDUCTION OF METALLIC OXIDES

Arthur J. Jones, Iron Mountain, Mich.

Application February 28, 1939, Serial No. 258,917
7 Claims. (Cl. 75—89)



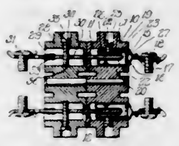
1. A process for reducing metallic oxides which includes heating two or more refractory lined chambers, charging a mixture of carbonaceous material and the oxide to be reduced into one of said chambers, primarily heating said mixture by bringing it into contact with the refractory lining of said chamber and transferring to the mixture the heat theretofore adsorbed by said refractory lining, maintaining the mixture at the proper reducing temperature until reduction is completed by transferring the mixture to another of said heated chambers and bringing it into contact with the refractory lining of the second chamber, and continuing the transfer of the mixture from one heated chamber to another until reduction of the oxide is completed.

2,235,155

PLUG AND SOCKET

Howard B. Jones, Evanston, Ill.

Application December 18, 1939, Serial No. 309,765
2 Claims. (Cl. 173—332)



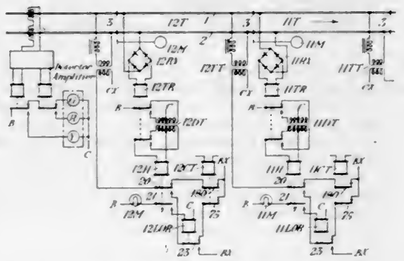
1. In combination, a dielectric base having an opening, twin contact pieces joined at their outer ends and at their inner ends spread apart and projected into said opening means for clamping a wire directly to said joined outer ends, said inner ends having rebent free portions providing therebetween a space to receive the complementary contact piece of a plug, a rigid member having a threaded opening, said member being located between one of said inner ends and its rebent portion, and a screw extending through said base and engaging said rigid member and acting to clamp the end portion against the base and hold said contact pieces in place within the base.

2,235,156

RAILWAY SIGNALING SYSTEM

Ralph R. Kemmerer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 31, 1940, Serial No. 348,937
16 Claims. (Cl. 246—38)



1. In a coded railway signaling system, in combination, a stretch of railway track having a pair of track rails divided by insulated joints into a plurality of successive track sections including a forward and a rearward section, means for supplying coded energy to the rails of said forward section, a track relay receiving energy over the rails of said forward section, a signal governing traffic in said forward section, said signal including a lamp, means responsive to code following operation of said forward section track relay and

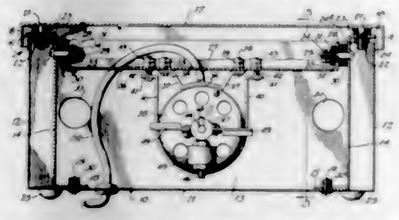
controlling the circuit of said signal lamp and also controlling the supply of coded energy to the rails of said rearward section, means responsive to flow of energy in the circuit of said lamp for also controlling the supply of coded energy to the rails of said rearward section, and traffic governing means responsive to the flow of coded energy in the rails of said rearward section.

2,235,157
WATCHCASE
Harry Kousin, New York, N. Y., assignor, by mesne assignments, to Universal Development Corporation, New York, N. Y.
Application February 4, 1939, Serial No. 254,656
5 Claims. (Cl. 58—88)



1. A watchcase having lugs at its opposite portions for a wrist band or cord, a crystal in its face portion, and a marginal portion around the crystal comprising in combination a bezel fitted on the marginal portion around the crystal, at least one of the lugs having a bore, a plunger slidably fitted in the bore, the inner end of the plunger engaging the bezel, and means to yieldably retain the plunger in engagement with the bezel.

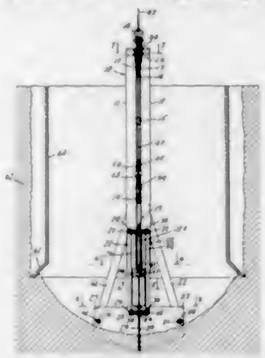
2,235,158
VIBRATOR
John G. Krenzke, La Porte, Ind., assignor to Donald M. Stevenson, Carrie S. Logan, Carolyn S. Rathjen, and Warren A. Stevenson, all of La Porte, Ind., doing business as Stevenson Mfg. Co.
Application January 8, 1940, Serial No. 312,951
6 Claims. (Cl. 128—33)



1. In a vibrator, the combination of a base, spaced resilient standards secured at one end to the base and being free to vibrate at their opposite ends, a rigid platform carried by the free ends of the resilient standards, a bridge member secured at its opposite ends to the standards at points intermediate the platform and the points of securement of the standards to the base, and an unbalanced motor suspended from the bridge member and between the standards.

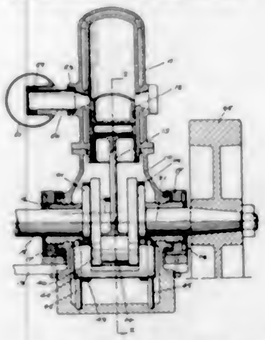
2,235,159
EXCAVATING BUCKET
Ferdinand J. Litter, New York, N. Y.
Application February 28, 1938, Serial No. 192,998
5 Claims. (Cl. 255—1)

1. A frame, a pair of buckets supported thereby in back-to-back relation, each of said buckets comprising side plates and a connecting back plate, pivotal supporting means for each of the buckets near similar corners of each of its side plates and their adjacent back plate, and means movable in relation to said supporting means for



simultaneously imparting a partial rotation to the buckets.

2,235,160
PISTON MACHINE WITH CRANKSHAFT
Fredrik Ljungström, Stockholm, Sweden, assignor to Aktiebolaget Bolinder-Munktell, Eskilstuna, Sweden, a corporation of Sweden
Application July 16, 1938, Serial No. 219,497
In Sweden July 21, 1937
14 Claims. (Cl. 123—192)

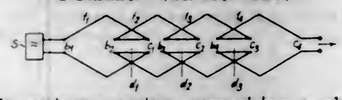


1. In a device of the class described, a body structure, a piston reciprocable within said body, a crankshaft, said body being turnable with respect to said crankshaft in a plane normal to the axis of rotation of said shaft, supporting structure for turnably supporting said body about said crankshaft, said body being substantially dynamically balanced about its turning axis, and means for resiliently resisting turning of said body with respect to said supporting structure, said means providing increasing resistance upon increasing turning of said body from a normal position.

2,235,161
LUBRICANT CAPABLE OF CARRYING HEAVY LOADS
Arnold J. Morway, Roselle, and John C. Zimmer, Hillside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 20, 1938, Serial No. 230,784
15 Claims. (Cl. 252—48)

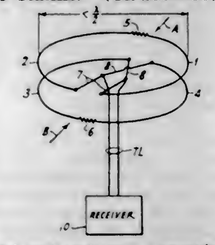
1. An improved lubricant comprising a dispersion of a sulfide of phosphorus in mineral lubricating oil.

2,235,162
ANTENNA
Wilhelm Moser and Wilhelm Peters, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 15, 1938, Serial No. 245,859
In Germany December 15, 1937
4 Claims. (Cl. 250—11.5)



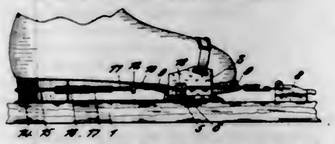
1. An antenna system comprising a plurality of coaxially arranged horizontal loop antennae, means for connecting said loop antennae in a series relationship, means for energizing said system connected to one of said antennae, said connecting means including phase adjusting means whereby the energy in said loops is in an inphase relationship.

2,235,163
BROAD BAND ANTENNA
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 15, 1938, Serial No. 245,839
9 Claims. (Cl. 250—33)



1. A broad band antenna comprising a plurality of horizontal loops disposed in parallel planes, a transmission line, means for separately connecting said loops to said transmission line and means in each of said loops and remote from the connection of said transmission line to said loops for preventing reflection of currents in said loops into said transmission line.

2,235,164
SKI FASTENING DEVICE
Paul Pfeiffer, Pausitz-Riesa, Germany
Application March 10, 1939, Serial No. 261,020
In Germany March 10, 1938
4 Claims. (Cl. 280—11.35)

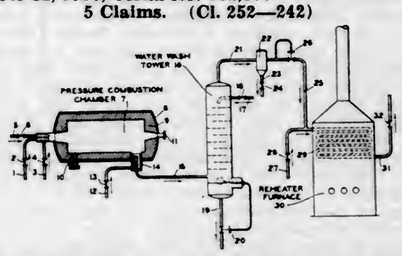


1. A ski fastening device, comprising in combination toe guide cheeks on the ski, a heel pull element secured at the front to the ski, and eye bearings one gripping each side of said heel pull element, and associated with a toe guide cheek, each eye bearing including an arm and a pivot for the eye bearing extending longitudinally of the ski whereby the arm may be vertically adjusted relative to its associated toe guide cheek.

2,235,165
PRINTING TEXTILE MATERIALS CONTAINING ORGANIC DERIVATIVES OF CELLULOSE
Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 26, 1938, Serial No. 186,977
6 Claims. (Cl. 8—63)

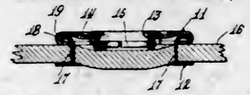
1. In a method of producing printed colored patterns on fabrics containing organic derivatives of cellulose, which comprises the steps of applying to the fabric a printing paste containing a dyestuff having an affinity for the organic derivative of cellulose and steaming the fabric in an atmosphere saturated with water vapor at a temperature of 88 to 100° C.

2,235,166
PRODUCTION OF GAS MIXTURES FOR CATALYST REACTIVATION
Robert Pyzel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Original application February 8, 1937, Serial No. 124,563. Divided and this application December 31, 1937, Serial No. 182,670
5 Claims. (Cl. 252—242)



1. In the burning of objectionable carbonaceous material from solid phosphoric acid catalysts by contacting the catalyst with heated combustion gases of regulated oxygen content insufficient to raise the catalyst to an injurious temperature, the method which comprises initially generating said combustion gases by the burning of fuel with substantially no excess of air whereby to produce combustion gases substantially devoid of free oxygen, cooling the combustion gases sufficiently to reduce the water vapor content thereof to below 5% by volume, heating the dehumidified gases to the ignition temperature of the carbonaceous material on the catalyst and then introducing them into contact with the catalyst, gradually increasing the oxygen content of the gases being contacted with the catalyst by reducing the ratio of fuel to air in the aforesaid fuel burning step, and continuing the contacting of the catalyst with the dehumidified oxygen-containing gases until the objectionable carbonaceous material has been substantially burned off the catalyst.

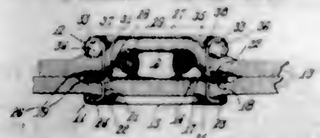
2,235,167
SNAP FASTENER
Harold J. Reiter, Chicago, Ill.
Application February 7, 1940, Serial No. 317,651
4 Claims. (Cl. 24—216)



1. An attaching member for a snap fastener

element comprising, a flat annulus, a plurality of flat triangular shaped piercing tangs disposed at right angles to said annulus, said tangs being integral with the inner circumferential edge of said annulus, and a groove on the inwardly disposed face of each of said tangs, said grooves being substantially V-shaped in section and extending substantially from the apex of said tangs to their bases without distorting the flat outwardly disposed faces of said tangs.

2,235,168
SNAP FASTENER
Harold J. Reiter, Chicago, Ill.
Application April 5, 1940, Serial No. 327,969
5 Claims. (Cl. 24—218)



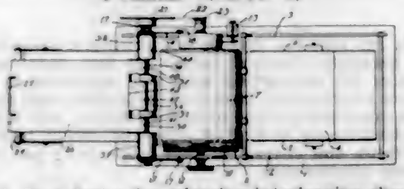
1. A snap fastener socket installation comprising, in combination, a socket element made from a single piece of sheet material and having an annular internally channelled socket wall, a split ring in said channel, a circular flange integral with and extending downwardly and outwardly from the upper end of the channelled wall and having its outer marginal portion disposed in a plane below the plane of the lower end of the said wall, the free circumferential edge portion of said margin being folded upwardly and inwardly to provide a reinforcing ring lying against the top surface of said marginal portion, and a plurality of piercing tangs integral with the free edge of said reinforcing ring and extending upwardly substantially at right angles thereto; a sheet of supporting material disposed over the socket element with the tangs extending therethrough; and an attaching element disposed over said material having an inwardly opening circumferential channel to receive said tangs, said attaching element having its bottom face shaped to conform substantially to the top surface contour of the socket element and including means to deflect the free ends of the tangs outwardly into said channel when the two elements are pressed together.

2,235,169
REMOTE CONTROL SYSTEM
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 7, 1937, Serial No. 141,253
2 Claims. (Cl. 250—36)



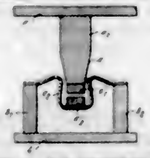
1. In a remote control system including an electric light and power supply line, means for generating high frequency current including an electronic tube oscillator having coupled input and output circuits, a circuit including inductance and capacity in series shunted directly across the power supply line, at least a part of said last named circuit being included in one of said oscillator tube circuits, said last named circuit together with the power supply line forming a resonant circuit having a single degree of freedom for determining the frequency of the generated high frequency current.

2,235,170
DUPLICATING MECHANISM
Augustus P. Rutherford, Houston, Tex.
Application November 21, 1938, Serial No. 241,520
8 Claims. (Cl. 34—1)



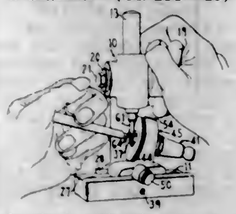
1. In a device for releasing interleaving sheets, a cylinder adapted to rotate about its own axis and having a portion cut out of one side thereof in one zone and another portion cut out of the opposite side thereof in another zone, a sheaf of interleaving sheets having one end resting on said cylinder, said sheets being of alternate types, one of which has parts positioned, and of a size to enter and freely pass through one of said cut out portions to be released thereby and the other of which has parts positioned, and of a size to enter and freely pass through the other of said cut out portions to be released thereby as said cylinder is rotated, and means for rotating said cylinder toward said sheaf.

2,235,171
CONTACT FOR VIBRATORS
Fritz Schilgen, Kl. Machnow, and Alfred Leifer, Berlin-Karlshorst, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 24, 1939, Serial No. 263,966
In Germany March 24, 1938
4 Claims. (Cl. 200—166)



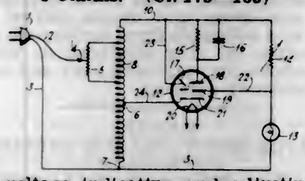
1. In a vibrating interrupter, a make and break switch adapted to be operated at high speeds, said switch comprising a vibrating pin-like element forming one electrode thereof and a substantially fixedly mounted spring-cradle element forming the cooperating electrode of the switch, said two elements being positioned with respect to each other so that one end of the pin-like element operates within the spring-cradle, the range of movement of the pin-like element being sufficient so that in one direction of operation thereof said end of the pin-like structure first comes in contact with a portion of the inner side of the base of said spring-cradle and continues its motion to an extent sufficient to tension the cradle and cause its sides to come in sliding contact with the outer surface of the pin-like element and in the other direction to completely break contact with the spring-cradle.

2,235,172
SPARK-PLUG TOOL
Christopher A. Schulz, Guttenberg, N. J., assignor to The B. G. Corporation, New York, N. Y., a corporation of New York
Original application February 17, 1938, Serial No. 190,953, now Patent No. 2,193,886, dated March 19, 1940. Divided and this application January 2, 1940, Serial No. 312,067
2 Claims. (Cl. 153—48)



1. A spark-plug adjusting tool including a member movable up and down in a frame, means supporting a spark-plug with its electrode end under said member and disposed obliquely to the direction of movement of said member, the supporting means including a body through which the spark-plug is inserted, a plate into which the spark-plug screws, and a removable bushing in position to be clamped between a shoulder of the plug and said plate to limit the extent to which the plug can screw into the plate and thereby control the position of the electrodes with respect to the plate and said member.

2,235,173
CIRCUIT TESTER
Francis H. Shepard, Jr., Rutherford, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 18, 1938, Serial No. 214,459
3 Claims. (Cl. 175—183)



1. In voltage indicating and adjusting apparatus a closed circuit including a transformer winding, an ohmic resistor and a non-linear resistor in series, means including a voltage adjusting device for connecting said winding to a source of voltage, voltage indicating means comprising an electron ray tube having an anode, a cathode, a control electrode and a target anode, means connecting said cathode to a point of said winding, means for connecting the control electrode to a point of said circuit intermediate the ohmic resistor and the non-linear resistor and means for connecting the anode and the target anode to a point of said circuit which is intermediate the ohmic resistor and said winding, the connection of the anode to said last named point including a resistor device.

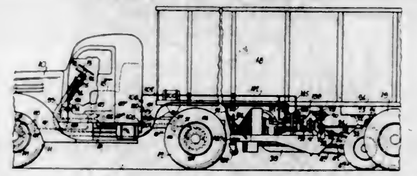
2,235,174
WATER PUMP DEVICE
Greek S. Shupe, Fort Stockton, Tex.
Application July 1, 1940, Serial No. 343,477
1 Claim. (Cl. 103—212)

A pump line including a cylinder, the pump line having an internal shoulder located above the cylinder, a piston mounted to reciprocate in the cylinder, a piston rod carrying the piston, a flexible, piston-raising element connected to the upper portion of the piston rod, a guide through which the piston rod slides, a latch pivotally mounted intermediate its ends on the guide, a weight at the lower end of the latch and constituting means for swinging the upper portion



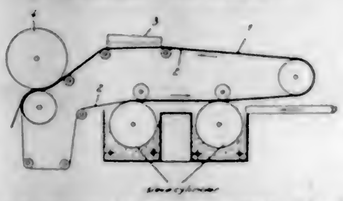
of the latch outwardly, for engagement beneath the shoulder, and a latch release on the piston rod, below the lower portion of the latch, engageable with the lower portion of the latch, upon a prolonged upstroke of the piston rod, to disengage the latch from the shoulder, and a piston-raising pull spring connected to the piston rod and to the guide.

2,235,175
PORTABLE AUXILIARY POWER UNIT FOR TRAILERS
Isaac W. Simpkins and Eugene R. Nelson, Charlotte, N. C., assignors to Power Brake Company, Charlotte, N. C., a corporation of North Carolina
Application December 18, 1939, Serial No. 309,842
16 Claims. (Cl. 180—14)



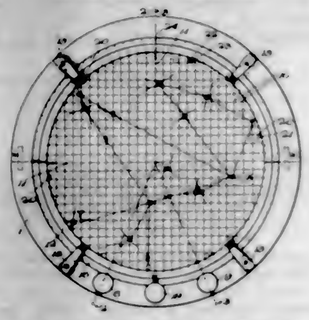
1. In a trailer adapted to be pivotally secured at its front end to the rear end of a tractor and having wheels supporting the rear end thereof, a framework having a prime mover mounted therein, a traction wheel mounted on the framework, means normally holding the traction wheel out of contact with the roadway, means controlled by the operator of the tractor for lowering the traction wheels and exerting the necessary pressure thereon to hold the same in contact with the roadway, driving means between the prime mover on the framework and the traction wheels, means preventing operation of the prime mover until a predetermined amount of pressure has been applied to the traction wheels of the framework to hold them in contact with the roadway, and means for raising the tractor wheels of the framework from contact with the roadway.

2,235,176
PROCESS FOR PREPARING POROUS PLATES FROM CEMENT AND FIBROUS MATERIAL ON BOARD-MAKING MACHINES
Stefan Schloss, Berlin-Wilmersdorf, Germany, assignor of thirty per cent to Fritz Quade, Berlin-Zehlendorf, Germany
Application July 16, 1937, Serial No. 154,077
In Germany August 22, 1936
4 Claims. (Cl. 92—66)



1. In a process for making sheets of hydraulic cement containing fibrous material in which a mixture comprising fibrous material and hydraulic cement is prepared, the mixture is formed into a layer, and the layer is wound upon itself to form a hollow cylinder; the steps comprising applying aluminium powder to the formed cementitious layer, cutting the wall of the formed cylinder and flattening it out to form at least one sheet, moistening the sheets with water, and placing the moistened sheets between limiting plane surfaces disposed at a fixed distance apart, the aluminium powder reacting with the cementitious material to form hydrogen gas whereby the sheets are expanded to an extent limited by the plane surfaces.

2,235,177
POSITION FINDER
Horace Stark, Washington, D. C.
Application June 8, 1938, Serial No. 212,575
14 Claims. (Cl. 33—1)

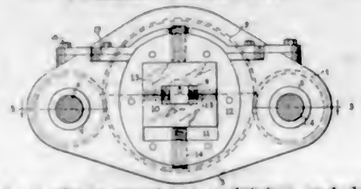


1. A navigating instrument comprising a map or chart mounted for adjustment to any desired azimuthal position, means providing a plurality of spaced parallel lines in superposed relation to said map or chart and extending over substantially the entire face thereof, means providing a second plurality of spaced parallel lines in superposed relation to said map or chart and extending over substantially the entire face thereof, means for orienting said map or chart to any desired azimuthal position, and means for separately orienting said two pluralities of lines to a desired angular relation in which each of said pluralities of lines is disposed in alignment with a selected bearing.

2,235,178
PROCESS FOR TREATING NITRATED MATERIAL
Brian Porter Sutherland, Geoffrey Thorp Shaw, and Darcy Drummond Morris, Trail, British Columbia, Canada, assignors to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application June 14, 1938, Serial No. 213,718
5 Claims. (Cl. 91—68)

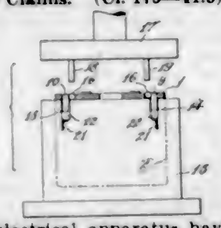
1. A process for increasing the acid resisting properties of fibrous nitrated cellulosic material which comprises the step of immersing the fibrous material in a solution formed by dissolving, in a solvent in which said material is not soluble, an aromatic amine compound selected from the group consisting of diphenylamine, meta-nitroaniline, alphanaphthylamine, diphenylnitrosamine and phenylalphanaphthylamine.

2,235,179
GEARING
Anthony Tangen, Detroit, Mich.
Application April 20, 1938, Serial No. 203,040
7 Claims. (Cl. 74—397)



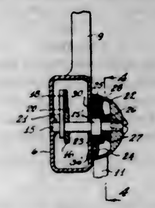
1. A gearing comprising a driving and driven gear and an idler gear transmitting the drive and disposed between the driving and driven gears with its axis spaced from the axial plane of the driving and driven gears, a housing enclosing said gears and means carried by the housing and accessible from the housing exterior for adjusting the idler gear towards said plane to compensate for gear tooth wear and for holding it selectively adjusted.

2,235,180
STATOR MOUNTING FOR VARIABLE CONDENSERS
John H. Teaf, Moorestown, N. J., assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J., a corporation of New Jersey
Application October 6, 1938, Serial No. 233,591
5 Claims. (Cl. 175—41.5)



4. In an electrical apparatus having a frame for carrying parts of the apparatus, an insulating support, for certain of said parts, fastened to the frame, said fastening including an opening in the frame to receive the insulating support, and a deformable metallic slug forced into the opening against the wall thereof and the insulating support which extends from the frame.

2,235,181
TRAFFIC SIGNAL
Frank Thiel, Detroit, Mich.
Application September 5, 1939, Serial No. 293,333
1 Claim. (Cl. 200—52)



An oscillating device comprising a fixed support, a shaft journaled therein, means for oscillating said shaft, a conducting brush carried by said shaft, a conducting ring loosely mounted on said shaft and engaged by said brush, said ring having spaced steps engageable successively by said brush, whereby said ring is rotated by oscillation of said brush, a conductor extending from said ring into engagement with said support, said support having an insulated spot engageable periodically by said conductor.

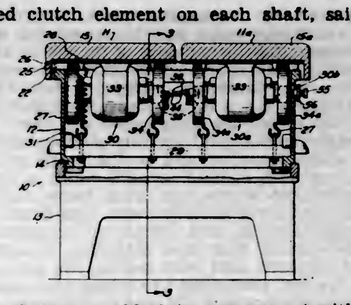
2,235,182
SACK HOLDER
Roy Weston, Toppenish, Wash.
Application August 29, 1939, Serial No. 292,536
2 Claims. (Cl. 248—97)



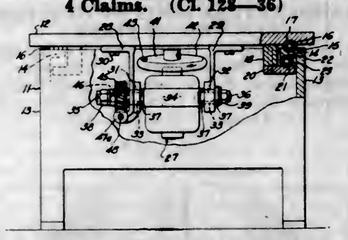
1. A sack holder comprising a supporting bracket, a frame consisting of a bridge piece turnably mounted on the bracket, tubular arms secured at one end to the bridge piece and having their open ends directed away therefrom, telescopic members consisting of rods slidable in the open ends of the arms, said arms and rods having prongs on the undersides being commonly downwardly extended then respectively forwardly and backwardly in oppositely directed hook-form to enable suspending a sack beneath the frame, and sleeves depending from the tubular arms at the open ends thereof, being alined with the contiguous hooked prongs for the backing in of the latter upon sliding the rods into the arms, thus causing the sleeves to automatically push the sack off said contiguous prongs.

2,235,183
THERAPEUTIC VIBRATOR
William L. Wettlaufer, Buffalo, N. Y.
Application May 11, 1939, Serial No. 272,981
7 Claims. (Cl. 128—52)

1. A therapeutic vibrator comprising a base, a pair of adjacent seats resiliently carried by the base, an electric motor mounted under each seat, each motor having an eccentrically located weight carried by its shaft, and a coupling for said motor shafts comprising a centrifugally operated clutch element on each shaft, said elements being movable into engagement with each other upon operation of said motors.

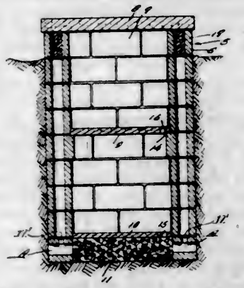


2,235,184
THERAPEUTIC VIBRATOR
William L. Wettlaufer, Buffalo, N. Y.
Application October 25, 1939, Serial No. 301,180
4 Claims. (Cl. 128—36)



1. In a therapeutic vibrator, a base, a seat resiliently carried by the base, an electric motor having a vibratory element secured to its shaft, said motor being formed with trunnions disposed laterally with respect to its shaft, said trunnions having axes substantially parallel to said seat, depending bearing means carried by the seat for rotatably receiving said trunnions, a driving mechanism for rotating said trunnions and accompanying motor, a manually operable driving shaft for said mechanism, and a bearing on the base through which the free end of said manually operable driving shaft extends.

2,235,185
BURIAL VAULT
Lindsay F. Wiley, Oliphant Furnace, Pa.
Application September 12, 1939, Serial No. 294,537
1 Claim. (Cl. 72—7)



A burial vault comprising vertically arranged walls composed of layers of composition blocks sealed together with certain of said blocks pro-

jecting inwardly of the other blocks to provide a ledge within the walls, said blocks having openings therein and the openings of the blocks aligning to provide air spaces within the walls and acting also as drainage mediums downwardly through the walls, a floor supported on said ledge to provide within the walls upper and lower burial compartments and including sections adapted to be sealed together and to the ledge, a cover resting on and secured to said walls, a second floor arranged within the walls below the first floor for the lower compartment, said floors having drain openings, and a drain pit arranged under the second floor and including loosely arranged material, said walls having the lowermost blocks thereof positioned to arrange the openings of said blocks horizontally and in communication with the drain pit and provided with openings connecting with the drain passages of said walls to permit moisture therein to reach the drain pit by way of the openings of the latter-named blocks.

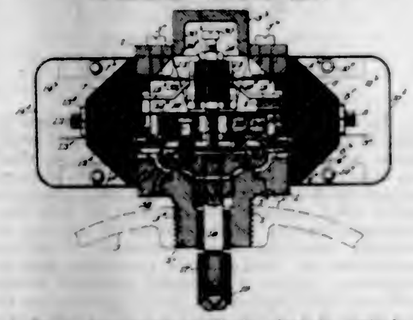
2,235,186

TEMPERATURE LIMIT SWITCH FOR ELECTRIC HEATERS

Harry W. Wilkinson, Mount Airy, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application December 7, 1939, Serial No. 308,076

17 Claims. (Cl. 200—137)



1. In a temperature limit electric switch; a thermostatic couple, of which one member is a metal tube subject to axial expansion and contraction by the temperatures to which the couple is subjected, and the other member is a rod substantially unaffected by the temperatures to which the couple is subjected, and extends in said tube; means connecting the members of said couple with each other at one end in relatively rotary and axially movable relation; a yoke rigidly connected with the free end of said rod; a snap spring frame, rigidly connected with said yoke and carried by said rod; a concavo-convex snap spring, formed of sheet metal, arranged to snap alternately in opposite directions, transversely to its plane, under pressure upon one face thereof, and having its perimeter mounted in said frame; a stationary compression ring, surrounding said rod and yoke and bearing upon the inner face of said snap spring; a spring switch lever arranged to be operated by said snap spring upon relative movement of the members of said couple; fulcrumed at one end and carrying a contact at its free end; an electric circuit terminal having a contact with which said spring lever contact is adapted to register; said switch lever and terminal being included in an electric circuit which is to be broken at a temperature limit to which said couple is subjected; and means for predetermining and varying the limit temperature of operation of said switch lever, by adjustably varying the pressure of the inner face of the snap spring on the compression ring.

2,235,187

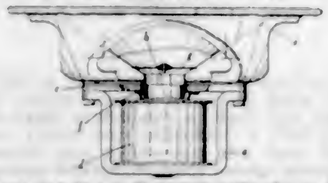
ELECTRODYNAMIC SOUND REPRODUCER

Harry Claude Willson, Wolverhampton, England

Application November 3, 1938, Serial No. 238,660

In Great Britain November 9, 1937

9 Claims. (Cl. 179—115.5)



1. In a moving coil sound reproducer having a flexible centering member secured to the diaphragm and anchored to the magnet, anchoring means comprising a part carried by the magnet and a part carried by the diaphragm, said parts being spaced apart to provide clearance between adjacent surfaces thereof in a direction at right angles to the direction of movement of said moving coil, one of said adjacent surfaces extending in a direction parallel to the direction of movement of said moving coil, and a body of hardened cementing material filling said clearance space between said two parts and joining said parts to each other.

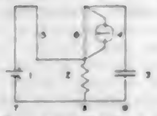
2,235,188

CHRONOSCOPIC METHOD AND APPARATUS

Robert L. Womer, Alton, and Edwin F. Florman, Wood River, Ill., assignors to Western Cartridge Company, East Alton, Ill., a corporation of Delaware

Application August 26, 1937, Serial No. 161,074

8 Claims. (Cl. 161—18)



3. Apparatus for velocity measurements comprising a complete electrical circuit composed of a source of electromotive force, a resistance, and a fragile conductor connected in series, an auxiliary circuit composed of a condenser and a second fragile conductor attached in series across the terminals of the said resistance, and an electrical charge measuring instrument connected in parallel to the said second conductor, and means for mounting the said conductors in spaced relation along a trajectory.

2,235,189

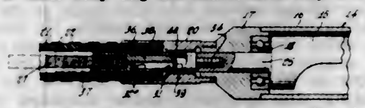
SHEATHED FLEXIBLE SHAFTING

Clarence J. Wuestner, Ardsley, N. Y., assignor to United Hoisting Co., Inc., New York, N. Y., a corporation of New York

Application May 17, 1939, Serial No. 274,137

3 Claims. (Cl. 64—4)

1. A sheathed flexible shafting of the kind adapted to transmit rotary drive between its driving and driven ends and wherein its interior shaft rotates within its non-rotary sheath, and characterized as follows: the interior shaft comprises flexible shaft sections with coupling pairs between sections for continuous connection and rotary drive, the female member of each pair comprising a rotary sleeve having a thin stop wall partially closing its entrance but leaving an offset entrance space, the male member comprising an elongated slide having a non-circular section adapted to occupy operatively said space and having a thin stop lug extended laterally from its



end into alinement with said stop wall, whereby the coupling pair while having rotary driving engagement is slidably self-adjustable lengthwise within the sheath, and whereby said stop wall and lug act as mutual stops preventing endwise uncoupling within the sheath, and whereby the coupling members of each pair when the shaft is removed from the sheath may at will be coupled or uncoupled by a relative swinging thereof to a substantial angle permitting the thin lug end to be tilted through the unclosed entrance space of the sleeve of the female member.

2,235,190

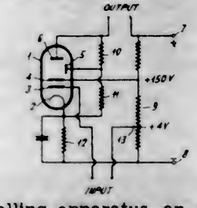
ELECTRONIC TUBE CIRCUIT

Gerrit Hendrik Petrus Alma and Johan Lodewijk Hendrik Jonker, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 9, 1938, Serial No. 194,788

In the Netherlands March 10, 1937

2 Claims. (Cl. 250—27)



1. In signalling apparatus, an electronic tube provided with a cathode, a control grid, an anode and an auxiliary cathode capable of emitting electrons when subjected to electronic bombardment, said auxiliary cathode being positioned relative to the other electrodes of said tube so as to intercept at least a portion of the electrons emitted by the cathode, and said anode being in such a position relative to the auxiliary cathode as to attract secondary electrons from said auxiliary cathode, a source of direct current voltage having a positive terminal and a negative terminal, a potentiometer resistance connected between said two terminals, a connection including a resistance element between the cathode and said negative terminal, a connection between the anode and said positive terminal, means for connecting the control grid to a point of said potentiometer resistance which in the operation of said apparatus is slightly positive with respect to the negative terminal, a circuit including a pair of resistors in series connected between the cathode and the anode of the tube, the resistance nearest the anode being high as compared to the other of said pair of resistors, and means for connecting said auxiliary cathode to a point of the last named circuit which is intermediate said two resistors.

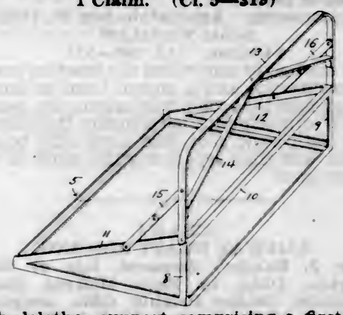
2,235,191

BEDCLOTHES SUPPORT

Firmin J. Arnould, Boise, Idaho

Application June 16, 1939, Serial No. 279,584

1 Claim. (Cl. 5—319)



A bedclothes support comprising a first frame to underlie a mattress at the foot of a bed, a vertical extension fixed to rise from said first frame to a height substantially on a level with the top of the mattress and to extend vertically along the end of the mattress, a side member extending between the upper part of said vertical extension and a remote part of the side of said first frame to lie along the side of the mattress, said side member being rigidly connected to said vertical extension and to said remote part of said first frame, a second frame arranged to lie flat on top of the mattress when not in use and to project above the top of the mattress in vertical prolongation of said vertical extension when in use, pivot means connecting the lower part of said second frame to the upper part of said vertical extension, and a collapsible toggle lever connected to and between said side member and said second frame for holding said second frame in erect position.

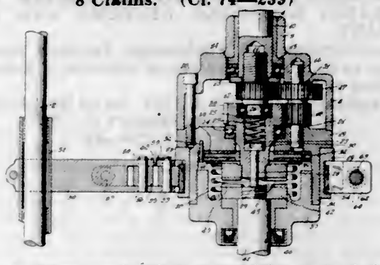
2,235,192

TORQUE CONTROLLED DRIVE

Roy W. Bailey, Detroit, Mich., assignor to Detroit Power Screwdriver Company, Detroit, Mich., a corporation of Michigan

Application July 31, 1940, Serial No. 348,638

8 Claims. (Cl. 74—259)



1. A drive mechanism comprising a tool driving shaft, a housing rotatably supported thereon, a transmission gear mechanism in said housing and connected to said drive shaft, a driven shaft extending from said housing and adapted to be driven by said transmission mechanism, a friction clutch normally locking said mechanism to said housing, adapted to slip on development of torque in said driven shaft, and a one-way slip brake engaging said housing, permitting unresisted rotation of said housing in the direction of said drive shaft and yieldingly resisting rotation in the opposite direction.

2,235,193
PREPARATION OF PHENOLIC RESINS
Emil H. Bahr, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application July 27, 1938, Serial No. 221,607
4 Claims. (Cl. 260—57)

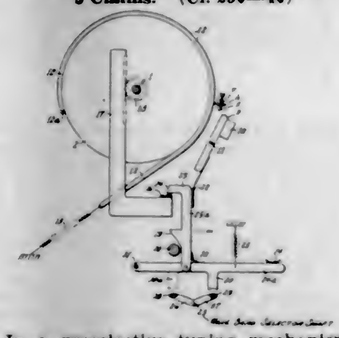
1. A method of separating the reaction product of formaldehyde and a phenol from an aqueous reaction mass that comprises causing the reaction product to precipitate by bringing the mass together with boric acid, said boric acid being in solution, and then separating the water to form a friable solid.

2,235,194
RAILWAY DRAFT RIGGING
Arthur J. Baseley, deceased, late of Shaker Heights, Ohio, by Ruth McKean Baseley, executrix, Shaker Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Original application December 5, 1935, Serial No. 53,612. Divided and this application July 27, 1938, Serial No. 221,529
9 Claims. (Cl. 213—72)



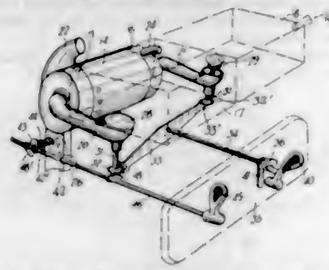
1. Railway draft apparatus including a yoke and a coupler having a shank and means for attaching one end of said shank to a car to allow said shank to be angled vertically and laterally with respect to said car, said means comprising a member pivotally attached to said shank on a substantially vertical axis and having a surface curved vertically and extending continuously and uninterrupted from top to bottom of the member, said shank being constructed and arranged to transmit draft forces from said shank to said yoke independently of said member.

2,235,195
PRESELECTIVE TUNING MECHANISM FOR RADIO RECEIVING SYSTEMS AND THE LIKE
David Arthur Bell, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 4, 1939, Serial No. 249,197
In Great Britain January 22, 1938
5 Claims. (Cl. 250—40)



1. In a preselective tuning mechanism for a radio receiver or the like, a plurality of abutment members fast with the tuning member of the receiver, a plurality of cooperating stop members individually movable into and out of the paths of said abutment members, said stop members and abutment members being in such mutual relationship that the permissible movement of the tuning member away from a datum position can be selected at any of a plurality of predetermined amounts by selecting an appropriate stop member to be moved into the path of its cooperating abutment member, means for biasing said tuning member away from said datum position, selector members for selecting any stop member to be moved into the path of the cooperating stop member, means actuated upon operation of any of the selector members for moving said tuning member to its datum position and then releasing it to move under its bias until it is stopped by the selected stop member, and means for retaining any abutment member and cooperating stop member which have engaged one another in such engagement until a fresh tuning operation is initiated.

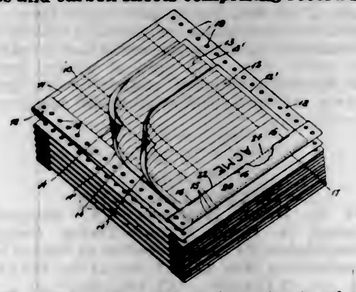
2,235,196
DISHWASHING MACHINE
Tord Erik Daniel Bilde, Stockholm, Sweden, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application November 24, 1937, Serial No. 176,384
In Sweden December 2, 1936
4 Claims. (Cl. 141—9)



1. A dishwashing machine, comprising a spraying system for washing liquid, a spraying system for rinsing liquid, a pump in each system, a flow control valve in each system, a discharge valve in the washing system, and means operable to connect said flow control valves and said discharge valve, said means comprising manipulating means to actuate the valves so as to open and close the flow control valves alternately and to open the flow control valve of the washing system when the discharge valve is opened.

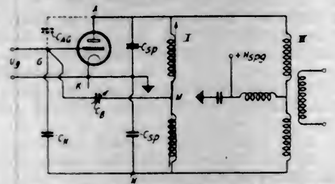
2,235,197
MANIFOLDING
Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application January 13, 1936, Serial No. 58,862
12 Claims. (Cl. 282—12)

1. A manifolding pack comprising a continuous runner strip folded at predetermined intervals to form a zigzag pack, a plurality of groups of superposed record sheets and carbon sheets, and means for securing said groups of sheets and all the sheets of each group to the runner strip with one group following after the other along the runner strip, each group of superposed record sheets and carbon sheets comprising record sheets



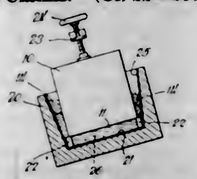
of different lengths and carbon sheets of corresponding lengths.

2,235,198
ANODE NEUTRALIZING CIRCUIT FOR SHORT WAVES
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 13, 1937, Serial No. 136,537
In Germany April 24, 1936
6 Claims. (Cl. 179—171)



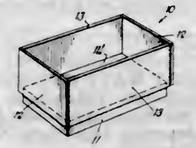
4. In a neutralized amplifier system, an electron discharge device having a control electrode and cathode on which wave energy to be amplified is impressed, said device having an output electrode from which amplified wave energy is derived, inductive means for tuning out the capacitive susceptance between the control electrode and output electrode to substantially reduce voltage transfer from the latter to the former, and means including inductance for balancing out the conductance introduced between said control electrode and output electrode by said inductive means to additionally neutralize said device and circuit.

2,235,199
METHOD OF CLADDING STEEL
Thomas B. Chace, Winnetka, Ill.
Application November 5, 1938, Serial No. 239,086
3 Claims. (Cl. 22—204)



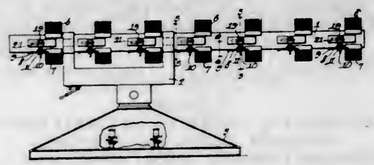
1. The method of cladding a single surface which is to be worked and rolled of a slab of backing metal with a layer of facing metal which comprises; preheating said slab with said surface submerged in molten slag, transferring the preheated slab into a mold in such manner that said surface is on the bottom and spaced from the floor of said mold a distance equal to the desired thickness of said facing layer, securing said slab in its position in said mold, pouring facing metal into said mold, tilting said mold to allow substantially all slag to rise to the surface of the molten facing metal.

2,235,200
METHOD OF MAKING COMPOSITE METAL
Thomas B. Chace, Winnetka, Ill.
Application April 24, 1939, Serial No. 269,642
8 Claims. (Cl. 22—204)



7. Method of bonding copper to the surface of a body of alloy containing chromium in sufficient amount to produce a weld interfering film of chromium oxide which comprises applying to the surface of the alloy an acid solution capable of dissolving the oxide film, removing the excess acid, and while the surface of the alloy is still wet with a film of the acid solution, applying powdered flux to said wet surface, preheating the body of alloy to cause fusion of the flux, and pouring molten copper into contact with the fluxed surface.

2,235,201
ELECTRIC GUN
Arthur A. Cole, Newark, N. J.
Application March 27, 1939, Serial No. 264,451
1 Claim. (Cl. 124—3)

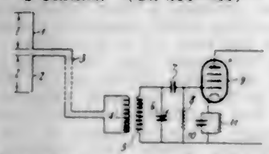


An electric gun including a barrel having spaced aligning slots at diametrically opposed points, said slots being extended longitudinally of the barrel, a circuit including a source of electrical energy, electro-magnets disposed along the barrel in spaced relation, a closure on the barrel for each slot, each closure including a housing having an opening communicating with the slot, means for adjusting each closure and housing thereon longitudinally of the barrel whereby said opening may be placed in any position along said slots, photo-electric cells connected in series with the magnets and located in the housings at one side of the barrel, light bulbs in the housings at the opposite side of the barrel and cooperating with said cells, a projectile in said barrel, and means whereby the movement of said projectile in the barrel cutting the light rays from said bulbs to the cells, automatically energizes the magnets successively to draw the projectile through the barrel and discharge the same therefrom.

2,235,202
GLUE AND PROCESS OF MANUFACTURE THEREFOR
Charles N. Cone, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
No Drawing. Application October 27, 1937, Serial No. 171,322
11 Claims. (Cl. 134—23.8)

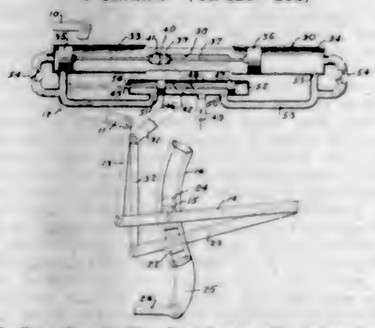
5. A collagenous glue suitable for gluing wood and having a water content in excess of four times its protein content and spreadable at a temperature below 92° F., comprising as its principal adhesive constituent a hydrolysis product of collagen, a vegetable tannin, and an alkali metal silicate, the alkaline content being in sufficient quantity to react with the tannin.

2,235,203
ULTRA SHORT WAVE RECEIVING SETS
Arnaud Cramwinckel, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 28, 1938, Serial No. 210,606
In Germany July 5, 1937
3 Claims. (Cl. 250—20)



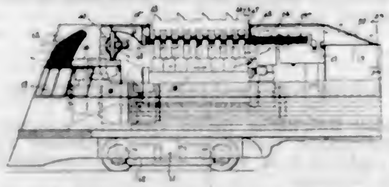
1. An ultra short radio wave receiving set arranged for the reception of a predetermined comparatively narrow frequency spectrum and comprising a receiving electron discharge device circuit coupled to a doublet antenna having two arms, wherein the electrical length of each of the arms of the doublet antenna is about five-eighths of the wavelength that corresponds to a frequency spectrum and for this frequency the input resistance of the receiving circuit is equal to the radiating resistance of the antenna and the input reactance is opposed to the antenna reactance.

2,235,204
LOCOMOTIVE VALVE OPERATING DEVICE
Martin W. Dadey, Oakland, Calif.
Application February 12, 1937, Serial No. 125,412
5 Claims. (Cl. 121—162)



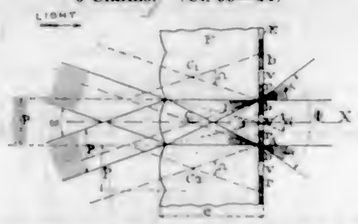
1. In a locomotive having a cylinder and steam admission and exhaust valves therefor, means for controlling said valves comprising in combination, levers for said valves, blocks on said levers, a link for said blocks, a reach rod operatively connected to said admission valve levers, said connection including a bellcrank, a power operated cylinder operatively connected to said exhaust valve lever, and control means for said power operated cylinder connected for positive actuation by said bellcrank upon operation of said reach rod.

2,235,205
DOUBLE END TRAIN
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1937, Serial No. 141,574
2 Claims. (Cl. 105—62)



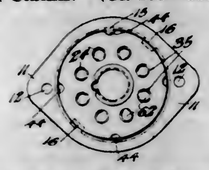
2. In a train of the class described having at at least one end thereof a vehicle body including a roof thereover, the frontal area of the body below the roof having an opening therein, said roof rearwardly of said frontal area having an opening therein vertically between its top portion and a lower roof portion which extends rearwardly of said top portion, said openings having communication with the body interior and being of a size and relative location in the air stream to act with substantially equal efficiency as air intake or air outlet, depending upon the direction of travel of the train.

2,235,206
METHOD AND APPARATUS FOR PROJECTING AND FOR COPYING BY PROJECTION LENTICULAR FILMS IN COLOR OR IN RELIEF
Anne Henri Jacques de Lassus Saint Genies, Versailles, France
Application February 4, 1939, Serial No. 254,708
In France February 11, 1938
6 Claims. (Cl. 88—24)



1. Process for avoiding loss of light issuing from lenticular films during the projection thereof due to scattering of the luminous beams by refraction in their lenticular elements, consisting in giving the angle Φ defining, from the plane of said film, the entrance pupil of the projecting objective a value approximately equal to the sum of the angle Ω defining, from the plane of said film, the aerial image formed by said film of the exit pupil of the objective used in recording and the angle ω defining, from the plane of said film, the surface of the source of light.

2,235,207
THERMIONIC TUBE SOCKET
Hugh H. Eby, Philadelphia, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 30, 1937, Serial No. 156,481
4 Claims. (Cl. 173—339)

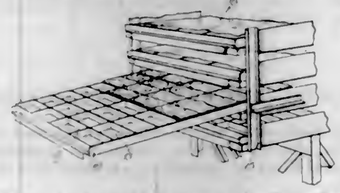


2. In radio tube sockets, a supporting device having a wall and a flange, a resilient tongue formed in the wall extending away from the flange and providing a curved shoulder spaced from the flange, and a socket receptacle formed of two layers associated with said device and having a portion of both layers in the space between the shoulder and the flange to hold the receptacle and device together.

2,235,208
COLORATION OF TEXTILE AND OTHER MATERIALS WITH ANTHRAQUINONE DYESTUFFS
George Holland Ellis and Henry Charles Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 21, 1938, Serial No. 231,016. In Great Britain October 9, 1937
7 Claims. (Cl. 8—40)

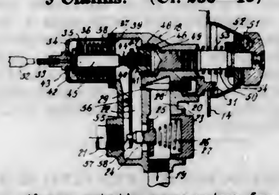
1. Process for the coloration of artificial filaments, yarns and other materials containing organic derivatives of cellulose, which comprises coloring them with anthraquinone derivatives which contain an auxochrome group and, attached directly to an aromatic nucleus, a substituent radicle selected from the group consisting of the sulpho-alkyl, sulpho-alkoxy and sulpho-alkyl-thio radicles which contain at least two carbon atoms.

2,235,209
METHOD OF FREEZING AND PACKAGING FOODS
Robert P. Fletcher, Jr., Glencoe, Ill., assignor to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware
Application April 14, 1938, Serial No. 201,988
5 Claims. (Cl. 62—170)



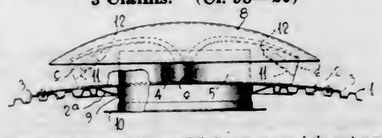
4. The method of preparing foods in irregular sizes and shapes for the market which consists in placing in a relatively fragile open top container a predetermined weight of said food without attempting a regular arrangement thereof whereby some portions of the food project above the side walls of the container and portions of said container are unfilled, then placing the container in a rigid metal form having an open top and defining therein a space, the lateral and vertical dimensions of which correspond substantially to those of the container, then placing said form and container between refrigerated plates and relatively moving the plates to a defined extent to apply pressure and thereby to compress and rearrange the food so that the container is completely filled and then quick freezing said food while maintaining said pressure condition.

2,235,210
SELF-COMPENSATING THERMOSTATIC APPARATUS
Edward L. Fonseca, Newark, N. J., assignor to The Wilcolater Company, Newark, N. J., a corporation of Delaware
Application January 5, 1933, Serial No. 650,255
9 Claims. (Cl. 236—15)



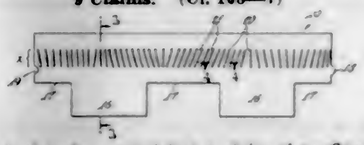
1. In a thermostatic apparatus for controlling the temperature of a gas range oven, the combination of a gas supply valve for the oven burner, a thermostat responsive to the temperature of the oven, a thermostatic lever pivoted intermediate its ends and connected at one end to the thermostat and at the other end to the valve and responsive to extraneous temperatures for modifying the setting of the valve, and means for adjusting the thermostatic lever about its pivot independently of the thermostat.

2,235,211
VENTILATOR
John H. Gemenden, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 7, 1937, Serial No. 135,373
3 Claims. (Cl. 98—20)



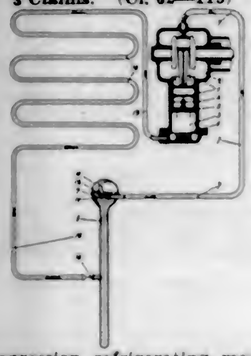
1. A ventilator for vehicles comprising two opposed pairs of reversely curved vanes mounted on the top of the roof, the vanes of each pair being in substantial contact at one end, the lines of contact of said pairs of vanes lying in a common plane at substantial right angles to the roof and extending longitudinally of the vehicle, a base plate upon which said vanes are mounted, a dome-shaped cover plate secured to the upper edges of said vanes and having a marginal edge, the marginal edge of said cover plate being spaced from said roof and base plate, and said pairs of vanes being spaced apart to form between them a transversely extending conduit having open ends, and a stack projecting up through said roof and passing through and secured to said base plate into the space between said pairs of vanes but terminating short of said cover plate whereby it is in free communication with both open ends of the conduit.

2,235,212
ASPHALT STRIP SHINGLE
Louis Herscovitz, Park Ridge, Ill., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application April 23, 1940, Serial No. 331,074
9 Claims. (Cl. 108—7)



5. A shingle comprising a strip of roofing felt having on its upper surface two layers of bituminous coating substance each faced with particles of mineral matter, one surfaced on the other, said strip having the lower edge of its body portion formed with alternate tabs and recesses of complemental form, and a band extending lengthwise of the body of the strip intermediate its upper and lower edges, said band being formed in a series of spaced apart depressions in the second coating layer extending across the width of the band and at various inclinations to its longitudinal edges.

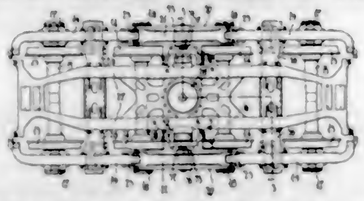
2,235,213
COMPRESSION REFRIGERATING MACHINE
Willy Hirche, Leopoldshain, Germany
Application September 4, 1936, Serial No. 99,436
In Germany September 24, 1935
3 Claims. (Cl. 62—115)



1. A compression refrigerating machine with oil circulation, comprising in combination a compressor, a condenser, an evaporator and an expansion valve located in a plane entirely below the compressor and condenser and connected directly to the condenser, said compressor being of such construction whereby oil unrestrictedly flows therethrough, a single oil collecting chamber in the machine located in said evaporator at the upper end thereof and adapted to collect all the oil in circulation in the machine, and a common conduit between said compressor, condenser, evaporator and expansion valve adapted to convey the oil with the refrigerant through said compressor, condenser and expansion valve to said evaporator.

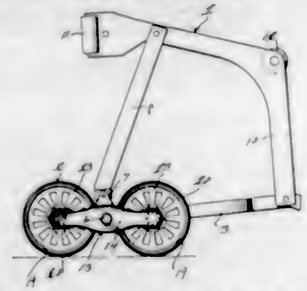
2,235,214
RAILWAY CAR TRUCK
George T. Johnson, Columbus, Ohio, Jerome G. Bower, New York, N. Y., and Harry W. Stertzbach, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application February 4, 1939, Serial No. 254,710
16 Claims. (Cl. 105—183)

1. In a railway car truck, a wheel-supported intermediate side frame member having upstanding side walls and an open top, and an equalizer member of substantially the same length as said intermediate member, extending into the intermediate member through the open top of the latter and arranged partially between said up-



standing side walls, a retaining pin passing through the longitudinal central portions of the intermediate member and equalizer and pivotally supporting the equalizer on the intermediate member, and wheel-supported end side frame members movably connected to the ends of the equalizer member.

2,235,215
LOGGING YARDER
Paul B. Kelly, Prineville, Oreg.
Application March 23, 1940, Serial No. 325,623
5 Claims. (Cl. 280—81)

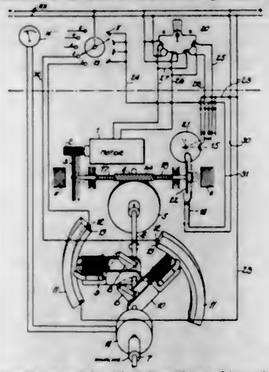


4. A wheel supporting means of the character described, comprising a pair of supporting members having spaced opposed faces, a collar detachably secured against one of said faces, a spindle having an end removably secured in said collar and adapted to extend transversely between the supporting members and between the opposing faces, means integral with the other end of the spindle forming a securing flange which is detachably coupled with and against the other face, and means for rotatably supporting a wheel on the spindle.

2,235,216
DEVICE FOR THE REMOTE READJUSTMENT OF ROTARY MEMBERS
Rudolf Köberich, Berlin-Karlshorst, and Ernst Fricke, Berlin-Pankow, Germany, assignors to General Electric Company, a corporation of New York
Application November 5, 1938, Serial No. 238,968
In Germany November 8, 1937
9 Claims. (Cl. 192—139)

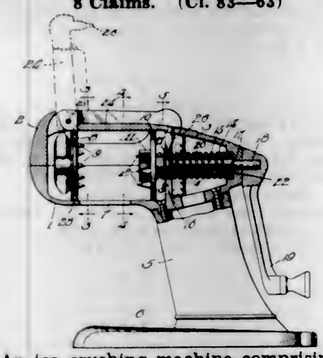
1. In a radio receiving apparatus, an adjustable controlling element, a plurality of selectively operable means each acting upon operation to effect the movement of said element to a desired position, each of said means comprising a member adjustable with respect to said element whereby

each desired position may be adjustably predetermined, means for operating said selectively operable means from a remote point and means



for selectively and individually adjusting any one of said members with respect to said element from said remote point.

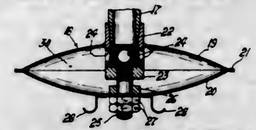
2,235,217
ICE CRUSHING MACHINE
Paul F. Koch, Oak Park, Ill., assignor to Chicago Die Casting Manufacturing Company, a corporation of Illinois
Application January 13, 1940, Serial No. 313,691
8 Claims. (Cl. 83—63)



1. An ice crushing machine comprising a casing, a rotatable shaft section extending into said casing and having a handle on the outer end, a second shaft section within the casing in telescoped relation to the first shaft section and interlocked therewith against relative rotary movements, a stationary crushing element in the casing, a cooperating movable crushing member carried on one end of said second shaft section, the second shaft section having external screw threads, and a stationary element adapted to engage with said screw threads and cause the second shaft section to move lengthwise on the first section when the handle is turned.

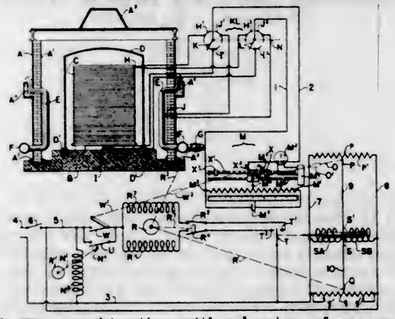
2,235,218
DIFFUSION APPARATUS
Arthur C. Koenig, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 30, 1939, Serial No. 297,411
3 Claims. (Cl. 261—121)

1. An ammonia diffusion head comprising two similar flexible thin-walled concave disks, a hollow member secured to and extending from both sides of one of said disks, a threaded member secured to the end of said hollow member adjacent the concave side of the disk to which said



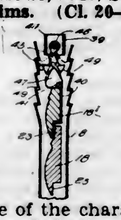
hollow member is secured, and threaded means carried by the remaining one of said disks and protruding from both sides thereof, said threaded means engaging with said threaded member to secure said disks together and form a chamber therebetween.

2,235,219
FURNACE CONTROL
Anker E. Krogh, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 7, 1937, Serial No. 167,718
9 Claims. (Cl. 236—15)



1. The combination with a heater, of means including a single meter for alternately measuring the temperature of the heater and the temperature of work heated therein, a device adjustable to regulate the heat supply to the heater, and controlling means cooperating with the first mentioned means to adjust said device to increase or decrease said rate, if not already at its maximum or minimum, respectively, on and in accordance with decreases and increases in the work temperature measured when the latter exceeds a predetermined temperature, and to reduce said rate, if not already at its minimum, whenever the heater temperature measured exceeds a second predetermined temperature.

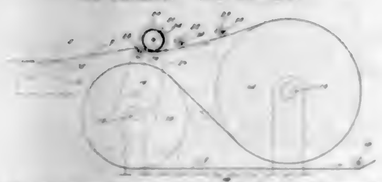
2,235,220
WINDOW SHUTTER
Henry A. Krueger, Spokane, Wash.
Application August 28, 1940, Serial No. 354,616
4 Claims. (Cl. 20—61)



1. In a structure of the character described, a head box open along its bottom, tracks extending

vertically under end portions of the box, a roller in said box, a flexible curtain wound upon said roller and extending out of the box through the open end thereof, said curtain having upper and lower sections, means for shiftably connecting the lower section with the upper section and limiting vertical movement of the sections relative to each other, tracks for engaging side portions of the curtain and guiding vertical movement thereof, a rack extending longitudinally of one track, a dog carried by the upper curtain section and normally out of engagement with the rack, and means carried by the lower curtain section for engaging the dog and moving the dog into engagement with the rack to hold the curtain against upward movement to open position when the lower curtain is shifted upwardly relative to the upper curtain section.

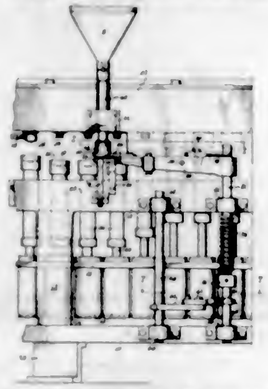
2,235,221
METHOD AND APPARATUS FOR TREATING YARN
Dotry Winslow Lance, Malbern, Ark., assignor of two-thirds to Samuel Pitman Rakestraw, La Grange, Ga.
Application June 3, 1938, Serial No. 211,544
10 Claims. (Cl. 28—28)



1. In a machine for slashing yarn, the combination of means forming a yarn path and comprising in order a roller for engaging one side of the yarn, and a brush engaging the opposite side of the yarn and acting to push the yarn against the roller, two slasher cylinders arranged side and side for rotation about their respective axis and disposed so that the yarn from the brush is trained over the first cylinder, then in a reverse direction under the first cylinder, then looped in S-shaped form about the second cylinder, the second cylinder being of less diameter than the first cylinder and located beneath the brush and its associated roller for heating the same and for heating the yarn as it passes the brush, the cylinders being power driven and acting to draw the yarn along its path, under tension driving means between said second cylinder and the brush to rotate the brush at a peripheral speed less than that of the lineal travel of the yarn past the same under the pulling effect of said second cylinder and a driving connection between the brush and roller to cause the peripheral speed of the roller to be less than that of the yarn as it passes the rollers.

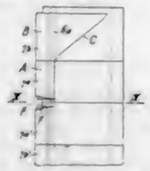
2,235,222
MOLD CHARGING MECHANISM
John Lauterbach, Philadelphia, Pa., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application February 23, 1938, Serial No. 192,088
5 Claims. (Cl. 18—30)

1. Feeding mechanism for rotary molding machines of the type including a stationary casing, a rotary carriage disposed within the casing, an annular series of mold units mounted on the carriage and movable therewith, each unit including a mold having an upwardly facing mold cavity, and means for rotating the carriage to move the individual molds successively through a charging zone, said mechanism including a stationary chute for moldable material, a rock-shaft pivoted to the casing, a charging arm secured to the rock-shaft, charge transferring instrumentalities mounted on the charging arm for transferring measured charges of moldable material from the



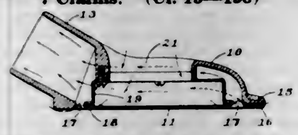
chute to the mold cavities of successive molds passing through the charging zone, a second rock-shaft pivoted to the casing, and means connecting the two rock-shafts to impart rocking movement from the first mentioned shaft to the last mentioned shaft, said connecting means including a member secured to the latter shaft and projecting into the path of movement of the mold units and engageable therewith.

2,235,223
VALVE DISTRIBUTION FOR PISTON STEAM ENGINES, ESPECIALLY LOCOMOTIVE STEAM ENGINES AND THE LIKE WITH REVOLVING REVERSING SHAFTS
Hugo Lentz, Berlin, Germany
Application June 23, 1937, Serial No. 150,000
In Germany June 26, 1936
5 Claims. (Cl. 121—167)



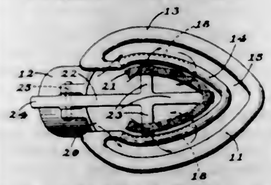
1. In a poppet valve gear for piston steam engines, especially locomotive and marine engines, the combination of rotary axially shiftable admission and discharge cams, and means for axially shifting said cams, each admission cam having a running-on surface and a running-off surface, the running-on surface on its entire axial length ascending to the same height throughout with generating lines parallel to the axis of rotation, a portion of the running-off surface for the minimum, normal charge descends with generating lines parallel to the axis of rotation whereas the remaining portion for adjusting larger charges merges into a cylindrical surface descending towards the axis of rotation with an approximately helical shaped running-off surface extending from the running-off surface for setting the minimum normal charge.

2,235,224
SUCTION NOZZLE
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application July 11, 1939, Serial No. 283,767
7 Claims. (Cl. 15—158)



1. A suction nozzle including a body member having a contact surface with a pointed end and a curved periphery with a suction opening substantially annular in shape adjacent its periphery, a smooth lip extending around the outside of said suction opening, and a smooth lip extending around the inside of said suction opening spaced inwardly from the plane of said first-named lip, said body member having an opening communicating with the atmosphere at one end and permitting air to flow into said suction opening across said inside lip, said first-named lip having an arched opening at the pointed end of the contact surface.

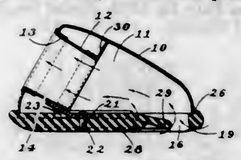
2,235,225
SUCTION NOZZLE
Adrian E. Ross, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application July 11, 1939, Serial No. 283,753
4 Claims. (Cl. 15—158)



1. A suction nozzle including a body member having a base pointed at one end, a smooth lip extending from the pointed end along the periphery at opposite sides of said base, said base having a suction opening adjacent said lip, an inner lip extending from said base parallel to said first-named lip along the opposite side of said suction opening, said base having a passage communicating with the atmosphere remote from said pointed end and communicating with said suction opening across said inner lip, baffle members extending between said first-named lip and said inner lip to direct air entering portions of said suction opening to the pointed end of said base, and a connection member communicating with the interior of said body member.

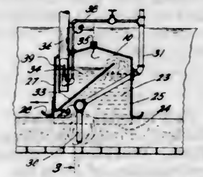
2,235,226
SUCTION NOZZLE
Gustaf Einar Lofgren, Riverside, and Adrian E. Ross, Stamford, Conn., assignors to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application July 11, 1939, Serial No. 283,768
7 Claims. (Cl. 15—155)

1. A suction nozzle including a body member having a chamber, a connection member for said body member communicating with said chamber, a plate of substantially oval shape secured to said body member having a passage communicating with said chamber, a smooth lip extending outwardly from the periphery of said plate and forming a flat contact surface, a second smooth lip extending from said plate parallel to



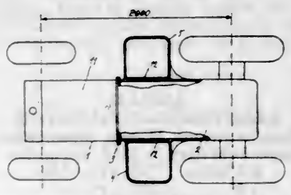
and defining with said first-named lip a suction opening communicating with said passage, and a channel in said plate communicating with the atmosphere at one end of said plate and across said second lip with said passage at the other end.

2,235,227
FILTER BED CLEANING
Charles Lose, Jr., Cranford, N. J.
Application April 22, 1938, Serial No. 203,633
8 Claims. (Cl. 210—128)



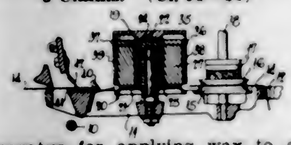
1. A filter bed cleaner adapted for movement over a downward-flow filter bed of which the under surface is engaged by the filtered liquid, comprising a chamber with an open bottom adjacent the upper surface of said bed, means for stirring up said filter bed substantially from top to bottom thereof beneath said chamber and opening portions thereof to facilitate the upward passage of liquid through said filter bed, and means for introducing compressed air into the lower parts of such open portions to effect upward-movement through such open portions and into said chamber of filtered liquid from beneath said bed.

2,235,228
MOTOR TRACTOR WITH GAS PRODUCER MOUNTED THEREON
Hans Lutz, Berlin-Charlottenburg, Germany
Application May 24, 1938, Serial No. 209,755
In Germany May 27, 1937
8 Claims. (Cl. 180—1)



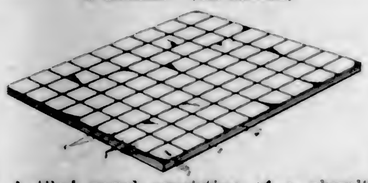
1. A motor tractor with gas producer, comprising in combination a cast tractor body, and a gas producer having a cast lower part rigidly fixed on a fitting surface at one of the sides of the tractor body by means of cast-on flanges, and an upper part serving as fuel tank flanged on the said cast lower part.

2,235,229
WAXING ATTACHMENT
Thomas S. Lytton, Gastonia, N. C., assignor of one-half to Benjamin F. Austin, Gastonia, N. C.
Application July 20, 1939, Serial No. 285,579
3 Claims. (Cl. 91—36)



1. Apparatus for applying wax to a strand, comprising a rotatable disk, means for passing a strand over the upper surface of the disk, an upstanding portion integral with the center of said disk, an annular cake of wax disposed around said upstanding portion and having a substantial clearance between the inner surface of the wax and the upstanding portion, means for passing a strand between the lower surface of the wax cake and the disk member, an inverted cup-shaped member disposed over and around the wax for confining the wax and retaining the wax in its annular condition, and an annular member disposed within the cup and resting on the upper surface of the cake of wax for pressing the wax into contact with the strand.

2,235,230
PLYWOOD TILING
James A. Malarkey, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oregon, a corporation of Oregon
Application August 22, 1938, Serial No. 226,097
2 Claims. (Cl. 20—91)



1. A tiled panel consisting of a plurality of plies of wood veneer, the grain of each ply of veneer being disposed transversely of the grains of adjacent plies bonded thereto, each of said plies of veneer being coextensive with every other ply in said panel, the ply of veneer forming the principal surface of said panel containing intersecting saw cuts of a depth substantially equal to the thickness of said surface veneer, said saw cuts being disposed to create a crack resisting surface of substantially independent units of wood veneer, the whole extent of said surface being composed of said ply of veneer wherein the grain runs in the same direction throughout said surface.

2,235,231
ELECTRICAL CONNECTOR
Michael Anthony Mattis, Shamokin, Pa.
Application February 7, 1940, Serial No. 317,763
4 Claims. (Cl. 173—340)



1. In a connector, an insulating block having a longitudinal groove therein, the groove being of greater depth through the intermediate portion thereof and having inclined longitudinal ends leading substantially to the surface of the block, conductive pin members projecting into the groove and mounted in the inclined ends of the groove, insulated wires having the ends thereof projecting longitudinally into the groove, and so arranged as to engage the pins, the pins being connected by electrically conductive means, and an insulating wedge having an intermediate portion and inclined ends shaped to correspond to the longitudinal profile of the groove, said wedge holding said pins pierced in said wires and in contact with the conductors thereof, and means to secure said wedge in holding position.

2,235,232
METAL ALLOY
Lewis A. McElroy, Erie, Pa., assignor to The Macolite Company, Millcreek Township, Erie County, Pa., a corporation of Pennsylvania
No Drawing. Application December 27, 1938, Serial No. 247,949
1 Claim. (Cl. 75—176)

A metal alloy consisting of zirconium, 1 to 10%, and the balance to make 100% of chromium, cobalt and tungsten in the proportions based on the total mass, chromium 25 to 40%, cobalt 40 to 60%, tungsten 10 to 20%.

2,235,233
LOCK WASHER
John A. McGrew, Albany, N. Y.
Application July 15, 1940, Serial No. 345,657
4 Claims. (Cl. 151—35)



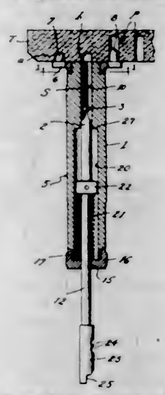
1. A spring washer comprising a spring metal member having an aperture for the reception of a bolt or the like, said member having substantially cylindrical convex and concave surfaces, said concave surface having three spaced points adapted to engage a flat surface, two of said points being relatively sharp, and said convex surface being adapted to effect line contact with another flat surface when said washer is partially compressed between said flat surfaces.

2,235,234
PROCESS FOR STRIPPING DYES
Robert Wighton Moncrieff, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 17, 1939, Serial No. 262,491. In Great Britain March 30, 1938
3 Claims. (Cl. 8—81)

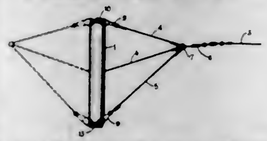
2. Process for the stripping of water-insoluble dyes from cellulose acetate materials, which comprises subjecting the materials to the action of a swelling liquid comprising a mixture of methylene chloride with a hydrocarbon, containing from 55 to 80% of the former.

2,235,235
TOOL
Manley R. Price, Lakewood, Ohio
Application January 12, 1939, Serial No. 250,599
2 Claims. (Cl. 145—50)

1. A device for driving a headed fastener into one of a number of prearranged spaced sockets in the work, said device comprising a body adapted to be grasped by and supported in one hand of an operator, said body having a tool slidably arranged in it, a bore in the body adapted to receive an elongated fastener substantially entirely therewithin and to guide the head into cooperative engagement with one end of the tool, and short pins on the body parallel to the tool axis and diminishing in cross section toward their extremities, said pins being arranged for selective engagement with a plurality of said sockets in the work in a manner to align the tool with another one of such sockets.



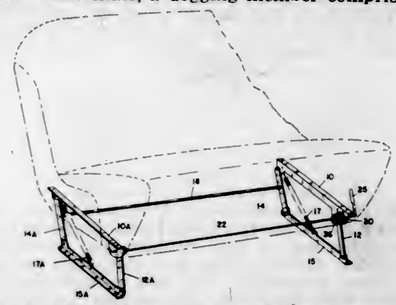
2,235,236
FISHING TACKLE FLOAT
Paul Ramseier, Louisville, Ky.
Application November 7, 1938, Serial No. 239,221
3 Claims. (Cl. 43—49)



1. A kite type float of the class described comprising: a longitudinal buoyant body presenting, in its longitudinal vertical plane, a planar keel; and a polyhedral sling having at least three lines connected to the periphery of said body at spaced points substantially within said plane, at least two lines of the sling being long enough to form a loop through which the body may be inverted to reverse the relative positions of the sling and body without necessarily detaching any of the sling lines from the body.

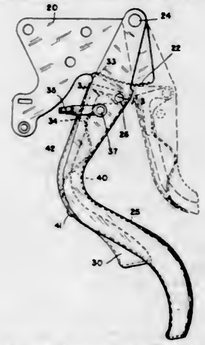
2,235,237
ADJUSTABLE SUPPORTING MEANS
Walter S. Saunders and Thomas A. McGregor, Pontiac, Mich., assignors to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application May 31, 1938, Serial No. 210,942
8 Claims. (Cl. 155—14)

3. Means for adjustably supporting a seat or the like comprising in combination with a suitable support and a pair of links of substantially equal length articulated at one end thereto in spaced parallel and substantially coaxial relation, a frame pivoted to the outer end of each of said links, and latching means for releasably holding said links against swinging movement, including a rod member extending through and between corresponding points of pivotal connection of said links, a dogging member comprising



a plate adjacent each link and frame assembly and movable toward and from such assembly, the rod being rotatable independently of the links, and cam means actuable by the rod for actuating the dogging members.

2,235,238
OPERATING LEVER MECHANISM
Walter S. Saunders, Pontaic, Mich., assignor to American Forging & Socket Company, Pontaic, Mich., a corporation of Michigan
Application May 15, 1939, Serial No. 273,610
7 Claims. (Cl. 74—537)

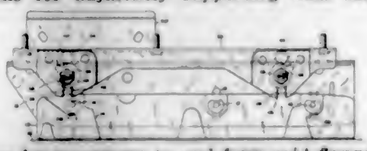


1. An operating lever mechanism for brakes and the like comprising in combination with a support, a lever pivoted thereto, a clutch member pivoted on the lever and releasably engageable with a cooperating clutch portion carried by the support, and a trigger member mounted co-pivotally with the clutch member upon the lever and limitedly swingable independently of said clutch member but engageable therewith to release the same, said trigger member extending generally parallel to the main lever and being limitedly swingable with relation thereto to actuate the clutch member.

2,235,239
ADJUSTABLE SUPPORT
Walter S. Saunders, Pontaic, Mich., assignor to American Forging and Socket Company, Pontiac, Mich., a corporation of Michigan
Application October 9, 1939, Serial No. 298,591
4 Claims. (Cl. 155—14)

1. In a supporting device for seats and the like, in combination with a track having a substan-

tially horizontal flange, a carriage rollable over said track flange and having a web portion extending downwardly beside and below said flange, said web portion having a slot therein extending transversely of said flange, a take-up roller carried by said web and underengaging said flange, means for adjustably supporting said take-up



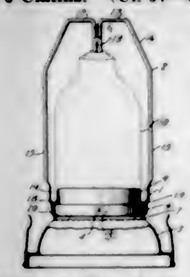
roller for movement to and from said flange, including a stub shaft adjustably mounted in said slotted portion of said web portion, releasable means for rigidly holding said stub shaft against unwanted movement, and cam means reacting against said shaft and web portion for forcing said stub shaft in a desired direction with respect to said web.

2,235,240

MANTEL HOLDER

Hiram W. Strong, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation

Application May 31, 1939, Serial No. 276,491
6 Claims. (Cl. 67—38)



5. In a mantel holder of the class described, an annular ring adjacent the lower portion of the mantel, a flame directing flange extending inwardly from the annular ring, a supporting structure below the annular ring, and a mantel support carried by the supporting structure, the lower end of the mantel support being flattened from its point of attachment to a point above the top of and spaced from the annular ring to provide a heat radiating portion.

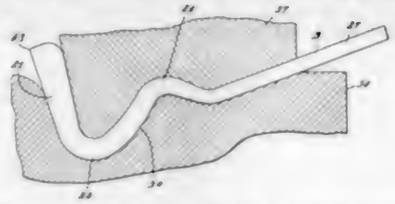
2,235,241

HINGE AND METHOD OF MAKING MEMBERS THEREFOR

William J. Tierney, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, a copartnership composed of Seth B. Atwood and James T. Atwood, Rockford, Ill.

Application February 5, 1940, Serial No. 317,283
8 Claims. (Cl. 29—11)

1. The method of making hinge members which consists in subjecting a bar of rectangular cross-section to a combination rolling and forming operation between rollers, whereby to form from a single bar a plurality of connected blank portions having the grain running lengthwise of all of said blank portions, each blank portion as a result of the rolling operation having increased width and decreased thickness at one end and intermediate thicknesses and widths intermediate the ends and substantially the original width and thickness of the bar at the other end, then cutting the blanks from the bar, then bending the last named end



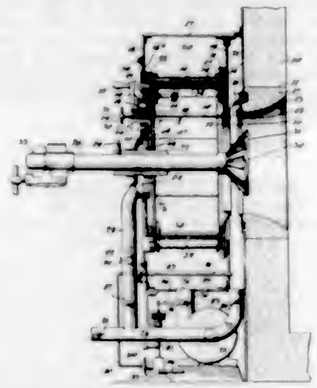
portion into substantially right angled relation to the first named end portion, and drilling a pintle hole crosswise of the last named end portion.

2,235,242

WIDE RANGE AIR REGISTER

Robert C. Vroom, Montclair, N. J., assignor to Peabody Engineering Corporation, New York, N. Y., a corporation of New York

Application January 30, 1939, Serial No. 253,609
16 Claims. (Cl. 158—1.5)



1. In combination, an air register having a discharge opening, air admission means including peripheral air admission ports to supply air to said register, and means to withdraw a portion of the air from said register after passage through said ports and prior to passage through said discharge opening, so as to control the quantity of air discharged therethrough.

2,235,243

FERROUS METAL ARTICLE AND METHOD OF PRODUCING SAME

Joseph S. Adelson, Shaker Heights, Ohio, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

No Drawing. Application March 27, 1939, Serial No. 264,483
10 Claims. (Cl. 148—12)

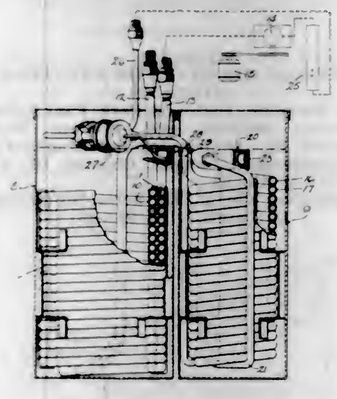
1. The method of making a steel article having improved physical properties which comprises the steps of making an article composed of a pearlitic steel containing from about .10% to about .35% of carbon which has been cold worked to an extent equivalent to a cold reduction of its thickness of between at least 10% and about 50%, and heating an article composed of such cold worked metal at a temperature between about 500° F., and about 850° F., for a length of time equal to about one minute for each $\frac{1}{30}$" to $\frac{1}{60}$" in wall thickness of said article.

2,235,244

DISPENSER FOR REFRIGERATED BEVERAGES

Arthur D. Ames, Galesburg, and William E. Richmond, Kenilworth, Ill., assignors to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware

Application November 22, 1939, Serial No. 305,588
7 Claims. (Cl. 62—141)



1. In a device of the character described, a multiple heat exchanger comprising a pre-cooling section and a flash-cooling section for liquid to be refrigerated, said sections comprising liquid conduits connected together in series and complementary refrigerant conduits connected together in series, the liquid conduit of the pre-cooling section being provided with a connection for a source of liquid supply and the liquid conduit of the flash-cooling section being provided with a discharge connection; the refrigerant conduit in the flash-cooling section being provided with a connection from a source of refrigerant and the refrigerant conduit in the pre-cooling section being provided with a refrigerant discharge connection; the refrigerant conduit and the liquid conduit in the flash-cooling section being in direct metallic heat conductive relation to each other and the respective liquid and refrigerant conduits in the pre-cooling section being provided with means constituting a relatively large holdover capacity in heat transferring relation to both conduits of said preheating section.

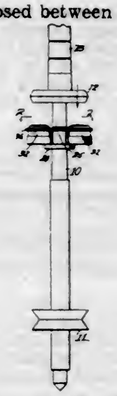
2,235,245

BOBBIN HOLDER

Arthur F. Anderson, Auburn, Mass., and Robert G. Carle, Woonsocket, R. I., assignors to Johnson & Bassett, Inc., Worcester, Mass., a corporation of Massachusetts

Application June 3, 1940, Serial No. 338,532
5 Claims. (Cl. 242—46.8)

1. In a spindle, a bobbin holder comprising a bobbin support fixed on said spindle, a plurality of movably-mounted bobbin-driving devices rotatable with said support, and bobbin-centering members interposed between said bobbin-driving



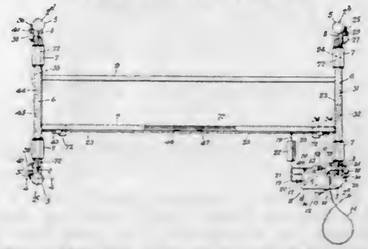
devices and concentrically disposed relative to said spindle.

2,235,246

HOIST

William C. Anthony, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois

Application April 24, 1940, Serial No. 331,403
20 Claims. (Cl. 254—93)



1. In combination in a hydraulic lift, a plurality of hydraulic lifting assemblies, each including a fixed part and a relatively movable part, and means for supplying fluid under pressure to said hydraulic assemblies, including conduits to each of them, a carriage supported by said movable parts, and means for controlling the movement of said movable parts to maintain the carriage level, said means including a valve for each of said raising assemblies adapted to control the flow of fluid thereto and therefrom through said conduits, an operating means for each of said valves, a plurality of level responsive devices mounted on said carriage, one of said devices for each of said valve operating means, said devices adapted to be operated when said frame moves out of level to cause one of said valves to be closed, to alter the flow of pressure fluid to said raising assemblies until the carriage has been restored to level.

2,235,247

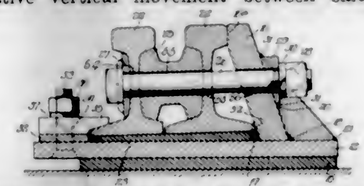
RAILWAY CROSSING

James H. Asselin, Hubbard Woods, Ill., assignor to Asselin Crossing Co., San Francisco, Calif., a corporation of California

Application October 1, 1938, Serial No. 232,842
14 Claims. (Cl. 246—464)

8. A railway crossing, comprising a base member, upstanding bracing flanges arranged at the sides of said member and rigidly fixed thereto, a

rail structure connected to each of said flanges and movable relatively thereto, and cushioning means interposed between said rail structures and the base member, each of the rail structures being connected to its bracing flange to permit relative vertical movement between said rail



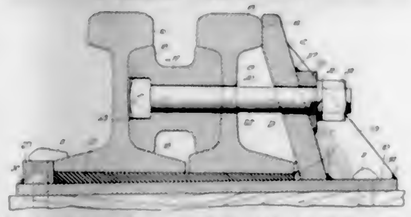
structure and the bracing flange, the base member defining a recess, the cushioning means arranged in said recess and held thereby between the base member and the rail structure but capable of expansion and contraction within said recess.

2,235,248

RAIL GUARD

James H. Asselin, Hubbard Woods, Ill., assignor to Asselin Crossing Co., San Francisco, Calif., a corporation of California

Application October 1, 1938, Serial No. 232,843
8 Claims. (Cl. 238—17)



1. A rail guard, comprising a base plate, a continuous bracing flange fixedly mounted thereon, a running rail also mounted on said base plate and spaced from said bracing flange, a guard rail also mounted on said base plate adjacent to the bracing flange and in contact with the latter, filler means interposed between the guard rail and the running rail, means for tieing said filler means, said guard rail and said bracing flange in assembled relation to form a substantially rigid structure, said structure serving to prevent rotational movement of said running rail with respect to the guard rail, and means for restricting movement of the running rail laterally with respect to said guard rail including the aforesaid rigid structure but permitting longitudinal movement of the running rail, said last-mentioned means combining with said rigid structure to maintain the aforesaid relation of the running rail to said guard rail.

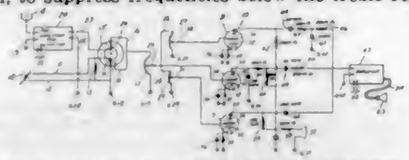
2,235,249

METHOD AND APPARATUS FOR TONE CONTROL OF SOUND REPRODUCING SYSTEMS

Joseph M. Baxter, Fort Wayne, Ind., assignor to The Capehart, Incorporated, Fort Wayne, Ind., a corporation

Application January 28, 1939, Serial No. 253,305
7 Claims. (Cl. 179—1)

1. A method of tone control for an electronic sound reproducing system consisting in dividing the energy input to the system into bass, middle and treble channels, controlling the amplitude of the input to all of said channels in common, independently controlling the amplitude of the input to the bass and treble channels, filtering the energy in the several channels to suppress frequencies above the bass register in the bass channel, to suppress frequencies below the treble reg-



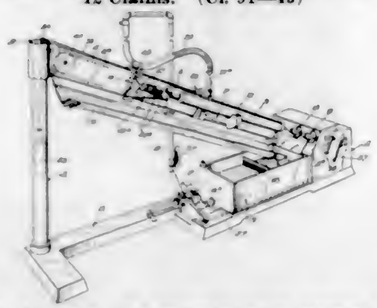
ister in the treble channel and to suppress at least a part of the bass and treble frequencies in the middle channel, and then uniting the output of all of said channels in a single channel and translating the output thereof into sound.

2,235,250

COATING MACHINE FOR PRINTERS' ROLLERS

Carl G. Bingham, Highland Park, Paul Fernekes, Arlington Heights, and William Wanner, Wilmette, Ill., assignors to Sam'l Bingham's Son Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 2, 1938, Serial No. 205,502
12 Claims. (Cl. 91—43)



1. A machine for simultaneously coating a pair of printers' rollers comprising rotary means for supporting the rollers in parallel inclined position at different elevations and rotating the rollers while in such position, coating applying means having a section for each of said rollers, an inclined guide for guiding said applying means longitudinally of said rollers from the upper to the lower ends of the coatable surfaces thereof, means for so moving said applying means, means for supplying coating composition continuously to said sections of said applying means during the coating operation and means for maintaining the composition in said sections at equivalent levels relatively to the respective rollers.

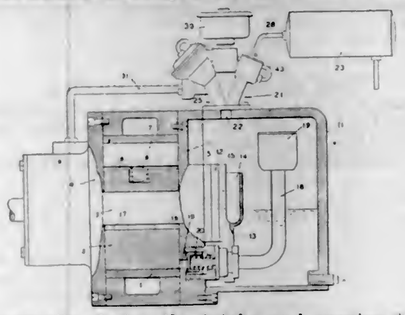
2,235,251

COMPRESSOR UNLOADING VALVE MECHANISM

Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application October 25, 1939, Serial No. 301,130
10 Claims. (Cl. 230—30)

1. In combination with a rotary compressor provided with an intake and a discharge port and having associated therewith an oil reservoir communicating with the compressor for providing lubricant for the rotor and blades of the compressor and wherein the oil in the reservoir is subject to the discharged compressed fluid from the compressor prior to passage to a receiver to thus force oil into the compressor, valve means for au-



tomatically closing the intake and opening the oil reservoir to atmosphere when the fluid pressure in the receiver reaches a predetermined value.

2,235,252

TEMPERATURE INDICATING INSTRUMENT

Robert I. Bradley, Belmont, Mass.

Application December 6, 1938, Serial No. 244,202
1 Claim. (Cl. 73—367)



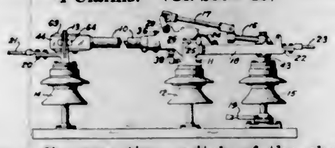
Temperature measuring means comprising a transparent, concave-convex disk-like base member, a temperature responsive coil secured at one end to the concave face of the base member, a pointer actuated by the opposite end of said coil, temperature graduations on the base member along which the pointer moves, the rim of the base member being adapted to engage against a flat transparent sheet of material whereby a chamber is formed, the concavity of the base member being of such depth to house the temperature indicating mechanism within the chamber.

2,235,253

HIGH VOLTAGE DISCONNECTING SWITCH

Arnold E. Brock, Burlingame, and Ernest H. Gremminger, Mill Valley, Calif., assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California

Application January 2, 1940, Serial No. 312,046
4 Claims. (Cl. 200—48)



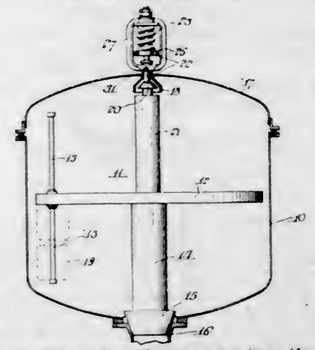
1. In a disconnecting switch of the character described, the combination of a stationary contact having opposed contact making surfaces, a switch blade having side portions adapted to be fixed into high contact engagement with the opposed surfaces of said stationary contact, means for flexing the side portions of said switch blade into high contact making engagement with the contact surfaces of said stationary contact, an operating rod extending longitudinally of the switch blade for actuating said means for flexing the side portions of the switch blade, a cover forming member extending longitudinally of the switch blade and out of engagement with said stationary contact, and means connecting said operating rod with said cover forming member adapted to move said cover forming member longitudinally of the switch blade as said first means is operated.

2,235,254

VAT MOUNTING FOR A PACKAGE CARRIER

Harry S. Drum, Abington, and William H. Jaxheimer and Elmer E. Saalfrank, Philadelphia, Pa., assignors to Smith, Drum and Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 31, 1939, Serial No. 302,146
3 Claims. (Cl. 68—198)



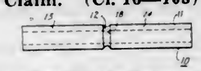
1. In a package treating apparatus, the combination of a vat, a package carrier, a lifting member on said carrier, a clamping pin passing through said vat to engage said member, a yoke attached to said vat to form a bearing for said pin, a spring coacting with said yoke and pin, and means to adjust the tension of said spring.

2,235,255

CONNECTING DEVICE

Edward Durant, Cleveland, Ohio, assignor to The National Telephone Supply Company

Application July 13, 1939, Serial No. 284,291
1 Claim. (Cl. 16—108)



A connecting device for joining the ends of wires subjected to great tensile load stresses comprising a tubular body having a longitudinal bore therethrough to receive from opposite ends of the tubular body the ends of the wires to be joined, said tubular body having an intermediate portion and two end portions, the end portions comprising malleable material for engaging the ends of the said wires, the diameter of the longitudinal bore within the two end portions being substantially the same throughout the entire length thereof and being slightly larger in diameter than the ends of the inserted

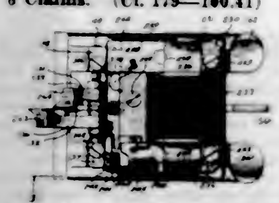
wires, said malleable material of the end portions being compressible about the inserted ends of the wires at spaced longitudinal intervals for securely holding the ends of the wires therein against great tensile load stresses, the intermediate portion comprising a relatively narrow annular band of rolled-worked material integrally joining the two end portions and extending circumferentially around the tubular body, said rolled-worked intermediate portion being capable of withstanding a greater tensile load stress than the two end portions and having smaller external and internal diameters than the two end portions, the smaller internal diameter constituting a stop for the inserted ends of the said wires and the smaller external diameter serving as a visible indication registering with the stop for the inserted end of said wires.

2,235,256
CONFORMATION HEEL
Morris Aubrey Elliott, Baltimore, Md.
Application June 10, 1939, Serial No. 278,538
1 Claim. (Cl. 36—34)



In a heel of the class described, the combination of a heel structure formed with its bottom tread portion rounded and chamfered off downwardly from the rear line towards the front line on a cycloidal curve terminating approximately one-fifth of the distance from the front line towards the rear line of the heel and completing the tread with a surface flat at right angles to the proximate axis of the shoe, the front portion of the heel being concavely cut about a vertical plane from one side of the heel to the other, the concavity being receded back to about one-half the distance of the flat portion in the middle of the front line, substantially as described.

2,235,257
DICTATING MACHINE
William F. Feyrer, Norwalk, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Original application March 25, 1931, Serial No. 525,172, now Patent No. 2,152,585, dated March 28, 1939. Divided and this application February 23, 1939, Serial No. 257,882
6 Claims. (Cl. 179—100.41)



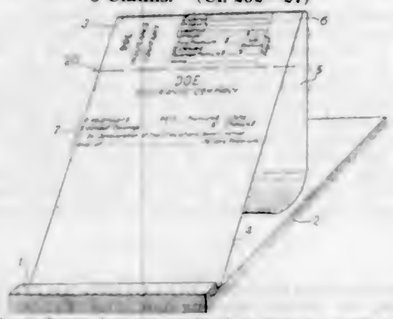
1. In a dictating machine, in combination, a vibratory armature, a stylus movably mounted adjacent said armature, means for moving said stylus into respectively operative and inoperative positions, and means responsive to movement of said stylus into operative position for damping the vibratory movement of said armature.

2,235,258
FIRE EXTINGUISHING NOZZLE
William Walter Jones, Glendale, Calif., assignor to The Fog Nozzle Co., Los Angeles, Calif., a corporation of California
Application June 25, 1940, Serial No. 342,296
9 Claims. (Cl. 299—143)



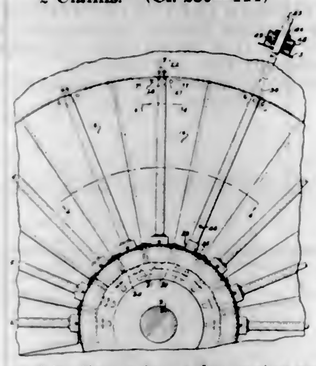
1. A fire extinguishing nozzle, comprising a nozzle body having spaced apart and angularly related orifices for forming impinging jets effective for producing a spray of particles of substantially uniform size, the angular relationship and spacing of the orifices being adapted to cause the center point of the impinging jets to be at distances from the discharge faces of the orifices not exceeding twice the diameter of the orifices and to cause the inside point of impingement of the jets leaving the orifices to be in advance of the discharge faces of the orifices.

2,235,259
INSURANCE FORM
Arthur Juhl, Chicago, Ill., assignor of one-half to Louis M. Gundel, Chicago, Ill.
Application July 29, 1939, Serial No. 287,237
3 Claims. (Cl. 282—27)



1. A form for an insurance policy or the like comprising a continuous sheet folded at its mid point having a detachable stub portion projecting from one end adapted to be bound into a pad and said folded sheet being adapted to be folded upon itself along a line offset from said mid point to provide an integrally connected front sheet and a relatively shorter back sheet, the front sheet as so folded being horizontally ruled at its upper portion adjacent said new fold and parallel thereto to provide spaces for the entry of coverage and payment data, said latter ruled portion and spaces occupying a portion equal to one half the difference in length between said front and back sheets, the main portion of said front sheet below said upper portion being further ruled horizontally and parallel to said new fold and to the width of said sheet to provide spaces for a second entry of said coverage and payment data, the main portion of said front sheet also containing spaces for printed conditions and stipulations of the policy, said back sheet being printed and ruled parallel to said fold to provide spaces for the entry of policy information, said main portion of said front sheet being arranged and adapted to be refolded upon itself at its mid point after being completed, between the two sets of spaces on said front sheet ruled for coverage and payment data whereby the upper portion which formed the top of the front sheet when folded off center again becomes the top of the back sheet to provide a policy form having connected front and back sheets of substantially equal length and which latter top portion also becomes the outside identifying section when the policy is further folded twice upon itself for delivery or filing.

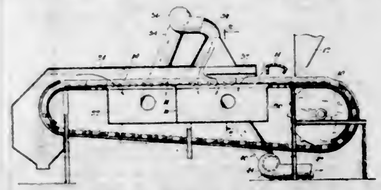
2,235,260
HIGH SPEED INLET VANE
Murray S. Kice, Jr., Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application September 27, 1938, Serial No. 231,981
2 Claims. (Cl. 230—114)



1. In combination, a fan, a fan casing and rotor, an inlet passageway mounted in said fan casing, a plurality of stationary rods radially disposed at right angles to the axis of said rotor, a plurality of inlet vanes of segmental shape having arcuate outer ends and longitudinally disposed central grooves to accommodate said rods, a bevel pinion on each of said rods at their inlet ends and so mounted as to be rotatable relative thereto except for one rod to which the pinion is fixedly secured, said one rod being extended and terminating in a projecting portion, an extension rod cooperating therewith and having a slot for receiving said projecting portion whereby rotary effort may be applied to the extension rod external of the casing in order to rotate said bevel pinion, a common ring gear for all of said bevel pinions, and mechanical connections between said gear and said vanes whereby the latter are moved about their rods when the extension rod is rotated.

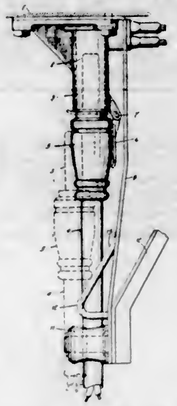
2,235,261
METHOD AND APPARATUS FOR SINTERING
Armand L. Labbe, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application August 15, 1939, Serial No. 290,279
8 Claims. (Cl. 266—21)

1. The process for sintering which comprises igniting the charge, immediately thereafter conveying the burning charge into and through a confined space until the sintering operation is completed, drawing gases downwardly through the burning charge by applying a vacuum to the under surface thereof, returning a portion of the gases drawn through the charge to the



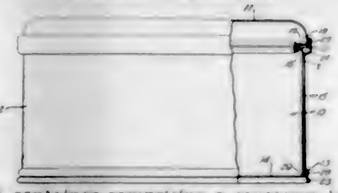
confined space above the charge and permitting the returned gases to freely seek their own path of flow along substantially the entire surface of the charge within the confined space in response only to the vacuum applied to the under surface of the charge.

2,235,262
CABLE RELEASE
James B. Miller, Webster Groves, Mo., assignor to Mines Equipment Company, St. Louis, Mo., a corporation of Missouri
Application February 26, 1940, Serial No. 320,841
6 Claims. (Cl. 173—332)



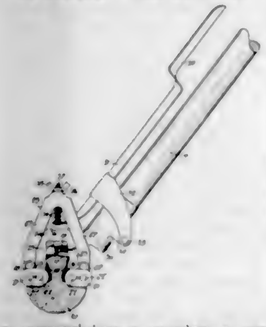
2. In combination with a vehicle having an electric power circuit, a contact-receptacle connected with said circuit and mounted on the vehicle with its contact-receiving axis transverse to the normal direction of travel of the vehicle, a cable-guide formed and positioned to receive a cable having a contact-plug thereon inserted in said receptacle, said guide having cable-receiving means positioned substantially in said axis and so as to hold the cable clear of obstruction thereto on the vehicle, means for mounting said guide rigidly on the vehicle so as to enable said guide to sustain a pull on the free portion of the cable and redirect that pull to a direction substantially in line with said axis so as to pull the plug out of said receptacle along said axis, and means engageable with a part on the cable and operable thereby after the plug has been withdrawn from said receptacle to disengage the cable from said guide.

2,235,263
CONTAINER
Carl A. Nesmith, Los Angeles, Calif.
Application May 16, 1938, Serial No. 208,212
8 Claims. (Cl. 220—42)



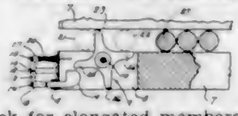
8. A container comprising a container body, a cover for the body having a rim whose under side is adapted to contact the upper edge of the body, a tubular member around the body extending from above the upper edge of the body to below the lower end of the body, the upper and lower ends of the member being open, means adjacent the lower end of the member for releasably supporting the body to hold the lower end of the body above the lower end of the member, and a part on the upper end of the member loosely receiving the rim to connect the member and cover for limited relative movement lengthwise of the container and presenting a surface which bears downwardly on the rim to hold the rim against the upper end of the body when the body is supported by said means whereby a downward push applied to the cover may move the cover and body downwardly relative to the member to release said means and thus allow withdrawal of the body through the lower end of the member, said part cooperating with the rim to retain the cover in the member upon such withdrawal of the body.

2,235,264
MOP
Kenneth S. Rogers, Niles, Mich.; Francis J. Miller, administrator of said Kenneth S. Rogers, deceased, assignor, by mesne assignments, to Levant C. Rogers, Niles, Mich.
Application January 10, 1938, Serial No. 184,117
10 Claims. (Cl. 15—119)



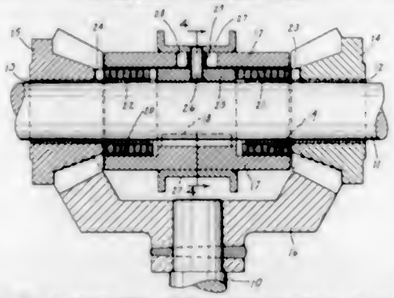
2. A mop comprising a carrier, a compressible mop member carried by and projecting from said carrier, a rigid frame arching said carrier and shiftable relative thereto, means connected with said carrier for reciprocating said frame, a link pivoted to each end of said frame, mop wringing elements of elongated cross section and each having a flat face positioned to engage opposite sides of said member, each link being pivoted to an element, and a rigid arch spanning said carrier and journaling each element in normally inwardly spaced relation to said link connection.

2,235,265
SUCKER ROD RACK
Clyde A. Shope, Oklahoma City, Okla.
Application June 5, 1939, Serial No. 277,376
2 Claims. (Cl. 211—60)



1. A rack for elongated members comprising: a member which includes a plurality of spaced parallel fingers projecting outwardly from an integral base or supporting arm; a ratchet wheel pivotally carried on the outer end of each of said fingers, their teeth adapted to respectively control the passage of said elongated members into and out of the spaces between the adjacent fingers; and a pair of dogs for each ratchet wheel, one dog releasable but normally operative to prevent the rotation of its respective ratchet wheel in one direction, and the other dog normally inoperative but movable into a position to contact and limit the rotation of its said respective ratchet wheel in said one direction.

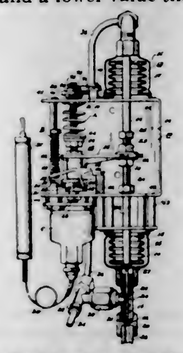
2,235,266
REVERSING CLUTCH CONSTRUCTION
William Carleton Starkey, Indianapolis, Ind., assignor to L. G. S. Spring Clutches, Incorporated, Indianapolis, Ind., a corporation
Application November 4, 1939, Serial No. 302,821
6 Claims. (Cl. 192—51)



1. In a reversing clutch construction, a shaft, a pair of members freely journaled on said shaft and mechanically connected to rotate in opposite directions, a clutch pocket element secured to said shaft between said members and having its outer ends formed as clutch pockets with internal clutch surfaces, a pair of helical clutch springs each having one end anchored to one of said members and having a free end extending into one of said clutch pockets, an actuator key slidably mounted in said clutch pocket element and movable in one direction to engage one of said springs and in the opposite direction to engage the other of said springs for expanding the same into clutching engagement with said clutch surfaces, a clutch collar slidably mounted on the outer surface of said clutch pocket member and a connection between said clutch collar and said actuator key for moving said key to engage said springs.

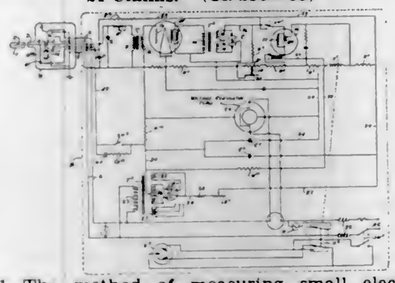
2,235,267
CONTROL DEVICE
Rufus E. Stolz, East Cleveland, Ohio
Application May 4, 1935, Serial No. 19,819
27 Claims. (Cl. 236—48)

1. In a quick acting movement, in combination, a movable member adapted to be moved from one position to another, means for urging the member in one direction, variable means adapted to oppose the first means for urging the member in the opposite direction, the variable means producing an opposing force which varies between an upper value that is greater than the force of the first means and a lower value that is less than



the force of the first means, and third means for giving a quick acting movement to the movable member, said third means being such as to produce substantially no urging force to move the movable member when the member is in one position and being such as to produce an urging force to move the movable member when the member is in the other position.

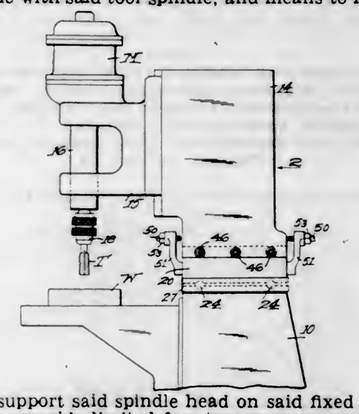
2,235,268
POTENTIAL MEASURING APPARATUS
John A. Victoreen, Cleveland Heights, Ohio
Application September 12, 1938, Serial No. 229,493
21 Claims. (Cl. 250—83)



1. The method of measuring small electric charges of varying potential which comprises generating an alternating current controlling the generated alternating current by the direct current charge by using the static field of the charge to cause said alternating current to be proportional to the direct current charge, amplifying the alternating current, rectifying the alternating current and measuring the rectified current.

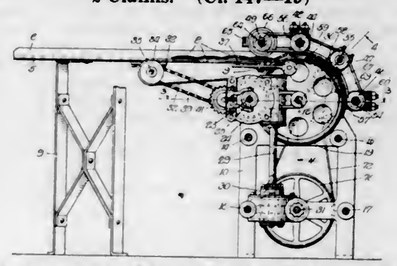
2,235,269
MACHINE TOOL WITH FLOATING HEAD
Ernest A. Walker, Worcester, Mass., assignor to John Bath & Company, Worcester, Mass., a corporation of Massachusetts
Application September 14, 1939, Serial No. 294,930
6 Claims. (Cl. 10—89)

1. In a machine tool having a fixed base and a fixed work support, in combination, a non-rotating spindle head, a tool spindle mounted in said spindle head for rotation about a substantially vertical axis and having a fixed locus of rotation in said spindle head, a spindle-driving motor concentric with said tool spindle, and means to mov-



ably support said spindle head on said fixed base and to provide limited free transverse movement of said spindle head on said base, said supporting means being substantially in the plane of tool operation on the work.

2,235,270
MACHINE FOR MAKING TUBS AND THE LIKE
Axel M. Walstrom, Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a corporation of Illinois
Application September 29, 1938, Serial No. 232,293
2 Claims. (Cl. 147—19)



1. Apparatus of the class described comprising in combination a main shaft, a pair of spaced wheels being of different diameters and mounted on said shaft, said wheels having resilient frictional peripheries adapted to support staves transversely positioned on the peripheral surfaces of said wheels and continuously passing thereover with the revolution of said wheels, conveying means for positioning staves on said wheels in serial abutting relation, a plurality of spaced auxiliary shafts arranged about and radially spaced from said wheels, each of said auxiliary shafts lying in a plane common with said main shaft, a pair of pulleys mounted on each of said auxiliary shafts and positioned radially outward from said wheels respectively, a pair of belts supported on said pulleys and operable thereby to contact the outer surfaces of said staves and continuously retain said staves upon said wheels through part of a revolution thereof, the said pulleys positioned outwardly of each of said wheels respectively having diameters whereby said belts are operable at speeds respectively similar to the different peripheral speeds of said wheels, driving means connect-

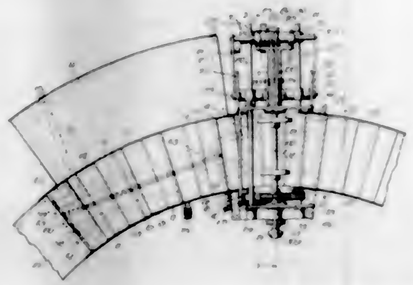
ing said main and auxiliary shafts adapted to operate said wheels and said belts, and means for trimming and crozing said staves while passing between said wheels and said belts.

2,235,271

MACHINE FOR MAKING TUBS AND THE LIKE

Axel M. Wahlstrom, Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a corporation of Illinois

Application September 29, 1938, Serial No. 232,294
9 Claims. (Cl. 147—1)



1. Apparatus for laterally measuring and cutting a set of staves for assembly into a container of predetermined size comprising in combination, a rotary device having peripheral contour equivalent to the inside lateral contour of said container, means for rotating said device in intermittent cycles of one revolution, means for passing a laterally abutting series of staves in successive contact with said device through a predetermined position in its peripheral path of rotation, means for maintaining said staves in contact with said device while passing through said position, stave severing means normally supported adjacent the path of movement of said staves and operable transversely of said path of movement, and means operable between the cycles of one revolution of said device to move said stave severing means across the path of movement of said staves at said predetermined position and to sever the stave then positioned therein.

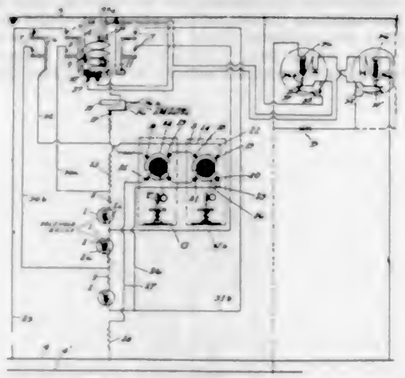
2,235,272

NONCODE ALARM SIGNAL SYSTEM

John H. Wheelock, Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts

Application June 24, 1936, Serial No. 86,921
9 Claims. (Cl. 177—360)

1. In an electric signaling system, the combination with transmitting stations, each including contacts, with connections therebetween, and means for changing said contact connections upon the actuation of a station, signals of the single-stroke type, an interrupter operable to alternately open and close a circuit therethrough, when traversed by a current of given value, a controller having a winding in a closed supervisory circuit including said station contacts, with their connections, signals and said interrupter, and signal energizing circuits including normally open contacts operable by said controller, with the flow of supervisory current through said controller winding being insufficient to cause closure of its contacts, or to operate said signals or said interrupter, of means responsive to a change in the connections of the contacts of an actuated station to increase



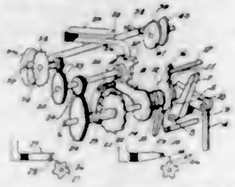
the current flow through said interrupter to such a value, as to cause said controller to intermittently operate said signals.

2,235,273

CIRCUIT CONTROLLING DEVICE

John H. Wheelock, Fitzwilliam, N. H., and Ferdinand F. Humphreys, Caldwell, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts

Application January 3, 1938, Serial No. 183,058
8 Claims. (Cl. 200—97)



3. An electrical circuit controlling device comprising a winding, a magnetic armature movable upon energization of said winding, relatively movable contacts incapable of direct movement by said armature, a wind-up mechanism for operating said contacts, a connection between said armature and mechanism to place said mechanism in a wound-up condition upon movement of said armature in response to energization of said winding, and means for releasing of said mechanism while in a wound-up condition to permit it to operate said contacts after said armature has completed its movement.

2,235,274

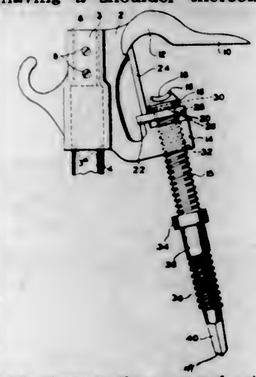
GROUNDING CLAMP

Joseph Thomas Trehern, Mobile, Ala.

Application October 13, 1938, Serial No. 234,858
17 Claims. (Cl. 173—273)

1. A clamp of the type described, said clamp having a body portion, a fixed jaw, a movable jaw, and a screw for moving said movable jaw, said screw having two sets of threads thereon, the first of said sets being threadedly engaged with said body portion for moving said movable jaw upon rotation of said screw, the second of said sets being axially spaced along the shank of said screw and separated from said first set

by a smooth shank portion, said smooth shank portion having a shoulder thereon whereby a



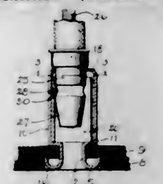
clamp stick threadedly engaged with said second set cannot engage the first set.

2,235,275

TERMINAL

Robert K. Winning, Milwaukee, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 22, 1938, Serial No. 203,491
6 Claims. (Cl. 173—328)



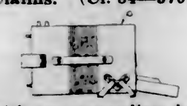
1. In a device of the character described, the combination with a receptacle open at its end and a contact spring therein comprising a spring member having an arcuate intermediate portion and tangential convergent portions adapted to be spread by a member insertable between said tangential portions said spring member having portions in contact with the interior of the receptacle at different sides thereof, and means for securing said spring within said receptacle, said means comprising a restricting flange about the open end of the receptacle.

2,235,276

REED

Conaway P. Beaver, Pasadena, Calif.

Application February 20, 1939, Serial No. 257,420
2 Claims. (Cl. 84—376)



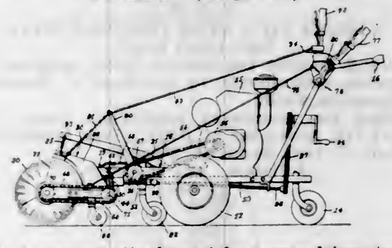
1. For use with an accordion having a reed rack therein, a reed device, said reed device including a reed block having an aperture therethrough intermediate its length, said reed block having a flange protruding from one face thereof at each end and adjacent the lower end of said aperture, said intermediate flange having a notch therein, a cover on said block engaging said flanges and including side walls surrounding said reed block, said cover having an aperture therethrough of the same size as said block aperture, a flexible reed, said reed including a tapered tongue portion and an enlarged base portion, said reed base being secured to said reed block below said intermediate flange and said reed tongue being positioned in said notch and a plate member positioned between said cover and said block, said plate being of less thickness than the space between said cover and said block, said plate having an aperture therethrough from face to face and opening through the bottom, said aperture being larger than said reed tongue and tapered to match the reed tongue.

2,235,277

ATTACHMENT FOR SWEEPERS AND THE LIKE

Robert E. Bradley, Quincy, Mass.

Application July 13, 1938, Serial No. 218,980
6 Claims. (Cl. 15—82)



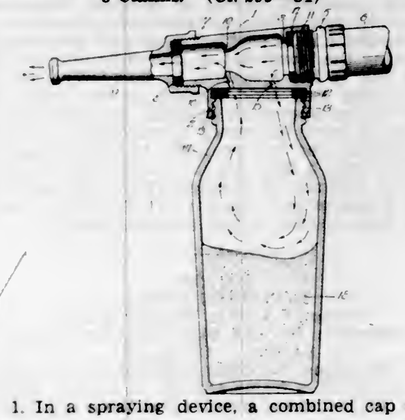
1. A sweeper attachment for power driven tractors, comprising a frame adapted to be secured rigidly to the tractor and project forward horizontally therefrom, a second frame extending forwardly of the first frame and connected thereto for pivotal movement about a horizontal axis, a cylindrical brush forwardly of the second frame, a third frame supporting the brush at its ends for rotation on a horizontal axis, the third frame being connected to the second frame and movable therewith about the first-named axis, means supporting the third frame for adjustment horizontally about a vertical axis on the second frame, means for effecting such adjustment, and driving connections for rotating the brush from the tractor with the frames in their different positions of movement.

2,235,278

SPRAYING DEVICE

Forrest B. Brunner, Chicago, Ill.

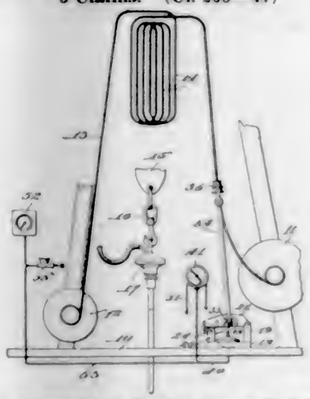
Application June 23, 1938, Serial No. 215,370
3 Claims. (Cl. 299—84)



1. In a spraying device, a combined cap and

semi-cylindrical conduit section constructed in the form of a one-piece casting, the cap portion of said casting being internally threaded to engage the threaded neck of a jar or flask, the said conduit section diminishing in size from one end to the other, external threads at the smaller end of said section to receive a threaded nozzle, internal threads at the larger end to receive a hose coupling, an annular ridge inside said conduit intermediate the ends thereof, said ridge having a streamlined tapering contour on the side toward the internally threaded end of said section, and two openings in the casting extending from the interior of the cap to the interior of the conduit, one of said openings intersecting the forward edge of said annular ridge and the other being located between said ridge and the coupling end.

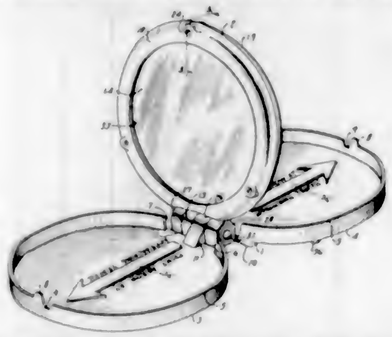
2,235,279
WEIGHT INDICATOR FOR DEEP WELL DRILLING RIGS
Frank S. Bunker, Los Angeles, Calif., assignor, by mesne assignments, to Laurence H. Heacock, Compton, Calif.
Refiled for abandoned application Serial No. 408,819, November 21, 1929. This application July 27, 1938, Serial No. 221,589
3 Claims. (Cl. 265—47)



1. In a weight indicator for well drilling rigs having a drilling cable and a calf wheel, an anchored base, a lever fulcrumed at one end on said base and provided with a plurality of connected apertures located at different distances from its fulcrum, said apertures being distinctively marked, a rigid member, means for detachably securing the lower end of said rigid member to any one of the apertures in said lever, means connecting said rigid member to the cable of the drilling apparatus adjacent the calf wheel, a second lever fulcrumed intermediate its ends and having one end connected to said first mentioned lever, a fluid cushion engaged by the free end of said second mentioned lever, an adjustable duplex pressure gauge and a connection from said fluid cushion to said pressure gauge.

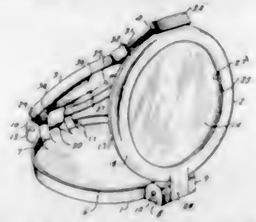
2,235,280
SIGNALING DEVICE
Horace N. Carver, Wichita, Kans.
Application March 8, 1938, Serial No. 194,662
1 Claim. (Cl. 88—78)

A road signal including a pair of mating housing members, a frame adapted to carry a signal element, and means hinging said frame and housing members relative to each other, said housing members having engageable flanges forming with the housing members an enclosure for the frame,



said flanges having duplicate oppositely arranged interengageable means respectively for locking the housing members relative to each other when in closed condition.

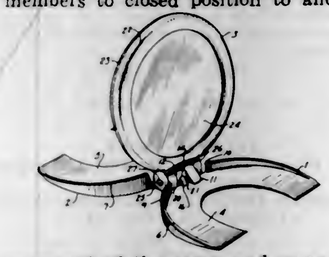
2,235,281
SIGNALING DEVICE
Horace N. Carver, Wichita, Kans.
Application April 21, 1938, Serial No. 203,343
4 Claims. (Cl. 88—78)



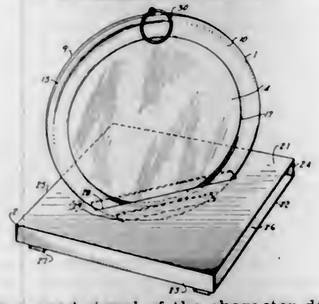
1. A road signal comprising a base, a frame adapted to carry a signaling element pivotally mounted on said base on an axis substantially parallel thereto, a cover pivotally mounted on the base on an axis substantially parallel thereto in spaced relation to the axis of the frame, an extension slidably mounted on the cover in angular relation to the pivotal axis thereof adapted to hook over an edge of the frame when the same is pivoted outwardly relative to the base and retain the same in outwardly pivoted condition, and interengageable means on the cover and extension forming a lock to hold the extension in extended position.

2,235,282
SIGNALING DEVICE
Horace N. Carver, Wichita, Kans.
Application April 21, 1938, Serial No. 203,344
5 Claims. (Cl. 248—33)

5. In a road signal, a pair of housing members, a frame member adapted to carry a signaling element, means hinging said members relative to each other, said members having bosses thereon, one of said bosses having a recess, and a locking device mounted in the recess of said boss and engageable with one of said members other than that in which said device is mounted to lock the same against movement, said locking member being retractible within the recess upon positive swinging movement of said members to closed position to allow relative movement of the same, and means urging said locking device to locking position.

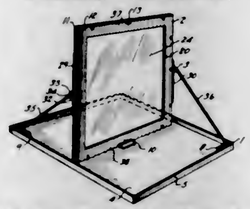


2,235,283
SIGNALING DEVICE
Horace N. Carver, Wichita, Kans.
Application April 21, 1938, Serial No. 203,346
3 Claims. (Cl. 88—78)



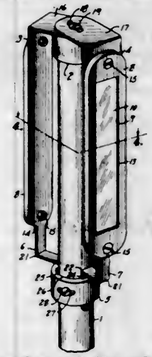
1. In a road signal of the character described, a housing adapted to carry a signaling element, the housing consisting of top, bottom and side walls and an end wall, the other end of the housing being open to allow removable mounting of the signaling element within the housing, the side walls of the housing being of less height than the width of the housing, and the top wall of the housing having an elongated opening of approximately the width of the thickness of the signaling element to seat and temporarily retain a portion of the signaling element in the housing for operatively positioning the same.

2,235,284
SIGNALING DEVICE
Horace N. Carver, Wichita, Kans.
Application April 21, 1938, Serial No. 203,347
4 Claims. (Cl. 88—78)



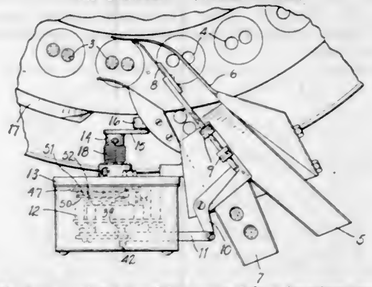
1. A road signal of the character described including a housing substantially in the form of a tray having an outer surface adapted to rest flat in horizontal position upon the ground and an inner upwardly facing surface normally forming a support for a frame, spaced sockets on the inner surface of said tray, a frame movably mounted on the inner surface of the tray and adapted to carry a signaling element, rails mounted at opposite sides of said frame, and rods each having one of their ends pivotally mounted in said sockets and their other ends slidably mounted on said rails for allowing said frame to be moved relative to the tray and for maintaining said frame in moved relation to said tray.

2,235,285
ROAD MARKER
Horace N. Carver, Wichita, Kans.
Application July 7, 1938, Serial No. 217,910
5 Claims. (Cl. 88—78)



1. A road marker of the character described including a standard, a reflector, a bracket supporting the reflector, said bracket having one end thereof swivelly mounted on the standard, and a collar on the standard engaged with the other end of the bracket, said collar having a horizontally disposed adjusting slot therein, and a fastening device mounted in said slot and engaged with the standard for mounting the collar on the standard, said fastening device being adapted to be loosened relative to the collar whereby the bracket is adjusted upon movement of the collar.

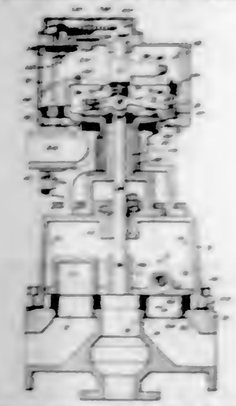
2,235,286
DISCHARGE MECHANISM FOR TABLET MACHINES
Leonard T. Cookson, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich.
Application September 9, 1939, Serial No. 294,220
12 Claims. (Cl. 198—68)



12. In a tablet making machine having moving means on the surface of which the finished tablets are carried, the combination of a trough extending from the moving means and having a

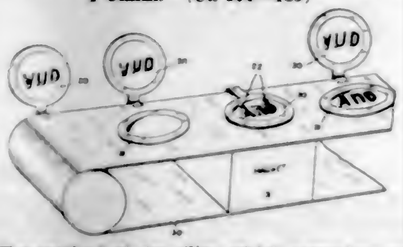
wing extending across the surface of said moving means and in the path of movement of tablets carried thereby and on the far side of the trough with reference to the direction of movement of the tablets to interrupt tablets and guide them to said trough, a second trough in advance of the first trough with reference to the direction of movement of tablets having a slidable wing forming an extension of the far side of said trough with reference to the direction of movement of said tablets and slidable across the surface of said moving means and the path of movement of said tablets, and means for advancing said slidable wing across the path of movement of said tablets and for retracting it from said path of movement.

2,235,287
AUTOMATIC SOFTENER VALVE
Lee G. Daniels, Rockford, Ill.
Application April 26, 1937, Serial No. 138,949
22 Claims. (Cl. 137—139)



1. In a motor operated valve, having two multiple port members, with resilient gasket means between them, one being a movable member, a motor, and means driven by the motor and acting repeatedly in the same direction upon the movable member for positively driving said movable member through lifting, turning and reseating movements and thereafter applying a yieldable pressure thereon to hold it seated.

2,235,288
ART OF STENCILING
James E. Duggan, Rose City, Mich., assignor to Magnetic Stencil Corporation, a corporation of Michigan
Application April 14, 1939, Serial No. 267,843
1 Claim. (Cl. 101—129)



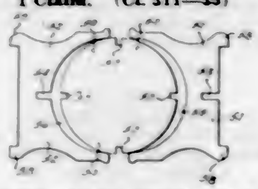
The method of stenciling which comprises continuously moving an object to be stenciled forward through and out of a magnetic field, applying a magnetic stencil to said object as it approaches said field whereby when in said field said stencil will be firmly held in place, and applying stencil marking thereto while in said field.

2,235,289
STUFFING BOX
Irwin L. Dunn, Harold S. Crosby, and James O. Lewis, Tulsa, Okla.
Application July 26, 1937, Serial No. 155,649
1 Claim. (Cl. 286—34)



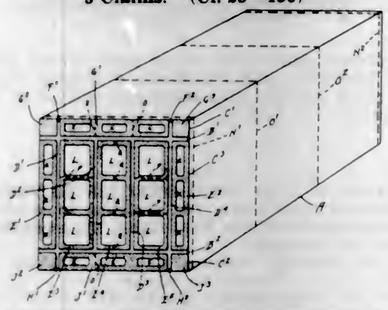
A stuffing box including a hollow body member having an offset bore, and a counter-bore, packing rings mounted in said offset bore engageable with a member reciprocably mounted in the body member, a retaining ring movably mounted in the counter-bore and adapted to seat said packing rings, and a retaining ring movably mounted in the body member in spaced relation to the first named retaining ring and in engagement with the uppermost packing ring for limiting movement of the packing rings in one direction.

2,235,290
TABLE
Marcus P. Exline and Karl T. Kayne, Dallas, Tex., assignors of one-third to Z. E. Marvin, Sr., Dallas, Tex.
Application September 12, 1938, Serial No. 229,585
1 Claim. (Cl. 311—35)



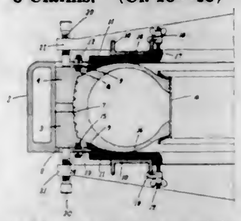
A table construction comprising a blank of greater length than width having a circular cutout midway between the ends thereof and short of its sides to provide a circular table top portion, supporting means defined by transverse severance of said blank diametrically across the circular opening therein produced by the removal of said top portion, said supporting means comprising two identical members each having opposed ends defined by said circular opening providing legs and further having slots for relative interlocking relationship to hold said members in assembled position to receive said circular top portion and means carried by said members receivable in slots in said top portion to retain the latter against rotation.

2,235,291
METHOD OF PRODUCING HOLLOW CLAY TILE
Edward C. Gaertner, Terre Haute, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application April 3, 1939, Serial No. 265,690
3 Claims. (Cl. 25—156)



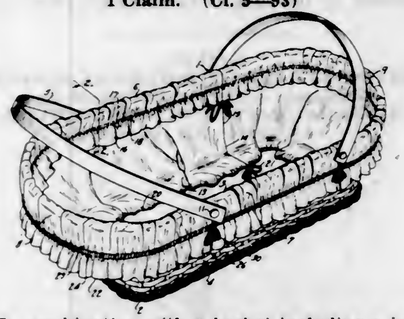
1. An improved method of producing structural clay ware and the like, including forming an elongated "green" log of a homogeneous mixture and the desired dimensions and including spaced cavities extending longitudinally therethrough, burning the log to vitrification to produce a readily severable product, and then longitudinally severing the log cavity forming wall between adjacent cavities without exposing the latter, and between the ends by sawing to form finished face, closed, tubular units, some of which are all finished and others of which are finished on all but one or two faces.

2,235,292
MATRIX AND PRESSURE PLATE ATTACHMENT FOR TIRE MOLDS
Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application March 16, 1938, Serial No. 196,203
8 Claims. (Cl. 18—18)



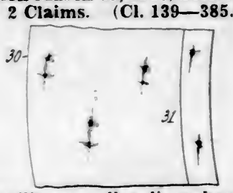
2. A tire mold structure comprising a body, a matrix unit mounted in the body to enclose only the tread portion of a tire in the mold, pressure plates arranged for lateral movement toward the side walls of the tire, matrix extensions separate from the matrix unit adapted to be mounted in position to extend as side continuations thereof to engage the side walls of the tire, rings adapted to be mounted on the pressure plates radially inward of the matrix extensions to build up said plates laterally so as to provide for engagement with the tire radially inward of said extensions when the latter are in place, said plates being of ring-like form, and flanges on the rings about the inner periphery thereof overhanging and engaging the inner peripheral edges of the pressure plates to locate the rings against radial displacement.

2,235,293
BASKET LINING
Thelma J. Mellon, Kansas City, Mo.
Application December 31, 1936, Serial No. 118,511
Renewed April 17, 1939
1 Claim. (Cl. 5—93)



In combination with a basket including a bottom, a body member having side and end walls, handle members, and spaced pairs of aligned members for pivotally mounting the handle members on the basket; a lining for the basket including a fabric blank having end portions and inner and outer side portions, the end portions being secured together to shape the blank to substantially correspond to the shape of the interior of the basket, the outer side portion being provided with spaced pairs of slits aligned with the handle mounting members for adapting the lining to be positioned between the basket and handle members, spaced pairs of tie members on the outer side portion of the blank adjacent the slits thereof for adapting the blank to engage the exterior faces of the walls of the basket, a substantially continuous tie member on the inner side portion of the blank for adapting the blank to substantially cover the bottom of the basket, a substantially continuous tie member on the blank between the inner and outer tie members to shirr the blank substantially at the upper interior faces of the basket walls for aiding in securing the lining to the basket and enhancing the appearance thereof, and spaced elastic members substantially contiguous to and interposed between portions of the outer tie member for adapting the blank to engage the exterior faces of the end walls of the basket.

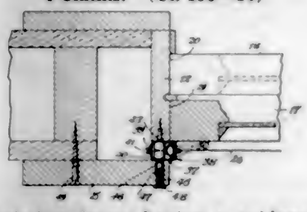
2,235,294
CURVILINEAR COLLAR LINER
John V. Moore, Pawtucket, R. I., assignor to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island
Application March 19, 1940, Serial No. 324,768
2 Claims. (Cl. 139—385.5)



1. A curvilinear collar liner having a multiply body portion with a narrow single-ply fold portion disposed at one edge thereof, said body portion comprising weft threads, face warps, and binder warps, with the spacing of the warp threads gradually increasing toward said fold portion and with the tension of the binder warps

gradually decreasing toward said fold portion, all parts of said liner being so constructed and arranged that said liner is substantially straight as woven but assumes a predetermined curvilinear shape on shrinkage, with said fold portion disposed at the shorter and concave edge.

2,235,295
WINDOW FRAME WITH BUILT-IN SCREEN
Benjamin F. Morgan, Buffalo, N. Y.
Application April 23, 1940, Serial No. 331,166
4 Claims. (Cl. 156—14)



3. A window frame having a guideway for a sash which is movable to open and closed positions, a side frame member and a side trim member and including a screen guide arranged at a side of said frame, said guide comprising companion sections which provide opposed spaced guiding edges, one of said sections fitting against said side frame member and the back thereof providing a side wall of said guideway and the other fitting against the back of said trim member and an element for securing said guide in said frame, said element passing through said trim member and the companion sections of said guide and screwing into said side frame member.

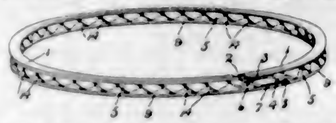
2,235,296
ELECTRIC STERILIZER USING RADIANT ENERGY
Hrand M. Muncheryan, Los Angeles, Calif.
Application May 31, 1939, Serial No. 276,642
9 Claims. (Cl. 250—52)



1. In an ultra-violet sterilizer comprising a closed cabinet, a source of ultra-violet rays within said cabinet, and a door for permitting the insertion or removal of articles to be sterilized; an automatic electric switch at the base of said door and operated thereby, a carrier means for holding articles for sterilization and pivotally attached to the inside face of said door, and a hinged portion for completing the top enclosure of said cabinet when the said door is closed and for affording the easy handling of said articles on said carrier means when the door is swung open.

2,235,297
PISTON RING
Oliver G. Norton, Muskegon, and Thurlow E. McFall, Sparta, Mich.; said Norton assignor to Muskegon Piston Ring Company, Muskegon, Mich., a corporation of Michigan
Application March 6, 1939, Serial No. 259,942
10 Claims. (Cl. 309—45)

1. A piston ring formed from a single length of flat material comprising, two spaced apart parallel outer ring members each having a free end, and an intermediate spacing member located between the outer members and connected

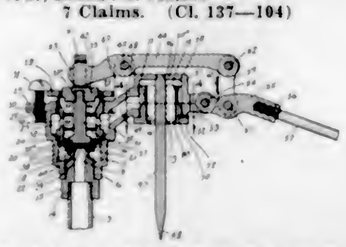


at opposite ends to the other ends of said outer ring members, said intermediate spacing member being substantially uniformly twisted in the direction of its length.

2,235,298
MANUFACTURE OF SMOKELESS POWDER
Fredrich Olsen, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
No Drawing. Application June 10, 1935, Serial No. 25,810
36 Claims. (Cl. 52—13)

26. The process of making grains of powder suitable for use as propellant powder, the process comprising, suspending finely divided dense colloided nitrocellulose in water, mixing an explosive modifying agent with a liquid miscible therewith which is substantially immiscible with water and is likewise a solvent for nitrocellulose, suspending said admixture in the water with the nitrocellulose by agitation, the speed of agitation in relation to the quantity of water used being such as to provide globules of modifying agent and solvent suspended in the water, applying heat to drive off the solvent, and maintaining the suspension by agitation until hardened colloided powder grains of nitrocellulose and modifying agent have been formed.

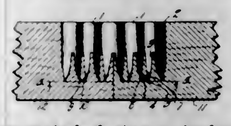
2,235,299
PACKLESS VALVE STRUCTURE FOR TOILET TANKS
Elsto D. Park, Frankfort, Ind., assignor to The Indiana Brass Company, Frankfort, Ind., a corporation
Original application July 14, 1939, Serial No. 284,432, now Patent No. 2,229,601, dated January 21, 1941. Divided and this application June 22, 1940, Serial No. 341,820
7 Claims. (Cl. 137—104)



1. In a toilet tank fixture, the combination with a pressure supply member, and a valve controlling the discharge therefrom, of a body having a pair of chambers therein having a single constant communication therebetween, means within the body regulating said single constant communication between chambers, the member discharging to one chamber, and the other chamber having a discharge, chamber forming means within the communication regulating means, and a valve operating member slidably supported by

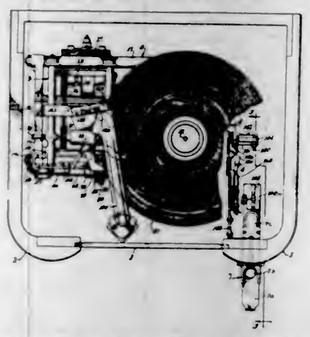
the chamber forming means, the third mentioned chamber communicating with said other chamber for the purpose described.

2,235,300
CORRUGATED FASTENER
Michael A. Ramey, Kansas City, Kans.
Application June 10, 1939, Serial No. 278,440
2 Claims. (Cl. 85—11)



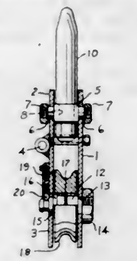
1. A corrugated fastener including in combination a metal strip having a plurality of flutes, each of said flutes having a reentrant portion forming a plurality of prongs, said prongs being pointed, said reentrant portions tapering inwardly in an upward direction, the walls of said reentrant portions above the prong points being provided with flattened surfaces, the construction being such that, upon driving said fastener into wood, the adjacent prongs will be forced outwardly to clinch the fasteners in the wood.

2,235,301
AUTOMATIC SOUND REPRODUCING MACHINE
Robert R. Robinson, Los Angeles, Calif., assignor, by mesne assignments, to George A. Hormel, Beverly Hills, Calif.
Application November 14, 1939, Serial No. 304,343
17 Claims. (Cl. 274—15)



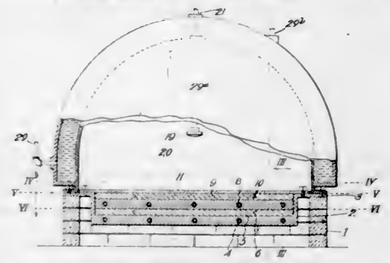
8. In a machine adapted to play one or more recordings from a disc record bearing a plurality of recordings and including a turn-table, a lead screw driven by the turn-table, and a motor carriage movable along said lead screw, the combination of: a lever arm pivotally connected to the carriage, said arm carrying a friction disc adapted to make driving contact with the turntable, a motor on said carriage and a driving connection between said motor and said friction disc; a toggle attached to said carriage and adapted to support the movable end of said lever arm; a lead nut lever pivotally connected to said carriage, said lever carrying a nut adapted to engage the lead screw to move the carriage to its inner limit of travel; a yielding connection between the movable end of said lead nut lever and said lever arm; spring means for moving the carriage to its outer limit of travel; means for breaking said toggle and moving said lever arm and lead nut lever to disengage said disc and nut, said means becoming operative when the carriage is at its inner limit of travel; means for resetting said toggle when the carriage is at its outer limit of travel, and means for latching the carriage when it reaches its outer limit of travel prior to resetting of said toggle.

2,235,302
SNATCH BLOCK
Crawford K. Stillwagon, Houston, Tex.
Application August 22, 1938, Serial No. 226,118
2 Claims. (Cl. 254—193)



2. A snatch block comprising a frame composed of approximately parallel side plates one of which is formed of a fixed section and a hinged section and the other of which is unitary, a swivel block mounted to rotate on a transverse axis between the unitary plate and the fixed section of the other plate, a hook having a swiveling connection with said block, a sheave spindle having one end reduced forming an annular shoulder, the reduced end being fitted through a bearing in the unitary plate and said shoulder bearing against said plate, a clamp nut threaded on to said reduced end and clamping said plate between it and said shoulder, an annular rib on the spindle, a bearing sleeve around the spindle one end of which abuts said unitary plate and the other end of which abuts said rib whereby the sleeve is retained on the spindle, a sheave mounted on said bearing sleeve and extending over said rib, the other end of the spindle, beyond said rib, being reduced, said hinged section being formed with a hole to receive said last mentioned end when said hinged section of the plate is brought into parallel relation with said unitary plate, and means for detachably securing said hinged section in said last named position.

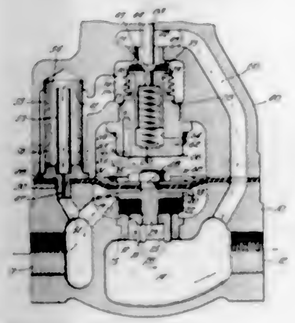
2,235,303
ELECTRIC STEAM GENERATOR
John M. Stucker, Kansas City, Mo.
Application December 30, 1939, Serial No. 311,851
6 Claims. (Cl. 219—39)



1. A steam generator comprising a boiler hav-

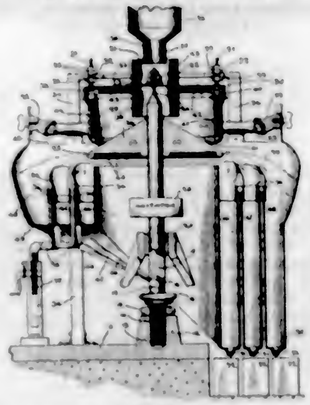
ing a water preheating chamber, a heating chamber and an expansion chamber, a pump for withdrawing water from the preheating chamber and delivering it to the heating chamber, said heating chamber comprising a laminated heating unit of alternately arranged water plates and electrically heated plates, means holding said plates clamped tightly in abutting relation, and a pipe connecting said heating chamber to the expansion chamber.

2,235,304
VALVE
Charles F. Toussaint, Chicago, Ill., assignor to Perfection Gear Company, Harvey, Ill., a corporation of Illinois
Application December 1, 1938, Serial No. 243,321
4 Claims. (Cl. 137—139)



1. In combination, a main valve and pilot controlling valve therefor comprising individual valve casings, each casing having an apertured partition separating each casing interior into high and low pressure regions, main and pilot valve members cooperating respectively with the main and pilot apertured partitions to control the flow of fluid therethrough, said main valve member being on the high pressure side of the cooperating partition, means for biasing said main valve member to a closed position, means external to the valves for controlling the pilot valve member, a sealed chamber adjacent the main high pressure region and having as a partition therebetween a pressure responsive flexible member, means connecting a movable portion of said flexible member to said main valve member to impart valve controlling movements thereto with said main valve tending to open upon main high pressure region enlarging movements of said flexible member, a fluid conduit connecting the two low pressure regions, a second fluid conduit connecting the pilot high pressure region and said chamber, and a third fluid conduit connecting the two high pressure regions, said second conduit being restricted in comparison to the volume of said sealed chamber to resist sudden volumetric changes in said sealed chamber and said third conduit being restricted in comparison to both said first conduit and the fluid path through said main valve when open whereby a fluid pressure drop in said third conduit occurs on fluid flow therethrough, said pressure drop being communicated to said sealed chamber interior to thus create a pressure differential on opposite sides of said flexible member for main valve opening movement.

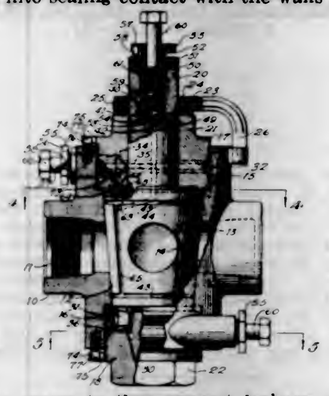
2,235,305
PROCESS OF CLASSIFICATION AND SEPARATION OF MATERIAL PARTICLES
Edwin L. Wiegand, Pittsburgh, Pa.
Continuation of application Serial No. 755,694, December 3, 1934. This application July 4, 1939, Serial No. 282,806
28 Claims. (Cl. 209—127)



1. The process of classifying a mixture of material particles which, after mechanically associated moisture has been removed by subjection of such particles to a drying temperature, have intrinsic electrical characteristics at such temperature, which comprises: superheating the dried mixture of said particles to a super-temperature above such drying temperature, said super-temperature approximating the fusing temperature of a selected class of said particles, to occasion a substantial change in an electrical characteristic of said particles, and, by causing said superheated mixture to move with respect to an electrostatic field, effecting a separation from said mixture of said selected class of particles which is determined by the difference in such electrical characteristic as possessed by said selected class of particles and by the other particles of said mixture at said super-temperature.

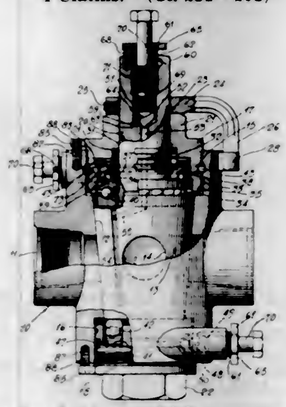
2,235,306
SEALING MEANS
Stanley H. Atkinson, Compton, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California
Application October 31, 1938, Serial No. 237,944
5 Claims. (Cl. 251—103)

1. A valve for use in high pressure fluid lines comprising a valve casing, a valve plug rotatably mounted in said casing, said valve plug including an upwardly facing annular shoulder and an operating stem projecting upwardly therefrom, an annular member surrounding said operating stem and secured to said valve casing in such position as to restrain said valve plug against axial movement, a circular recess between said annular member and said upwardly facing annular shoulder on said valve plug, a grooved resilient sealing ring having a cross-section of substantially U-shape disposed in said circular recess in such manner that the grooved side faces away from that surface of said valve plug in contact with fluid in the fluid line, means carried by said valve casing for injecting a packing composition into said circular recess and into the groove in said sealing ring whereby those portions of said sealing ring defining the sides of the groove are forced into sealing contact with the walls of said



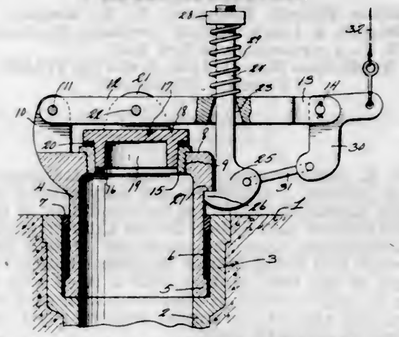
circular recess to thus prevent leakage of fluid from said fluid line around said operating stem and to seal fluid from contact with said packing composition.

2,235,307
SEALING MEANS
Stanley H. Atkinson, Compton, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California
Application December 6, 1938, Serial No. 244,215
4 Claims. (Cl. 251—103)



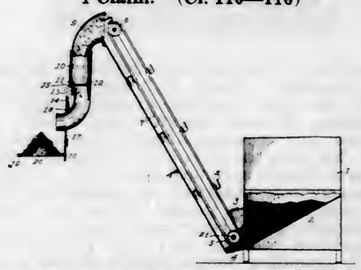
1. A valve for use in high pressure fluid lines comprising a valve casing, a valve plug rotatably mounted in said casing, said valve plug including an operating stem projecting from said casing, an annular member surrounding said operating stem and secured to said valve casing in such position as to restrain said valve plug against axial movement, a circumferential recess between said operating stem and said annular member, a pair of resilient sealing rings each having an annular groove in one side thereof, said sealing rings being disposed in said circumferential recess in such manner that said annular grooves face each other, means for injecting a packing composition under pressure into said circumferential recess between the grooves in said sealing rings whereby said sealing rings are urged into sealing engagement with said operating stem and said annular member to thus prevent leakage of fluid and packing composition around said operating stem and to seal fluid from contact with said packing composition without exertion of axial forces on said valve plug.

2,235,308
CELLAR DRAIN VALVE
Olin E. Banker, Wilkes-Barre, Pa.
Application April 16, 1940, Serial No. 329,951
4 Claims. (Cl. 137—139)



1. A valve of the character described, comprising a body formed to permit fluid to pass therethrough and having an open end, means forming a valve seat at said open end, a valve disposed upon said seat, an arm pivotally coupled at one end to the body and extending across and having pivotal connection with said valve, a latch having a long shank extending through an opening in the arm for reciprocal and swinging movement relative thereto, a hook at an end of the shank, the body having a lip engageable by said hook, a spring surrounding the shank and bearing on the arm and attached at one end to the other end of the shank to maintain the valve on its seat when the hook is in engagement with said lip, and means carried by the arm and connected with the latch facilitating the disengagement of the hook from the lip.

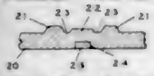
2,235,309
COAL STOKER
Albert E. Baum, Waterloo, Iowa
Application July 29, 1939, Serial No. 287,287
1 Claim. (Cl. 110—116)



In a furnace stoker, in combination, a flexible downturned tube adapted to be fixedly supported at its upper end to receive and deliver fuel therethrough, a tubular device with upper end loosely sleeved about the lower end of the flexible tube, the tubular device having its lower part diminished and curved laterally, and offset at one side where diminished with the offset part of its wall

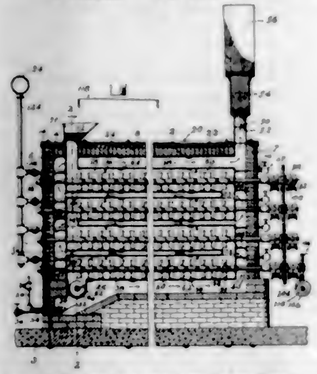
longitudinally slotted, a plate valve crossing the tubular device tiltably, and an arm rigidly connected to the plate angularly and traversing the slot in said wall with a weight mounted on its outer end, and the lower laterally curved end part of the tubular device shaped and directed to traverse an opening in a hinged furnace door to deliver fuel into the furnace.

2,235,310
HEMACYTOMETER
William Bausch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 11, 1939, Serial No. 273,069
3 Claims. (Cl. 88—40)



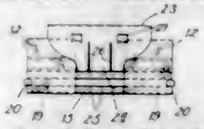
3. A hemacytometer having a transparent body portion, a section in said body portion visually distinguishable from the remainder of said body portion, said section having a different light transmittance than the remainder of said body portion and being located between opposed surfaces of the body portion, and a ruled area on one of said surfaces in alignment with said section, the area of the section and the ruled area being substantially equal.

2,235,311
SYSTEM FOR ROASTING ORES
Harold Bullard, Independence, Mo.
Application April 8, 1940, Serial No. 328,495
1 Claim. (Cl. 263—25)



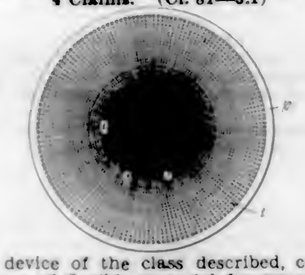
A system of the character described comprising a structure, a series of horizontal flues arranged one above another in said structure, a combustion chamber communicating with the lowermost flue, means connecting the outlet end of one flue with the inlet end of the flue above, a series of retorts arranged alternately with said flues, means for supplying the uppermost retort with material to be treated, means connecting the respective discharge ends of the retorts with the respective receiving ends of the retorts below, a shaft extending longitudinally through each retort, bearings for the shafts, means interconnecting the shafts for simultaneous rotation, and helicoidal paddles fixed to each shaft and the majority of which are inclined to move the material from the receiving end to the discharge end of the associated retorts, the minority being inclined in a reverse direction to retard the movement of the material.

2,235,312
ATTACHMENT FOR HORSE COLLARS
George R. Bunn, Springfield, Ill.
Application May 29, 1940, Serial No. 337,738
2 Claims. (Cl. 54—67)



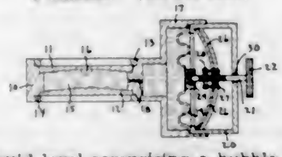
1. An attachment for collars for horses comprising, in combination, a pair of relatively wide flexible support straps adapted to fit over the neck of the horse in spaced relation, loops at the ends of said straps, rigid cross members carried by said loops on opposite sides of the neck of the horse, and a collar support member carried by said cross members and extending above the neck of the horse whereby the downward thrust of the collar is transmitted only to said cross members and thereby to said support straps.

2,235,313
GRIPPING DEVICE
Clarence E. Cleveland, Reading, Vt.
Application August 8, 1939, Serial No. 288,973
4 Claims. (Cl. 81—3.1)



1. A device of the class described, consisting of a sheet of flexible material for wrapping engagement with an article to be grasped and having suction cups on opposite faces thereof, the suction cups toward the center of the sheet being smaller than those nearer the margin of said sheet.

2,235,314
LIQUID LEVEL
Bartholomew A. Diggins and George B. Gallasch, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 12, 1939, Serial No. 267,492
3 Claims. (Cl. 33—212)

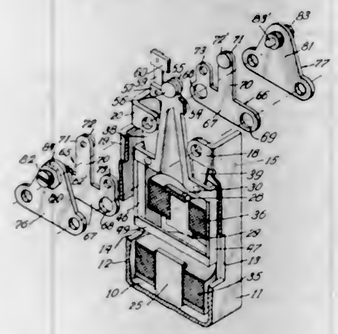


1. A liquid level comprising a bubble chamber, a second chamber in communication therewith, a liquid in said chambers, a movable member forming one wall of the second chamber, a heat responsive element, a screw secured to said heat responsive element and to the movable member whereby said element will move said wall with changes in temperature, and means for turning the screw to move said movable member independently of said element.

2,235,315
PRESERVATION OF COFFEE
John C. Donnelly, New York, N. Y.
No Drawing. Application August 12, 1939, Serial No. 289,777
3 Claims. (Cl. 99—152)

1. Process of preserving coffee which includes the steps of roasting coffee, reducing the temperature of the roasted coffee substantially below the freezing point of water and compressing the coffee to a compact, self-sustaining block while the coffee is at said low temperature.

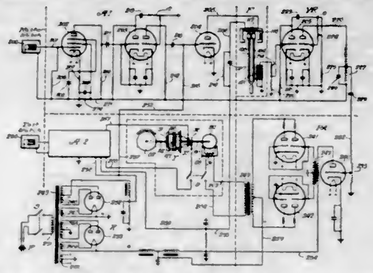
2,235,316
VIBRATOR
Henry M. Dressel, Chicago, Ill., assignor to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 29, 1939, Serial No. 270,877
14 Claims. (Cl. 200—90)



1. In a vibrator, a base, a pair of flat reeds rigidly mounted on one of the ends thereof on said base, a rigid elongated beam mounted on the other ends of said reeds, an armature carried by said beam at one end thereof and a movable contact mounted on the other end thereof, a stationary contact mounted on said base, at least one of said mounting means having a higher resonant frequency than said reeds, a spring carried by said beam at the contact end and extending beyond the contact and being stiffer than said reeds, a weight carried by said spring, an electro-magnet mounted on said base, said electromagnet including a magnetizing coil and pole face in proximity to said armature, and contact and magnetizing coil connections for maintaining said reed in vibration upon circuit energization.

2,235,317
CONSTANT FREQUENCY GENERATOR
Thomas B. Gibbs, Chicago, Ill.
Original application June 17, 1937, Serial No. 148,747. Divided and this application March 31, 1939, Serial No. 265,361
9 Claims. (Cl. 171—97)

4. In combination, a source of impulses of substantially constant low frequency, a tuning fork which has a natural period which is substantially a multiple of the said impulse frequency, means for causing said impulses to drive said fork at an amplitude which varies with the difference between the impulse frequency and the fork frequency, means responsive to operation of said fork for generating alternating current at a potential which varies with the amplitude of said fork, means for automatically limiting the potential to a value corresponding to a low amplitude of the fork, and means for amplifying said currents.



2,235,318
APPARATUS FOR CEMENTING WELLS
Erle P. Halliburton, Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application June 6, 1940, Serial No. 339,137
15 Claims. (Cl. 166—1)

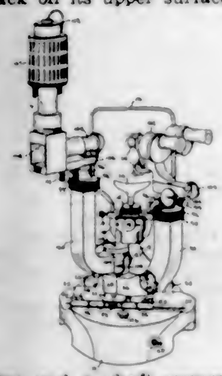


1. Apparatus adapted for use in holes in the earth, to force cement slurry or other sealing fluid into earth formations, including a tubular member adapted to be lowered into a hole for delivering sealing fluid into the same, two packers mounted in spaced relation on said tubular member, each of said packers being designed to expand and contact the wall of the hole and effect a seal therewith under the influence of fluid pressure exerted internally thereof, means providing an outlet for said tubular member between said packers, valve means controlling the flow of fluid from said tubular member through said outlet means and means for closing said valve except upon the existence of a predetermined excess of fluid pressure on the inside of said packers over the fluid pressure on the outside thereof, the arrangement being such as to prevent the discharge of sealing fluid from said tubular member through said outlet means except when said packers are effecting a seal with the wall of the hole.

2,235,319
SLIT LAMP
Frederick W. Jobe, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 30, 1939, Serial No. 297,402
3 Claims. (Cl. 88—20)

1. In an eye examining apparatus having a

base, a head rest on the base and pivotally mounted illuminating and observation devices rotatable either separately or together about a common axis, the combination therewith of a slidable carriage for supporting said illuminating and observation devices and spring pressed friction means for releasably locking the carriage at any point in its path of travel, said base having a track on its upper surface parallel to



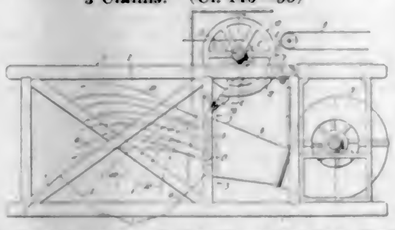
its front edge and a shaft supported thereon towards its rear edge in parallel relation to said track and the surface of the base, said carriage being slidably supported on said base by sleeved bearing means slidably engaging said shaft and by rotating bearing means contacting both sides of said track, said rotating bearing means being mounted upon said carriage near each side thereof and upon a bracket depending from the carriage and extending below said base.

2,235,320

RAISIN STEMMING APPARATUS

Louis Kilner, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif., a cooperative association of California

Application August 9, 1937, Serial No. 158,194
3 Claims. (Cl. 146—55)



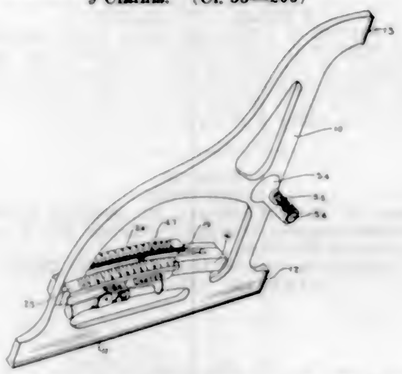
1. In apparatus of the character described, a raisin stemmer comprising: a generally cylindrical, elongated, horizontally disposed drum, the radially outwardly facing sides of which, relative to its horizontal axis, are of relatively resilient rubber grooved longitudinally of said axis; a concave comprising an imperforate, metal plate having a relatively smooth concave side facing said drum; said concave extending around substantially one quarter of the circumference of said drum; and means supporting said concave spaced from said drum a distance substantially that of the diameter of raisins to be fed between said concave and drum; and means for revolving said drum to cause movement of such raisins across said concave in direction of the circumferential movement of the cylindrical sides of the drum when the latter is so revolved.

2,235,321

CAMBER AND CASTER GAUGE

Thomas F. Krumm, Toledo, Ohio

Application May 22, 1940, Serial No. 336,616
9 Claims. (Cl. 33—203)



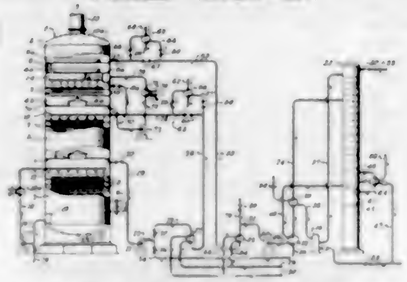
1. A gauge of the character disclosed comprising, in combination; a frame arranged to engage spaced points on a vehicle wheel, said frame having a portion provided with an arcuately shaped recess; a tube substantially filled with liquid in said recess forming a spirit level indicator; resilient means supporting said tube; a removable bar for securing said tube in said frame; a member slidably mounted on said bar; means for securing said slidable member upon said bar; and an adjustable index carried by said frame for determining the initial position of said slidable member.

2,235,322

AIR DRYING

Henry Arthur Martin, Kansas City, Mo., assignor to J. F. Pritchard & Company, Kansas City, Mo., a corporation of Missouri

Application January 29, 1940, Serial No. 316,179
7 Claims. (Cl. 183—120)



1. In the multi-stage process of dehydrating air wherein the air is intimately contacted in the earlier stages with relatively dilute solutions of triethylene glycol and in a final stage with only a relatively concentrated solution of the same material, the improvements which comprise, advancing all of said concentrated solution after use to said earlier stage and commingling it with said relatively dilute solution entering said earlier stages, withdrawing the commingled solution from said earlier stages, reconcentrating a minor portion thereof at a rate sufficient to continuously remove absorbed moisture from the system, cooling the reconcentrated portion and recycling

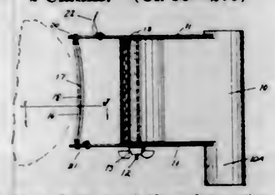
it to said final stage, and cooling the remaining major portion of said commingled solution and recycling it only to said earlier stages.

2,235,323

PARING TOOL

Joseph M. Maskulka and Stephan Zdelar, Youngstown, Ohio

Application November 28, 1939, Serial No. 306,503
2 Claims. (Cl. 30—278)



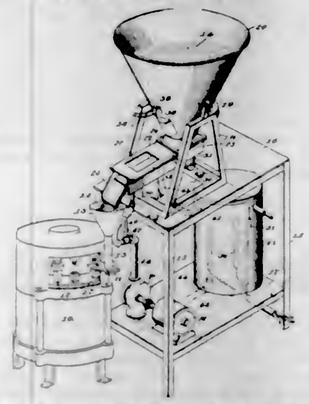
1. A paring device of the character described comprising a body including a handle member and a pair of spaced supports, a bolt passed through the said spaced supports and handle and adapted to hold the same in operative position thereon, the said handle formed with a palm engaging portion and oppositely disposed finger grip portions, together with out turned finger tip protecting portions and a curved cutting blade pivotally mounted between said spaced supports, said curved cutting blade embodying a pair of end members, a pair of blades secured to the said end members and disposed in spaced relation to one another and at opposite angles to one another so that one blade provides a guide for the other in following the contour of an article being pared, projections extending outwardly from the said end members for pivotal engagement with the said supports.

2,235,324

METHOD OF PREHEATING MOLDABLE MATERIALS

Stephen T. Moreland, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application October 14, 1937, Serial No. 169,076
1 Claim. (Cl. 18—55)



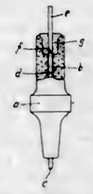
In the molding of granular synthetic resins the method which consists in so heating a substantially horizontal flat plate that the temperature thereof increases progressively from one end to the other, flowing granular moldable material onto the relatively cool end of the plate, vibrating the plate to cause movement of the moldable material in a continuous thin layer of substantially uniform thickness over the upper surface of the plate in a direction towards the zone of higher temperature, automatically discharging and piling the material following heating thereof and transferring measured quantities of the material from said pile to forming molds.

2,235,325

GAS-TIGHT JOINT BETWEEN THE ELECTRODE AND THE CERAMIC BODY

Artur Möhrle, Mohringen, and Edgar Sachs, Korntal, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application April 25, 1939, Serial No. 269,990
In Germany April 27, 1938
8 Claims. (Cl. 123—169)



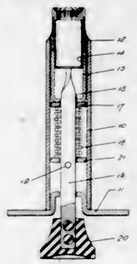
1. A joint between an electrode and an insulating body, which is gas tight and effective under changing temperature conditions, comprising a central electrode, an insulating element into which said central electrode is cemented, a wire welded to said central electrode, and a hard glass seal between said wire and said insulating body, said wire being of approximately the same heat expansibility as said hard glass seal.

2,235,326

SHAVING OR CUTTING DEVICE

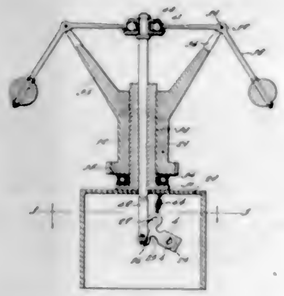
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application June 26, 1940, Serial No. 342,531
4 Claims. (Cl. 30—207)



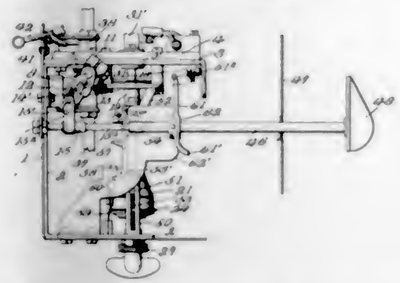
3. A cutting implement of the class described comprising a tubular member closed at one end and provided therein with a straight slot, a tubular cutter fixed in the other end of said member, a plunger having a flat sided section guided in said straight slot and a spiral inner end section, and a rotary thimble mounted within said member and having a slot extending transversely across its longitudinal axis to receive the spiral section of the plunger in rotary driving engagement.

2,235,327
POWER GOVERNOR
Bob Gage Murphy, Jr., Heath Springs, S. C.
Application June 14, 1938, Serial No. 213,721
2 Claims. (Cl. 74—104)



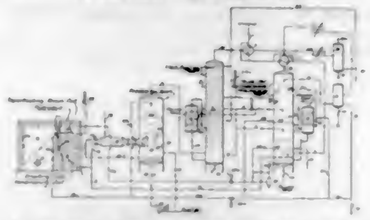
1. A control mechanism of the character described comprising a reciprocatory drive member, a driven shaft, said shaft being divided into a pair of sections, one of said sections having a recess therein for receiving the adjacent end of the other section, the recessed shaft section being provided with a tapered end, a block having a tapered polygonal-shaped recess therein for receiving the tapered end of the shaft section, a screw disposed through the block and into the tapered end of the shaft section, and a pivotal connection between the reciprocatory member and the block, said block including a neck portion and a transversely extending and arcuate head portion formed with an arcuate slot, said pivotal connection comprising a link member pivotally connected to the reciprocatory member and having a laterally disposed portion disposed into the slot of the block head.

2,235,328
SAFETY DEVICE FOR VEHICLES
Edward R. Neeper, Colorado Springs, Colo.
Application July 19, 1938, Serial No. 220,153
13 Claims. (Cl. 74—2)



1. A safety device of the kind described comprising a movably mounted plate, a shaft carrying means cooperating with said plate for reciprocating said plate, a spring for oscillating said shaft, a pin cooperating with said plate for holding said plate in set position against the action of said spring, a support, a pendulum carrying a disc adapted to cooperate with the support and a connection between said pendulum and said pin.

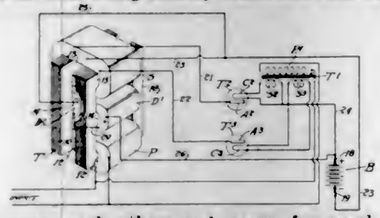
2,235,329
METHOD AND APPARATUS FOR TREATING A PLURALITY OF HEAVY HYDROCARBON OILS FOR SUBSEQUENT CRACKING
Ernest A. Ocon, Yonkers, N. Y.
Application February 7, 1938, Serial No. 189,136
10 Claims. (Cl. 196—48)



4. A process for converting hydrocarbon oils into relatively low boiling hydrocarbons suitable as motor fuel with negligible coke formation, which comprises distilling hydrocarbon oils including an initial uncracked charging stock in a preconditioning and primary fractionating zone to produce residual oils and purified intermediate condensates higher boiling than gasoline containing cracked and uncracked hydrocarbons substantially free from tar forming and sulphurous impurities, heating a portion of said residual oils at low cracking temperatures to moderately split its constituents into more volatile products with negligible coke formation, commingling such products in heated condition from the thus treated residual oils with the oils undergoing distillation in the preconditioning and primary fractionating zone to increase the vaporization, passing vapors of the cracked and uncracked hydrocarbons formed in said primary fractionating zone through a solid adsorbent contact mass capable of eliminating tar forming bodies prior to condensation of said intermediate condensates from these vapors, subjecting said intermediate condensates to cracking at temperatures and pressures higher than those imparted to the residuals subjected to moderate splitting to convert a substantial part of the condensates into gasoline hydrocarbons, separating vapor conversion products of the thus treated condensates from less volatile tarry liquid products, fractionally condensing from the thus separated vapor conversion products a substantially tar free condensate in a secondary fractionating zone, passing the tar free condensate thus formed in said secondary fractionating zone into the preconditioning and fractionating zone where said condensate is revaporized by purified vapors passed through said solid adsorbent contact mass to increase the amount of intermediate condensates composed of cracked and uncracked hydrocarbons formed therein.

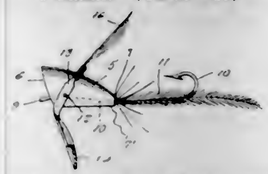
2,235,330
BATTERY CHARGER
Merlin L. Pugh, Minneapolis, Minn.
Application December 6, 1939, Serial No. 307,842
3 Claims. (Cl. 171—314)

2. In a battery charger, a coil and core system having a pair of similar magnetic core members forming two individual magnetic circuits, an alternating current coil surrounding similar portions of said core members, rectifier means including a half wave rectifier, means for supplying alternating current power through said coil to the input side of said rectifier means, a battery to be charged connected in circuit with said rectifier means, said core members each including a leg, said legs being similarly arranged, a direct current coil on each of said legs whereby the magnetic flux traversing said direct current coils also traverses said alternating current coil, said direct current coils being serially connected and wound



to oppose each other, and means for regulating the direct current output of said rectifier means comprising electrical connections for connecting said serially connected direct current coils across the terminals of said battery.

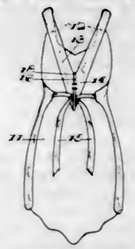
2,235,331
ARTIFICIAL BAIT
Charles R. Pugh, Terre Haute, Ind.
Application May 17, 1940, Serial No. 335,825
1 Claim. (Cl. 43—48)



A fish lure comprising a body tapering from its front end toward its rear end and having a flat bottom face and a blunt front face sloping in a rearward direction, a hook having the shank thereof secured in the rear end of the body, tail feathers secured in the rear end of the body and arranged about the hook, said hook having the bill portion thereof directed upwardly to be positioned in a plane above the bottom face of the body, feathered wing elements pivotally mounted on opposite sides of said body adjacent to the blunt front face and the flat bottom face, and a plate connecting said wing elements and movable under the bottom face of the body and tapering toward the free end and having a concave front face, said plate adapted to impart movement to the wing elements on the movement of the body through the water and act to stabilize said body in a floating position in the water.

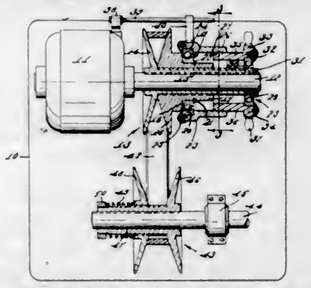
2,235,332
APRON
Ada Quinn, Ogden, Utah
Application August 4, 1939, Serial No. 288,444
6 Claims. (Cl. 2—48)

1. In an apron of the type wherein a pair of tie members are secured to the side edges of the body portion of the apron adjacent the waistline, a back section operatively connected at its upper end with the body portion of the apron, and means associated with said back section forming a plurality of tie member receiving openings disposed in a single vertical line, said means consisting of a strap of fabric material secured to said section at its extremities only, the portion of said strap intermediate its extremities being threaded through a plurality of vertically spaced openings in said section and freely slidable through said openings to form loops of adjustable size through which the tie members may be



selectively passed when adjusting and securing the apron in place upon the body of the wearer.

2,235,333
VARIABLE SPEED DRIVE
Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application November 17, 1939, Serial No. 304,898
2 Claims. (Cl. 74—230.17)



1. An adjustable V-pulley comprising a coned disc having an elongated hub projecting from its coned face, a mating coned disc axially slidably mounted on said hub and having a hub projecting from its outer face, an anti-friction bearing comprising two coplanar, concentric races and a series of anti-friction elements confined therebetween, the inner race of said bearing being fixed to the hub of said first-mentioned disc beyond the hub of said second-mentioned disc, a housing for said bearing fixedly associated with the outer race of said bearing and including an externally-threaded axially-extending sleeve projecting toward said discs, a second anti-friction bearing comprising two coplanar, concentric races and a series of anti-fricton elements confined therebetween, the inner race of said second bearing being fixed to the hub of said second-mentioned disc, a housing for said second bearing fixedly associated with the outer race of said second bearing and including an internally-threaded axially-extending sleeve projecting away from said discs and threadedly associated with the sleeve of said first-mentioned housing, and means holding said housing for said second bearing against rotation.

2,235,334
LUBRICATING DEVICE FOR ELECTRIC SWITCHES
Ernst Schimann, Berlin-Spandau, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application January 28, 1939, Serial No. 253,264
In Germany February 16, 1938
3 Claims. (Cl. 200—166)

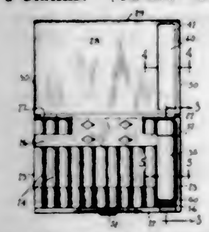
1. A wiper assembly for an electrical switch,

comprising two similarly shaped wiper blades each having a shank portion and, at or near its outer extremity, a contact portion, means including a substantially flat spacing member between the shank portions of said two blades for



clamping said blades in a superimposed but spaced apart relationship, said spacing member having a slot opening toward the contact portions of said blades, and a pad of oil soaked material in said slot and in contact with the inner surfaces of both of said blades.

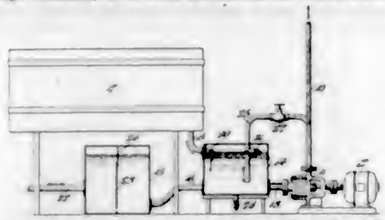
2,235,335
COMBINED CIGARETTE CASE AND LIGHTER
George Philip Schmitt, New York, N. Y.
Application May 3, 1940, Serial No. 333,182
3 Claims. (Cl. 206—41.4)



1. A combined cigarette case and lighter comprising in combination a lighter having a cylindrical housing and a movable valve extension at one end of said housing, and two oppositely dished case portions having a hinge connection therebetween, one of said portions providing a body having cigarette and lighter holding sections, the said lighter section being located at one end of said case, the other of said portions providing a cover for said body, the said case portions having similar registering transverse substantially rectangular openings at said one end of said case through which portions of the said lighter housing and said extension protrudes when said other of said portions is in closed position, said lighter housing substantially engaging said case portions when said cover is in closed position whereby the lighter is held substantially against lateral movement, the said transverse opening in said body permitting the finger of the hand of the user of the cigarette case to contact said lighter housing and to raise it out of said lighter holding section when said cover is in open position, said transverse opening in said body being in width less than the diameter of said cylindrical housing and at least equal in length to that of the combined length of said cylindrical housing and said extension of said lighter to prevent movement of said valve extension relative to said cylindrical housing upon positioning of said lighter in said lighter holding section at said transverse opening in said body.

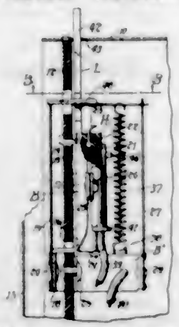
2,235,336
APPARATUS FOR MAINTAINING A LIQUID IN UNIFORM CONDITION
Fritz Schuster, Chemnitz, Germany
Application October 10, 1938, Serial No. 234,329
In Germany March 29, 1938
2 Claims. (Cl. 210—44)

1. An apparatus for controlling liquid delivered to hosiery being processed comprising a main reservoir, means to discharge liquid from said reservoir to a point of use, a control tank interposed between said main reservoir and said discharge means, a device actuated by variations of



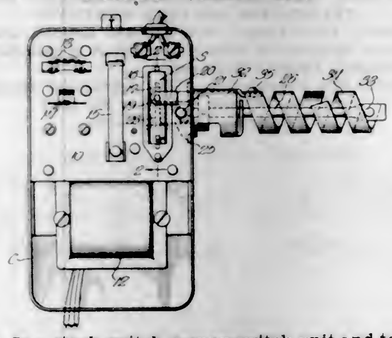
level in said tank for controlling the flow from said reservoir, a return from the point of use for delivering surplus liquid to said control tank, and a by-pass for liquid from said discharge means to agitate the liquid in said control tank.

2,235,337
SAFETY SWITCH
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application September 11, 1939, Serial No. 294,409
8 Claims. (Cl. 200—122)



1. In a safety switch, a casing, a panel therein, a latch bracket secured to said panel and having a portion projecting therethrough, a latch blade of bimetallic material secured to said portion and adapted to warp away from said panel when heated, a heater element supported in a clamp portion of said bracket whereby heat from said heater element is conducted through said bracket to said latch blade, a second bracket secured to said panel, a compensator blade of bimetallic material secured to said second bracket, a trip blade engaging the free ends of said latch and compensator blades, a spring holding said trip blade in engagement with said ends, said trip blade having a cam portion of insulating material and a contact portion, said cam and contact portions engaging said end of said latch blade, said cam portion having an inclined end with its obtuse corner shorter than said contact portion and its acute corner longer than said contact portion to effect movement of said latch blade under the influence of said spring to circuit-breaking position with respect to said contact portion after said latch blade warps to unlatched position relative thereto as a result of heat from said heater element, and circuit connections through said latch blade, the contact portion of said trip blade and said compensator blade by means of wires connected with said latch bracket and said second bracket.

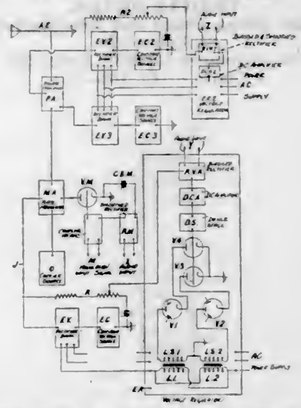
2,235,338
STACK SWITCH
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application November 15, 1939, Serial No. 304,558
8 Claims. (Cl. 200—138)



1. In a stack switch, a snap switch unit and temperature responsive mechanism for operating said snap switch unit, said snap switch unit comprising a rectangular frame having an open center, a buckled leaf spring extending between the ends of said frame, a contact carried by said buckled leaf spring, a stationary contact for coaction therewith, a projection from said buckled leaf spring for reversing the curvature thereof to effect opening or closing of said contacts with respect to each other, said temperature responsive mechanism including a rotatable shaft, a temperature responsive element for rotating said shaft, a disc rotatable with said shaft and having a plurality of closely spaced notches in a face thereof, an actuator rotatable relative to said disc and having a plurality of ball elements engaged with said notches to effect rotation of said actuator with said disc as the disc is rotated, said actuator including a leaf spring biasing said ball elements to engage said notches of said disc and a pair of projections beyond the periphery of said disc straddling and thereby operatively coacting with said projection from said buckled leaf spring.

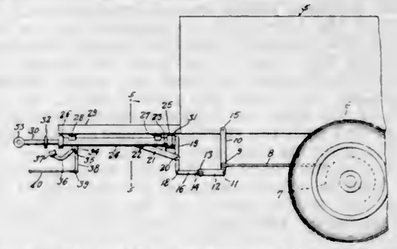
2,235,339
TRANSMITTER
James Charles Stewart, Mount Eden, near Auckland, New Zealand
Application May 24, 1937, Serial No. 144,526
In New Zealand June 6, 1936
5 Claims. (Cl. 250—17)

1. In a variable-carrier signalling arrangement, apparatus generating carrier-frequency output voltage and amplitude-modulation sideband waves originating from signal frequency waves, in combination with a first means effective in the presence of and actuated by energy under the control of signal waves of less than an arbitrary strength within the volume-range of the said signals, said first means changing the said carrier output voltage to values substantially in dependence upon values of the strength of the said signal waves and less than the value of said carrier output voltage in the substantial absence of signal, and with a second means effective in the presence of and actuated by energy under the control of signal waves of greater than said arbitrary strength, said second means changing said carrier output voltage to values substantially in dependence upon values of the strength of the said signal waves and greater than the value of the said carrier output voltage in



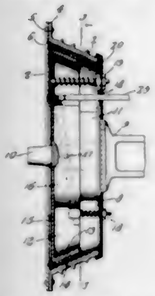
the presence of signal waves of said arbitrary strength.

2,235,340
BRAKING DEVICE
Robert H. Stuart, Varnado, La., assignor of one-half to Ruven O. Smith, Varnado, La.
Application December 2, 1939, Serial No. 307,320
1 Claim. (Cl. 188—142)



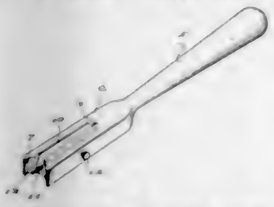
In a brake mechanism for operating the brakes of a trailer vehicle, a draw bar adapted to be connected by its front end to a draft vehicle, a tubular member fixed on the trailer vehicle in a horizontal position with said draw bar slidably supported therethrough, an operating lever, a bracket on said tubular member pivotally supporting said operating lever at a point intermediate the ends of the operating lever with one end of said operating lever positioned to be engaged by the rear end of said draw bar whenever the trailer vehicle overruns the draft vehicle, a stop on the rear end of the drawbar for engaging the lever and for engaging the rear end of the tubular member when the drawbar is moved forwardly to limit forward movement of the drawbar, a second stop on the drawbar for engaging the front end of the tubular member when the trailer overruns the draft vehicle, a bellcrank lever pivoted to a front portion of the tubular member and having a shoe at one end for fitting between the front stop of the drawbar and the front end of the tubular member, said shoe normally causing the bellcrank to move to a position where the shoe is in inoperative position and a member connected to the other end of the lever for moving the lever to a position where the shoe will engage the drawbar between the stop and the front end of the tubular member to prevent rearward movement of the drawbar sufficient to operate the trailer brakes.

2,235,341
VEHICLE BRAKE
Omar Orson Teters and John Barton, St. Louis, Mo.
Application November 30, 1939, Serial No. 306,922
1 Claim. (Cl. 188—71)



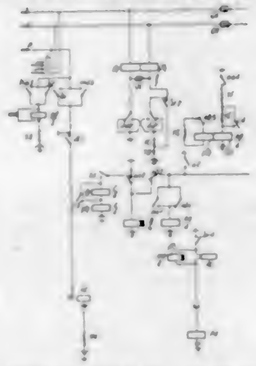
A brake device comprising a drum tapering from one end to the other, a brake member in the drum having a peripheral portion tapering from one end to the other and conforming to the taper of the drum, spring means for normally holding the brake member out of engagement with the drum, means for supporting the brake member for sliding movement but against rotary movement, a U-shaped lever having intermediate portions of its limbs pivotally connected with the brake member, pivotal means for connecting the ends of the lever with a stationary part of the device and manually operated means connected with the bight part of the lever for moving the same in a direction to cause the brake member to engage the drum, said pivotal means for the ends of the limbs of the lever including T-bolts connected with the stationary part and the ends of the lever having slots therein receiving the bolts and the heads of the bolts being of channel form to receive portions of the ends of the lever and spring means on the bolts engaging the stationary part and the ends of the lever.

2,235,342
TOOL FOR SPLITTING AND HULLING PEAS
Thomas P. Turner, Gaffney, S. C.
Application November 7, 1939, Serial No. 303,340
1 Claim. (Cl. 30—294)



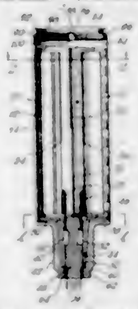
A tool for splitting the hulls of peas comprising an elongated straight handle, an elongated substantially rectangular head extending axially from one end of the handle and having a top face and a transversely concaved front end, said head being provided with a central longitudinal slot in the top face thereof opening into said concaved end of the head and having a closed rear end, and a blade-like cutting element having a straight cutting edge and fitting downwardly in said slot with the cutting edge thereof lowermost, said element being longer than said slot to abut the rear end of the latter and project into said concaved end of the head, and means to detachably secure said element in said slot.

2,235,343
IMPULSE REPEATING ARRANGEMENT FOR TELEPHONE OR LIKE SYSTEMS
William Tyler Vosper, New Eltham, London, England, assignor to Siemens Brothers & Company Limited, London, England
Application February 9, 1938, Serial No. 189,517
In Great Britain February 26, 1937
9 Claims. (Cl. 179—16)



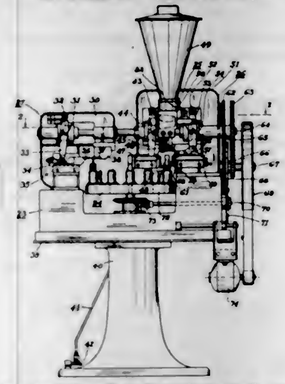
1. An impulse repeater comprising a series-parallel arrangement of three contacts in an outgoing circuit, and means controlled by electrical impulses received over an incoming circuit for operating said contacts thereby to transmit impulses over said outgoing circuit, one of the parallel contacts at times initiating each of the impulses transmitted over the outgoing circuit, the other of the parallel contacts at other times initiating each of the impulses transmitted over the outgoing circuit, and the series contact terminating each impulse transmitted over the outgoing circuit.

2,235,344
ELECTROLYTIC CONDENSER
Eric C. Wahlberg, Plainfield, N. J.
Application March 9, 1939, Serial No. 260,816
5 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising a plurality of anodes each having a connection element, a common cathode in the nature of a container for a common electrolyte, separator means between the anodes, said container having a tapered bore and said connection elements extending through the tapered bore, a shank extending through said tapered bore and having a disc located inside the container, said shank having grooves for partly housing said connection elements, resilient means positioned inside said tapered bore and encircling said shank and the connection elements in said grooves, one end of said resilient means engaging said disc, and means threadedly connected with said shank and coacting with the container for drawing the disc against said resilient means for compressing the latter tightly about said shank and said connection elements.

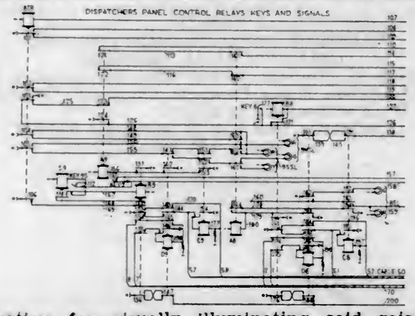
2,235,345
SUPPOSITORY-MAKING MACHINE
Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, (Olney Post Office), Pa., a corporation of Pennsylvania
Application May 2, 1938, Serial No. 205,485
12 Claims. (Cl. 113—1)



1. In a machine for forming and encasing an object, the combination comprising, means for conveying a plurality of filled casings each containing a plastic mass, a pair of closing and forming jaws mounted adjacent said means so as to operate on each of the casings on said means in succession, said jaws having oppositely disposed openings therein adapted to receive portions of said casings in said openings, portions of one of said jaws projecting therefrom so as to pass beyond the operating face of the other of said jaws when said jaws are in their closest position, and means for moving said jaws towards and away from each other.

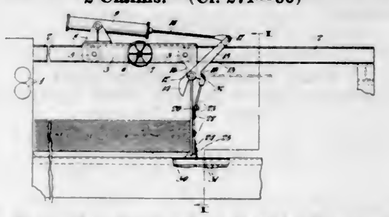
2,235,346
CENTRALIZED TRAFFIC CONTROLLING SYSTEM
John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 29, 1936, Serial No. 82,508
4 Claims. (Cl. 246—3)

1. In a centralized traffic controlling system for railroads, a control panel having lines therein representing railroad tracks, a miniature track switch rotatably mounted on the panel at a point corresponding to the location of the corresponding track switch in the field, circuit controlling means supported on the back of said panel controlled by said miniature switch for governing the operation of the track switch in the field, a raised transparent portion provided on said miniature track switch for enabling manual rotation of the same to simulate the different positions assumed by the corresponding track switch in the field, different colored lamps mounted directly behind the raised transparent



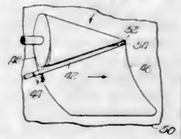
portion for visually illuminating said raised transparent portion, and circuits for lighting said lamps controlled by said circuit controlling means in accordance with the operated condition of the track switch in the field.

2,235,347
PILER END STOP
Walter A. Zahutnik, Gary, Ind.
Application April 15, 1939, Serial No. 268,083
2 Claims. (Cl. 271—86)



1. In combination with a sheet feeding mechanism, a piler end stop comprising a bed adjacent the delivery end of the sheet feeding mechanism, a carriage disposed above said bed, a vertically depending plate pivotally connected to said carriage, means carried by said plate and cooperating with said bed for locking said plate against pivotal movement, means mounted on said carriage for moving said plate into a substantially horizontal position, and means operated through said last named means for releasing said first named means.

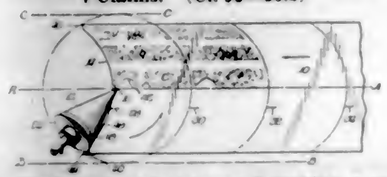
2,235,348
METHOD AND MEANS FOR FORMING PAPER CUPS
Walter E. Amberg, Chicago, Ill., assignor to Universal Paper Products Company, Chicago, Ill., a corporation of Illinois
Application January 9, 1939, Serial No. 249,859
7 Claims. (Cl. 93—36.2)



1. In the art of making cone-shaped cups from flexible sheet material, the step prior to the completion of the cup forming operation

which comprises forming a predetermined crease by the application of a predetermined pressure in that portion of the material from which the apex of the cup is formed.

2,235,349
PAPER CUP AND METHOD FOR THE MANUFACTURE THEREOF
Ralph G. Amberg, Libertyville, Ill., assignor to Universal Paper Products Company, Chicago, Ill., a corporation of Illinois
Application May 6, 1939, Serial No. 272,080
7 Claims. (Cl. 93—36.2)



1. That improved process of making a cone-shaped vessel having a pointed apex which consists in forming the vessel by winding it upon the end of a continuous strip of paper, progressively severing the vessel from the end of said strip of paper as it is being wound, and partially severing the leading edge of said strip by a line of severance terminating in the interior of the strip thereby to cause a separation of said leading edge and the formation of a reverse crease in the body of the strip prior to completion of the winding operation.

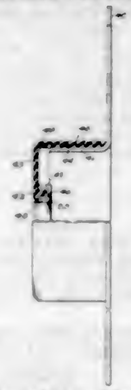
2,235,350
LOTION DISPENSER
Violet Anderson, Oakland, Calif.
Application March 19, 1940, Serial No. 324,870
1 Claim. (Cl. 224—28)



A dispenser comprising a substantially C-shaped container adapted to be mounted on a wrist, said container being for the reception of a fluid and including opposed side walls, one of said side walls comprising a comparatively thick portion having a discharge port therein, the discharge port having a counterbored, threaded inner portion providing a seat in said port, and a manually operable needle valve threadedly mounted in the other side wall and adapted to be screwed into the port for controlling the discharge of the fluid, said needle valve being engageable on the seat and including a reduced, unthreaded end portion engageable in the smooth portion of the port.

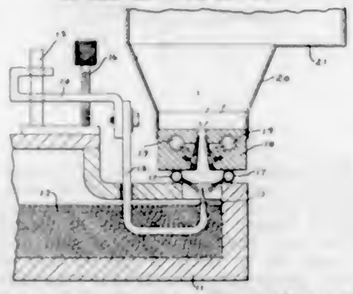
2,235,351
SEALING DEVICE
Solomon F. Baker, Detroit, Mich., assignor to Thornton Tandem Company, Detroit, Mich., a corporation of Michigan
Application July 29, 1938, Serial No. 222,070
7 Claims. (Cl. 288—2)

1. An annular sealing member of the character described comprising an outer flange section, a flexible intermediate section of non-metallic molded material, and an inner metallic sealing ring having a plurality of circumferentially spaced openings formed therein into which ex-



tend supporting elements molded integrally with said intermediate section.

2,235,352
APPARATUS FOR BLOWING GLASS WOOL
Harry Clifford Bates, Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application March 30, 1937, Serial No. 133,878
12 Claims. (Cl. 49—17)

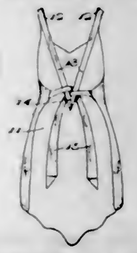


6. An apparatus for fabricating a fibrous product, which includes a forehearth containing a bath of molten glass, a blower located above a selected area of glass in the forehearth and arranged to direct gas upward at high velocity; and means for feeding glass into the zone of influence of said blower.

11. The method of producing a fibrous glass product which comprises creating a body of molten glass, mechanically raising and supporting portions of the surface glass above the surface of said body, pneumatically engaging said raised portions to continue their vertical movement, and pneumatically attenuating said portions to form fine glass filaments.

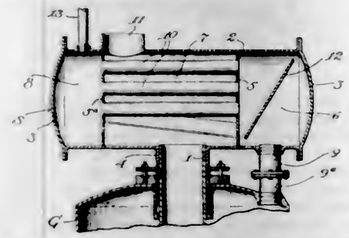
2,235,353
APRON
Kathleen Beede, Falls Church, Va.
Application July 25, 1939, Serial No. 286,458
3 Claims. (Cl. 2—52)

1. An apron comprising a body portion freely adjustable vertically on the body of the wearer, tie members secured to the side edges of said body portion adjacent the waistline, and a substantially V-shaped back so connected to the body portion as to enable a vertical adjustment of the latter on the body of the wearer by raising or lowering the lower end of the V-shaped back, said back consisting of a pair of relatively narrow fabric members operatively connected at their upper ends with the body portion of the apron and having their lower ends cut on a bias and secured together in abutting relation to form



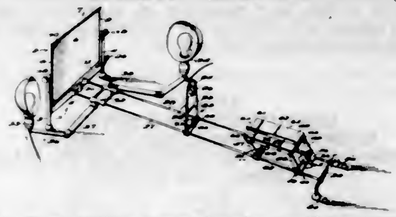
the vertex of the V, the space adjacent said vertex bounded by the upwardly diverging fabric members forming an opening through which the tie members are adapted to be passed in adjusting and securing the apron in place upon the body of the wearer.

2,235,354
STEAM SUPERHEATER
John H. Brown, Springfield, Mo.
Original application June 12, 1939, Serial No. 278,767. Divided and this application June 13, 1940, Serial No. 340,349
2 Claims. (Cl. 122—460)



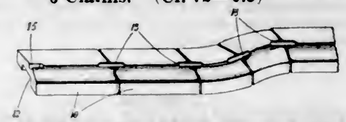
1. A steam superheater comprising a cylindrical drum adapted to be disposed in a horizontal position, dished end plates removably bolted to and closing the ends of the drum, a pair of partition walls dividing said drum into a steam inlet compartment, an intermediate flue compartment and a steam outlet compartment, a series of heat-transfer tubes extending between and opening through the partition walls, a passage opening through the circumferential wall of the drum for the introduction of hot flue gases into the flue compartment in a direction at approximately right angles to the heat-transfer tubes, a sleeve surrounding said passage externally of the drum and adapted to encircle and engage a flue for supporting the superheater in position, an offtake opening through the circumferential wall of the drum upon the opposite side of the drum from said passage but laterally offset therefrom for the removal of flue gases from said flue compartment, an opening through the circumferential wall of the steam inlet compartment for the introduction of steam therein and the removal of condensate therefrom, a baffle within said steam inlet compartment located at an angle to and in line with said opening, and a duct leading off through the circumferential wall of the steam outlet compartment for the removal of steam therefrom.

2,235,355
MOTION PICTURE TITLING APPARATUS
William J. Brown, Jr., Irvington, N. J., assignor to American Bolex Company, Inc., New York, N. Y., a corporation of New York
Application June 21, 1939, Serial No. 280,424
22 Claims. (Cl. 88—24)



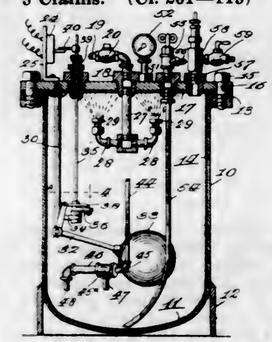
1. In a titling apparatus for motion pictures, a base, means for supporting a title mounted on said base, a camera supporting platform mounted on said base in spaced relation to said title supporting means, means adapted to vertically adjust said platform, and a movable camera aligning bar mounted on said platform and means for moving said aligning bar for transversely adjusting a camera in relation to said platform and said title supporting means.

2,235,356
PROTECTIVE TILE FOR COVERING UNDERGROUND CABLES
Edward Victor Byers, Fenham, Newcastle-on-Tyne, England, assignor to H. J. Baldwin & Company, Limited, Nottingham, England
Application December 11, 1939, Serial No. 308,743
In Great Britain December 12, 1938
6 Claims. (Cl. 72—0.5)



1. A slab-like protective or warning tile applicable for covering underground cables and the like and adapted to be connected end to end with others in a line thereof, having opposed end faces, an integral tongue projecting from the lower part of one said end face and a correspondingly shaped and disposed slot in the lower part of the opposite end face.

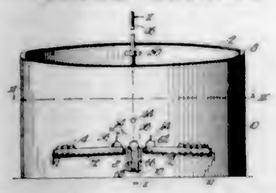
2,235,357
AUTOMATIC CARBONATOR
Harry R. Conklin, Los Angeles, Calif.
Application August 6, 1938, Serial No. 223,482
5 Claims. (Cl. 261—115)



1. In a carbonator, the combination with a

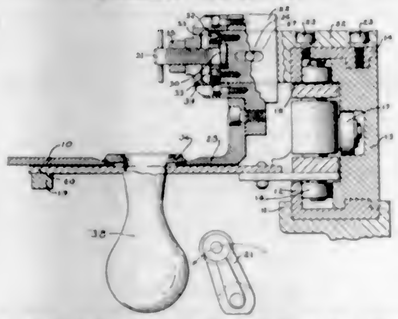
pump, a motor for driving said pump and the circuit in which said motor is located, of a tank, a cover plate removably mounted on said tank, a duct leading from the pump through said cover plate, spray nozzles connected to said duct within the tank, means carried by the cover plate for admitting gas to the tank, a switch located in the motor circuit and mounted on said cover plate and means actuated by the liquid level within the tank for actuating said switch.

2,235,358
GOLF PRACTICING DEVICE
Katherine I. Connell, Kansas City, Mo.
Application November 16, 1939, Serial No. 304,645
6 Claims. (Cl. 273—35)



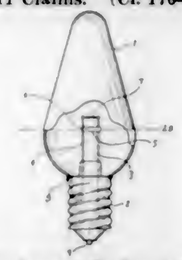
1. A golf pitch-shot practicing device comprising an open top case having a continuous circumscribing vertical wall provided with a plurality of openings therethrough; a pair of inclined, spaced apart floors in the case below the upper edge thereof and above the lower edge of the case; a number of openings formed through the uppermost floor; walls between the floors to divide the space therebetween into a number of ways each in communication with one opening in the floor and one opening in the wall; and a holder in communication with each opening through the vertical wall respectively.

2,235,359
METHOD OF SEPARATING GLASS ARTICLES FROM A RIBBON OF GLASS
George L. Curry, Pawtucket, R. I., and Albert N. Smith, Wellsboro, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application April 14, 1939, Serial No. 267,902
2 Claims. (Cl. 49—77)



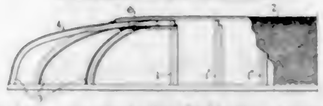
2. The method of separating glass articles from a moving ribbon of glass from which they have been formed, which includes exerting a lifting force simultaneously on opposite sides of the ribbon at a predetermined point in its travel, holding the articles against elevation with the ribbon and striking the articles as the ribbon is being lifted.

2,235,360
THERMOSTATIC FLASHER LAMP
George B. Davis, Jr., Washington, D. C.
Application May 4, 1940, Serial No. 333,434
11 Claims. (Cl. 176—24)



1. An incandescent flasher lamp comprising a filament, leads to said filament, thermostatic shunt means connecting one of said leads, and in position to move into and out of contact with the other of said leads.

2,235,361
CONNECTION BETWEEN ROOF OR OTHER UNITS OF RAILWAY OR OTHER VEHICLES
Walter B. Dean, Paris, France, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application March 10, 1939, Serial No. 260,894
In France April 25, 1938
5 Claims. (Cl. 108—5.4)

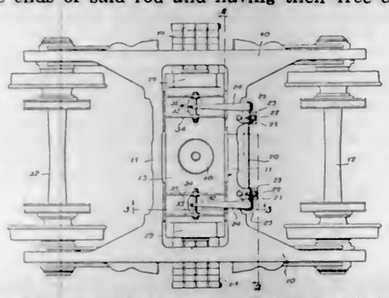


4. A joint construction between portions of a vehicle body wall, each portion including framing and sheathing secured thereto, and at least a part of said portions extending adjacent the joint being similarly contoured, one of said portions being covered with smooth sheathing and the other with corrugated sheathing, the corrugations running in a direction at right angles to the joint and being extended for at least a portion of the length of the joint a substantial distance into overlapping relation with the smooth sheathing of the other portion and directly secured thereto through the bottoms of the corrugations substantially throughout said overlap, whereby the joint between the parts is stiffened by a plurality of closely spaced closed columnar sections greatly strengthening the joint in the region of overlap to transmit compression, tension and shear loads from one portion to the other.

2,235,362
ROLL STABILIZING DEVICE
Rupen Eksergian, Lansdowne, and Henry K. Harwick, Darby, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 21, 1939, Serial No. 269,088
5 Claims. (Cl. 105—190)

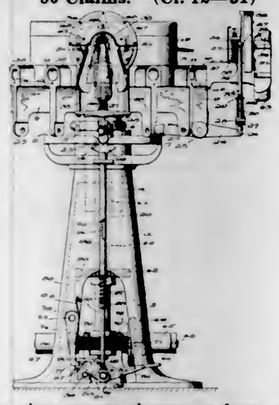
1. In a railway truck, a rigid truck frame having side frames and spaced transoms rigidly interconnecting the side frames, a bolster mounted for movement transversely of said frame, disposed between said transoms and spring supported adjacent its ends from said truck frame, and means for preventing transverse tilting of the bolster

and unequal loading of the springs at its opposite ends, said means comprising a transverse torsion rod pivoted adjacent its opposite ends on said rigid truck frame and arms rigidly secured adjacent the ends of said rod and having their free ends



pivotally and slidably connected to the bolster, the slidable connection permitting freely the transverse movement of the bolster and the pivotal connection permitting limited universal movement between the arms and the bolster.

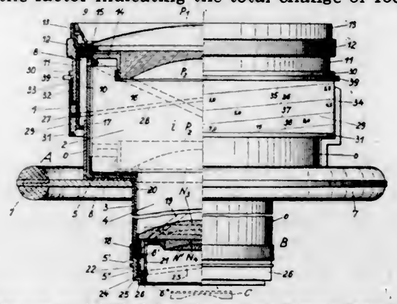
2,235,363
SHOE UPPER SHAPING MACHINE
Benjamin W. Freeman and Joseph G. Herbers, Cincinnati, Ohio, assignors to The Louis G. Freeman Company, Cincinnati, Ohio, a corporation of Ohio
Application October 18, 1934, Serial No. 748,957
50 Claims. (Cl. 12—51)



1. In a shoe upper shaper, a form adapted to fit within and support a shoe, said form being shaped to conform to, and to facilitate an operation upon a shoe upper, shaping means for engaging and applying pressure against said form including means for localizing pressures on selected portions of said form, power actuated means for moving said shaping means into and out of engagement with said form, and means automatically operative to maintain the application of such pressures a predetermined length of time.

2,235,364
AFOCAL CAMERA LENS ATTACHMENT
Hugh John Gramatzki, Berlin-Zehlendorf, Germany
Application June 3, 1939, Serial No. 277,290
In Germany March 24, 1935
7 Claims. (Cl. 88—57)

1. A telescopic attachment for camera lenses for altering the equivalent focal length comprising, a positive front lens and a negative rear lens, two intermediate lenses having equal focal length and enclosed between said front lens and said rear lens, one of said intermediate lenses being negative and arranged next to the front lens, the other intermediate lens being positive and arranged next to the rear lens, operating means adapted to shift said intermediate lenses in axial directions, the distance between front and rear lens being equal to the focal length of the front lens divided by a factor equal to the square root of the factor indicating the total change of focal



distance multiplied by the same factor less the unit, the focal length of the negative intermediate lens being equal to the focal length of the front lens divided by the same factor increased with the unit, the focal length of the negative rear lens being equal to that of the front lens divided by said factor, said negative lens consisting of two members cemented together forming a collecting cemented surface showing its convex side against the incident light and operatively connected to said operating means so as to be moved for a short distance towards the front lens in linear relation to the movement of the intermediate lenses.

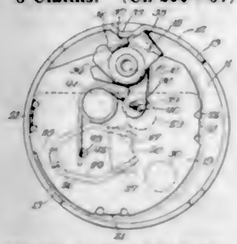
2,235,365
FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES
Alfred Grumbt, Kassel, Germany, assignor to Henschel & Sohn Gesellschaft mit beschrankter Haftung, Kassel, Germany
Application May 21, 1938, Serial No. 209,214
In Germany May 24, 1937
1 Claim. (Cl. 299—107.6)



In a fluid controlled needle valve for the injection of fuel into an internal combustion engine, the combination of: a housing formed with a valve seat and a main bore and an annular recess located between the lower end of the valve seat and said main bore; a needle valve having a surface resting in the closed position of the valve upon said valve seat and also having a pin-like extension at its lower end located in said main bore and of slightly lesser diameter than the bore so as to leave an annular clearance in all positions of the needle valve and through which, upon lifting of the valve, fuel issues in the form of an annular jet; and an additional fuel port so constructed and arranged as to open and close upon the lifting and lowering of the needle valve, said additional port consisting of a transverse bore in the needle valve communicating with said annular recess and a further bore

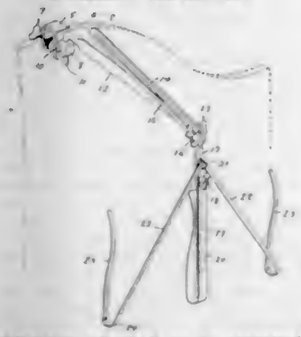
in said needle valve communicating with the transverse bore and opening at the lower surface of the pin.

2,235,366
SWITCH CONSTRUCTION
Willis E. Hazelwood, Elkhart, Ind., assignor to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
Application November 30, 1938, Serial No. 243,981
8 Claims. (Cl. 200—67)



1. In a switch of the character described: a housing having a metal side wall and a non-conducting end wall providing a base; a stationary contact carried by the base and exposed on the inner face thereof; a movable contact; an insulated carrier member for the movable contact; a metal shielding member connected with the carrier member and overlying the same on its side remote from the base, said metal shielding member being large enough to cover the contacts in any position of the connected carrier and shielding members; means pivotally mounting said connected members for swinging movement inside the housing to carry the movable contact to and from engagement with the stationary contact; a metal actuating cam pivotally mounted inside the housing; means electrically grounded to the housing side wall engageable with the cam for limiting movement thereof between two defined positions and for electrically grounding the cam to said housing side wall; and a snap spring connected between the metal actuating cam and the metal shielding member for snapping said connected members from one position to the other as the actuating cam is operated and for electrically grounding the shielding member through the cam to the housing side wall.

2,235,367
BOOKHOLDER
Ethel Dupont Heausler, New Orleans, La.
Application June 12, 1939, Serial No. 278,803
1 Claim. (Cl. 45—82)



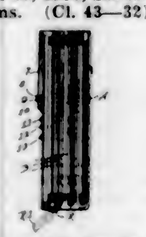
A bookholder adapted to be suspended from the head of a bed or the like comprising a hanger bar adapted to be arranged in upstanding position, a U-shaped spring clip of elongated form and bar-like metal endwise slidable on said hanger bar longitudinally thereof into different set positions, said clip depending from said bar and being adapted for clamping an open book therein, a pair of bars depending from the upper end of said clip downwardly and outwardly therefrom upon opposite sides thereof, respectively, for supporting the back of the book and terminating in laterally curved lower ends for supporting the lower edge of said book, and a pair of resilient rods upstanding from the curved ends of the pair of bars for bearing against the leaves of the book in front thereof.

2,235,368
WELT FOR SHOES
William F. Heft, Quakertown, Pa., assignor to McAdoo & Allen Welting Company, Quakertown, Pa.
Application May 4, 1940, Serial No. 333,264
1 Claim. (Cl. 36—78)



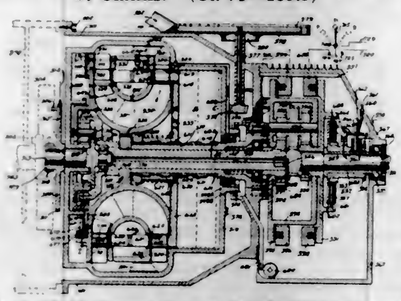
A welt for shoes comprising an integral folded leather strip having a relatively thick and blunt marginal edge and a relatively sharp marginal edge and having to one side of substantially its center line a rounded upstanding bead presenting a counter-sunk or concave molding extending from the bead to the sharp edge and providing for regular Goodyear stitching and having on the other side of the center line a flat surface extending to the thick edge and providing regular storm welting, there being between the molding and the upstanding bead portions a closed wide angled miter joint, the wide angle joint and the counter-sunk molding providing the sharp edge.

2,235,369
FLY BOOK FOR FISHERMEN
Glen P. Heiner, Salt Lake City, Utah
Application June 20, 1936, Serial No. 86,219
2 Claims. (Cl. 43—32)



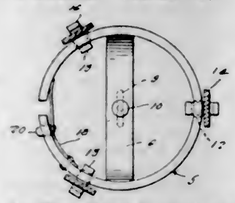
1. In a fly book in which the leaves and parts are quickly removed or reinserted, the combination of a flat sheet of fabric forming a cover, said cover having stiffening means secured in one side thereof; male and female snap fasteners secured on the inside of said cover; a female snap fastener secured to the closing flap of one end of said cover; multiple male fasteners secured to the outside of the other end of said cover one to engage the female fastener on the flap of the cover, depending upon the number of leaves in the cover; separate leaves formed of a flat sheet of fabric folded medially thereof each leaf having male fasteners on all four corners and along the outer edge on one half thereof and female fasteners on the other half in like positions with each successive leaf to be formed with identical fasteners in like positions the male fasteners to be received in the female fasteners to lock each successive leaf to the next leaf and to secure each outside leaf to the cover of the book each leaf carrying different means for carrying flies.

2,235,370
ELECTRICALLY CONTROLLED FLUID TRANSMISSION
Joseph Jandasek, Cicero, Ill.
Application March 25, 1937, Serial No. 132,925
27 Claims. (Cl. 74—189.5)



1. A fluid torque converter having a power transmitting fluid circuit comprising an impeller, a turbine, and a guide wheel, and means for displacing said guide wheel in relation to the fluid circuit so as to form a multi-stage fluid torque converter in one position of the guide wheel or to form a single stage torque converter in another position or to transform the torque converter circuit into a fluid coupling circuit producing an unchanged torque.

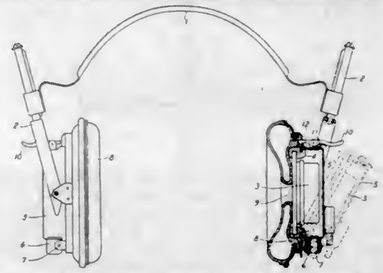
2,235,371
FISH LANDING DEVICE
John P. Jyrkas, Fergus Falls, Minn.
Application June 12, 1940, Serial No. 340,172
3 Claims. (Cl. 43—5)



1. A fish landing device comprising a split band, a substantially semi-circular shaped bail integrally connected with the band, said split band adapted to be placed on a fishing line by passing the line between the ends of said band, a resilient securing means secured to the band and spanning the space between the ends of the band and capable of flexing to permit the fishing line to enter the band, and hooks hinged to the split band.

2,235,372
RECEIVER HEADBAND
Otto Kalbitz, Finkenkrug, near Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany
Application December 31, 1938, Serial No. 248,737
In Germany February 22, 1938
3 Claims. (Cl. 179—156)

1. In an apparatus for securing head phones to the head of a user, a pair of resilient ear pads fitting over the ears each having a central opening, a band for holding said pads against the ears, a pair of ear phones pivotally mounted on the lower side of the pads below the openings in said pads and rotatable into a position covering



the opening in said pads, and a snap locking arrangement for holding the ear phones in position covering the opening and having the latch of said locking arrangement operable to automatically release the phones and cause them to rotate away from openings and hang suspended from the ear pieces.

2,235,373
MANUFACTURE OF SLIDE FASTENERS
Edward Kalweit, South Ozone Park, N. Y., assignor, by mesne assignments, to Lapin Products, Inc., New York, N. Y., a corporation of New York
Application May 28, 1938, Serial No. 210,774
2 Claims. (Cl. 18—59)

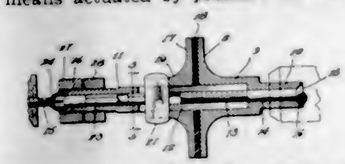


1. The method of manufacturing slide fasteners, which comprises molding plastic material into a strip of transversely projected fastener elements in spaced side-by-side relation connected with a continuous longitudinal web by stems having openings therethrough and with the head portions of the fastener elements in wholly separate relation at the free ends of said spaced elements, feeding said strip longitudinally step-by-step in a substantially horizontal plane, severing the fastener elements at the advanced end of the strip longitudinally across the openings in the stems to detach said elements from the web with portions at such openings separated to form jaws and in so severing, shifting the separated elements substantially vertically out of the general horizontal plane of the fastener strip, advancing a tape step-by-step substantially vertically in parallel relationship to said shifting movement of the severed fastener elements and with an edge of the strip toward said spaced jaw portions of the severed fastener elements, applying a cementing medium to said edge portion of said tape, transferring the severed elements laterally to carry the spaced jaw portions of the severed elements over the cemented edge of the tape and squeezing said separated jaw portions over said cemented edge portion of the tape.

2,235,374
PORTABLE POWER-DRIVEN SCREW DRIVER
Ray E. Kellogg, Lakewood, N. Y.
Application June 2, 1939, Serial No. 277,077
9 Claims. (Cl. 144—32)

1. A device of the class described comprising a

sleeve, a driving member mounted for rotation on the sleeve, a bit non-rotatably and axially slidable in the sleeve for engagement with a screw, a driven member non-rotatably and axially slidable on said sleeve and operable by the bit, means actuated by pressure on the bit for



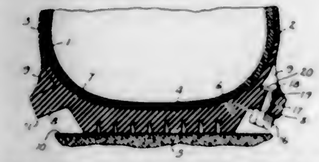
transmitting motion from the driving member to the driven member, and means carried by the sleeve and adapted to bear against the work for relieving pressure on the bit and rendering the driving member inactive when the screw penetrates the work to a predetermined depth.

2,235,375

PNEUMATIC TIRE

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 22, 1938, Serial No. 247,151
6 Claims. (Cl. 152—210)



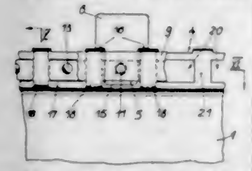
4. A device of the character described comprising in combination an inflatable tire casing having a peripheral road engaging tread portion around the body thereof and a laterally extending rib member integral with the casing disposed adjacent the tread, and a relatively hard skid resisting element embedded in the rib but not in the body so that dislodgement of the element is ineffective to deflate the tire.

2,235,376

ADDRESSING PRINTING PLATE WITH EXCHANGEABLE RIDERS

Joseph Krell, Berlin-Zehlendorf, Germany

Application November 9, 1939, Serial No. 303,676
In Germany November 10, 1938
12 Claims. (Cl. 101—369)



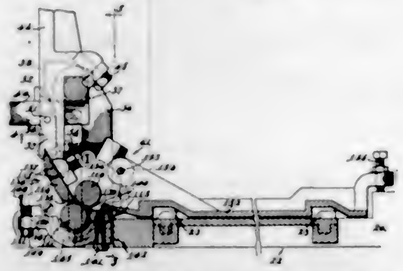
1. In combination with an addressing printing plate consisting of a material adapted to be stamped and having at both its longitudinal sides folded hollow guide rims, of which at least one is provided along its outer edge with a plurality of insertion slots arranged side by side and adapted to receive riders, springs connected with one another and adapted to be shoved in common into the hollow space of said guide rim and to secure said riders in their operative position.

2,235,377

GRAIN BREAKER

Ed Laxo, Riverside, Ill., assignor to Owens-Illinois Can Company, a corporation of Delaware

Application July 21, 1938, Serial No. 220,471
17 Claims. (Cl. 153—2)



6. An apparatus for processing blanks to be used in the making of can bodies comprising upper and lower cooperating rolls which are substantially tangentially disposed with respect to each other and between which said blanks are adapted to pass downwardly and rearwardly; means positioned in close proximity to the roll pass and forwardly of said rolls and above the level of said lower roller and against which said blanks are adapted to bear while passing through said rolls for progressively bending said blanks beyond the elastic limit thereof in one direction; and means positioned in close proximity to the roll pass and rearwardly of said rolls and below the level of said upper roller directly in the path of the blanks issuing therefrom and against which said blanks are adapted to bear while passing through said rolls for progressively bending said blanks beyond the elastic limit thereof in the other direction, said rolls being so relatively positioned that a plane containing their axes is inclined to the line of delivery of the blanks.

13. An apparatus for processing blanks to be used in the making of can bodies comprising a pair of cooperating rolls which are substantially tangentially disposed with respect to each other and between which said blanks are adapted to pass; a breaker steel positioned forwardly of said rolls in close proximity to the line of tangency between the rolls and disposed between said line and a plane tangent to both rolls and cooperating with the rolls for progressively bending said blanks beyond the elastic limit thereof in one direction; a breaker steel positioned rearwardly of said rolls in close proximity to the line of tangency between the rolls and disposed between said line and a plane also tangent to both rolls and cooperating with the rolls for progressively bending said blanks beyond the elastic limit thereof in the other direction; and cooperating means on said rolls for forming a bead in the blanks while simultaneously processing the same.

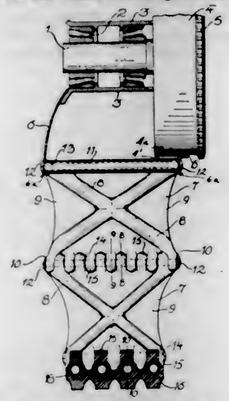
2,235,378

TIRE AND WHEEL COMBINATION

James V. Martin, Garden City, N. Y.

Application June 20, 1935, Serial No. 27,603
30 Claims. (Cl. 152—7)

3. In combination with a vehicle wheel and rim, a tire with a tread portion including separate multiple hoops carrying the vehicle load through yieldable tension spokes and combined with a rubber tread forming the outer face of the said tread portion, the said face being substantially flat and the outer edge of each spoke uniting with lugs of the said tread portion, each said



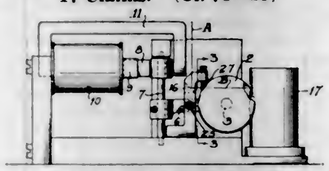
spoke having diagonally crossed ribs to resist lateral movement of the said tire.

2,235,379

IMPULSE CLUTCH

Delos E. Marsh, Los Angeles, Calif.

Application April 6, 1938, Serial No. 200,362
17 Claims. (Cl. 74—25)



4. In combination, transmission elements each adapted for movement, said elements being also adapted for relative shifting distinct from said movement of the elements, a contact surface on one of the transmission elements, actuating means for producing said relative shifting, means for periodically operating said actuating means independently of said movement of the transmission elements, said relative shifting causing engagement of the contact surface on the said one of the transmission elements with the other transmission element, said engagement providing a driving connection for producing said movement of one of the transmission elements by said movement by the other transmission element, the transmission elements being adapted for relative displacement responsive to movement thereof one by the other, and the contact surface being adapted for disengagement from the other transmission element responsive to said relative displacement and independently of said relative shifting, and means operative upon disengagement of the contact surface from the other transmission element for arresting said movement of one of the transmission elements by the other.

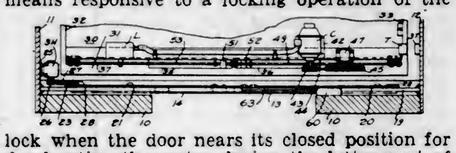
2,235,380

ELEVATOR DOOR OPERATOR

Harold V. McCormick, Jersey City, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of New Jersey

Application February 17, 1938, Serial No. 190,990
9 Claims. (Cl. 187—52)

8. In a door operating system for an elevator, a door, an electric motor for opening and closing the door, switches for starting, stopping and reversing the motor, a lock for the door, and means responsive to a locking operation of the



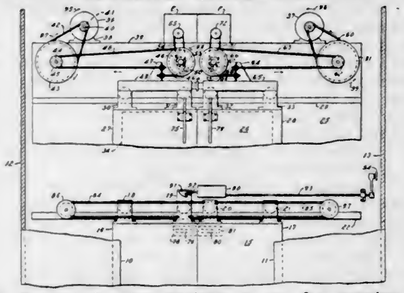
lock when the door nears its closed position for decelerating the motor during the latter part of the movement of the door to its closed position.

2,235,381

DOOR OPERATING SYSTEM FOR ELEVATORS

Harold V. McCormick, Westfield, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois

Application January 31, 1940, Serial No. 316,539
15 Claims. (Cl. 187—52)



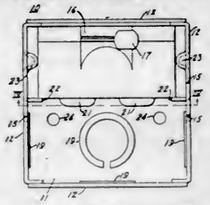
1. In an elevator system, a car for serving a floor landing in a hatchway, a center opening hatchway door comprising a pair of horizontally slidable door sections mounted at the landing, and power means mounted on the car for individually engaging the hatchway door sections when the car is at the floor and moving them in opposite directions to close or open the door.

2,235,382

SWITCH HOUSING

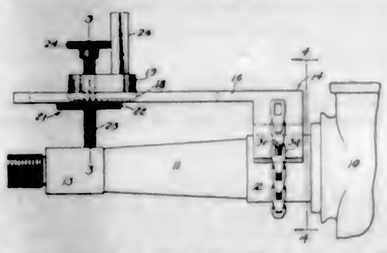
Stephan Miller, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 31, 1938, Serial No. 199,153
6 Claims. (Cl. 200—168)



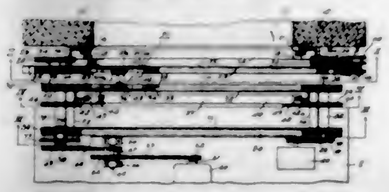
1. A housing for a rectangular switch unit comprising a rectangular box having integral bottom and side walls, said bottom and side walls having inwardly extending projections formed integrally therewith to engage one side of the switch unit for holding the switch unit in a predetermined position at one side of the box, a removable cover for retaining the switch unit in the box, and means for securing the cover on the box.

2,235,383
GAUGE FOR SPINDLES AND THE LIKE
John E. O'Donnell, Boston, Mass.
Application April 27, 1940, Serial No. 331,896
1 Claim. (Cl. 33—193)



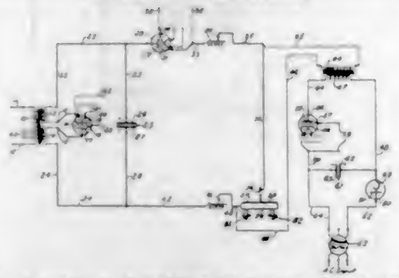
A gauge of the class described comprising a body made with a crotch to seat upon a spindle or the like and with a cantilever arm projecting laterally from said crotch and supported by the latter in parallel relationship with respect to the axis of the spindle or the like, said arm being made with a longitudinal slot; a slide mounted upon the top side of said arm made with a key fitting into said slot so as to hold said slide against sidewise displacement on said arm but with provision for adjustment lengthwise thereon, said slide being also formed with a threaded hole extending therethrough whose axis is disposed at right angles to and intersects the axis of the spindle or the like to which the gauge is applied; a thumb nut made with an interiorly and exteriorly threaded tubular shank screwed upwardly into said threaded hole, said shank being provided at its lower end with a head which is tightened against the bottom side of said arm to fixedly clamp said slide in its adjusted position; a manually operated thumb screw extending through and in threaded engagement with said nut, the upper end of said screw being made with a circular head bearing a scale and the lower end thereof being adapted to abut the spindle or the like; an up-standing index post on said slide co-operatively disposed with respect to said scale, and means separably clamping said crotch in position on the spindle or the like.

2,235,384
ELEVATOR DOOR OPERATOR
Andrew C. Radceff, Jersey City, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application January 10, 1940, Serial No. 313,241
5 Claims. (Cl. 187—60)



1. In an elevator system having a car serving a hatchway landing, a vertically movable door at the hatchway landing, a vertically movable door on the car, a motive means mounted on the car, and means responsive to operation of the motive means on the car for vertically moving the car door and the hatchway door when the car is stopped at the hatchway door.

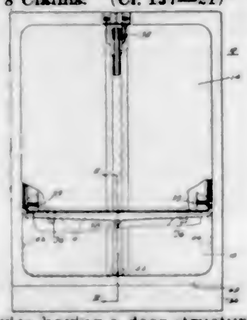
2,235,385
WELDING METHOD AND APPARATUS
Alexander Rava, Jersey City, N. J.
Application March 23, 1939, Serial No. 263,579
24 Claims. (Cl. 219—8)



1. A method of welding by fusion of the metal parts to be joined comprising the steps of bringing the parts to be joined into proper welding relationship with one another and with a welding electrode, intermittently storing energy, isolating the work circuit from the storage circuit while said energy is being stored, and intermittently releasing said energy, thus producing a sequence of unidirectional, intermittent arc discharges of relatively high current density and of relatively short duration through the gaseous medium of the gap between said electrode and said metal parts to be joined.

14. Welding apparatus comprising a work circuit, a storage circuit, means for intermittently storing energy in said storage circuit, means for isolating said work circuit from said storage circuit while energy is being stored, means for producing in said work circuit a series of unidirectional low voltage-high current arc discharges, means for producing a series of high voltage-low current arc discharges of similar vectorial direction in synchronism therewith, and means for superimposing said discharges and simultaneously passing them through the parts to be joined.

2,235,386
DISHWASHER CONSTRUCTION
Fred P. Rueckert, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 15, 1940, Serial No. 319,064
8 Claims. (Cl. 137—21)



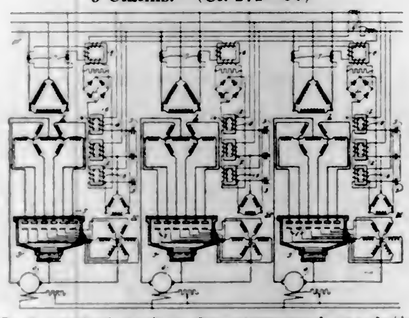
1. In a device having a door structure hingably mounted along one side, the combination of a drip-trough for the door structure mounted wholly within the confines of such device and below the door structure, means normally supporting the drip-trough removably attached to the device, to permit, upon such removal, ready access to the drip-trough to enable such trough to be easily cleaned, and a drain tube mounted within the device and attached to said drip-trough to support the same upon removal of said normal supporting means.

2,235,387
CURRENT COLLECTOR
William Schaake, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 25, 1939, Serial No. 269,891
5 Claims. (Cl. 191—59.1)



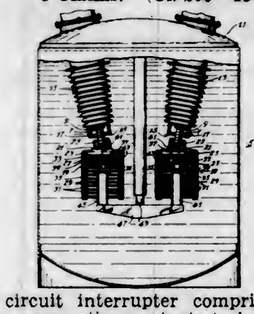
1. A slider shoe for engaging a trolley conductor comprising, a cast body member of a relatively soft aluminum bronze alloy capable of withstanding heat treatment within a predetermined range of temperatures, and an insert of a relatively hard graphitized cast iron heat treatable at temperatures within the said range of temperatures to produce a predetermined hardness in the insert cast integral within the body member so as to have one face exposed to provide a wear surface for engaging the conductor and hardened after the casting operation by heat treatment including heating above a critical value for the insert which is within the said range of temperatures and quenching to improve its wear resisting qualities.

2,235,388
VAPOR ELECTRIC DEVICE
Günther Scharowsky, Berlin-Charlottenburg, and Jürgen von Issendorff, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 1, 1939, Serial No. 265,558
In Germany April 1, 1938
5 Claims. (Cl. 171—97)



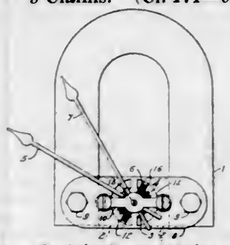
5. A control system for compound regulation of a plurality of converters supplied from a common source and supplying similar loads comprising control electrodes for each of said converters, individual impulsing devices for each of said converters, direct current premagnetized chokes for shifting the phase of said impulsing devices, a current transformer responsive to the total load on said converters, current transformers responsive to the individual converter loads, an auxiliary transformer for each of said converters, each of said auxiliary transformers having two primary windings, one of said primary windings being energized by the potential of the current transformer responsive to the total load on said converters, the other of said primary windings being energized by the potential of the current transformer responsive to the individual converter load, means for rectifying the output potential of the auxiliary transformer and means for impressing the rectified potential of the auxiliary transformer on the associated direct current premagnetized chokes.

2,235,389
CIRCUIT INTERRUPTER APPARATUS
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1939, Serial No. 295,098
8 Claims. (Cl. 200—150)



1. A circuit interrupter comprising a liquid medium, cooperative contacts to be engaged and disengaged and having engaging surfaces permitting the point-to-point movement of an arc ignited between them immersed in said medium, means for restricting the arc to the region of said contacts but permitting the free circulation of said liquid, and means for moving an arc, after it has been ignited, over said engaging surfaces at a speed such that the force arising from the resultant motion of the medium in a direction transverse to the arc ejects the bubbles left by the arc as it moves from the vicinity of said contacts and said restricting means.

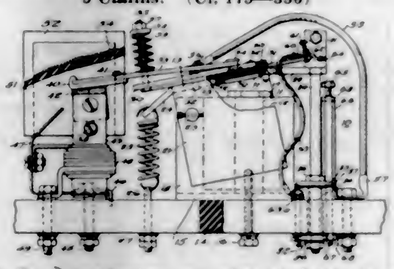
2,235,390
MULTIPLE MOVING COIL INSTRUMENT
Uel L. Smith, Morris Plains, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1939, Serial No. 301,398
5 Claims. (Cl. 171—95)



1. In an electrical measuring instrument, a field magnet structure including spaced cooper-

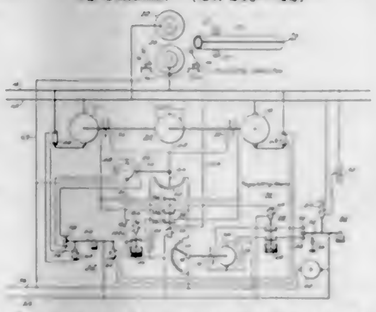
ating pole portions defining an air gap, a plurality of movable coil members disposed in said air gap, and indicating means independently controlled by each of said coil members.

2,235,391
ELECTRIC RELAY
Harold W. Williams, Jersey City, and Donald H. Baum, Ridgewood, N. J., assignors to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application January 12, 1939, Serial No. 250,560
5 Claims. (Cl. 175—336)



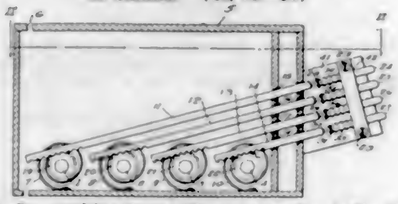
1. In a contactor or relay, a base, a core mounted on the base, means for energizing the core, an armature pivotally supported on the base with one end in position to be attracted to the armature when it is energized, an auxiliary pole piece movably mounted in the core engaging face of the armature to strike the core ahead of the armature when it is attracted to the core, to lessen the striking blow of the armature, and a friction device connected between the core-engaging end of the armature and the base to prevent bouncing of the armature when it strikes the core.

2,235,392
WELDING SYSTEM
Ralph H. Wright, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1939, Serial No. 263,751
13 Claims. (Cl. 219—12)



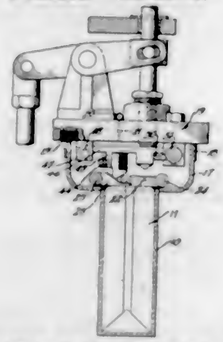
1. A power system comprising, a plurality of generators of relatively low terminal voltage connected in parallel circuit relation for supplying current to a work circuit, means for automatically controlling the excitation of each generator to maintain a predetermined division of the load current among the generators, and additional means for controlling the excitation of the generators independently of the aforesaid means to maintain a predetermined flow of load current.

2,235,393
CRANKSHAFT BALANCING
John G. Baker, Evansville, Wis., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 25, 1939, Serial No. 258,511
11 Claims. (Cl. 73—53)



1. In combination with a meter for indicating dynamic unbalance of a rotor, means for indicating the amount of unbalance at a particular part of the rotor comprising a member which is movable in proportion to the amount of the unbalance at said particular part and a gauge means which is actuated by said movable member and which is adapted to be patterned in accordance with said movable member and said unbalance, said gauge means being readily separable from said machine.

2,235,394
MEANS FOR VACUUM SEALING PACKAGES
Samuel H. Berch, Beverly Hills, Calif.
Application July 11, 1939, Serial No. 283,794
6 Claims. (Cl. 93—6)

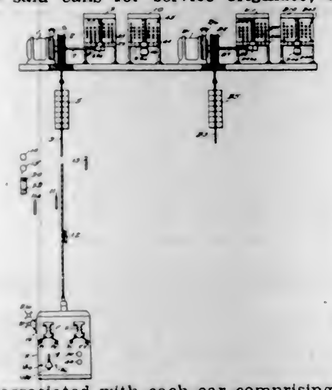


1. In a package sealing machine, a mold into which a flexible filled package is placed, the mouth of the package being sealed by forming a straight seam entirely across the top of the package with the inner abutting faces sealed together, a pair of folding fingers carried by the mold at opposite sides of the package, means for folding said fingers down against the side walls of the package whereby the side walls of the package will be folded together along substantially the median line of the package and whereby the side walls will be held in their folded position, and sealing means acting along said abutting seam to cause the abutting faces to cohere.

2,235,395
QUOTA CONTROL SYSTEM
Edgar M. Bouton, Nutley, Danilo Santini, Tenafly, and Harold W. Williams, Jersey City, N. J., assignors to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application November 29, 1939, Serial No. 306,706
12 Claims. (Cl. 187—29)

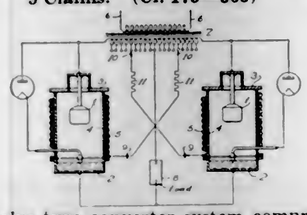
1. In a control system for operating a plurality

of elevators past a plurality of floors; means common to all the cars for registering calls for service at said floors; means associated with each car responsive to said first mentioned means for causing the associated car to stop at the floors where said calls for service originate; mecha-



nism associated with each car comprising a stationary element and a moving element, said moving element moving independently of the movements of the associated car; and means responsive to said mechanism of any car for appropriating calls for service for response exclusively by the associated car.

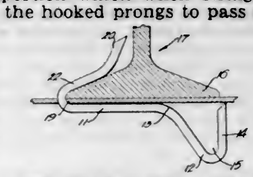
2,235,396
VAPOR ELECTRIC DEVICE
Wilson M. Brubaker, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1940, Serial No. 319,277
5 Claims. (Cl. 175—363)



2. A valve type converter system comprising a source of alternating current, a consuming circuit, a valve including an anode and a cathode for controlling the flow of current to said consuming circuit, a metallic condensing surface in said valve, said condensing surface being insulated from said anode and said cathode, transformer means responsive to current flow through said valve for applying to said condensing surface a potential negative with respect to the cathode, and means for controlling the time interval of the application of said potential.

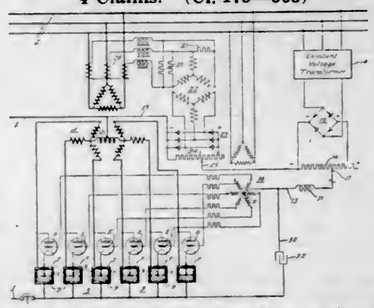
2,235,397
CLIP FOR METAL LATH AND THE LIKE
Carl L. Church, Glendale, Calif.
Application December 23, 1939, Serial No. 310,741
5 Claims. (Cl. 72—118)

1. A metal lath slip or the like comprising a one-piece clip element having a body portion, hooking prongs at the opposite ends thereof, there being a bend at a point in the length of the body portion which when straightened out will cause the hooked prongs to pass around the



edges of a structural member and to permanently grip the same.

2,235,398
VOLTAGE CONTROL SYSTEM
Joseph H. Cox and Lee A. Kilgore, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1938, Serial No. 201,973
4 Claims. (Cl. 175—363)

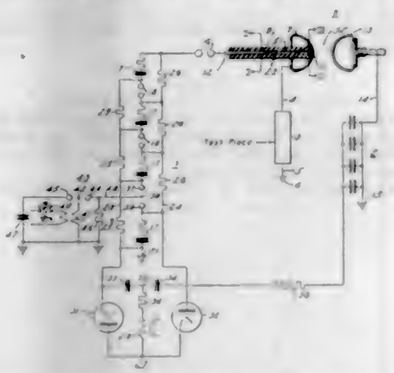


4. An electric current conversion system having a predetermined regulation characteristic comprising an alternating-current circuit, a direct-current circuit, a multi-valve converter interconnecting said circuits, transformer means for distributing current to said converter, control electrodes associated with the valves of said converter, a control transformer for distributing control potential to said control electrodes, a connection for impressing the negative direct-current load potential on said control transformer, a source of constant potential alternating current, means for rectifying said constant alternating potential for producing a constant direct-current potential, means impressing said constant potential in opposition to said load potential so that the terminal potential of the converter is maintained substantially constant regardless of fluctuation of alternating-current circuit potential, a current transformer associated with the alternating-current circuit, resistors connected across said current transformer, a transformer energized by the potential appearing across said resistors, means for rectifying the output of said transformer, and means for impressing the output potential of said rectifying means on said control transformer in series with said load potential and said constant direct-current potential to compensate the regulation drop imposed on said converter by the load current.

2,235,399
LIGHTNING STROKE GENERATOR
Carl W. Diehl, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1939, Serial No. 308,991
5 Claims. (Cl. 171—97)

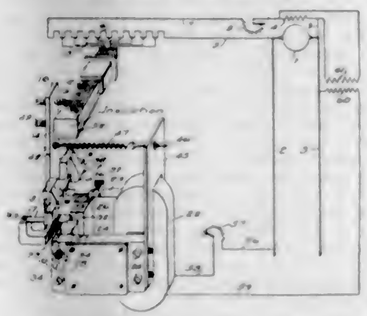
1. A combined lightning-stroke current and

voltage generator including a plurality of capacitors connected to discharge in series, an impulse current generator comprising a plurality of capacitors connected to discharge in parallel, terminal connections for a test piece, means for controlling the connection of said terminal connections to said impulse voltage generator and to said impulse current generator including three electrodes spaced to form two air gaps, means for



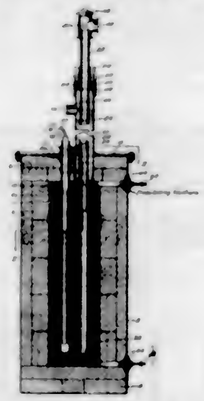
connecting one of said electrodes to one of said terminal connections, means for connecting another of said electrodes to said impulse voltage generator, means for connecting the other of said electrodes to the impulse current generator, and means for establishing a current conducting arc between the second named of the three electrodes and each of the other two electrodes substantially simultaneously.

2,235,400
REGULATOR
Ralph A. Geiselman, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 16, 1938, Serial No. 219,527
8 Claims. (Cl. 200—96)



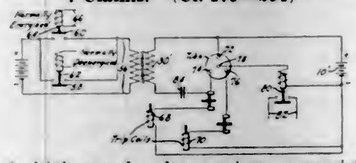
1. In a regulator, a plurality of flexible members having portions clamped in fixed relation and insulated from one another, the corresponding outer ends of said flexible members being free to move, a movement limiting stop against which the free ends of said flexible members are biased for positioning them in spaced relation, means controlled by the regulated quantity for actuating said flexible members from engagement with said stop and into circuit closing engagement with adjacent members, said means including a core structure forming a substantially closed magnetic circuit having adjacent ends thereof spaced apart, an armature for moving said flexible members mounted in said space to move about an axis exterior of said space to provide a substantially constant double working air gap between the opposite sides of the armature and the ends of the core, and a winding for magnetizing said core structure energized in accordance with regulated quantity, said armature being so formed that as it moves in said substantially constant double working air gap the area between the pole faces changes in a non-linear relation to the amount of movement so that the forces caused by the flexible members in any position of the armature are counter-balanced by the magnetic pull.

2,235,401
GAS GENERATOR FOR HEAT TREATING ATMOSPHERES
John R. Gier, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1939, Serial No. 270,873
9 Claims. (Cl. 23—288)



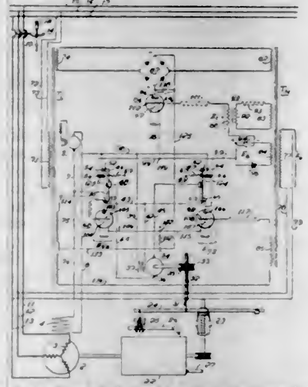
1. A structure of the class described in which hydrocarbon gases are to be reacted with an oxygen-containing gas in the presence of a catalyst, having a container with an elongated reaction chamber, comprising heat-resistant and insulating walls with a gas-impervious shell on their outside, a divided catalyst substantially filling said chamber, gas inlet and outlet means comprising a pipe passing through a wall of said container at one end thereof, and terminating at one end of said chamber, a second pipe passing through the first said end of said container, and terminating in said chamber at one end thereof opposite its first said end, one of said pipes being a gas inlet pipe and the other a gas outlet pipe, said outlet pipe having an extension beyond said container, and cooling means for said extension for cooling the outflowing gases passing through the last said pipe, the surfaces of said extension in contact with said gases being non-catalytic with respect to carbon-containing gases, such as carbon monoxide, during an extent of the said pipe sufficient to cool said gases to a state where they would be inactive even in the presence of a catalyst, such as iron.

2,235,402
HIGH-SPEED RELAY SYSTEM
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 21, 1938, Serial No. 203,299
7 Claims. (Cl. 175—294)



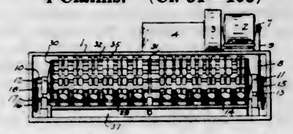
1. A high-speed relay system comprising a step-up transformer having a primary and a secondary, a direct-current control circuit connected to said primary, a discharge tube having high conducting capacity, two control electrodes and a plurality of other electrodes, an operating circuit including a direct-current source connected to said tube, means connecting said control electrodes to said secondary and including a condenser, parallel paths in said operating circuit, and including said plurality of electrodes and also one of said control electrodes, electrically operable devices in each of said parallel paths, and a potentializing conductive circuit including a direct-current potential means, for said tube connected across said control electrodes.

2,235,403
SPEED REGULATOR
Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 25, 1939, Serial No. 286,313
7 Claims. (Cl. 171—119)



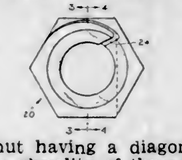
1. In a speed-matching system, in combination, a dynamo-electric machine, a speed-reference source of alternating current, an alternating current source that is a measure of the speed of the dynamo-electric machine, speed-control means for governing the speed of the dynamo-electric machine, an electric motor for adjusting the setting of the speed-control means, means for controlling the operation of the motor in the one or the other direction comprising a pair of grid controlled tubes and separate motor direction determining circuits controlled thereby, a grid controlled tube common to the two circuits, means for controlling the grid potential of the last named tube in response to the phase voltage of one of said alternating current sources, means for controlling the grid potential of one of the tubes of said pair in response to the phase voltage of the other of said alternating current sources, and means for controlling the grid potential of the other one of said pair of tubes in response to the beat voltage of the two alternating current sources.

2,235,404
EGG CLEANING MACHINE
Jens P. J. Manggaard, Tenino, Wash.
Application August 7, 1939, Serial No. 288,813
4 Claims. (Cl. 51—103)



1. In an egg cleaning machine, the combination of two parallel rotating shafts adapted to support and turn an egg; of a fixed vertical post positioned between said shafts and adapted to hold an egg from axial motion therealong in one direction; a second vertical post positioned between said shafts and adapted to hold the egg in inclined position from axial motion in the other direction; means adapted to adjust the position of the second post to provide for eggs of various sizes between said posts, said adjusting means comprising a rotary eccentric mounting for said second post, with a handle extending therefrom, whereby the mounting may be turned to adjust the position of the post; a rotating squirrel cage adjacent to and parallel to said shafts; and loose abrasive wiping loops mounted on the rods of said squirrel cage and adapted to engage and wipe said egg as it is turned.

2,235,405
GRIP NUT
Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Application December 17, 1938, Serial No. 246,374
3 Claims. (Cl. 151—21)



1. A grip nut having a diagonally extending slot crossing a plurality of threads and traversing approximately two thirds of the nut so as to form a curved cantilever beam which in expanded form has a longitudinal section of uniformly increasing depth, said slot being made in one cut by disposing the cutter angularly in relation to the nut, the radius of the threaded area at the base of the cantilever beam being that of the basic nut, said beam being deflected inwardly so that the radius of the threaded area at the tip of the cantilever beam is less than that of the basic nut so as to exert radial pressure, the beam being distorted axially by depressing it at its tip portion so as to exert axial pressure.

2,235,406
SPECTACLE MOUNTING
Michael R. McDanal, Denver, Colo.
Application April 13, 1939, Serial No. 267,581
4 Claims. (Cl. 88—47)

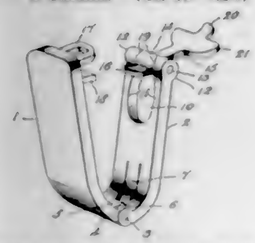
1. In a spectacle having a pair of rimless lenses

with a bridge member connecting said lenses and ear bows extending rearwardly from said lenses, means for attaching said ear bows to said lenses comprising: a mounting; a front arm and a rear arm projecting from said mounting; holes in said arms; an edge engaging surface on said mounting engaging the edge of the lens, the



distance between the engaging surface and the hole in the rear arm being less than the corresponding distance in the front arm, the edge of said lens being beveled to accommodate the differing distances in the arms; and means extending through both of said holes and through said lens for attaching said arms thereto.

2,235,407
CLASP
Albert J. Pujol, Astoria, Long Island, N. Y., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application May 21, 1940, Serial No. 336,322
2 Claims. (Cl. 24—250)



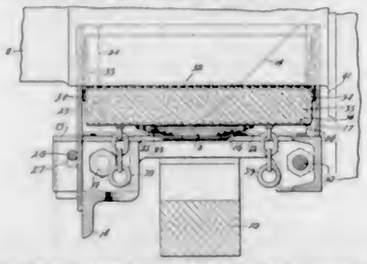
2. A clasp comprising a pair of jaws, one end of one of which is hinged to the corresponding end of the other, one of said jaws being provided adjacent its free end with a keeper, and the corresponding end of the other jaw being bifurcated to provide spaced apart spring arms, a pivot pin extending across the space between said spring arms, a locking member occupying said space and mounted for pivotal movement on said pivot pin, the contiguous faces of the locking member and the spring arms having opposed complementary interfitting annularly arranged undulations, and the locking member being shaped to engage with said keeper through pivotal movement of the locking member when the jaws are in closed positions.

2,235,408
TRACTION CHAIN
John R. Reyburn, Fairfield, Conn., assignor to American Chain & Cable Company, Inc., a corporation of New York
Application October 4, 1938, Serial No. 233,213
9 Claims. (Cl. 152—243)



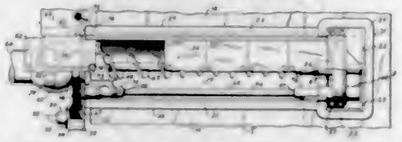
2. A chain link for tire chains consisting of a closed loop having when viewed in plan the projected outline of a circle and when viewed from the sides and ends the projected outlines of parts of circles no greater than a semi-circle.

2,235,409
LOCOMOTIVE DRIVING BOX LUBRICATOR EQUIPMENT
Montague H. Roberts, Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y., a corporation of Delaware
Application December 29, 1938, Serial No. 248,214
5 Claims. (Cl. 308—83)



1. In lubricator equipment for the driving box of a locomotive driving axle, a spreader having an upstanding end wall, a bracing gusset plate at each end of said upstanding wall, a closure plate carried by the spreader and having a flange at each side extending toward the opposed gusset plate, and a symmetrical, open-ended cellar fitting between the gusset plates and the flanges of the closure plate.

2,235,410
LOCOMOTIVE TENDER
Frank P. Roesch, Chicago, Ill., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application April 6, 1939, Serial No. 266,319
6 Claims. (Cl. 105—234)

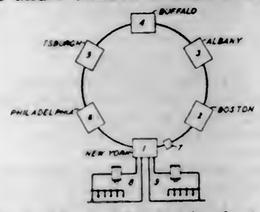


4. In a tender having a fuel bin, a stoker trough arranged to receive fuel from said bin, said trough being generally V-shaped in cross section, a screw conveyor in the lower restricted portion of said trough, drive mechanism at the rear of said trough operatively connected with said screw conveyor, and a drive shaft within and at one side of said trough above the plane of the upper peripheral edge of said screw conveyor extending forwardly from said drive mechanism through the forward end of said trough.

2,235,411
REGENERATIVE REPEATER
Edward F. Watson, Larchmont, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 25, 1939, Serial No. 258,484
11 Claims. (Cl. 178—70)

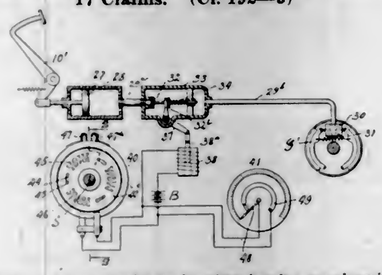
1. A regenerative repeater, comprising means for receiving, distributing, storing and transmitting permutation code signals, said storing means comprising a relay for each signal of the permutation code, a starting magnet for said transmitting means, means controlled by said distributing means for energizing said starting magnet, a relay responsive to said last means and interacting with said starting magnet to lock the

circuit of said starting magnet open thereafter, and means under control of each of said storing



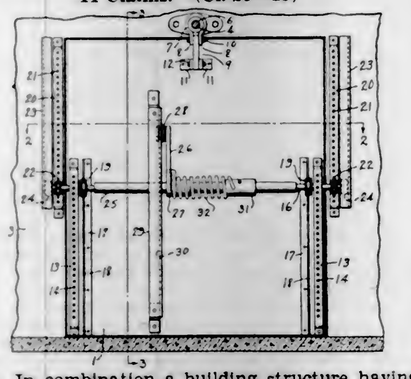
relays for unlocking said relay to close the circuit of said starting magnet.

2,235,412
MEANS FOR CONTROLLING THE BRAKES OF A MOTOR VEHICLE
Abraham Weiss and Joseph Weiss, New York, N. Y.; said Abraham Weiss assignor to Joseph Weiss
Application July 18, 1939, Serial No. 285,046
17 Claims. (Cl. 192—3)



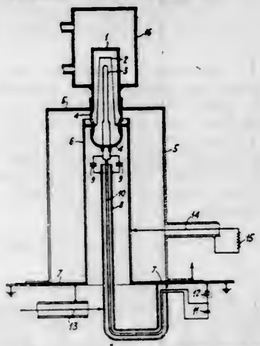
1. In a motor vehicle having brake mechanism, means for actuating said mechanism, including means controlled by the motion of the vehicle and adapted to automatically apply and lock the same in braking position when the vehicle comes to a full stop, and means adapted to automatically unlock and release said brakes when a driving part of the vehicle is set into motion.

2,235,413
DOOR
Bascom B. Westmoreland, Houston, Tex.
Application March 30, 1939, Serial No. 264,941
11 Claims. (Cl. 20—19)



1. In combination a building structure having an opening provided with side facings, a door for closing the opening, rack members on the facings, rack members on the door, a floating shaft on the door geared to said rack members, guide means for guiding the door horizontally inwardly upon upward movement thereof, tension means arranged to be placed under tension by the shaft as the door is moved downward to closed position and to be relieved from said tension as the door is moved upwardly to open, horizontal position.

2,235,414
THERMIONIC VALVE CIRCUITS
Eric Lawrence Casling White, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application June 28, 1939, Serial No. 281,633
In Great Britain June 30, 1938
4 Claims. (Cl. 179—171)



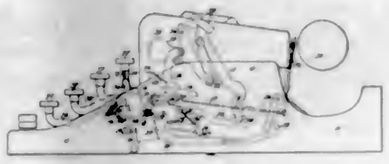
1. An ultra-short wave amplifier system comprising an electron discharge tube having an anode which constitutes a portion of the tube envelope, a cathode and a grid; two resonant circuits constituted by a plurality of concentric tubular conductors and comprising an outer conductor connected to said anode, an intermediate conductor connected to said grid, and an inner conductor coupled to said cathode; a capacitor constituted by metallic flanges connected respectively to the outer and intermediate tubular conductors and having an insulation separator interposed therebetween; means including a potential source connected to said cathode for heating the same and also connected to said anode for attracting electrons thereto; means for applying input potentials in circuit between the cathode and grid; and a load in circuit between the outer and intermediate tubular conductors; said intermediate tubular conductor constituting shielding means between the two said resonant circuits.

2,235,415
PRODUCTION OF LIGHT METAL FORGINGS
Hubert Altwicker, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application May 27, 1938, Serial No. 210,435. In Germany June 7, 1937
5 Claims. (Cl. 148—11.5)

1. A process for the production of forgings from precipitation hardenable high percentage magnesium base alloys, which comprises forging the substantially homogeneous alloys at temperatures within the solid solution range, thereafter immediately quenching the workpieces, and finally annealing them under conditions ensuring

the formation of a hardening precipitate while not being adapted to cause recrystallisation of the crystal structure of the workpieces.

2,235,416
TYPEWRITING AND LIKE MACHINES
Herbert E. Bridgwater, Syracuse, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application September 15, 1938, Serial No 230,117
7 Claims. (Cl. 197—33)



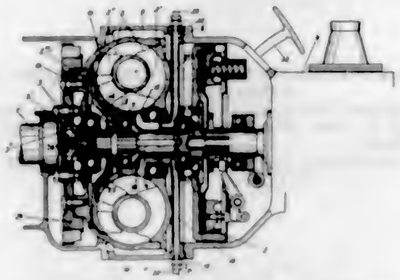
6. In a typewriting machine, the combination of a plurality of type actions, a universal bar operated by each of said type actions, a spring for returning said universal bar to normal position, a movable anchor to which one end of said spring is connected, an adjusting member mounted for sliding movement, and cam operating means for moving said anchor by movement of said adjusting member.

2,235,417
CRANKSHAFT GRINDER
August J. Brazil, Wichita, Kans., assignor of one-twentieth to Ernest L. Cooper, Harper, Kans., and one-tenth to Elmer L. Berner, Heston, Kans.
Application August 19, 1939, Serial No. 291,034
4 Claims. (Cl. 51—241)



1. A crankshaft grinding device comprising: a frame member; a shaft tube threaded through said frame member; a grinding shaft carried by said shaft tube; a grinding wheel at one extremity of said shaft; gauge blocks secured to said frame member at each side of said grinding wheel in offset relation to the axis thereof, said gauge blocks being transversely adjustable relative to the axis of said shaft; hanger means for supporting said frame member from a crankshaft bearing; adjustable members connecting said hanger means with said gauge blocks so that when the latter are transversely adjusted on said frame member said hanger means will be similarly and automatically adjusted.

2,235,418
POWER TRANSMISSION
Josef Buchhart, Stuttgart-Zuffenhausen, Germany, assignor to Dr. Ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application December 8, 1939, Serial No. 308,281
In Germany November 11, 1938
8 Claims. (Cl. 192—3.2)



1. In combination, a source of power including a drive shaft, a driven shaft, a fluid transmission including an impeller element connected to said drive shaft and a cooperating turbine element connected to said driven shaft, a clutch having cooperating elements respectively connected to said turbine and impeller elements, and a pressure-operated piston mounted substantially coaxially with said fluid transmission for actuating said clutch.

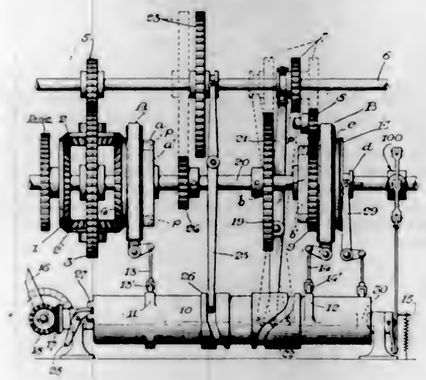
2,235,419
FRACTURE NAIL AND DIRECTOR
James J. Callahan, Oak Park, and Carlo Scuderi, Chicago, Ill.
Application March 18, 1938, Serial No. 196,582
1 Claim. (Cl. 128—83)



A fracture nail director comprising a pronged directing bar having a prong at one end thereof adapted to be inserted in the anterior lip of the acetabulum, a pronged directing block guided by said bar, said block having a prong at one end adapted to be inserted in the trochanter of the femur, the prong on the bar being directed lengthwise of the bar, and the prong on the block being directed parallel to the bar, and means for fixing the block on the bar, the direct-

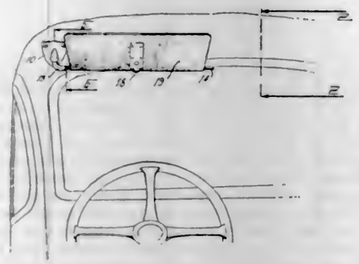
ing block having a guiding passage through which a tool such as a starting chisel or a fracture nail may be driven, said guiding passage being provided with walls directed angularly with respect to each other to receive and guide a fracture nail which is angular in cross section and an anchoring fracture nail angular in cross section adapted to be driven through said passage.

2,235,420
MECHANICAL MOVEMENT
Anthony Cory, New York, N. Y.
Application October 19, 1939, Serial No. 300,107
22 Claims. (Cl. 74—328)



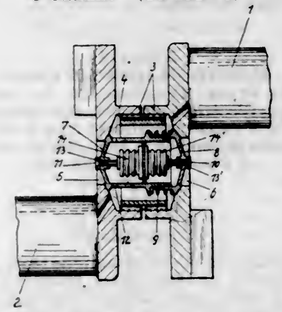
1. Power transmission mechanism comprising driving means including a differential coupling unit, a driven means, and connecting means therebetween for interchangeably driving the driven means at different speeds and including means shiftably connecting said driving and driven means for effecting an overdrive, thereby to increase the speed of the driven means over the highest speed obtainable through said differential unit and its connecting means.

2,235,421
SUN AND GLARE SHIELD FOR AUTOMOBILES
Frank A. Devine, Denver, Colo.
Application January 23, 1940, Serial No. 315,139
1 Claim. (Cl. 296—97)



A glare shield for automobiles comprising: a mounting bracket; a slide rod rotatively mounted in said mounting bracket to swing in a horizontal plane; a slide member mounted on said slide rod so that it may be moved therealong or moved thereabout; means for maintaining said slide member in any desired set position; an elongated ear projecting from said slide member and provided with a longitudinally extending slotted opening; a shield member; pivot means extending from said shield member through said slotted opening; means for clamping said pivot means in any desired position in the slotted opening; and wear plates secured to said shield member opposite said ear member.

2,235,422
LUBRICATING DEVICE FOR AIRCRAFT ENGINES
Martin Duckstein, Obermenzing, Munich, Germany, assignor to Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany, a company of Germany
Application June 14, 1939, Serial No. 278,999
In Germany June 16, 1938
6 Claims. (Cl. 184—6)



1. In a double-bank radial engine, in which each bank has a crank shaft co-axially mounted relatively to the crank shaft of the other bank, hollow juxtaposed shaft extensions forming a central bearing pin, and means for supplying lubricating oil to the interior of said pin, the combination of nozzles for spraying oil from both ends of said pin into the driving mechanism of each engine, and means responsive to the temperature of said oil for regulating said nozzles.

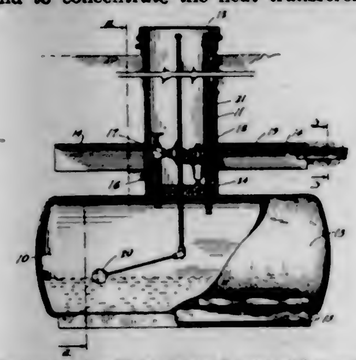
2,235,423
PROCESS FOR SEPARATING TIN FROM LEAD
Robert B. Erickson, Philadelphia, Pa.
No Drawing. Application October 23, 1939, Serial No. 300,801
3 Claims. (Cl. 75—78)

1. A process for separating tin from lead comprising subjecting a batch of lead and tin to an oxidizing agent throughout the mass thereof in the presence of lead chloride and at a temperature sufficient to melt the lead chloride but not above about 1200° F., the quantity of lead chloride being from a trace to about 10% of the weight of the tin in the batch, and removing the resultant powdery oxide mass from the surface of the batch.

2,235,424
LIQUEFIED GAS TANK
Raymond B. Fannin, Denver, Colo.
Application April 15, 1939, Serial No. 268,043
2 Claims. (Cl. 62—1)

1. A liquefied gas plant comprising: a closed tank buried in the ground; fins secured to and

projecting from the bottom of said tank into the ground to concentrate the heat transference at



the bottom of said tank; and means for conducting gas from said tank.

2,235,425
ELECTROMAGNETIC CORE
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1938, Serial No. 244,729
6 Claims. (Cl. 175—21)



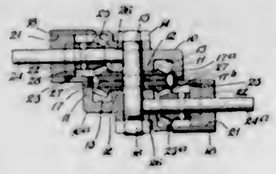
6. A laminated electromagnetic core comprising a plurality of laminae of magnetic material piled in a stack, each lamina consisting of a C-shaped piece and an H-shaped piece and a C-shaped piece in that sequence, one C-shaped piece having short arms and the other C-shaped piece having long arms and the H-shaped piece having short arms on one side of its crossbar and long arms on the other side, and the ends of the short arms of the one C-shaped piece being abutted against the ends of the long arms of the H-shaped piece and the ends of the long arms of the other C-shaped piece being abutted against the ends of the short arms of the H-shaped piece.

2,235,426
SENSITIZED PHOTOGRAPHIC ELEMENT AND PROCESS OF MAKING THE SAME
Mae Goodman, New York, N. Y.
No Drawing. Application October 14, 1937, Serial No. 168,902
7 Claims. (Cl. 95—7)

1. A method of making a light sensitive complex for photographic purposes, incorporating a silver halide crystal having adsorbed and occluded thereon a color forming development component through chemical and physical interaction, which consists in reacting in solution a pre-formed silver salt of a color forming development component with a soluble halide.

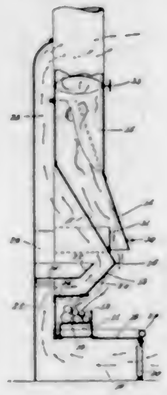
2,235,427
UNIVERSAL DRIVE
Clifford B. Harris, Weehawken, N. J., assignor to Condenser Service & Engineering Co., Inc., Hoboken, N. J., a corporation of New Jersey
Application June 19, 1940, Serial No. 341,226
6 Claims. (Cl. 74—385)

1. A universal drive of the class described comprising two cup-shaped casing parts of substantially similar construction, a radially extending bearing on each casing part, other bearings centrally of said parts, a shaft mounted in both bearings of each part, a beveled pinion on said shaft within the casing part, means coupling the casing parts together to form a large chamber centrally thereof into which the beveled pinions of each shaft extends, a dual beveled gear arranged



in said chamber and operatively engaging said pinions in providing positive driving connection between said shafts, and means adjustably coupling said casing parts with respect to the axis of said dual beveled gear in providing different angular relationships of the shafts one with respect to the other while maintaining drive connection between said shafts through said dual beveled gear.

2,235,428
FIREPLACE
David Homer Hayden, New Fairfield, Conn.
Application July 28, 1938, Serial No. 221,670
6 Claims. (Cl. 126—121)



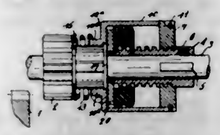
1. An open fireplace including a grate, a generally inverted conical guide spaced from and above said grate by an amount substantially greater than the depth of fuel on the grate, shaped to spread the hot gases laterally and forwardly to insure intimate contact between the air and the hot gases rising from a fire on said grate, a hood above and spaced from said guide on the sides and front, a passageway below said grate and in back of said guide extending above the guide, the guide being of metal and forming at least a portion of one wall of said passageway, said passageway discharging heated air into a room above the lower portion of said hood, the natural circulation of air through said passageway being sufficient to circulate the air of a room at a distance from said fireplace downwardly.

2,235,429
ELECTRICAL CONNECTION FOR HERMETICALLY SEALED UNITS
Ralph L. Henry, Detroit, Mich., and Homer J. Loftis, Ironton, Ohio, assignors to Henrite Products Corporation, Ironton, Ohio, a corporation of Ohio
Application June 28, 1939, Serial No. 281,536
2 Claims. (Cl. 174—153)



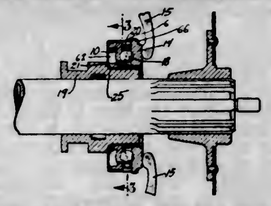
1. In combination, a housing having an electrical device sealed within the same, said housing having a tubular boss providing an opening through the housing wall, the juncture of said boss with the housing wall being formed to provide a rounded seating shoulder, a hermetically sealed connection comprising a conductive stud extending through said opening to the respective end portions of which electrical conductors to serve said electrical device are attachable, an electrically conductive backing washer affixed to one end portion of said stud, a resilient electrically non-conductive sealing body bonded to said stud and washer, said sealing body comprising an annular plug portion around said stud to enter the boss opening and an integral facing portion contiguous to the inner face of said backing washer terminating in an annular peripheral bead in which the marginal portion of said backing washer is imbedded, an insulating member carried by the opposite end portion of said stud to abut the free end of said boss, and means operative upon said opposite end portion of said stud manipulatable to move said stud axially whereby said sealing body is drawn into conforming and tightly compressed sealing relation to the housing wall and said seating shoulder with its plug portion compressively entered in said opening.

2,235,430
STARTING PINION
Stephen Jencick, Chagrin Falls, Ohio
Application July 20, 1938, Serial No. 220,249
4 Claims. (Cl. 74—7)



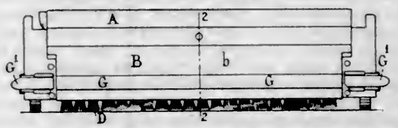
1. An engine starter device, comprising a starting pinion adapted to be moved axially into mesh with the gear of an engine to be started, a starting motor having a rotary shaft, a casing surrounding said shaft and having operative connection with said pinion, resilient means arranged between the outer end of the casing and the adjacent side of said pinion, means of operative connection between said shaft and casing for effecting axial movement of the pinion, and rubber cushion means arranged only partially along the shaft and within said casing and having fixed abutment upon the shaft near the end of the path of forward movement of said casing for co-operation with the said means of operative connection between said shaft and casing during only the final period of forward operation, said casing being otherwise free upon the inside thereof.

2,235,431
THRUST BALL BEARING
Morris Katcher, New York, N. Y.
Application June 6, 1940, Serial No. 339,043
12 Claims. (Cl. 308—233)



1. A thrust ball bearing comprising an annular inner shell having an axially extending inner wall, and a substantially radially extending rear wall, an annular outer shell having a substantially axially extending wall, a fixed race ring at the rear of the inner shell having a tight fit with said inner and rear walls, said ring being formed to leave a space between its rear face and the forward face of said rear wall for providing a lubricant reservoir, a free race ring loosely mounted near the forward portion of the inner shell, and balls extending between the race rings holding them in spaced relation, the fixed race ring being provided with at least one passage leading from the reservoir to the space between the race rings, said outer shell being fixed substantially at its forward end to the free race ring and extending rearwardly across the space between the race rings, and said inner shell extending from the fixed race ring forwardly across the space between the rings.

2,235,432
CARPET SWEEPER
Richard Walton Kenyon, Accrington, England, assignor to Entwisle & Kenyon Limited, Accrington, England
Application January 11, 1938, Serial No. 184,410
In Great Britain October 28, 1937
1 Claim. (Cl. 15—41)



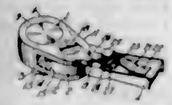
In a carpet sweeper of the type having a casing, four supporting wheels, a central brush and two dust receptacles one at each side of the central brush, a dust receptacle adapted to be entirely removable from the casing in a horizontal or substantially horizontal direction through an aperture in the side wall thereof comprising in combination a base supported by the bottom of the casing, a front wall which when the receptacle is in position in the casing closes the aperture therein, a curved rear wall adjacent to the brush provided with a deep recess open at the rear and extending from end to end of the receptacle to receive an axle connecting a pair of the supporting wheels at opposite ends of the casing when the receptacle is in position in the latter and so allow the rear wall to be brought into close proximity to the brush and spring means for retaining the receptacle in position in the casing.

2,235,433
BLOWPIPE
Robert J. Kehl, Manhasset, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application May 3, 1939, Serial No. 271,447
9 Claims. (Cl. 158—27.4)



1. An oxy-acetylene blowpipe comprising substantially simultaneously-closing valves for abruptly shutting off the flow of oxygen and acetylene; a mixer; a blowpipe tip; a stem extending from said mixer for conveying combustible mixture from said mixer to said tip; and conduits communicating with the atmosphere only through said tip and connecting said respective valves with said mixer, one of said conduits having a relatively large gas capacity to maintain a pressure therein long enough to evacuate a substantial portion of residual combustible mixture from said stem after said valves are closed.

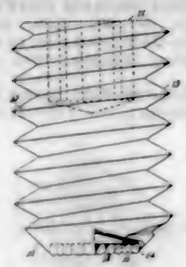
2,235,434
WRENCH
Marshall N. Kincaid, West Hartford, Conn., assignor to The Billings & Spencer Company, a corporation of Connecticut
Application December 17, 1938, Serial No. 246,525
6 Claims. (Cl. 81—58)



1. In a wrench, a body member, cooperating camming members mounted thereon and having means operative upon reversely swinging one cooperating member to grip and release the other member, and means for positioning said body and swingable camming member in different angular relations to reverse the direction of said gripping and releasing movements including a longitudinally extending prong on said body member and adjustable detent means on said swinging member comprising a cooperating resilient finger fixed against lateral swinging movement relative to said member and swingable therewith into positions wherein opposite sides of said finger are selectively engageable with opposite sides of said prong in different angular relations, said swinging camming member having a handle and said finger comprising a plate spring carried thereon and disposed longitudinally thereof and movable downwardly toward said handle out of the lateral planes including said prong during movement of said swingable camming member and body member into different angular positions.

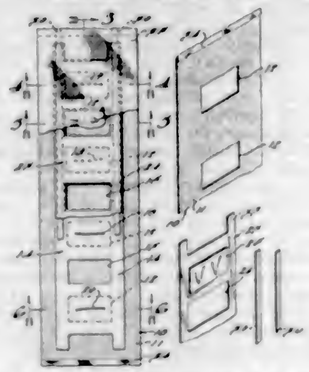
2,235,435
SELF-LOCKING SETSCREW
Herman Koester, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application June 8, 1939, Serial No. 278,022
5 Claims. (Cl. 151—32)

1. A setscrew for axial clamping engagement with a surface of yielding material, one end of said screw having circularly disposed teeth adapted for such engagement and having edges substantially parallel to the axis of the screw with



the leading face of a tooth oblique to the radius of the screw.

2,235,436
MEDICAL APPLIANCE
Stanley V. Laub, Detroit, Mich.
Application November 3, 1939, Serial No. 302,637
8 Claims. (Cl. 128—2)



6. A medical appliance comprising a thin layer of material substantially impervious to air and water, a second layer of material forming a cover for the first layer, a medicinal preparation between the two layers and attached to the first layer, and adhesive means on the first lever for fastening it to the skin after the second layer is removed so that the preparation will be held against the skin surface.

2,235,437
METHOD FOR MANUFACTURING POLE CLIMBERS
Arthur J. Lawson, Merritton, Ontario, Canada, assignor to Hayes Steel Products Limited, Merritton, Ontario, Canada, a corporation of Canada
Original application February 2, 1939, Serial No. 254,270. Divided and this application October 30, 1939, Serial No. 301,976
1 Claim. (Cl. 29—148)

In a method of fabricating pole climbers, the steps which consist in initially forging a longitudinal protuberance on a surface of the bar from which the climber is made, subsequently slitting such protuberance longitudinally upward an appreciable extent at its junction with the surface of the bar, then lifting the slit portion of the protuberance away from the bar whereby

a spur is formed, and finally bending the lower portion of the bar into stirrup form whereby the



space betwen the free end of the spur and the bar is increased.

2,235,438
LUBRICATED PACKING
George P. Leistensnider, West Englewood, N. J., assignor to Metalastic Manufacturing Corporation, a corporation of New Jersey
Application November 27, 1936, Serial No. 113,043
1 Claim. (Cl. 106—7.6)



A packing containing kapok, calcium stearate, fibrous talc and rubber.

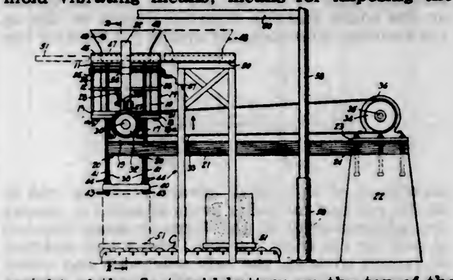
2,235,439
ASSIST CORD STRUCTURE
Harold S. Lion, Cincinnati, Ohio
Application January 16, 1939, Serial No. 251,149
16 Claims. (Cl. 105—354)



1. In an assist cord structure, supporting means and a depending loop shaped assist cord, a pair of arms pivoted together and to said supporting means substantially at the upper portion of said assist cord loop and adapted to occupy both a juxtaposed position within the assist cord loop and concealed thereby, and an elevated opposed position in which the said arms form a garment hanger.

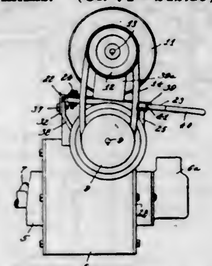
2,235,440
MOLDING APPARATUS
Carl Mackert, St. Anthony, Idaho
Application September 14, 1937, Serial No. 163,760
6 Claims. (Cl. 25—41)

1. Molding apparatus comprising a mold having a movable bottom; means mounting the mold for movement to occupy upright and inverted positions; means for vibrating the mold to compact a body of plastic material in the mold when upright; means defining a bottom for the mold when inverted, so as to enable the plastic body to be reversely compacted in the mold by said mold vibrating means; means for imposing the



weight of the first said bottom on the top of the body when the mold is inverted, so as to aid in said reverse compacting of the body; and means for actuating the first said bottom to strip the body from the mold when inverted.

2,235,441
BELT TAKE-UP
Floyd R. Nelson, Rockford, Ill., assignor to Cotta Transmission Corporation, Rockford, Ill., a corporation of Illinois
Application March 17, 1939, Serial No. 262,343
11 Claims. (Cl. 74—242.15)

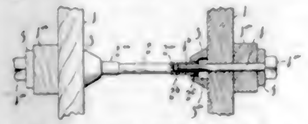


1. In a belt drive, the combination of a driven shaft carrying a drive pulley, a motor support extending crosswise relative to said driven shaft and hingedly mounted in spaced relation to one side of said shaft on an axis substantially parallel thereto, quick takeup means cooperating with said support on the opposite side relative to said shaft for supporting the same in operative or retracted position farther from or closer to said shaft, a motor mounted on said support having an armature shaft disposed substantially parallel with the driven shaft and carrying a drive pulley substantially in alignment with the first mentioned drive pulley, and a belt extending over said pulleys to be tensioned when the motor support is moved to operative position, whereby to transmit drive to the driven shaft, said quick take-up means comprising a stationary member and a manually operable member movable on the motor support transversely with respect to said member and carrying a cam having an inclined surface arranged slidably to engage said stationary member.

2,235,442
SUPPORT FOR CONCRETE FORMS
Frank D. Parmenter, Toronto, Ontario, Canada
Application March 11, 1938, Serial No. 195,231
1 Claim. (Cl. 25—131)

A support for concrete forms provided with side

walls, comprising a tie rod internally and externally threaded at at least one end; a frusto-conical extension collar provided with an internally threaded hub adapted to screw on the externally threaded part of the tie rod, the internal thread on the collar and the external thread on the tie rod forming interengaging means for limiting the



movement of the collar inwardly of the end of the tie rod and the collar being adapted to engage the adjacent wall of the form to space the end of said tie rod from the wall; and a bolt adapted to extend through the said side wall and collar and to screw into the internally threaded portion of the tie rod.

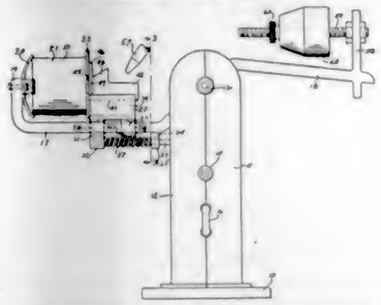
2,235,443

CASTING MACHINE

Edmund A. Steinbock and August L. Weyhing, Louisville, Ky.; said Weyhing assignor to said Steinbock

Application December 18, 1939, Serial No. 309,788

9 Claims. (Cl. 22—65.1)



1. In a casting machine, the combination of a refractory mold, a crucible, said crucible and mold respectively having a discharge opening and an intake opening in alignment with one another, said crucible being adapted to have a flame directed thereinto, and pivotally mounted means between the crucible and mold openings preventing communication therebetween during the time the flame is being directed into the crucible.

2,235,444

MILLING MACHINE

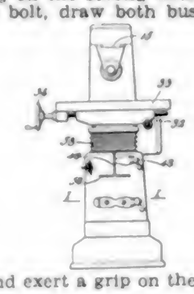
Reinhard Max Wohlfarth, Dresden, and Paul Alfred Mitter, Pirna-Copitz, Germany, assignors to Aktiengesellschaft vorm. Seidel & Naumann, Dresden, Germany

Application November 24, 1937, Serial No. 176,172

In Germany November 30, 1936

4 Claims. (Cl. 90—58)

1. A supporting device for the worktable of a milling machine, comprising an upstanding pillar guide, a pillar slidable therein, means for moving the pillar in said guide, means for supporting said pillar on the base of the machine, two bushes slidable in the pillar wall, one of said bushes being internally screwthreaded while the other has a smooth bore, a bolt screwed into the screwthreaded bush and projecting through the smooth bore of the other bush, and a handle bearing on the second bush and adapted to rotate the bolt, draw both bushes towards one



another and exert a grip on the periphery of the pillar.

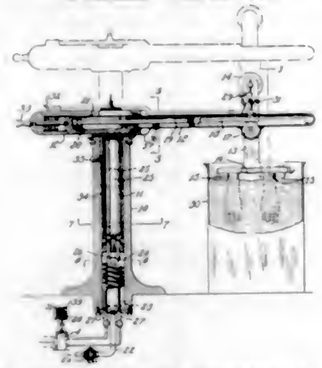
2,235,445

MANUFACTURE OF DIPPED GOODS

Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware

Application March 20, 1940, Serial No. 324,958

8 Claims. (Cl. 91—46)



4. A dipping machine comprising a pedestal, a hydraulic lift, a horizontal member mounted on the hydraulic lift, a form support rotatably mounted on the horizontal member, means for rotating the form support, and control means including a control element intermittently engaged by the form support for automatically reversing the direction of rotation at a predetermined point in the arc of rotation of the form support.

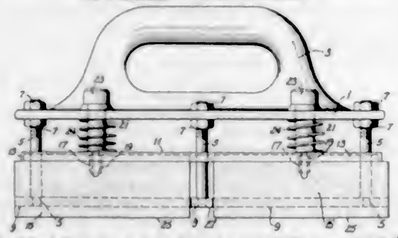
2,235,446

SURFACING MEANS

Milton H. Birger, Glen Carbon, and Calvin D. Johnson, Belleville, Ill.

Application July 10, 1939, Serial No. 283,560

10 Claims. (Cl. 72—136)



1. Finishing apparatus comprising a movable

support, spaced abrasive elements resiliently connected thereto, a non-abrasive trowel element rigidly connected to said support intermediate said spaced abrasive elements, whereby pressure applied to said support will force the trowel element into engagement with the surface upon which the abrasive elements move.

2,235,447

ESTER CONDENSATION PRODUCTS AND METHOD OF PRODUCING THE SAME

Theodore F. Bradley, Stamford, and William B. Johnston, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 24, 1938, Serial No. 215,584

11 Claims. (Cl. 260—75)

1. A process for the production of ester condensation products which comprises heating a mixture containing fumaric acid and a non-conjugated terpene of the $C_{10}H_{16}$ series to reaction temperatures in admixture with a reactive solubilizing alcoholic compound selected from the group consisting of alcohols and ether alcohols having less than three esterifiable hydroxyl groups per molecule.

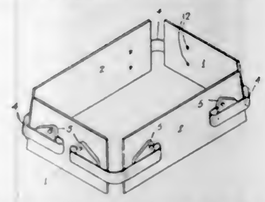
2,235,448

MOLD JACKET

David A. Collings, Cleveland, Ohio, assignor to Hazel K. Hines

Application August 24, 1938, Serial No. 226,503

5 Claims. (Cl. 22—112)



1. A foundry jacket comprising a plurality of walls arranged in a polygonal structure having open corners, and spring connections between adjacent wall ends bridging each corner, said connections including a pad formed on each end of each spring, said pad having a face secured to its respective wall end normally to fix the angular relation between the wall to which secured and the adjacent wall.

2,235,449

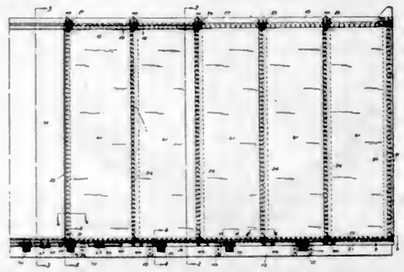
RAILWAY HOUSE CAR

Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application October 7, 1937, Serial No. 167,739

15 Claims. (Cl. 105—409)

1. A railway house car comprising a metallic underframe and a side wall, said side wall including a metallic side plate, metallic door and intermediate posts secured at their upper ends to said side plate, a metallic bottom stress transmitting member extending substantially from end to end of the car, brackets securing said posts to said bottom member and metallic sheathing secured to said posts, side plate and bottom member, said side wall being spaced outwardly of said car underframe and means secured to said bottom member for fastening said side wall to said underframe, said intermediate post brackets having inwardly directed shelves adapted to support the floor of said car at said intermediate posts.



15. A load carrying side wall construction for railway house cars having an underframe comprising a metallic side plate extending from end to end of said wall, a metallic bottom stress transmitting member, metallic door and intermediate posts extending between said side plate and bottom member, metallic sheathing secured to said posts, side plate and bottom member, means securing said posts to said side plate, means securing said posts to said bottom member so that stress imposed on said posts will be transmitted to said bottom member, and a plurality of means carried by said bottom member and spaced longitudinally from said intermediate posts for fastening said side wall to said underframe and transmitting the stress on said bottom member to said underframe.

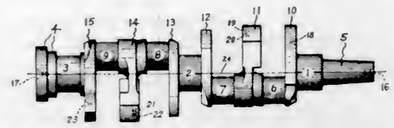
2,235,450

CRANKSHAFT BLANK

Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application January 8, 1940, Serial No. 312,960

4 Claims. (Cl. 29—148)



1. A blank for forming a multi-throw crankshaft comprising line bearing portions and pin bearing portions interconnected by rough irregular webs, having conical center holes prepared in the ends of said blank to define the main axis of rotation of said crankshaft and conical locating holes in the cheeks of the webs of said blank, the axes of said locating holes being parallel to said main axis of rotation of said crankshaft and spaced at predetermined radial distances from said main axis.

2,235,451

MOLD CONTAINER

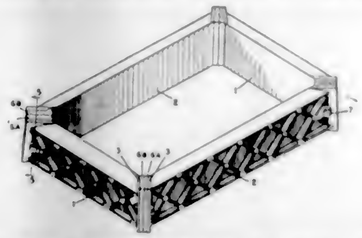
James F. Hines, Lakewood, Ohio, assignor, by mesne assignments, to Hazel K. Hines, Lakewood, Ohio

Application May 12, 1939, Serial No. 273,192

1 Claim. (Cl. 22—112)

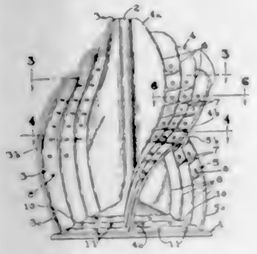
A mold container comprising in combination a plurality of side walls arranged to define corners at their adjacent ends; opposed cast addendum faces formed on the adjacent ends of said walls

to form a miter joint at each corner, each opposed pair of faces having a plurality of closely intermeshing transverse teeth and a longitudinal



tongue and groove pair which fit closely; and a connector at each corner arranged to hold the said teeth and tongue and groove pair together.

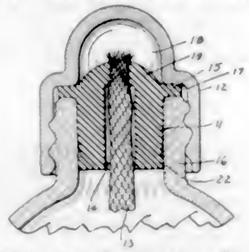
2,235,452
WASHING MACHINE
James B. Kirby, West Richfield, Ohio, assignor to The Apex Electrical Manufacturing Company, as trustee, Cleveland, Ohio, a corporation of Ohio
Application December 18, 1937, Serial No. 180,607
10 Claims. (Cl. 68—54)



1. In a device of the type described, a tub having a normal surface level of cleansing fluid, an oscillatable agitator mounted in said tub, said agitator comprising a base portion, a central portion projecting upwardly therefrom, a plurality of upstanding blades projecting from said base and central portions, said blades being inclined with respect to the horizontal and having rubbing and scrubbing corrugations extending lengthwise of the blades and other rubbing and scrubbing projections extending radially of the blades between said corrugations and openings for the passage of liquid in areas defined between said corrugations and projections, and means for oscillating said agitator.

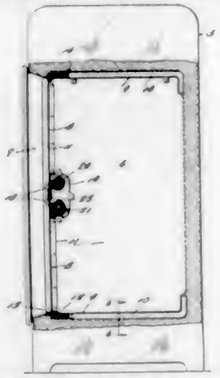
2,235,453
BOTTLE CAP
Erich Kirmes, London, England
Application October 24, 1938, Serial No. 236,772
In Great Britain October 25, 1937
2 Claims. (Cl. 91—67.2)

1. In a device of the class described, a container for liquids having an open end and a stopper mounted in said container at said open end, said stopper incorporating a longitudinally extending wick projecting from both ends thereof, and a plurality of resilient annular projections spaced along the periphery of said stopper, one of said projections being disposed to rest on the wall defining the open end of the container, and the other annular projection being disposed to



frictionally engage the inner wall of said container adjacent the open end thereof.

2,235,454
REFRIGERATOR CABINET DOOR CONSTRUCTION
Vladimir Koropchak, Kearny, N. J.
Application April 27, 1940, Serial No. 332,112
1 Claim. (Cl. 156—10)

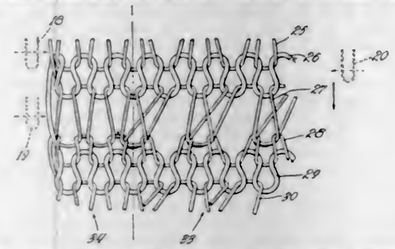


In a refrigerator cabinet having an entrance to a storage compartment, transparent flexible slidable doors for said entrance, guide strips carried by said cabinet to slidably support said doors vertically and for movement from and toward each other to close and open said entrance of the cabinet, horizontally arranged door chambers formed in the upper and lower portions of said cabinet and connecting with the guide strips to receive portions of the flexible doors on the latter moving toward open position, casings mounted in the cabinet adjacent the entrance, posts mounted in said casings, and clock type springs mounted on said posts and secured thereto and to said doors and slidably engaging the guide strips for automatically closing the doors on the latter being released from an open position.

2,235,455
KNITTING METHOD
Nicholas F. Lahr, St. Joseph, Mich., assignor to Cooper, Wells & Co., St. Joseph, Mich., a corporation of Michigan
Application June 22, 1939, Serial No. 280,580
1 Claim. (Cl. 66—96)

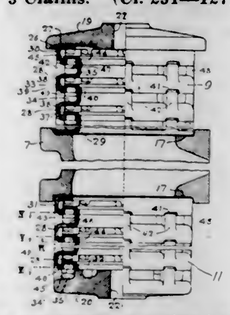
A method of flat knitting a strain absorbing section in a stocking with fine yarn on a machine having a needle gauge of at least 42 which comprises knitting one course with yarn, knitting a

succeeding course with an elastic thread with all of the loops normally engaged between said two courses, knitting the succeeding two courses with



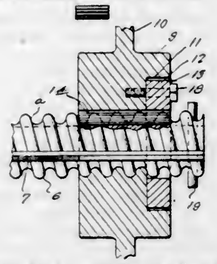
yarn and providing a picot interloop therebetween and repeating this cycle of courses, said last yarn course being the first yarn course in a succeeding cycle.

2,235,456
VALVE
Charles W. Lake, Skaneateles, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application May 21, 1940, Serial No. 336,338
3 Claims. (Cl. 251—127)



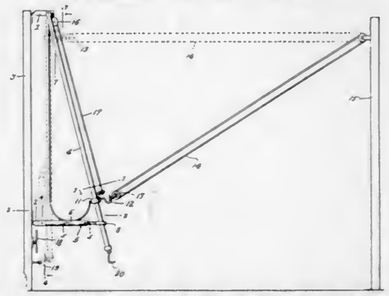
3. A valve comprising a casing having two end walls oppositely disposed in spaced relation and a sectional side wall extending in an axial direction from one end wall to the other end wall and continuous about said axis, said side wall having two separate sections, one of said sections being formed of a side wall portion extending substantially transversely of said casing and continuous about said axis and an outer side wall portion extending substantially longitudinally of said casing and continuous about said axis, integral, at an edge thereof, with said transverse wall portion at the outer edge thereof, and extending toward the other of said sections, and said other of said sections having a side wall portion extending substantially transversely of said casing and continuous about said axis and an inner side wall portion extending substantially longitudinally of said casing and continuous about said axis, integral, at one edge thereof, with an inner part of said last mentioned transverse wall portion, and extending toward said first mentioned section, said side wall further having a section separate from said spaced sections, extending substantially transversely of said casing and continuous about said axis having at an inner portion a face seating upon said inner side wall portion and having at its outer margin an oppositely disposed face seating upon said outer side wall portion, said transverse section further having an inlet orifice for the passage of fluid from the exterior to the interior of said casing and at the face thereof opposite said first mentioned transverse wall portion serving as a seat; a valve element disposed adjacent said seat and cooperating therewith for controlling said orifice; fluid outlet means in said casing; means for holding said end walls and side wall and its sections against axial relative movement; and supporting lugs extending from said outer margin of said transverse section to the outer margin of said second mentioned transverse portion and integrally connected to one of said margins.

2,235,457
DRIVING AXLE AND WHEEL HUB ASSEMBLY
John Lorimor, Imogene, Iowa
Application May 9, 1940, Serial No. 334,240
4 Claims. (Cl. 301—1)



1. In combination, a drive axle, a wheel including a hub, said axle being threaded, said hub being internally threaded and feedable on the threaded axle, said axle being formed with a longitudinal slot and a removable key on the hub engageable into the said slot, said hub being formed with a groove extending therethrough and adapted to partly receive the key, said key including an elongated member and an annulus and securing means disposable through the annulus and into the hub and adapted to permit removal of the annulus and key from the hub and axle.

2,235,458
CLOTHESLINE SUPPORT
Clair Madigan, San Francisco, Calif., assignor of one-half to Gustav Anderson, San Francisco, Calif.
Application June 8, 1940, Serial No. 339,545
4 Claims. (Cl. 211—119.06)



1. A clothesline support comprising a track pivotally mounted for swinging movement in a vertical plane on a supporting structure, a carrier, for connection with one end of a clothesline, slidable on said track, an arm pivotally mounted for swinging movement in a vertical plane on the supporting structure and having its

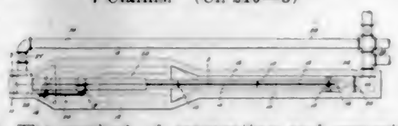
free end slidably connected to the track, and means for raising and lowering the carrier on the track.

2,235,459

METHOD OF AND APPARATUS FOR REMOVING INORGANIC SOLIDS FROM LIQUIDS

William B. Marshall, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 13, 1939, Serial No. 261,644
7 Claims. (Cl. 210—3)



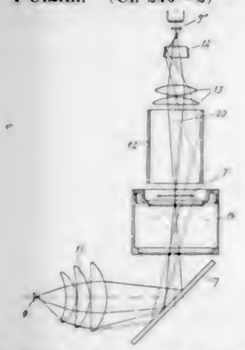
1. The method of segregating and removing inorganic solids from a liquid containing organic and inorganic solids in suspension and subject to variable flow conditions, which method comprises passing said liquid through a settling zone normally at a velocity best suited to cause said inorganics to settle therein while maintaining said inorganics in suspension, said velocity however being subject to reduction below said normal due to variations in said flow conditions, during which periods both organics and inorganics will settle in said zone; removing from the zone the inorganics which settle therein during normal velocity periods; and recirculating through the zone at said normal velocity all of the organics and the inorganics which settle therein during sub-normal velocity periods, whereby such inorganics may re-settle while the organics will be maintained in suspension and carried through the zone.

2,235,460

APPARATUS FOR MICROSCOPIC PROJECTION

Louis Nicolas Mestre, Paris, France, assignor to Anciens Etablissements Barbier, Benard & Turenne, Paris, France, a French company

Application August 10, 1937, Serial No. 158,417
In France November 30, 1936
1 Claim. (Cl. 240—2)



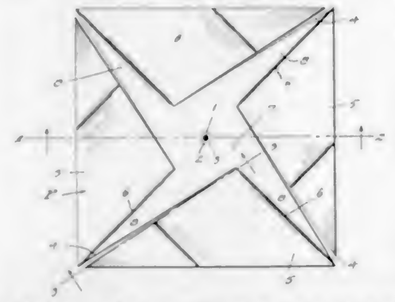
An illuminating system more particularly designed for an apparatus for microscopic projection and including a high pressure gas lamp forming a linear source of light and an optical device the optical axis of which is substantially perpendicular to said source of light, said optical device including a convergent optical system arranged to form a real image of said linear source of light, a further convergent system placed between said image and the object plane and arranged to form on said plane and from said image a further real image of great brilliancy of said source and of very small size, a tubular body provided between said first named real image and said further convergent system, the internal surface of said body being a surface of revolution about said axis of said optical device and of sufficient diameter not to be impinged on by the rays emanating from said first named image and arriving without deviation on said further convergent system, said surface being thus arranged to reflect the marginal rays emanating from said first named image back towards said further convergent system, a further tubular body disposed between said further convergent system and said further real image, the internal surface of said further body being a surface of revolution about said axis of said optical device and of sufficient diameter to surround the central convergent pencil of light emerging from said further convergent system, said internal surface of said further body being a reflecting surface and arranged to direct towards said further image the marginal rays which have been reflected by said first named tubular body.

2,235,461

HEAT SCATTERER

James M. Miller, Kiowa, Kans.

Application April 19, 1939, Serial No. 268,837
1 Claim. (Cl. 98—120)



A heat spreader comprising a plate rectangular in plan and provided with a central opening, said plate being provided with cuts each extending from a corner of the plate to a point to one side of but in close proximity to the opening to provide wings, each of said wings being downwardly disposed on a line on the plate radial to the axial center thereof, each portion of the plate between a cut and a line of bend of an adjacent wing constituting a substantially flat arm in the form of an elongated V with its apex outwardly disposed, each bend being substantially aligned with the line of bend of a second wing.

2,235,462

MANUFACTURE OF AN IMPROVED TALL OIL

Harold R. Murdock, Canton, N. C., assignor to The Champion Paper and Fibre Company, Canton, N. C., a corporation of Ohio

No Drawing. Application August 11, 1938, Serial No. 224,414
9 Claims. (Cl. 260—97.5)

7. As a new product refined tall oil from coniferous wood, being a smooth, uniform, oily liquid having an iridescent green color and an improved odor compared with that of crude tall oil and capable of prolonged standing without crystalliza-

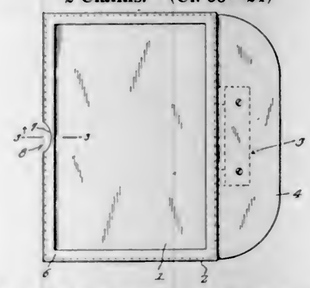
tion, said refined tall oil amounting to at least about 95% by weight of the weight of the dry crude tall oil and containing the organic products of pyrolysis of the hydroxy abietic acid content of the crude tall oil.

2,235,463

PHOTOGRAPHIC ENLARGING EASEL

Patrick Porcelli and Howard Landry, Chicago, Ill.

Application March 19, 1940, Serial No. 324,862
2 Claims. (Cl. 88—24)



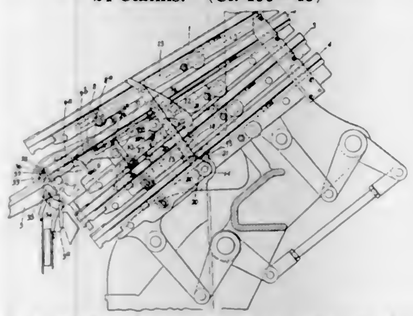
1. An enlarging easel comprising a block having a flat upper face, a frame composed of end and side members each of angle shape in cross section to provide horizontal flanges and depending flanges, said depending flanges fitting over the upper portions of the side walls of the block, when the frame is in lowered position and with the horizontal flanges holding a sheet between themselves and the edge portions of the block, a plate-like extension extending from the central portion of the lower edge of the rear depending flange and forming a handle for raising and lowering the frame, a hinge having one leaf fastened to the rear wall of the block at the middle thereof and its other leaf connected to an intermediate portion of the lower face of the extension.

2,235,464

TYPOGRAPHICAL COMPOSING MACHINE

Richard Henry Scott, Enfield, and William Fairall Gorse and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a limited-liability company of Great Britain

Application February 9, 1940, Serial No. 318,048
In Great Britain February 18, 1939
24 Claims. (Cl. 199—45)



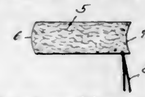
1. A typographical composing machine of the kind referred to including in combination a plurality of magazines, each of said magazines being mounted on a base frame, an extensible arm for supporting one of said magazines on removal or replacement, and mechanism actuated by the adjustment of said arm to the magazine supporting position for spreading the magazines and for separating from its base frame the magazine to be removed.

2,235,465

METHOD OF MAKING VAGINAL TAMPONS

Franklin P. Stamm, Laramie, Wyo.

Application February 16, 1939, Serial No. 256,783
2 Claims. (Cl. 18—47.5)



2. A method of making a vaginal tampon, which comprises fastening together a strip of tampon material adjacent to its outer edges, compressing the strip of tampon material to reduce its cross sectional area, and severing the strip transversely into tampons, the severing taking place along curved lines, thereby forming a rounded entering surface at the forward end of each tampon, and a concaved seat at the opposite end of the tampon.

2,235,466

ANTIKNOCK MOTOR FUEL

Adrianus Johannes van Peski, Nicolaas Max, Johannes Andreas van Melsen and Pieter Lucas Stedehouder, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 6, 1938, Serial No. 212,128. In the Netherlands June 15, 1937
1 Claim. (Cl. 44—9)

An improved motor fuel, which comprises a gasoline type motor fuel and a small amount of a normally liquid mixture consisting of the normally solid cupric methyl amino methylene acetone and of the normally liquid cupric ethyl amino methylene acetone.

2,235,467

WASHING MACHINE

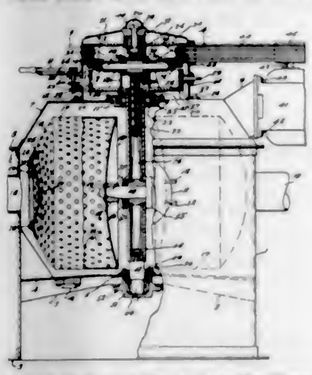
John E. Vetorino, Fairhaven, Mass., Frank Vetorino, Cincinnati, Ohio, and Joseph E. Vetorino, New Bedford, Mass., assignors, by mesne assignments, to Continental Laundry Machinery Co. Inc., New Bedford, Mass., a corporation of Massachusetts

Application December 22, 1939, Serial No. 310,656
5 Claims. (Cl. 68—20)

1. In a machine of the class described, a main casing, a pair of combination tumbler and extractor cylinders in said casing, a shaft connecting said cylinders together in relatively fixed axially spaced relation for rotation in unison about a horizontal axis, a shaft carrier upstanding in the vertical axis of said casing between said cylinders and rotatably mounted therein for driving to revolve said shaft and cylinders in unison about said vertical axis, and a motor drive for rotating said shaft and carrier, selectively, comprising a driven pulley surmounting said casing and rotatable on said vertical axis, a brake drum fast on the upper end of said carrier intermediate said pulley and casing, a friction clutch assembly carried by said drum between said pulley and drum operative under the action of centrifugal force to connect said pulley to said drum in driving relation thereto at a predetermined speed of operation of said drum, a planetary gear drive between said pulley and drum and driven by the pulley, a sprocket and chain drive for said shaft extending into said drum and operative by said planetary gear drive, and means to impose variable friction against said drum at will.

5. In a machine of the class described, a main

casing, a pair of combination tumbler and extractor cylinders in said casing, a shaft connecting said cylinders together in fixed axially spaced relation for rotation in unison about a horizontal axis, a shaft carrier upstanding in the vertical axis of said casing between said cylinders and rotatably mounted in said casing for driving to revolve said shaft and cylinders in unison about



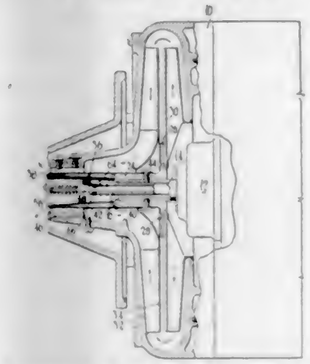
said vertical axis, a pair of axially disposed perforated doors in the outer sides of said cylinders, respectively, and a pair of inlet pipes at opposite sides of said casing, respectively, opening thereinto at the level of said doors for blasting fluid under pressure into said casing and against said doors to pass through the latter into the cylinders.

2,235,468

OIL BURNER IGNITING MECHANISM

Rene M. Vidalie, Port Washington, N. Y., assignor to Preferred Utilities Company, Inc., New York, N. Y., a corporation of Delaware

Application June 21, 1938, Serial No. 215,007
21 Claims. (Cl. 158—28)



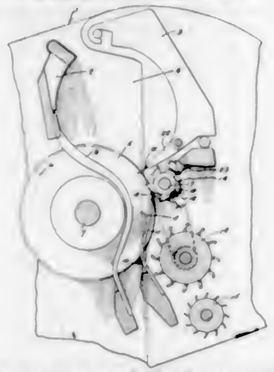
1. A method of igniting an oil burner having a rotary cup which comprises the steps of preheating the wall of said cup to a temperature above the flash point of the oil by radiation from a heat source so positioned with reference to the wall thereof as to preclude contact between the heat source and the wall, and thereafter depositing oil upon the wall of the cup without contacting said oil with the heat source to thereby successively vaporize the oil by contact with the preheated wall and subsequently ignite the vapor so formed by contact with said heat source.

2,235,469

SHORT RIBBED HULLER GIN

Jeffrey J. Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana

Application May 28, 1940, Serial No. 337,725
3 Claims. (Cl. 19—56)



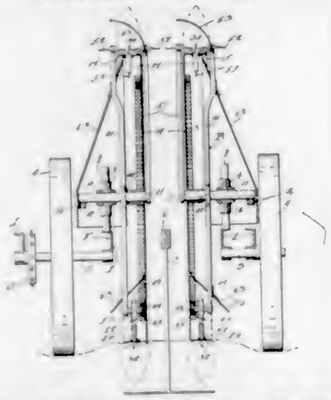
1. In a huller gin of the type comprising an outer huller breast cooperating with an inner ginning breast to form a roll box between their upper portions and having ribbed lower portions forming between them a seed duct, with gin saws operating between the ribs, the ribs of the huller breast terminating below the rims of the saws in the upper quadrants of the saws forming unobstructed passages between the saws, to the roll box, a rotary member carried by the huller breast on an axis parallel to the axis of the saws, positioned outwardly of said unobstructed passages, including elements with serrations extending between the saws whose paths of rotation overlap the saw rims, and a fixed member having teeth projecting between the elements having serrations, for clearing cotton from between said elements.

2,235,470

BEET HARVESTER

John A. Betty, Corcoran, Calif.

Application August 8, 1939, Serial No. 289,027
10 Claims. (Cl. 55—108)



1. A beet harvester comprising a portable frame, a rotatable beet elevator, means for supporting said elevator for rolling contact along and over a row of beets, penetrating members carried by the elevator for engaging the beets as the elevator passes thereover and carrying said beets upwardly, a cutting means for partially severing the crown of the beet as the same travels with the elevator, and means imposing lateral pressure upon the beet after being partially severed and as the beet travels further with the elevator for breaking off the beet.

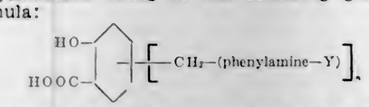
2,235,471

AMINO - O - HYDROXY-CARBOXYLIC ACIDS OF THE DIARYLMETHANE SERIES

Jakob Bindler, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application June 13, 1939, Serial No. 278,955. In Switzerland June 14, 1938
7 Claims. (Cl. 260—519)

2. Amino-hydroxy-carboxylic acids of the diarylmethane series of the following general formula:



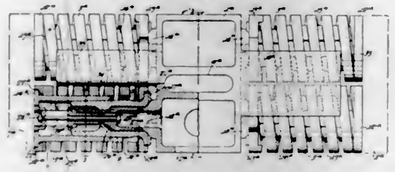
wherein Y means a substituent of the phenylamine selected from the group consisting of aliphatic and alicyclic radicals with more than 6 carbon atoms and n means one of 1 and 2, the $-CH_2-$ groupings being linked in at least one of the positions ortho and para to the hydroxy group of one benzene nucleus and in one of positions ortho and para to the amino group of the other benzene nucleus.

2,235,472

CUSHIONING MECHANISM

Emil H. Blattner, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of New York

Original application January 3, 1935, Serial No. 281. Divided and this application July 27, 1938, Serial No. 221,613
7 Claims. (Cl. 213—22)



1. Cushioning mechanism comprising a body portion, twin-arranged helical spring barrels engaging one end of said body portion, a seat for each end of each spring barrel, cooperating segmental friction shoes arranged in pairs within each spring barrel, the members of each pair being anchored to said seats respectively disposed adjacent said body member, and at the end of the mechanism away from said member, a central wedge member integral with and extending from said body member into each spring barrel and acting between said friction shoes for urging them laterally and pressing them together, said central members being in wedging engagement with one pair of friction shoes, and means for holding the parts of the mechanism assembled.

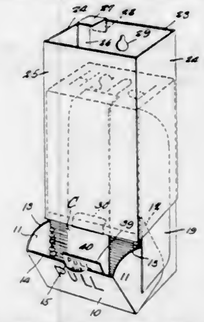
2,235,473

DISPENSING CONTAINER

Alfons A. Blinstrub, Silverpeak, Nev.

Application June 6, 1940, Serial No. 339,196
4 Claims. (Cl. 206—31)

1. A dispensing container including a casing comprising a single blank and open at its ends, an integral stop at one end of the casing, a catch on one wall of the casing extending thereinto, a box section having a limited sliding movement within the casing, said box section including a front panel, integral wings thereon lapping the sides of the box section, a hopper panel, side wings thereon lapping the sides of the box section and movable between said sides and the wings on the front panel, extensions on the wings of the hopper panel movable against the front panel to limit the swinging movement of the hopper panel in one direction, said catch being positioned for engagement by one edge of the front panel when the front section is moved outwardly from the casing, thereby to limit said movement.

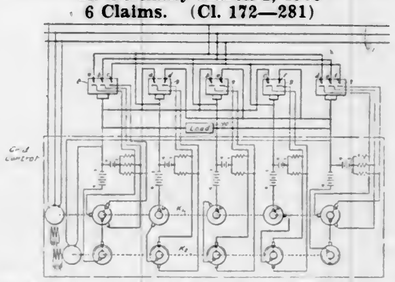


2,235,474

SYSTEM FOR DIRECTLY TRANSFORMING THE FREQUENCY OF POLYPHASE ALTERNATING CURRENTS

Max Bosch, Berlin-Reinickendorf, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of America

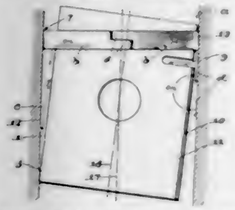
Application February 28, 1939, Serial No. 258,944
In Germany March 1, 1938
6 Claims. (Cl. 172—281)



1. A frequency transforming system comprising a polyphase supply circuit having a plurality of phase terminals, a single phase load circuit, a plurality of pairs of parallel connected unidirectional electric valves connected between the polyphase circuit and the load circuit, said pairs of valves being equal in number to the phase terminals of the supply circuit, the anode end of each of said pairs of valves being connected to the same phase terminal of the supply circuit, said pairs of valves being arranged in two parallel groups, the cathode end of each group being connected to the opposite terminals of the load circuit, a plurality of reversely connected pairs of valves, said pairs of valves being arranged in a number of groups corresponding to the num-

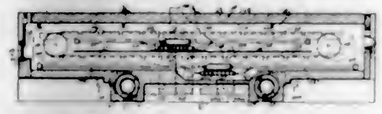
ber of phase terminals of the supply circuit, the anode ends of each pair of reversely connected valves being connected to the opposite terminals of the load circuit and the cathode of said reversely connected pairs of valves being connected to the respective phase terminals of the supply circuit.

2,235,475
PISTON
Zeno Arno Bruegger, Boise, Idaho
Application February 17, 1938, Serial No. 191,078
2 Claims. (Cl. 309—7)



1. A piston and a ring, the piston having a right-cylindrical groove disposed on a bias to the axis of the piston, the ring occupying the groove and having a right-cylindrical external surface and approximately right-cylindrical internal surface, said ring having its flat top and bottom sides perpendicular to the axis thereof.

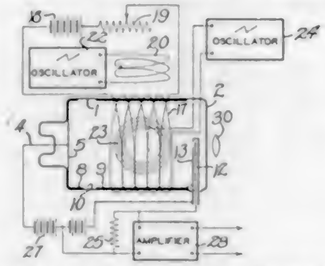
2,235,476
COMMERCIAL BAKING OVEN
John V. Cook, Chicago, Ill., assignor to Petersen Oven Company, Chicago, Ill., a corporation of Illinois
Application June 19, 1940, Serial No. 341,318
17 Claims. (Cl. 107—63)



1. In a baking oven, the combination of an endless conveyor mounted in the baking chamber and having upper and lower horizontally extending runs, a substantially horizontally extending partition in said chamber, disposed between said upper and lower runs of the conveyor, serving to divide said chamber into upper and lower baking portions, heat producing apparatus, separate heating transmitting means for each of two adjacent longitudinally spaced portions of each of said upper and lower portions of the baking chamber, and control means for predetermining the amount of heat supplied to each of said separate heat transmitting means for controlling the temperatures of the respective portions of the baking chamber.

2,235,477
DISSECTOR TUBE
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Original application December 31, 1935, Serial No. 56,976. Divided and this application March 12, 1938, Serial No. 195,557
2 Claims. (Cl. 250—150)

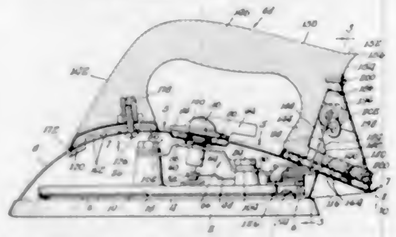
1. In a television transmitter, a dissector system comprising an evacuated envelope containing a substantially plane photoelectric cathode and adapted to permit an image of the scene to be transmitted to be projected on said cathode, electrostatic means for concentrating all the electrons emitted from said cathode into a beam of relatively small cross-section as compared with the area of said cathode, magnetic means for deflecting said beam, means for establishing a magnetic field substantially coaxial with the undeflected path of said beam and adapted to arrange electrons of said beam in image relation, and means positioned substantially on the axis of said beam and said field for collecting electrons of said image.



2,235,478
AZO DYESTUFF CONTAINING THE ARSENO GROUP AND PROCESS FOR THE MANUFACTURE OF SAME
Ernst Albert Hermann Friedheim, Geneva, Switzerland
No Drawing. Application March 21, 1940, Serial No. 325,231. In Switzerland April 26, 1939
2 Claims. (Cl. 260—148)

1. The 4,4'-dihydroxy-arsenobenzene-3,3'-bis[<azo-2>naphthol-(1)-disulphonic-4,8-acid].

2,235,479
ELECTRIC IRON
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 7, 1940, Serial No. 317,644
12 Claims. (Cl. 219—25)



3. In an electric iron, a sole plate, an electric heating element carried by the sole plate, a pair of upper and lower relatively separable contact members carried by said sole plate in circuit with said heating element, a bimetallic element secured in engaging relation with said sole plate and having a reversely curved free end portion of a curvature increasing as the temperature of the sole plate increases to engage and separate the lower of said contact members from the upper of said contact members when the sole plate reaches a predetermined temperature.

2,235,480
AMIDELIKE DERIVATIVES AND PROCESS OF MAKING THE SAME
Charles Graenacher, Riehen, Franz Ackermann, Binningen, and Heinrich Bruengger, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 8, 1937, Serial No. 173,528. In Switzerland November 11, 1936
14 Claims. (Cl. 260—153)

6. The acid amide-like derivatives of the general formula

$$R_1\left[\begin{array}{c}N-R_2\\ |\\ R_3\end{array}\right]_n$$

in which n stands for a whole number greater than 1 and smaller than 4,

$$-\underset{|}{N}-R_2$$

stands for the divalent radical of an amine free from hydroxyl, sulfonic and carboxyl groups, R_1 stands for the radical of a heterocyclic six-membered system whose heterocyclic six-membered ring consists of carbon and nitrogen atoms of which at least 3 and not more than 4 are carbon atoms and at least 2 and not more than 3 are nitrogen atoms, not more than 2 nitrogen atoms being linked with each other, which heterocyclic six-membered ring contains at least twice and at the most three times the atom grouping

$$-\underset{\underset{|}{N-R_3}}{C=N}-$$

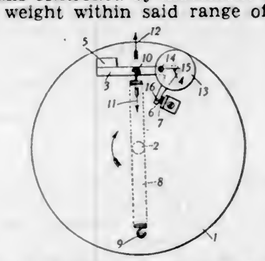
and R_3 stands for an acyl radical containing at least one salt forming group selected from the group consisting of carboxyl groups, sulfonic groups and quaternary ammonium groups, which products are water-soluble powders which, when treated with mild saponifying agents, regenerate the condensation product free from radicals R_3, hydroxyl, carboxyl and sulfonic groups and corresponding to the formula

$$R\left[\begin{array}{c}N-R_2\\ |\\ H\end{array}\right]_n$$

n, R_1 and R_2 having apart from the foregoing statement, the meaning given at the beginning of this claim.

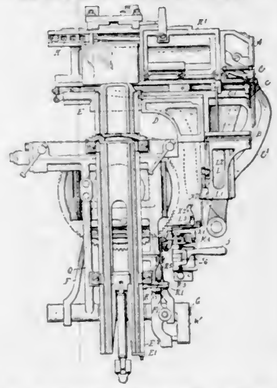
2,235,481
SPEED GOVERNOR
Fritz Hennig, Berlin-Siemensstadt, and Herbert Wüsteney, Berlin-Wilmersdorf, Germany, assignors to Siemens & Halske Aktiengesellschaft, Patentabteilung Verwaltungsgebaude, Berlin-Siemensstadt, Germany
Application November 11, 1936, Serial No. 110,312
In Germany November 11, 1935
6 Claims. (Cl. 200—80)

1. A centrifugal force contact governor for performing a switching operation at a given critical speed comprising a rotatable member, a weight mounted on said member for movement over a working range of motion by centrifugal force, a spring operatively connected with said weight opposing said centrifugal force, said spring being so dimensioned with respect to the mass of said weight and the mechanical advantage of said operative connection that a balance between the centrifugal force and the spring force is established at said critical speed substantially independently of the position within said range of movement of said centrifugal weight, and a contact means controlled by movement of said centrifugal weight within said range of movement



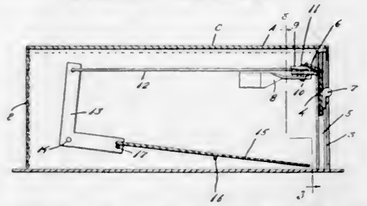
to perform a switching operation at said critical speed.

2,235,482
SLUG CASTING MACHINE
Paul Hilpman, Garden City, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application January 31, 1940, Serial No. 316,505
32 Claims. (Cl. 199—47)



1. In a slug casting machine, the combination of means for casting a slug during each cycle of machine operation, means for inaugurating the operation of the machine, and common means for conditioning the machine to operate continuously or for a definite selected number of cycles, as required.

2,235,483
RODENT TRAP
Marion C. Jacobs, La Porte City, Iowa
Application September 25, 1940, Serial No. 358,350
3 Claims. (Cl. 43—61)



1. In a trap of the class described having an opening in one end, a vertically movable door for closing the opening, a trigger member for holding the door in raised position, a tiltable platform in the lower part of the trap tilted by

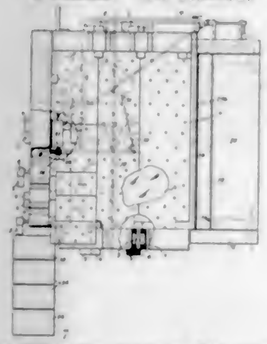
an animal or rodent walking over the same and means for moving the trigger member to releasing position by movement of the platform, said means including an L-shaped lever pivoted to a side wall of the trap, a projection on the lower end of the lever upon which the platform rests at its inner end and a rod connecting the upper end of the L-shaped lever with the trigger member.

2,235,484

MACHINE FOR FOLDING FLAT LINEN AND THE LIKE

Henri Léon Lucien Jésus, Boulogne-sur-Seine, France

Application January 8, 1938, Serial No. 184,069
In France January 12, 1937
9 Claims. (Cl. 270—61)



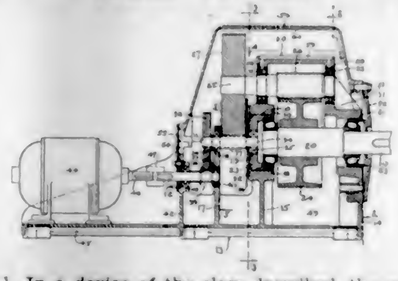
1. A machine for folding flat linen such as napkins and dish cloths, comprising a plurality of panels of different areas juxtaposed to form a substantially horizontal table, each of which panels is pivoted about a horizontal axis extending close to and along one of its edges, means adapted to reciprocate separately each of said panels through about 180 degrees according to a predetermined sequence, an engaging table inclined from front to rear and from bottom to top towards the panels and pivoted at its lower part about a horizontal axis, a stationary horizontal roller above said table, and spring means constantly urging upwards said table and pressing it against said roller.

2,235,485

GEAR SPEED REDUCER AND THE LIKE

Warren G. Jones, Jr., River Forest, Ill., assignor to W. A. Jones Foundry & Machine Co., Chicago, Ill., a corporation of Illinois

Application January 17, 1940, Serial No. 314,202
9 Claims. (Cl. 74—421)



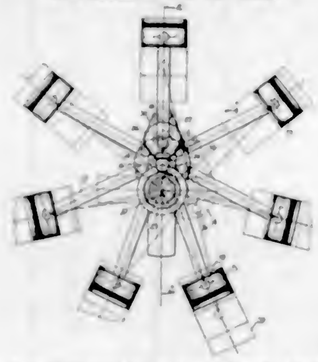
1. In a device of the class described, the combination of a base section having a pair of upwardly extending stands, a "low" speed shaft journalled in said stands, a gear on said shaft, a third stand upwardly extending from said base section in advance of said first mentioned stands, a "high" speed shaft journalled in said last named stand and one of the first mentioned stands, a removable frame section, a back shaft journalled therein parallel to the "low" and "high" speed shafts and said back shaft having at least one of its journals exclusively in said removable frame section, means to support said removable frame section rigidly with respect to both of the first mentioned stands, a pinion on the "high" speed shaft, and a pinion and a gear on the back shaft meshing with the gear and the pinion of the "low" and "high" speed shafts, respectively, substantially as described.

2,235,486

CONNECTING ROD STRUCTURE FOR ENGINES

Charles Lanier Lawrance, New York, N. Y., assignor to Lawrance Engineering and Research Corporation, Linden, N. J., a corporation of Delaware

Application May 18, 1938, Serial No. 208,559
21 Claims. (Cl. 74—580)



1. In a multicylinder engine, a crankshaft having a crank pin, a spool member mounted on said crank pin, connecting rods for the several cylinders of the engine connected to said spool member, the places of connection between said rods and said spool member being equidistant from the center of the spool member, a rotatable member mounted to rotate about a center offset with respect to the crankshaft axis, motion transmitting mechanism connecting said rotatable member with said crankshaft and arranged to cause said rotatable member to rotate in the same direction as that of the crankshaft, and a motion transmitting connection between said rotatable member and said spool member, said connection connecting with said spool member at a place further from its center than the places of connection of said rods thereto.

2,235,487

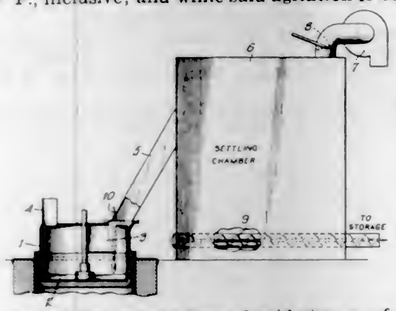
MANUFACTURE OF COMPOSITIONS OF LEAD OXIDE (PbO) AND FINELY DIVIDED METALLIC LEAD

Andrew Mayer, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

Application February 10, 1937, Serial No. 125,120
Renewed August 3, 1939
2 Claims. (Cl. 23—146)

1. Process for producing a mixture comprising the tetragonal form of lead monoxide and lead,

said process comprising passing a stream of air into contact with a bath of molten lead and molten lead particles above said bath while said bath of molten lead is being agitated in such a manner as to throw off said molten lead particles therefrom and while said bath of molten lead is at a temperature within the range of 650° F. to 750° F., inclusive; and while said agitation is continued and the rate of flow of said stream of air is such as to carry away fine particles of said mixture formed by contact of said stream of air with said bath and particles of molten lead, feeding molten lead to said bath of molten lead; and so changing the rate of said feeding of molten lead when the temperature of the bath departs from said range that the temperature of the bath of molten lead is restored within said range.

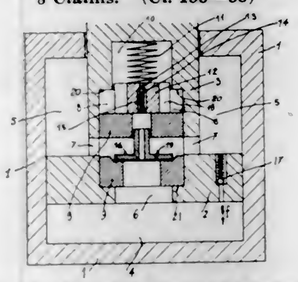


2,235,488

SHOCK-ABSORBING DEVICE

Jean Mercier, Neuilly-sur-Seine, France

Application January 7, 1937, Serial No. 119,402
In Belgium December 22, 1936
8 Claims. (Cl. 188—88)



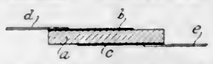
1. A shock-absorbing device of the type above referred to, comprising at least two chambers, one of these chambers being of variable capacity, direct connecting means of a preferably limited section between said chambers permitting the fluid to flow with a certain rather low speed from one chamber into the other, a movable valve member adapted to control said connecting means and subjected to the action of the pressure prevailing in said variable capacity chamber, air cushion means acting upon said valve member against said pressure, said valve member providing passageways therethrough between said variable capacity chamber and air cushion means, and auxiliary valve means at said passageways, loaded in both directions and allowing the fluid to flow therethrough in either direction under pressure differentials corresponding to their loads, thereby adapted to cause said valve member to be differently responsive to reverse modifications which occur in the said pressure.

2,235,489

CERAMIC ELECTRIC INSULATING BODY

Werner Rath, Bad Klosterlausnitz, Germany

Application December 24, 1937, Serial No. 181,586
In Germany September 28, 1936
8 Claims. (Cl. 106—12)



1. An electric insulating body of sintered ceramic material having a high dielectric constant, and containing at least 70 per cent of titanium dioxide and an oxide of a heavy metal belonging to group VIA of the periodic system of the elements and having an atomic weight between 96 and 184 inclusive.

2,235,490

SHOE PROTECTOR

Sulo Saksa, Troy, N. H.

Application November 7, 1939, Serial No. 303,274
1 Claim. (Cl. 36—1)



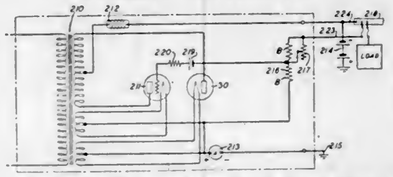
In footwear, in combination, a complete shoe having a permanent upper and having an attaching band affixed to said shoe and extending continuously from the shank of the shoe forward along one side of the shoe and around the toe portion of the shoe and rearward along the other side of the shoe to the shank, said band being secured between the permanent upper and the outsole of the shoe and forming a permanent but inconspicuous part of the shoe, and a detachable shoe protector having a cooperating attaching structure forming a continuous lower edge for said protector and coacting with said attaching band throughout its length to detachably but closely and continuously secure said protector to said shoe from the shank of said shoe at one side around the toe portion of the shoe to the shank of the shoe on the other side.

2,235,491

REGULATOR SYSTEM

David E. Trucksess, Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 6, 1937, Serial No. 167,521
7 Claims. (Cl. 171—314)



1. In a regulator system, an alternating current source, a battery and a load, means comprising a gas-filled rectifier for supplying rectified current to said battery and load and having a control electrode, means for regulating the potential of said control electrode in accordance with variations in the voltage of said battery produced by variations in the load and means associated with said regulating means for superposing thereon a unidirectional voltage that varies directly with the voltage of said alternating current source.

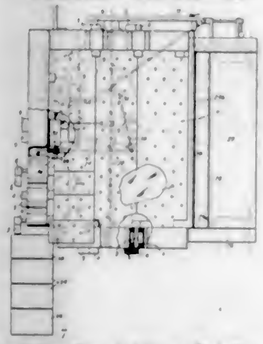
an animal or rodent walking over the same and means for moving the trigger member to releasing position by movement of the platform, said means including an L-shaped lever pivoted to a side wall of the trap, a projection on the lower end of the lever upon which the platform rests at its inner end and a rod connecting the upper end of the L-shaped lever with the trigger member.

2,235,484

MACHINE FOR FOLDING FLAT LINEN AND THE LIKE

Henri Léon Lucien Jésus, Boulogne-sur-Seine, France

Application January 8, 1938, Serial No. 184,069
In France January 12, 1937
9 Claims. (Cl. 270—61)



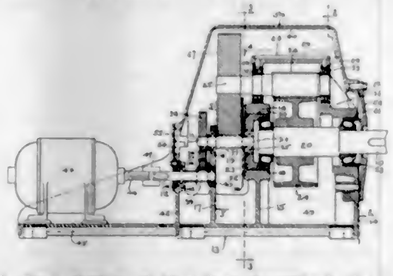
1. A machine for folding flat linen such as napkins and dish cloths, comprising a plurality of panels of different areas juxtaposed to form a substantially horizontal table, each of which panels is pivoted about a horizontal axis extending close to and along one of its edges, means adapted to reciprocate separately each of said panels through about 180 degrees according to a predetermined sequence, an engaging table inclined from front to rear and from bottom to top towards the panels and pivoted at its lower part about a horizontal axis, a stationary horizontal roller above said table, and spring means constantly urging upwards said table and pressing it against said roller.

2,235,485

GEAR SPEED REDUCER AND THE LIKE

Warren G. Jones, Jr., River Forest, Ill., assignor to W. A. Jones Foundry & Machine Co., Chicago, Ill., a corporation of Illinois

Application January 17, 1940, Serial No. 314,202
9 Claims. (Cl. 74—421)



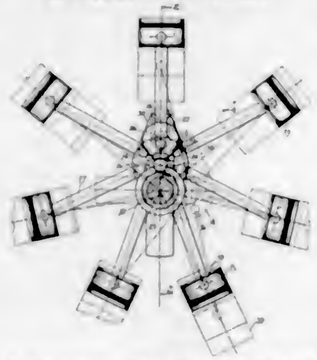
1. In a device of the class described, the combination of a base section having a pair of upwardly extending stands, a "low" speed shaft journalled in said stands, a gear on said shaft, a third stand upwardly extending from said base section in advance of said first mentioned stands, a "high" speed shaft journalled in said last named stand and one of the first mentioned stands, a removable frame section, a back shaft journalled therein parallel to the "low" and "high" speed shafts and said back shaft having at least one of its journals exclusively in said removable frame section, means to support said removable frame section rigidly with respect to both of the first mentioned stands, a pinion on the "high" speed shaft, and a pinion and a gear on the back shaft meshing with the gear and the pinion of the "low" and "high" speed shafts, respectively, substantially as described.

2,235,486

CONNECTING ROD STRUCTURE FOR ENGINES

Charles Lanier Lawrance, New York, N. Y., assignor to Lawrance Engineering and Research Corporation, Linden, N. J., a corporation of Delaware

Application May 18, 1938, Serial No. 208,559
21 Claims. (Cl. 74—580)



1. In a multicylinder engine, a crankshaft having a crank pin, a spool member mounted on said crank pin, connecting rods for the several cylinders of the engine connected to said spool member, the places of connection between said rods and said spool member being equidistant from the center of the spool member, a rotatable member mounted to rotate about a center offset with respect to the crankshaft axis, motion transmitting mechanism connecting said rotatable member with said crankshaft and arranged to cause said rotatable member to rotate in the same direction as that of the crankshaft, and a motion transmitting connection between said rotatable member and said spool member, said connection connecting with said spool member at a place further from its center than the places of connection of said rods thereto.

2,235,487

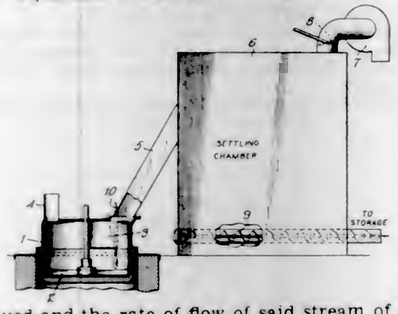
MANUFACTURE OF COMPOSITIONS OF LEAD OXIDE (PbO) AND FINELY DIVIDED METALLIC LEAD

Andrew Mayer, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

Application February 10, 1937, Serial No. 125,120
Renewed August 3, 1939
2 Claims. (Cl. 23—146)

1. Process for producing a mixture comprising the tetragonal form of lead monoxide and lead,

said process comprising passing a stream of air into contact with a bath of molten lead and molten lead particles above said bath while said bath of molten lead is being agitated in such a manner as to throw off said molten lead particles therefrom and while said bath of molten lead is at a temperature within the range of 650° F. to 750° F., inclusive; and while said agitation is continued and the rate of flow of said stream of air is such as to carry away fine particles of said mixture formed by contact of said stream of air with said bath and particles of molten lead, feeding molten lead to said bath of molten lead; and so changing the rate of said feeding of molten lead when the temperature of the bath departs from said range that the temperature of the bath of molten lead is restored within said range.

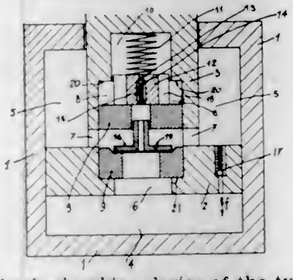


2,235,488

SHOCK-ABSORBING DEVICE

Jean Mercier, Neuilly-sur-Seine, France

Application January 7, 1937, Serial No. 119,402
In Belgium December 22, 1936
8 Claims. (Cl. 188—88)



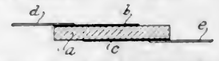
1. A shock-absorbing device of the type above referred to, comprising at least two chambers, one of these chambers being of variable capacity, direct connecting means of a preferably limited section between said chambers permitting the fluid to flow with a certain rather low speed from one chamber into the other, a movable valve member adapted to control said connecting means and subjected to the action of the pressure prevailing in said variable capacity chamber, air cushion means acting upon said valve member against said pressure, said valve member providing passageways therethrough between said variable capacity chamber and air cushion means, and auxiliary valve means at said passageways, loaded in both directions and allowing the fluid to flow therethrough in either direction under pressure differentials corresponding to their loads, thereby adapted to cause said valve member to be differently responsive to reverse modifications which occur in the said pressure.

2,235,489

CERAMIC ELECTRIC INSULATING BODY

Werner Rath, Bad Klosterlausnitz, Germany

Application December 24, 1937, Serial No. 181,586
In Germany September 28, 1936
8 Claims. (Cl. 106—12)



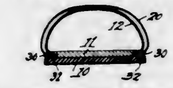
1. An electric insulating body of sintered ceramic material having a high dielectric constant, and containing at least 70 per cent of titanium dioxide and an oxide of a heavy metal belonging to group VIA of the periodic system of the elements and having an atomic weight between 96 and 184 inclusive.

2,235,490

SHOE PROTECTOR

Sulo Saksa, Troy, N. H.

Application November 7, 1939, Serial No. 303,274
1 Claim. (Cl. 36—1)



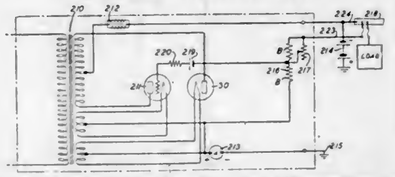
In footwear, in combination, a complete shoe having a permanent upper and having an attaching band affixed to said shoe and extending continuously from the shank of the shoe forward along one side of the shoe and around the toe portion of the shoe and rearward along the other side of the shoe to the shank, said band being secured between the permanent upper and the outsole of the shoe and forming a permanent but inconspicuous part of the shoe, and a detachable shoe protector having a cooperating attaching structure forming a continuous lower edge for said protector and coacting with said attaching band throughout its length to detachably but closely and continuously secure said protector to said shoe from the shank of said shoe at one side around the toe portion of the shoe to the shank of the shoe on the other side.

2,235,491

REGULATOR SYSTEM

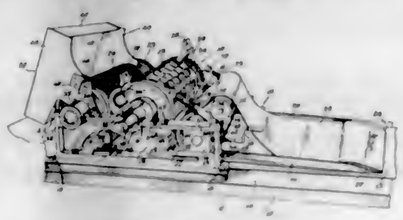
David E. Trucksess, Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 6, 1937, Serial No. 167,521
7 Claims. (Cl. 171—314)



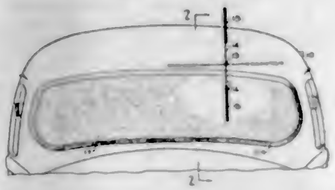
1. In a regulator system, an alternating current source, a battery and a load, means comprising a gas-filled rectifier for supplying rectified current to said battery and load and having a control electrode, means for regulating the potential of said control electrode in accordance with variations in the voltage of said battery produced by variations in the load and means associated with said regulating means for superposing thereon a unidirectional voltage that varies directly with the voltage of said alternating current source.

2,235,492
COOKY MOLDING MACHINE
Edward A. Weidenmiller, Chicago, Ill.
Application November 14, 1940, Serial No. 365,670
15 Claims. (Cl. 107—8)



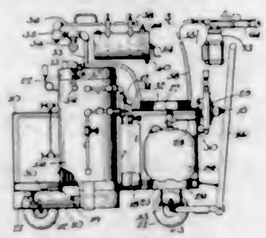
1. A rotary cooky molding machine of the character described comprising, in combination, a pair of side frame members, corresponding pairs of separable bearings formed in spaced relation along the top of each side frame member, a forcing roll mounted in the corresponding bearings of the two side frame members adjacent one end thereof, a cooky die roll mounted in the other corresponding bearings so as to be in opposed and relatively close relationship to said forcing roll, a hopper mounted on said side frame members and formed and disposed so as to provide an open bottom portion overlying the opposed upwardly facing portions of said die roll and forcing roll, and an extracting means for removing the molded cooky blanks from said die roll including an endless extracting belt, a nose plate mounted on said side frame members, an idler roller and a resilient rubber covered roll operable to press said extracting belt against said cooky die roll, and means for adjustably supporting said rubber covered roll including bearing means mounted in the upper portion of said side frame members and adapted to be opened for upward removal of said rubber covered roll from said side frame members.

2,235,493
VEHICLE WINDSHIELD WIPER
Oscar Dobkin, Akron, Ohio
Application December 8, 1937, Serial No. 178,731
2 Claims. (Cl. 15—250)



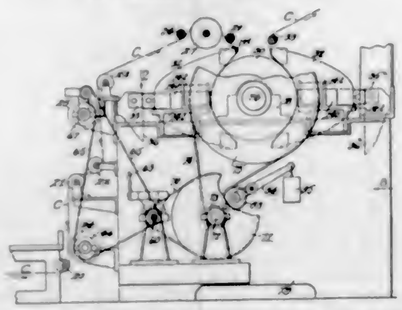
1. A windshield wiper for vehicles comprising a shaft, means for rotatably mounting said shaft on the vehicle body at a point away from the marginal edge of the vehicle windshield, means for rotating said shaft, a member axially slidably mounted on said shaft to rotate therewith, a pair of oppositely disposed arms fixed on said member, wiper elements carried by said arms, a cam having cam surfaces concentric with said shaft, riders on said arms adapted to ride on said cam surfaces, and means for yieldingly urging said member axially inwardly of said cam to maintain said riders in contact with said cam surface, said cam surface having portions for axially shifting said member to move said wiper elements to and away from the windshield to avoid overhanging portions of said vehicle body adjacent said marginal edge of the windshield as the wipers approach and leave the windshield.

2,235,494
DIFFUSING APPARATUS
Ollie T. Fielder and William E. Fielder, Milwaukee, Wis., assignors to Thermo Diffuser Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 12, 1938, Serial No. 229,496
7 Claims. (Cl. 299—87)



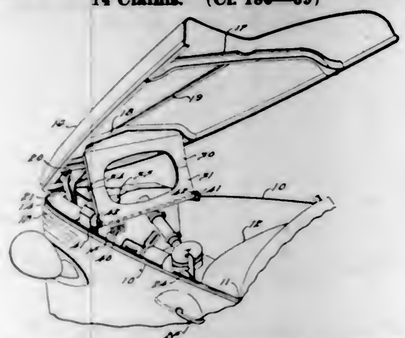
2. In a diffuser, the combination, with means for producing an elastic fluid jet, of liquid-supplying means including a conduit having a substantially flat end face across which said jet is adapted to flow, there being a plurality of discharge openings in said end face, said conduit being rotatably adjustable on an axis substantially perpendicular to said end face to vary the rate of liquid flow, at least one of said openings being eccentric to said axis.

2,235,495
ROTARY FINISHING PRESS
David Gessner, Worcester, Mass.
Application September 12, 1938, Serial No. 229,497
6 Claims. (Cl. 38—2)



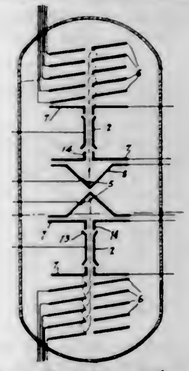
3. In a rotary finishing press, a main cylinder, a pair of ironing members mounted at opposite sides of said cylinder, means to apply pressure to said ironing members, said means including a rock shaft, link and lever connections from said rock shaft to said members, a crank arm on said rock shaft, a cross shaft having a crank arm and a link connecting said crank arms, means to give said cross shaft partial angular movements in opposite directions, and means to stop said cross shaft in predetermined angular positions.

2,235,496
MOTOR VEHICLE CONSTRUCTION
James W. Greig, Grosse Pointe Park, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 15, 1938, Serial No. 185,094
14 Claims. (Cl. 180—69)



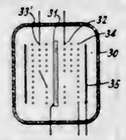
1. A hood for a motor vehicle having fixed side panels and a movable top bonnet comprising a unitary member shaped to form the top contour of the hood and movable as a unit relative to the vehicle, a hinge connection between the forward end of said bonnet and the forward end of the vehicle, and locking means adjacent the sides of said bonnet and rearward of said hinge connection for locking said bonnet at opposed sides and adjacent said fixed side panels.

2,235,497
HIGH FREQUENCY ELECTRON DISCHARGE DEVICE
Oskar Heil, Ludwigshafen-on-the-Rhine, Germany, assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 23, 1935, Serial No. 7,894. Renewed August 10, 1939. In Germany February 23, 1934
24 Claims. (Cl. 250—27.5)



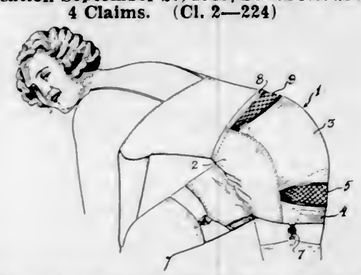
1. An electron discharge tube for producing short electromagnetic waves, comprising cathode means, negative electrodes adjacent to said cathode means, accelerating electrodes having apertures, hollow metal bodies each having apertures and connected to a lead wire and disposed between said accelerating electrodes, and electron intercepting anodes, said apertures in said hollow metal bodies and in said accelerating electrodes being of a shape corresponding to the section of the pencil of electrons, and said electron intercepting anodes comprising a plurality of parallel plates insulated from one another, said plates being disposed at an angle to the direction of the pencil of electrons and having apertures corresponding in shape to the section of the pencil of electrons, and said apertures in said plates being disposed in the direction of the pencil of electrons.

2,235,498
ELECTRON DISCHARGE DEVICE
Edward W. Herold, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 11, 1940, Serial No. 313,381
19 Claims. (Cl. 250—27.5)



13. An electron discharge device having a cathode, a space charge grid, control grid and anode, the space charge grid and control grid being so formed that the control grid is adjacent the cathode over only a portion of its surface and the space charge grid is adjacent the cathode over the remainder of the cathode surface.

2,235,499
UNDERGARMENT
William Hiller, Brooklyn, N. Y., assignor to Julius Kayser & Co., New York, N. Y.
Application September 27, 1939, Serial No. 296,751
4 Claims. (Cl. 2—224)

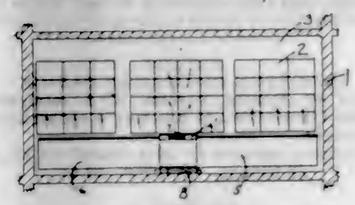


1. An undergarment comprising a front panel fabricated of elastic and inelastic yarns to have elastic stretch in a direction circumferentially of the garment; a seat panel fabricated of elastic and inelastic yarns to have elastic stretch in a direction circumferentially of the garment; a leg panel fabricated of elastic and inelastic yarns to have elastic stretch in a direction circumferentially of the garment, said seat panel and said leg panel being interconnected with said front panel; and a strip forming the connection between the seat panel and the leg panel and fabricated of elastic yarns interconnected together at spaced points whereby the elastic yarns may be stretched longitudinally and laterally to provide the strip with two-way elastic stretch in directions both circumferentialy and longitudinally of the garment.

2,235,500
HEATING AND VENTILATING APPARATUS
Francis A. Kitchen, Cleveland, Ohio
Application October 3, 1938, Serial No. 233,134
7 Claims. (Cl. 237—2)

1. A unit assembly for heating and ventilating

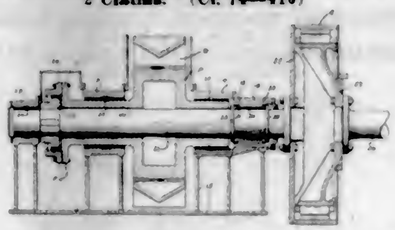
rooms in buildings, having outside walls including in combination a heat exchange surface positioned adjacent the outside wall of a room, a flattened duct positioned adjacent said outside wall and extending across the zone of occupancy of said room, said duct being formed with upwardly directed air outlet openings adjacent its upper portion, means for blowing air over said heat exchange surface and into said flattened duct, the construction being such that air circulation currents over said outside wall areas will be set up and said duct will become heated to radiate heat energy into the zone of occupancy.



2,235,501
SLIP COUPLING DRIVE ASSEMBLY

Austin Kuhns, Buffalo, N. Y., assignor to Farrel-Birmingham Company, Incorporated, Buffalo, N. Y., a corporation of Connecticut

Application August 14, 1939, Serial No. 289,983
2 Claims. (Cl. 74—410)

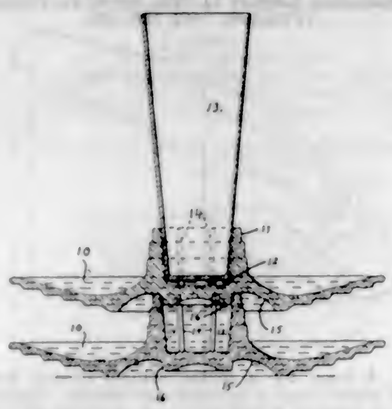


1. A transmission assembly comprising a gear to be driven and a supporting shaft therefor mounted in thrust bearings tending to prevent axial displacement of said shaft, a pinion meshing said gear, said pinion and gear being of the herring-bone type, a tubular supporting shaft for said pinion, plain bearings for said pinion shaft adjacent opposite sides of said pinion and providing sufficient clearance for axial movement of the shaft therein, a drive shaft extending through said pinion shaft but radially displaced therefrom, bearings for the ends of said drive shaft located outside of said pinion shaft bearings, a slip coupling having one of its elements adapted for connection with a driving source and its other element mounted on one end of said driving shaft to be supported solely by said shaft, a flexible coupling between the other end of said drive shaft and the adjacent end of said pinion shaft, means holding said drive shaft against axial movement in its bearings, said flexible coupling being arranged to transmit the rotary movement of said drive shaft to said pinion shaft and pinion without causing any strain on the pinion shaft during any misalignment of said drive shaft relative to said pinion shaft and to permit free axial shift of said pinion shaft for movement of the pinion to follow any axial displacement movement of said gear shaft and gear whereby proper meshing relation will be maintained at all times between the pinion and gear.

2,235,502
SERVING DEVICE

Louis A. Leppke, Omaha, Nebr.

Application September 26, 1938, Serial No. 231,771
3 Claims. (Cl. 65—15)

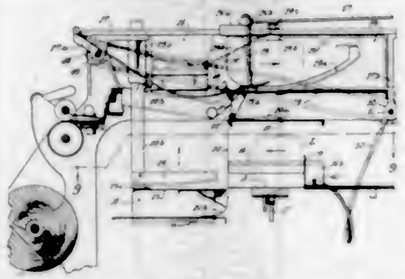


3. The hereindescribed serving device comprising a plate having an integrally formed supporting member upstanding therefrom a distance substantially greater than the thickness of the plate and having a socket therein open at the top, the bottom of the plate having an upwardly extending recess therein beneath the socket, and a depending annular stacking ring in the recess, the ring of an upper stacked plate being adapted to be received in the upper portion of the socket of a lower stacked plate.

2,235,503
WRAPPING MACHINE

Charles H. Petskeyes, Davenport, Iowa, and Israel C. Gellman, Rock Island, Ill., assignors to Gellman Manufacturing Company, Rock Island, Ill., a corporation of Illinois

Application February 27, 1939, Serial No. 258,674
23 Claims. (Cl. 93—2)

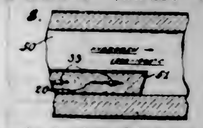


1. In a wrapping machine, in combination, a movable loading table cooperable with an article elevator, adjustable article holding means on said loading table and movable therewith, adjustable end fold means cooperating with said elevator for movement therewith to engage an article moved from said loading table onto the elevator, and mechanism actuated by a unitary control for a simultaneously and correspondingly adjusting said holding means and said end fold means to accommodate articles of different size in the machine.

2,235,504
IGNITRON STARTER

Robert F. Runnie, Little Falls, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 19, 1939, Serial No. 268,661
6 Claims. (Cl. 250—27.5)

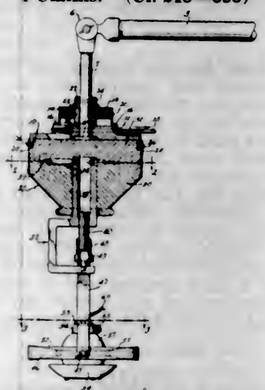


1. The method of making an auxiliary starting electrode for contact with a mercury pool which comprises packing under pressure, a powdered mixture of material with a conductor, burying the packed mixture and conductor in a loose second mixture and sintering the first packed mixture on said conductor in a gas furnace.

2,235,505
MICROPHONE SUPPORT

Byron F. Ryan, Los Angeles, Calif., assignor to Warner Brothers Pictures, Inc., a corporation of Delaware

Application October 3, 1938, Serial No. 232,989
4 Claims. (Cl. 248—358)



1. A microphone support for minimizing vibration effects on said microphone set up by a flexible extension adapted to be moved for adjusting the position of said microphone comprising a conical-shaped shell having its larger diameter portion attached to one end of said extension and its smaller diameter portion in the direction of said microphone, a suspension shaft for supporting said microphone, a resilient material within and interposed between said shell and said suspension shaft and extending around said shaft externally of said shell, and a plurality of arms embedded in said resilient material and attached to said shaft.

2,235,506
ULTRA SHORT WAVE RADIO SYSTEM

Sergei A. Schelkunoff, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 8, 1939, Serial No. 278,032
17 Claims. (Cl. 250—33)

1. In a high frequency transmission system including two circuits of different impedance, means for obtaining a change in impedance level comprising a pair of conducting discs placed coaxially, the distance between said discs being less than 10 per cent of their diameters, and means for connecting the said two circuits of the system electrically to the centers and the peripheries of said pair of discs respectively.



2,235,507
FLOOR AND WALL COVERING MATERIAL

Hugo Strauch, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application October 23, 1936, Serial No. 107,229. Divided and this application April 26, 1939, Serial No. 270,159. In Germany November 7, 1935
4 Claims. (Cl. 260—9)

1. A floor and wall covering material comprising a filler consisting of from about 15 to about 30 parts by weight of an organic filler besides 100 parts by weight of an inorganic filler incorporated with an aqueous emulsion of a volatile-solvent lacquer, said emulsion comprising an emulsifying agent soluble both in water and in oil, the filler and the emulsion being employed in such a proportion that a product results which is moist like wet earth but not sticky.

2,235,508
PROCESS FOR PRODUCING ALLOYS CONTAINING ZIRCONIUM

Helmut von Zeppelin, Bitterfeld, and Ludwig Teichmann, Leverkusen-I. G. Werk, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

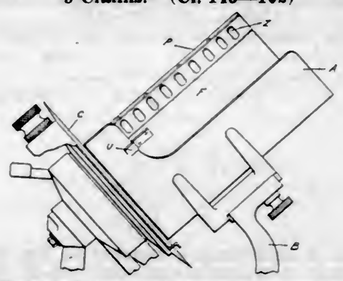
No Drawing. Application January 18, 1940, Serial No. 314,451. In Germany January 24, 1939
4 Claims. (Cl. 75—177)

1. A process for producing alloys containing zirconium, which comprises causing to contact with the molten metal to be alloyed with zirconium, a product consisting of finely divided particles of zirconium metal dispersed in a mixture of magnesium chloride and an alkali metal chloride.

2,235,509
GUIDING DEVICE FOR SLICING MACHINES

John Jacob Waage, Stamford, Conn., assignor to Globe Slicing Machine Co. Inc., Stamford, Conn., a corporation of New York

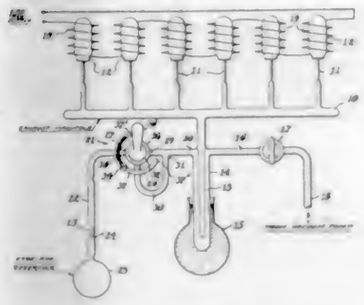
Application September 20, 1939, Serial No. 295,703
5 Claims. (Cl. 146—102)



1. Detachable covering means for converting

open sided object holders to closed sided object holders for slicing machines combining with a cover having a guideway, a follower, means for slidably suspending the follower in the guideway and means for securing the cover to the holder.

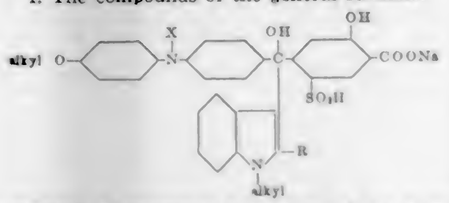
2,235,510
VALVE APPARATUS
Ward W. Watrous, Jr., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 26, 1939, Serial No. 292,043
2 Claims. (Cl. 226—20)



1. Apparatus for filling devices with gas which comprises a gas reservoir, a manifold, a vacuum pump and a valve, said valve comprising a housing having an inlet and outlets and a revolvable passageway therein, said inlet connected to said gas reservoir, two of said outlets connected to each other and to the manifold and vacuum pump, said valve passageway revolvable to a position connecting said inlet and a first outlet and to a second position connecting said inlet only and to a third position in sequence from said second position connecting said second outlet only.

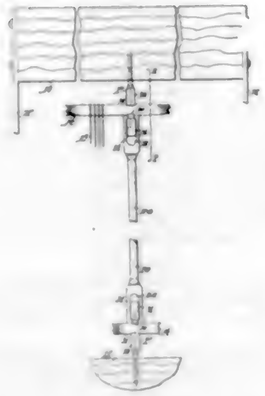
2,235,511
DIARYL-MONOINDOLYL-METHANE DYESTUFFS
Paul Herbert Wolff, deceased, late of Frankfort-on-the-Main-Hochst, Germany, by Richard Wenzel, administrator, Frankfort-on-the-Main-Hochst, Germany, and Karl Frank, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application December 21, 1938, Serial No. 247,052. In Germany May 3, 1938
4 Claims. (Cl. 260—319)

1. The compounds of the general formula:



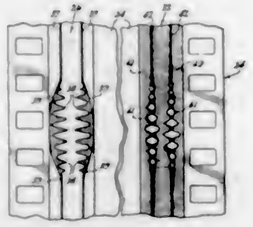
wherein X represents a member of the group consisting of hydrogen and alkyl and R represents a mononuclear aryl radical.

2,235,512
HARNESS FRAME
Joseph E. Blanchard, Millbury, Mass., assignor to Watson - Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts
Application March 16, 1940, Serial No. 324,331
3 Claims. (Cl. 139—92)



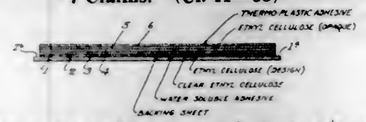
1. In a loom harness having top and bottom frame members and heddle bars, in combination, a center bar having flat recessed ends disposed parallel to the plane of said harness, heddle bar posts fixed to said top and bottom frame members and each having an opening in one side approximately equal in height to the width of said heddle bar and provided with a notched outwardly extending portion adapted to receive and directly engage a center bar end, and a yieldingly movable keeper slidably mounted on each post and normally positioned to lock said heddle bar in said opening and to thereby prevent displacement of said center bar end from said opening in said fixed post member.

2,235,513
SOUND RECORDING SYSTEM
Arthur C. Blaney, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1939, Serial No. 288,613
14 Claims. (Cl. 179—100.3)



1. The method of sound recording comprising simultaneously recording a negative record and a direct positive record on the same film of the same sound waves.

2,235,514
TRANSFER
Benjamin F. Brown, Chicago, Ill.
Application October 7, 1938, Serial No. 233,886
7 Claims. (Cl. 41—33)



7. As a new article of manufacture, a transfer comprising a transparent rosin sized carrier paper coated on one side with a water-soluble adhesive, a coat of transparent ethyl cellulose material on said coat of water-soluble adhesive, said transparent ethyl cellulose coat being tinted with an aniline dye, a non-water soluble coat forming a colored design on said coat of ethyl cellulose material, and containing a blending agent in solid form, a non-water soluble coat forming the base for said colored design on the coat forming the latter, and a thermo-plastic adhesive coat on the coat forming the base color of the design.

2,235,515
MANUFACTURE OF MINIATURE LAMPS
Walter E. Carpenter, West Caldwell, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1938, Serial No. 219,344
19 Claims. (Cl. 176—7)



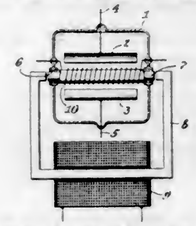
1. The method of making a miniature incandescent electric lamp, comprising blowing a bulb in an intermediate portion of a glass tube adjacent a sealed end thereof, to provide a tubular portion of normal size at each end.

2,235,516
PLASTIC SHEET MATERIAL AND PROCESS FOR MAKING THE SAME
Ralph T. K. Cornwell, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
No Drawing. Application August 5, 1938, Serial No. 223,223
12 Claims. (Cl. 91—68)

5. A process for rendering less tacky a plasticized pellicle formed of a hydrophilic colloidal material comprising distributing over the surface of said pellicle, in an insufficient amount to form a continuous coating, a multiplicity of fine, substantially permanent particles of an anti-sticking composition comprising a normally solid hydrophobic fatty substance containing not less than 11 carbon atoms in the aliphatic radical and a cellulose ether.

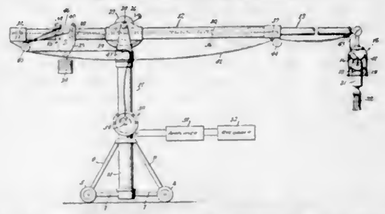
2,235,517
MAGNETRON
Werner Espe, Berlin-Siemensstadt, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application November 19, 1938, Serial No. 241,358
In Germany November 25, 1937
11 Claims. (Cl. 250—27.5)

8. A discharge device comprising a container of annular shape having anode and cathode, an electro-magnet within the central opening and



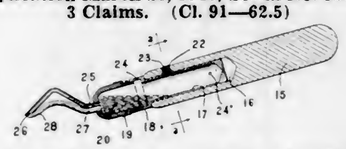
closure members of magnetizable material completely closing said central opening.

2,235,518
MICROPHONE CONTROL SYSTEM
Irl R. Goshaw, Beverly Hills, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application August 27, 1938, Serial No. 227,054
9 Claims. (Cl. 179—1)



1. A microphone boom system comprising a vertical standard, a telescoping cross arm carried by said standard, a microphone carried by said cross arm, said cross arm being adapted to move said microphone vertically and horizontally, and adjustable means mounted on said standard for producing a rotational effect to said microphone while maintaining said microphone stationary.

2,235,519
WAX APPLICATOR
Norbert Hausknecht, Brooklyn, N. Y.
Application March 28, 1940, Serial No. 326,435
3 Claims. (Cl. 91—62.5)



3. A wax distributor comprising a handled container having a removable cap, a distributor tube set in said cap, a slicker rod fixed in the cap to extend substantially parallel with said tube and terminating adjacently below its open outer end, and means for venting said container.

2,235,520
POULTRY FEEDER
Clarence E. Hedrick, Newton, Kans.
Application October 6, 1938, Serial No. 233,621
1 Claim. (Cl. 119—61)

In a poultry feeder of the class described, the feeder formed from a single blank and having sides, end walls, bottom, a pair of slanting top members and a ridge, said ridge comprised of two

members, each integrally joined to its respective top member and vertically disposed from its points of intersection with the top member, there being a plurality of slots spaced along and passing through the ridge members where they intersect the top members, the slots of one member being in registry with the slots of the other member when said members are placed together, the ends of each slot curved upward to provide a rockable tongue between the curvatures and following along the slot at one side thereof, each top member having a series of ports spaced therealong, and keys, each being notched at both ends,



and each being inserted in a pair of slots with its notches holding the ridge members together, each side wall and top member having at each end an extension, these extensions and the end walls completely closing both ends of the feeder, each end wall having a pair of oppositely disposed curved slots, each extension of the side wall being hook-shaped and engaging in one of these slots, the extensions of the top members overlapping and being inside of the end walls and of the extensions of the side walls, the feeder being held together by the engagement of the keys and of the hook-shaped extension with the slots.

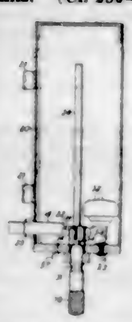
2,235,521

FREQUENCY INDICATOR

William H. C. Higgins, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 26, 1939, Serial No. 286,681

4 Claims. (Cl. 250—39)



4. In an electromagnetic wave frequency indicator, a tuned circuit comprising a closed hollow metallic vessel, a rod within said vessel in conductive engagement with one end thereof, means for loosely coupling a source of electromagnetic wave energy to said rod, an electromagnetic wave detector within said vessel adjacent the said one end thereof, said detector being loosely coupled electrically to said rod, a current indicating means without said vessel, a lead from said detector carrying rectified energy to said voltage indicating means and capacitative means within said vessel connecting said lead to the said one end of said vessel whereby energy of the frequency of the electromagnetic wave to be measured is prevented from leaving said vessel along said lead.

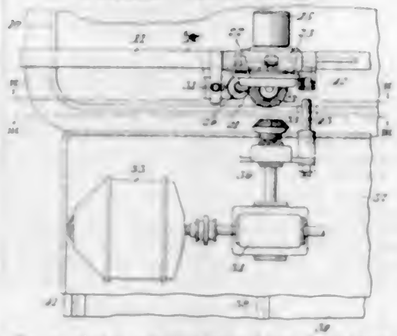
2,235,522

SHEET COATING MACHINE

John C. Holdgate, Carl Koelkebeck, and William P. Donald, Warren, Ohio, assignors to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio

Application December 12, 1939, Serial No. 308,798

5 Claims. (Cl. 91—12.7)



1. In a sheet coating machine including a frame and bottom rolls journaled therein, means for driving said rolls comprising a bevel gear movable laterally of the machine, a shaft extending downwardly from the upper portion of the frame, a bearing hanger in which the upper portion of the shaft is journaled, means on said frame providing a support for said hanger, and a bevel pinion on said shaft exposed for driving engagement by said bevel gear, said hanger being pivoted to said last-mentioned means about an axis coincident with that of said gear.

2,235,523

ELECTRIC CORD

Clifford O. Hull, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application November 12, 1938, Serial No. 239,969

2 Claims. (Cl. 174—121)



1. In an electric cord, a core of fibrous material, a conductor comprising a plurality of parallel strands of copper, the strands of said conductor being spirally wrapped around said core in parallel relationship, an outer wrap of fibrous material having parallel strands, said strands being spirally wound around said conductor in parallel relationship with a pitch at least as long as that of said spiral conductor to absorb stresses applied to said cord, and an over-all insulating covering of rubber.

2,235,524

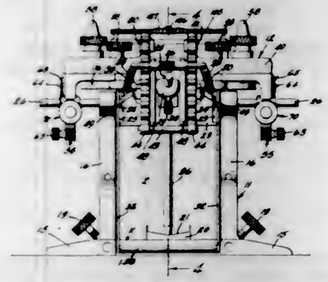
DENTAL ARTICULATOR

John A. Lentz, Phoenix, Ariz., assignor to John A. Lentz, Jr., Phoenix, Ariz.

Application August 21, 1937, Serial No. 160,242

13 Claims. (Cl. 32—32)

1. In a dental articulator, the combination of: a pair of spaced model supporting frames; a pair of laterally disposed condyle rods on one of said frames; a pair of condyle heads on the other of said frames, said heads being formed to provide slots for receiving said rods; one of said frames having a pair of parallel plates positioned to the rear of the condyle axis forming a slot adapted to receive a ball, the other frame having



a rod extending rearwardly of the condyle axis and midway of said slot adapted to carry a ball, and a ball carried on said rod bearing on the adjacent faces of the plates forming said slot thereby permitting relative opening and rotative movement of said frames but preventing relative, rectilinear lateral movement thereof.

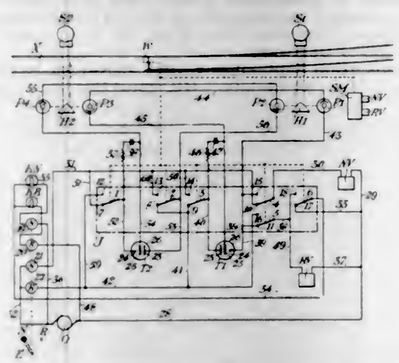
2,235,525

RAILWAY TRAFFIC CONTROLLING APPARATUS

John W. Livingston, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 7, 1939, Serial No. 293,783

7 Claims. (Cl. 246—219)



4. In combination with a section of railway track provided with a railway track switch operatively connected with an operating mechanism for selective operation to each of its two positions, a circuit controller operatively connected with said switch, a manually operable two-position switch control lever, two electronic tubes, means responsive to traffic conditions in said section for conditioning one or the other of said two tubes to be conducting according as said section is or is not occupied, and circuit means controlled by said control lever and said circuit controller and including said two tubes for controlling the operation of said operating mechanism, whereby when said other tube is conducting said switch is operated to a position of correspondence with said lever but when said one tube is conducting said switch is held in its last-operated position regardless of the position of said control lever.

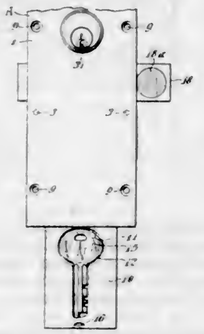
2,235,526

KEY HOLDER

Harry T. Lucas, Roanoke, Va., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 10, 1939, Serial No. 261,035

7 Claims. (Cl. 70—447)



1. A key holder comprising a member movable between a key retaining and a key releasing position, indication means, means for operating said indication means to an indicating position before said member can be moved to its key releasing position, a lock requiring a key for its operation, and means effective when said indication means has been moved to its indicating position for retaining it in such position until said lock is operated.

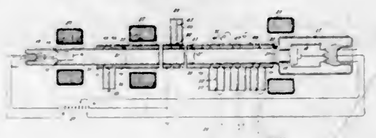
2,235,527

POLYPHASE GENERATOR FOR ULTRA SHORT WAVE LENGTHS

Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

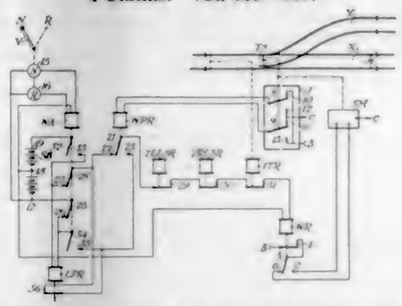
Application December 31, 1938, Serial No. 248,799

3 Claims. (Cl. 250—11)



1. In combination, a discharge device of the cathode-ray type for producing an electron beam, means for modulating the beam at high frequency so as to produce periodic variations in the beam current, a plurality of output electrodes successively coupled to the modulated beam so as to be sequentially affected thereby, and a plurality of circuit means respectively connecting with the various electrodes, the said electrodes being so dimensionally and spatially related that as a result of the electron transit time between them the currents generated in the various circuit means by the action of the beam on the electrodes have desired phase displacements which differ materially from one hundred eighty degrees.

2,235,528
RAILWAY TRAFFIC CONTROLLING APPARATUS
Ronald A. McCann, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 13, 1940, Serial No. 352,379
4 Claims. (Cl. 246—219)



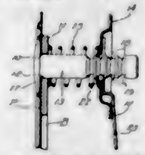
1. In combination, a manually operable control member for controlling a polarized control relay into correspondence with the member, a railway traffic controlling device controlled into correspondence with said control relay, lock means rendered active or inactive in accordance with traffic conditions adjacent the device, a first two-position magnetic stick relay reversibly operated into correspondence with said control member, a second two-position magnetic stick relay reversibly operated into correspondence with said device, and means controlled by said two two-position relays for reversibly energizing said control relay over a circuit which may be closed when said lock means is inactive and which if closed remains closed when said member is moved intermediate its control positions, said last mentioned means including storage preventing means controlled by said lock means and active, after said lock means becomes inactive, to prevent operation of said control relay into correspondence with said member if said member is out of correspondence with said device when said lock means becomes inactive.

2,235,529
COUCH
Catherine T. McCartney, Fort Worth, Tex.
Application April 26, 1939, Serial No. 270,233
4 Claims. (Cl. 34—26)



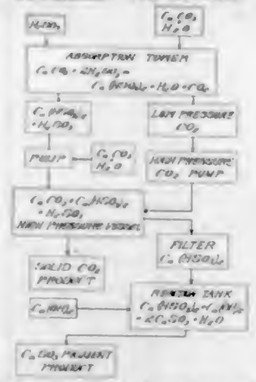
4. A device for use during a hair drying operation comprising a couch having a frame, one end portion of said frame being movable vertically about a horizontal axis intermediate of said frame, a cushion supported on said portion, said portion and cushion having openings extending vertically therethrough in alinement, a sheet of flexible net material extending over the top of said opening and supported thereabout on said cushion and disposed in shallow dish-like formation to support the head of the occupant of said couch whose hair has been dressed and is damp so that air can be blown against said hair and through said net and openings.

2,235,530
SECURING MEANS
Claude H. Mercer, Whittier, Calif.
Application March 11, 1939, Serial No. 261,246
4 Claims. (Cl. 85—8)



1. Means for securing a plate to a support, the plate and support having registering openings, said means including a pin to be passed through said openings to project from the rear side of the support, a head on the pin to engage the face of the plate, the projecting rear portion of the pin having longitudinally spaced circumferential grooves, a washer to be arranged on the projecting rear portion of the pin, a coiled spring to be arranged on the pin between the washer and the rear side of the support, and a keeper to be removably engaged in any one of the grooves to lock the washer against rearward movement in a position where the spring is under compression to urge the head rearwardly against the plate.

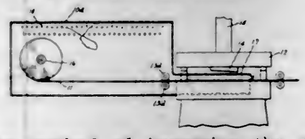
2,235,531
METHOD OF PRODUCING PAPER FILLER
Joseph E. Plumstead, Wilmington, Del., assignor, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware
Application September 4, 1931, Serial No. 561,241
14 Claims. (Cl. 23—122)



2. The herein described method of producing calcium sulfate without requiring the use of calcium hydroxide, comprising adding calcium hypochlorite solution to a calcium bi-sulfite solution, to produce a calcium sulfate suspension in an acid calcium bi-sulfite solution, and filtering the acid calcium bi-sulfite solution from the calcium sulfate product.

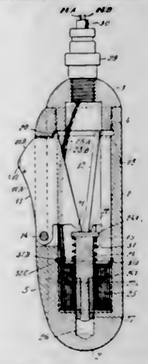
7. The herein described method of producing a substance of improved qualities for use as a paper making filler or for other uses, comprising treating a suitable lime material with sulfur dioxide gas in the presence of water to produce calcium bi-sulfite solution, filtering and clarifying the calcium bi-sulfite solution to remove insoluble impurities, reacting the filtered clear solution with a pure milk of lime suspension to precipitate a calcium sulfite product and allowing the calcium sulfite suspension thus formed to stand for sufficient time for completion of the reaction and then making it slightly acid with additional material.

2,235,532
METHOD FOR SHEARING NORMALLY BRITTLE SHEET METAL
Robert T. Reardon, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 29, 1938, Serial No. 232,326
3 Claims. (Cl. 164—17)



1. The method of improving the magnetic properties of punchings of ferro-magnetic material which comprises heating such material in sheet form at a temperature above 400° C. and below a temperature which would materially deform the sheet for a period of time sufficient to improve its magnetic properties, cooling the heated sheet material, to a temperature ranging from well above room temperature to 200° C., heating at least the cutting edges of a punch press to approximately the same temperature as that of the sheet material immediately before being punched, and then punching the thus treated material to form punchings thereof.

2,235,533
MEASURING CROSS SECTION OF PASSAGES
Ingham S. Roberts, Ridley Park, Pa.
Application January 13, 1939, Serial No. 250,763
7 Claims. (Cl. 33—178)



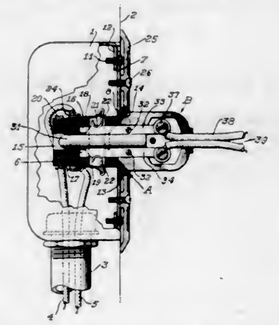
1. Tube calipering apparatus of the character described comprising a measuring head having caliper fingers mounted thereon and adapted for introduction into a tube to be calipered, at least one of said fingers being mounted to move independently of the other fingers in a direction substantially radial with respect to the tube to be calipered, a solenoid coil mounted in said measuring head, a core of magnetic material directly and operatively connected with said movable finger and adapted to longitudinal movement relative to said solenoid coil in response to movement of said movable finger, and means urging said movable finger into engagement with the inner wall of the tube to be calipered.

2,235,534
COMPOSITION OF MATTER AND METHOD OF MAKING SAME
Kenneth Lyman Russell, Nutley, N. J., and Adam Carr Bell, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application February 11, 1939, Serial No. 255,854
24 Claims. (Cl. 260—400)

7. The process of preparing novel organic compounds which comprises reacting a compound having a saturated butylene oxide ring with a substance capable of yielding a fatty acid on hydrolysis and a sulphonating agent.

9. The process of preparing novel organic compounds which comprises reacting tetrahydrofurfuryl alcohol with a strong mineral acid and a material of a class consisting of carboxylic acids, alcohols, phenols, and a substances capable of yielding such materials on hydrolysis, to yield a substituted polyhydric alcohol derivative of the mineral acid.

2,235,535
ELECTRIC PLUG AND RECEPTACLE
Charles J. Saunders, Los Angeles, Calif.
Application July 19, 1938, Serial No. 219,991
2 Claims. (Cl. 173—330)



1. An electric circuit connector comprising in combination: a plug including a handle member, a stem projecting outwardly from said handle, a plurality of bevel ended terminals on said handle member projecting outwardly therefrom and radially disposed relative to said stem, and a notch in the outer face of each of said terminals; and a receptacle including a body member having a bore therein for receiving said stem, a cone shaped depression formed in the front face of said body member with the axis thereof aligned with the axis of said bore for receiving said stem and guiding said plug into alignment with said receptacle, the angle of said cone-shaped depression being substantially equal to the angle at which the ends of said terminals are beveled whereby scratching of the surface of said cone-shaped depression by the ends of said terminals is obviated, a plurality of radially disposed recesses in said body member disposed about said bore and communicating with the surface of

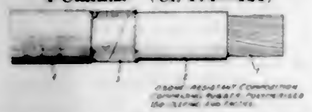
said cone-shaped depression and with said bore for receiving said terminals, horizontally disposed resilient terminal connector strips secured to the exterior of said body member and having transversely disposed contacting portions thereof extending into said recesses to enter said plug terminal notches, said contacting portions comprising semi-cylindrical portions formed by bending said strip back upon itself on a radius substantially longer than the thickness of said strip.

2,235,536

ELECTRICAL CABLE

Manuel H. Savage, Bridgeport, and Lyman H. Hitchcock, Milford, Conn., assignors to General Electric Company, a corporation of New York

Application June 8, 1938, Serial No. 212,478
4 Claims. (Cl. 174—121)



1. An electrical cable comprising an electrical conductor with insulation thereon comprising the vulcanized product of

	Per cent by weight
Rubber and polymer	20 to 35
Factice	40 to 65
Filler	Up to 25
Sulfur	Up to 3

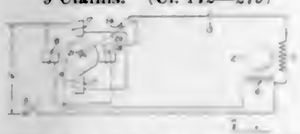
said polymer being a high molecular weight linear polymer of an iso-olefine and the said rubber and polymer being associated in the ratio of, by weight, 1 part polymer to 1 to 2 parts rubber.

2,235,537

PHASE RELAY CONTROL FOR SPLIT PHASE MOTORS

Edward J. Schaefer, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application September 13, 1939, Serial No. 294,645
9 Claims. (Cl. 172—279)



1. A split phase motor having main and starting windings, a two-position switch for modifying the starting winding connections, means for biasing said switch towards one of its positions, and a relay responsive to the change in the phase relation of the currents in the main and starting windings of the motor between starting and running conditions for controlling said switch.

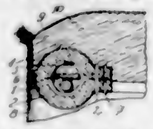
2,235,538

MATTRESS OR CUSHION

Anthony J. Schob, Chicago, Ill., assignor to Nachman Springfilled Corporation, Chicago, Ill., a corporation of Illinois

Application January 9, 1939, Serial No. 249,856
2 Claims. (Cl. 5—351)

1. An edging for spring assemblies for upholstery, comprising a strip of padding material adapted to be folded to embrace a peripheral edge of such an assembly, and a strip of fabric substantially coincident in width and of the same length as said padding strip and equipped midway between its side edges with a flute defining the normal line of fold of said padding strip dis-



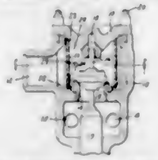
posed over one face of the latter and secured along its side edge portions to the side edge portions of said padding strip, with said flute projecting outwardly from the outer face of said fabric strip.

2,235,539

STRAINER ARRANGEMENT

Arthur R. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 30, 1938, Serial No. 227,513
1 Claim. (Cl. 183—73)



A strainer arrangement for removing solid substances from elastic fluid flowing at high velocity compising a cylindrical casing having inlet means and an outlet coaxial with said casing, the center lines of the inlet means and the outlet being disposed at right angles, a strainer including a cylindrical screen disposed within the casing and forming therewith an annular channel having two halves for receiving fluid from the inlet means, the inlet means being arranged on one side of the casing to discharge fluid in two parallel streams into the two halves of the annular channel, a rib in the channel integral with the casing disposed transversely of the fluid stream substantially diametrically opposite the inlet means to prevent solid matter forced into the annular channel from being thrown back and forth toward the screen by the action of fluid flowing at high velocity in two parallel streams through the two halves of the annular channel.

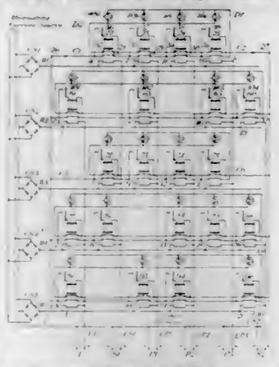
2,235,540

CONTROL SYSTEM FOR ALTERNATIVE SOURCES OF SUPPLY OF ELECTRIC CURRENTS

Sydney Arthur Stevens, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 18, 1938, Serial No. 185,574
In Great Britain January 22, 1937
7 Claims. (Cl. 171—97)

1. In a control system for alternative sources of supply of electric current for a plurality of load circuits the combination comprising, a series of electromagnets for each source with each such series including an individual electromagnet for each load circuit to which the respective source is to be connected, a contact operated by each electromagnet when energized to connect the respective source to the respective load circuit, a control circuit for each of said series of electromagnets, and manually operable interlocked circuit means for each of said series of electromagnets operable to connect any one and only one of the electromagnets of the series with the respective control circuit to energize that electro-



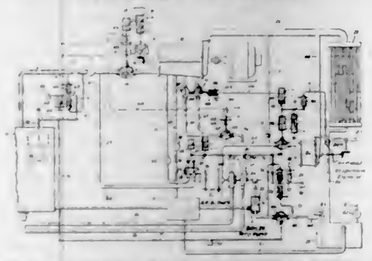
magnet whereby any one of the sources can be connected to a load circuit and each source can be connected to only one load circuit at any one time.

2,235,541

TURBINE POWER PLANT ARRANGEMENT

Glenn B. Warren, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application July 1, 1938, Serial No. 216,941
17 Claims. (Cl. 60—96)



1. In a power plant, the combination of a boiler, a main turbine connected to said boiler, a first auxiliary turbine connected to said boiler, a second auxiliary turbine operable independently of said first auxiliary turbine, a connection for supplying elastic fluid from said first auxiliary turbine to said second auxiliary turbine, and a conduit extending from an intermediate stage of said main turbine to the connection between said auxiliary turbines whereby the pressure in said connection is maintained substantially at the pressure prevailing in said intermediate stage.

16. The combination of a main turbine, a first turbine, a second turbine, a conduit connecting the first and the second turbines in series, and other conduit means including valves for alternately connecting the first conduit to higher and lower intermediate stages of the main turbine.

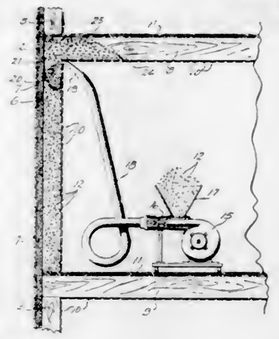
2,235,542

BUILDING INSULATION

Amanda Wenzel, Fox Point, Wis.

Continuation of application Serial No. 412,057, December 6, 1929. This application August 24, 1937, Serial No. 160,649
3 Claims. (Cl. 72—16)

3. The method of insulating walls, ceilings and the like which consists in forming a mixture of comminuted paper and asbestos, blowing said mixture without moisture into the space therein,



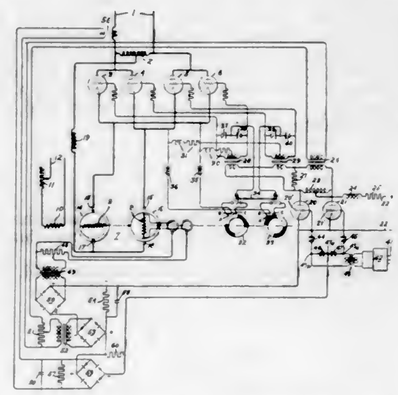
and floating the particles of said mixture into light mutual contact to form a loose non-compacted mass substantially filling said space.

2,235,543

ELECTRIC VALVE CIRCUIT

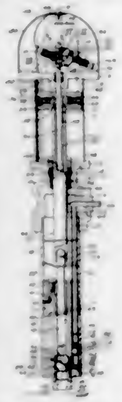
Willem F. Westendorp, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 16, 1939, Serial No. 256,683
10 Claims. (Cl. 172—274)



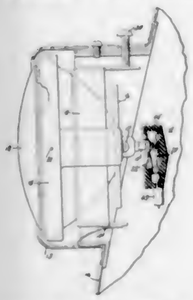
1. The combination of a source of power, a dynamo-electric machine, an electric valve converting apparatus interconnecting said machine with said source, a control circuit for said valve converting apparatus including a source of variable phase control voltage, means for producing a positive bias responsive to an electrical condition of said machine, means for producing a negative bias responsive to the current supplied to said valve apparatus, a source of constant positive bias, means for combining voltage components from said sources of bias voltages to control the phase of said source of control voltage, and means for varying the relative amounts of the voltage components so combined thereby to produce certain predetermined output characteristics of said dynamo-electric machine.

2,235,544
GREASE PUMP
Frank E. Wold, Santa Monica, Calif., assignor of one-half to Donald E. Woolard, Los Angeles County, Calif.
Application June 20, 1938, Serial No. 214,805
4 Claims. (Cl. 103—50)



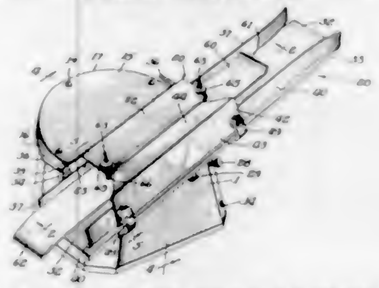
1. In a device of the character described, a pair of vertically arranged cylinders, a tubular spacer structurally interconnecting the cylinders to hold them substantially in vertical alinement and at predetermined spacing, a pair of pistons, one in each cylinder, connected for coincident reciprocation, means whereby pressure fluid may be alternately admitted to and exhausted from the ends of the upper cylinder to reciprocate the pistons, there being a valved grease-inlet and a grease-outlet for the lower cylinder, both inlet and outlet being near the bottom of the lower cylinder, a check valve for the outlet, and a discharge line extending upwardly from said outlet and within the spacer.

2,235,545
ELECTRICAL CONNECTOR
William R. Young, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application October 31, 1939, Serial No. 302,176
3 Claims. (Cl. 173—269)



2. A connector for use with a contact prong comprising a U-shaped metallic plate having a face portion and opposed arms, said plate having a keyhole slot in the face portion thereof, and a substantially V-shaped backing member, one of the legs of the V forming a base engaging the opposed arms to secure said plate and backing member together, the other leg of the V being disposed between the face portion of said plate and said base for engaging the face of a contact prong when mounted in said keyhole slot.

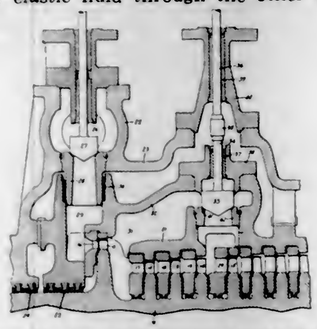
2,235,546
SLICING MACHINE
Arthur H. Ahrndt, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application April 29, 1938, Serial No. 205,013
4 Claims. (Cl. 146—73)



1. A slicing machine comprising a casing having an inclined top, a motor mounted in the casing, an inclined knife parallel to the casing top detachably mounted on the shaft of said motor and adapted for vertical adjustment thereon, a housing carried by the casing and having parts parallel with the knife and top extending above and below the knife, a chute base parallel with the knife and top mounted above the casing, a chute support fixed to the base, a supporting bracket member carried by the casing and adjustably engaging the chute support whereby the base may be raised or lowered manually in planes parallel to the knife and top, means for locking the support in adjusted position with respect to the bracket member, screw means engaging a part of the casing and engaging the chute base to permit fine vertical adjustment of the base, chute side walls carried by the chute base including separate bracket members carried by the base member, means for slidably supporting each of the side walls to separate bracket members, means for locking the side walls in position, a chute top carried by a part of the housing, and means for locking the top in adjusted position with respect to the housing.

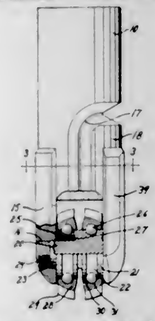
2,235,547
ELASTIC FLUID TURBINE
Walter E. Blowney, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 17, 1938, Serial No. 214,369
2 Claims. (Cl. 253—69)

1. Multi-stage double shell elastic fluid turbine comprising an inner casing, a rotor forming a plurality of stages and having a shaft sealed to the inner casing, an outer casing surrounding and spaced from the inner casing and sealed to the rotor shaft, means for conducting elastic fluid to the first stage comprising a channel formed partly in the outer and partly in the inner casing, a valve for controlling the flow of fluid through the channel, another channel formed in the space between the two casings to constitute a bypass for conducting elastic fluid discharged from a higher stage to a lower stage, and valve means in the other channel for controlling the flow of elastic fluid through the other channel



to control the load distribution among the several turbine stages at a given total load.

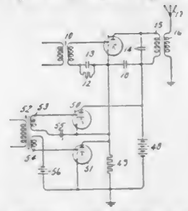
2,235,548
BIT FOR DRILLING WELL BORES
John F. Bozeman, Houston, Tex., assignor of five per cent to B. C. Connell, five and sixty-two and one-half one-hundredths per cent to Glen Myers, seventeen and twenty-five one-hundredths per cent to C. W. Hotchkiss, Jr., and twenty-nine and one hundred and twenty-five thousandths per cent to W. T. Touchton, all of Houston, Tex., and five per cent to T. C. Ward, Pittsburgh, Pa.
Application April 1, 1940, Serial No. 327,185
11 Claims. (Cl. 255—71)



1. A drill bit including, a body having a cutter support thereon, a hanger secured to the body, an axle disposed transversely between and carried by the cutter support and the hanger, annular bearing members carried by the axle, cutter disks mounted on said members, bearing balls interposed between said members and disks, and means for inserting said balls between the members and disks after the disks have been mounted on said members.

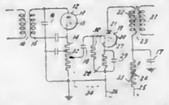
2,235,549
MODULATOR
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 15, 1939, Serial No. 309,442
12 Claims. (Cl. 179—171.5)

1. In a power supply for an amplifier through which a carrier wave is transmitted to be modulated by a signal, the combination of means for applying an operating voltage to said amplifier, said means comprising a source of operating potential and an impedance in series with said source, means for by-passing said carrier wave around said first means, means in shunt to said impedance for transmitting current therearound on one half cycle of said signal to increase said



voltage, and means in shunt to said source and said impedance to transmit current from said source through said impedance on the other half cycle of said signal to decrease said voltage, whereby the carrier wave generated in said amplifier is varied in amplitude in response to said signal.

2,235,550
AMPLIFIER
George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 15, 1938, Serial No. 240,504
11 Claims. (Cl. 179—171)

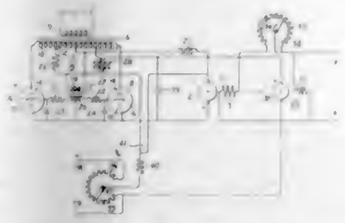


1. An amplifier, comprising an electron discharge device having an anode, a cathode, and a grid, a source of variable signal electromotive force connected between said grid and cathode, an output circuit connected between said anode and cathode, said source including noise electromotive forces to be limited in said amplifier, means to supply negative bias potential to said grid and positive operating potential to said anode, and means to increase and decrease both said bias potential and anode operating potential simultaneously in response to corresponding increase and decrease in intensity of said signal electromotive force whereby the amplitude range capability of said amplifier is varied in accordance with the intensity of signal currents to be amplified and noise currents are limited to the instant amplitude capability of said amplifier.

2,235,551
ELECTRIC CONTROL SYSTEM
George W. Garman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application November 24, 1937, Serial No. 176,281. Divided and this application July 15, 1938, Serial No. 219,381
5 Claims. (Cl. 171—119)

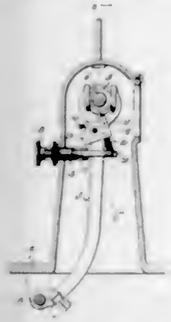
1. In combination, an alternating current supply circuit, a dynamo-electric machine having excitation and armature circuits, electric translating apparatus for energizing at least one of said circuits from said alternating current circuit and comprising an electric valve means having a control member, an impedance phase shifting circuit comprising an inductive saturable reactance for impressing on said control member a periodic voltage variable in phase relative to the

voltage of said alternating current circuit to control the conductivity of said electric valve means, said saturable reactance having a control winding, a pilot generator for producing a unidirectional voltage which varies in magnitude in accordance with a predetermined controlling influence derived from said first mentioned machine for variably energizing said control winding, means for producing a substantially constant unidirectional reference voltage which is greater in



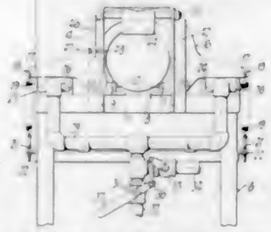
magnitude than the voltage of said pilot generator, anti-hunting means comprising a capacitance responsive to the rate of change of an electrical condition of said excitation or armature circuits and a resistance connected in series relation with said capacitance, and a unidirectional conducting device connected in circuit with said control winding and said resistance to assure that only unidirectional current is transmitted to said control winding during voltage variations of said pilot generator.

2,235,552
SEWING MACHINE
Grant G. Gilbertson, Milwaukee, Wis.
Application February 9, 1940, Serial No. 318,026
2 Claims. (Cl. 112—210)



1. In a sewing machine including a hollow column, a driven shaft journaled in said column, and an oscillating and reciprocative arm operatively connected with said shaft for actuating a feed mechanism; a stitch regulating and reversing mechanism mounted in said column and comprising, a guide block pivotally mounted in the column for effecting longitudinal reciprocative movement of said arm during oscillation imparted thereto by said driven shaft, a sleeve threaded in said column, an adjustable shank slidably mounted in said sleeve, an arm connecting said block and shank, and resilient means for releasably holding said block in adjusted position.

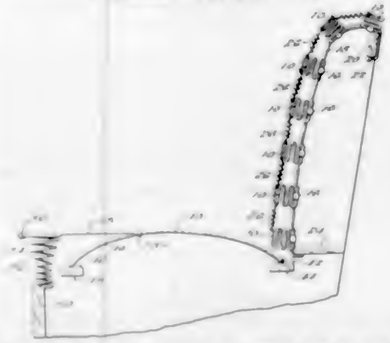
2,235,553
PIPE-FORMING MACHINE
Frederick W. Haversack, Sacramento, Calif., assignor of one-half to Sacramento Pipe Works, Sacramento, Calif., a corporation of California
Application November 8, 1937, Serial No. 173,424
5 Claims. (Cl. 153—44)



1. A pipe-forming machine comprising a frame, means on said frame for supporting a substantially circular-cylindrical pipe section, a plurality of pairs of offset separate levers pivoted on said frame to turn about a pair of axes on opposite sides of and parallel to the axis of said section, each of said separate levers having an arcuate portion of substantially the radius of said section and having sufficient length to overlap its opposite lever, and means for individually pressing each of said separate levers against said section with substantially uniform pressure.

5. A pipe-forming machine comprising a frame, means on said frame for supporting a substantially circular-cylindrical pipe section solely by exterior engagement therewith, mutually approachable members on said frame and distinct from said supporting means for constricting said pipe section, and means on said frame for longitudinally confining said pipe section during constriction thereof.

2,235,554
SPRING CONSTRUCTION
Henry Hopkes, Grosse Pointe, and Andrew Mouw, Ann Arbor, Mich., assignors to No-Sag Spring Company, Detroit, Mich., a corporation of Michigan
Application March 26, 1937, Serial No. 133,112
7 Claims. (Cl. 155—179)



2. A seat construction including a frame structure having first and second oppositely disposed spaced side portions disposed in different horizontal planes and a third supporting portion intermediate said first and second portions and above said first portion, a plurality of resilient spring strips spanning said second and third portions and having their ends connected thereto respectively, and a plurality of additional spring elements for providing a soft edge for said seat, said additional elements having one end thereof connected to said first portion and having the other end thereof connected to said first mentioned spring elements.

2,235,555
HORIZONTALLY FLOATING CAR COUPLER
Paul C. Koch, New Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application October 28, 1938, Serial No. 237,427
9 Claims. (Cl. 213—104)



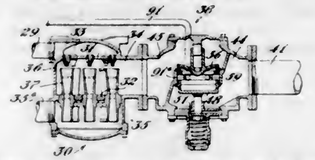
1. In toy car construction in combination, a wheel truck having a car carrying table, a car floor structure resting on said table having an end apron containing a horizontally elongated aperture of limited vertical height, a draw bar beneath said carrying table of the wheel truck projecting from the latter and through said aperture in said apron, a coupler carried by said draw bar on the opposite side of said apron from said truck, a pivot device extending through the truck table the car floor and the draw bar, and means preventing the horizontal swinging of said draw bar relative to said truck constructed and arranged to permit tilting of said draw bar relative to said truck table thereby to permit said draw bar to be elevated in said apron aperture sufficiently to effect disengagement of said coupler with respect to the corresponding coupler of an adjacent car.

8. In toy car construction, in combination, a wheel truck having a car carrying table, a draw bar face-to-face with the under surface of said table and projecting from the wheel truck, and a pivot device extending through the truck table and the draw bar constructed to hold the same axially together in a manner to permit free swinging movement and limited tilting movement of said draw bar relative to said truck, said truck table having a projecting tongue and said draw bar having a hole engageable by said pivot device together with a slot engageable by said tongue in a manner to permit said tilting movement and to prevent relative swinging movement between said truck table and said draw bar.

2,235,556
CALCIUM FERRITE PREPARATION
Harley C. Lee, Columbus, Ohio, assignor to Basic Dolomite, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 18, 1939, Serial No. 251,591
3 Claims. (Cl. 106—9)

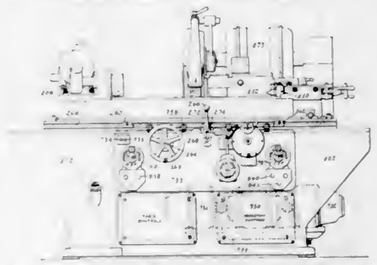
1. In a process of the character described, providing dolomite grains with a permanent bond of calcium ferrite by reacting lime with iron oxide in the substantial absence of dolomite, comminuting the reaction product and mixing in small amount with the grains of dolomite.

2,235,557
BOILER FEEDING APPARATUS
Dartrey Lewis, Boston, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Original application May 17, 1937, Serial No. 143,131. Divided and this application November 16, 1938, Serial No. 240,632
4 Claims. (Cl. 261—76)



4. A feed water heater for use in a boiler feed system, said heater comprising a drum-like casing having transverse septums defining an inlet chamber, an intermediate chamber and a delivery chamber, respectively, a plurality of water delivery nozzles mounted in openings in the septum which separates the inlet and intermediate chambers, a similar number of convergent-divergent ejector tubes mounted in openings in the septum which separates the intermediate and delivery chambers, each nozzle being in axial alignment with a corresponding tube, the nozzle throat diameter being substantially one-fourth the diameter of the corresponding tube throat, means for delivering water under pressure to the inlet chamber, means for delivering heating steam to the intermediate chamber, means providing an outlet from the delivery chamber, and pressure-loaded valve means operative automatically to keep the fluid pressure in the outlet from the delivery chamber substantially equal to the pressure of the heating steam whereby, throughout a substantial range of jet pressures, the water can be maintained at a temperature which is within approximately 10° of that of the steam employed in heating it.

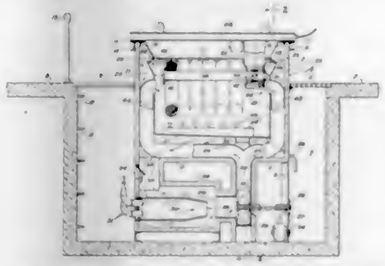
2,235,558
GRINDING MACHINE
Maxwell I. Mathewson and August L. Krause, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Original application November 14, 1935, Serial No. 49,772. Divided and this application October 4, 1937, Serial No. 167,190
34 Claims. (Cl. 172—240)



1. In a grinding machine having a table reciprocable longitudinally for effecting relative translatory feeding movements of the grinding wheel and work, the combination with the table, of means for reciprocating the table between limiting positions at a uniform rate of travel and for stopping and for starting the table from said

positions, said means including an element shiftable to bring said table to a quick stop, adjustable dogs on said table to actuate said shiftable element, and an electrically controlled mechanism to start movement of the table in the reverse direction after a predetermined period of dwell.

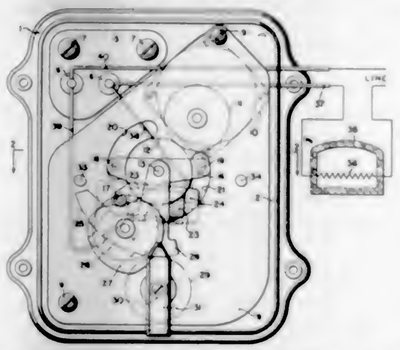
2,235,559
ROD BAKING METHOD AND MEANS
Carl F. Mayer, Lakewood, Ohio
Application August 17, 1938, Serial No. 225,493
11 Claims. (Cl. 34—19)



1. A rod baker comprising a chamber open at the top to the atmosphere, means for supporting rod therein, circulating means for delivering heated gases to the chamber and drawing off said gases across the chamber adjacent the top thereof, and means for delivering a blast of fluid to the bottom of the chamber.

10. The method of baking rod which consists in supporting coils of coated rod on a shaft of considerably smaller diameter than the internal diameter of said coils within a heated chamber and rotating said shaft thereby to impart a relatively slower rotary movement to the coils.

2,235,560
INTERRUPTER
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 24, 1938, Serial No. 231,465
7 Claims. (Cl. 200—32)



1. A timer comprising in combination with a switch, a tiltable support therefor, a projection on said support, a cam adapted to engage said projection, means to rotate said cam, and means to shift said cam through an arc concentric with the path of movement of said projection.

2,235,561
PROCESS FOR THE MANUFACTURE OF METHYL KETENE AND PROPIONIC ANHYDRIDE
Gale F. Nadeau and Carl J. Malm, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 5, 1937, Serial No. 129,242
9 Claims. (Cl. 260—546)

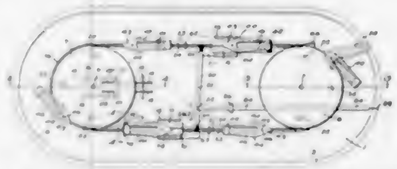
4. The process for the manufacture of propionic anhydride and acid which comprises preparing vapors containing substantial amounts of methyl ketene and contacting said vapors with acetic acid containing an acetylation catalyst.

6. In a process for the manufacture of methyl ketene, the step which comprises passing methyl ethyl ketene through a stainless steel pyrolysis tube maintained at a temperature between 500° C. and 800° C. in less than 3 seconds.

2,235,562
METHOD FOR PRODUCING CHLORINATED KETONES
Emil J. Rahrs, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 1, 1938, Serial No. 228,007
5 Claims. (Cl. 260—593)

1. A continuous process of chlorinating aliphatic ketones which comprises introducing chlorine and a gaseous ketone into a reaction chamber, substantially continuously removing the product in liquid condition as soon as reaction has occurred, immediately passing the product through a heated vertical rectifying column, whereby at least a portion of the constituents, volatile at the temperature of the column, are removed and directly returned to the reaction chamber, and collecting the chlorinated product at the bottom of said column in a cooled chamber.

2,235,563
AMUSEMENT DEVICE
Herbert N. Ridgway, Winthrop, Mass.
Application April 14, 1939, Serial No. 267,808
2 Claims. (Cl. 104—73)



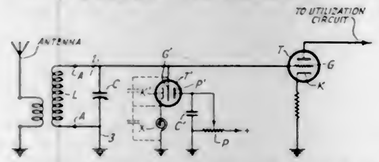
1. Amusement apparatus comprising a tank of water and a plurality of passenger carrying boats adapted to float thereon each boat having substantial length, breadth, and depth, with capacity for carrying a plurality of passengers therein; driving means for said plurality of boats pivotally connected to each boat at a point forward of its lengthwise center and adapted to draw said boats around a predetermined path in said tank, movable mechanism arranged in the line of travel of said boats and normally permitting each boat to float freely over said mechanism, and means operable at will to force said mechanism in contact with any one of said boats to cause them to rise from their normal displacement in the water during the continual travel thereover to produce a jumping effect on each boat independently of each other, said pivotal driving connection to each boat controlling the sidewise rocking of each boat independently of each other boat and irrespective of its load of passengers.

2,235,564
PRUNING IMPLEMENT
John G. Rieff, London, Wis.
Application March 29, 1939, Serial No. 264,719
1 Claim. (Cl. 30—246)



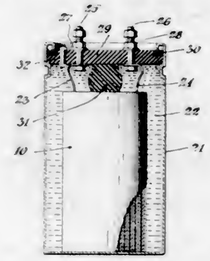
A pruning implement comprising, a manipulating handle, a forwardly extending arm on the handle, a hook including a shank arranged in parallel relation to the arm, spaced parallel links pivotally connecting the shank to the arm, a forwardly projecting cutting blade carried by one of the links and movable into operative engagement with the inner edge of the hook when the hook and handle are moved in opposite directions, a bent-back guide for the free end of the blade carried by the outer end of the hook, spring means normally holding the hook in a lowered position and the shank against the arm, said spring means including a guide rod pivotally connected to one of the links, a guide eye on the arm slidably receiving the rod, a head on the lower end of the rod, and an expansion spring on the rod confined between the head and the eye.

2,235,565
TUNED CIRCUIT SYSTEM
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 7, 1939, Serial No. 249,749
8 Claims. (Cl. 178—44)



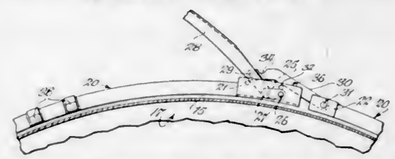
5. A two-terminal negative resistance device operative over a wide range of frequencies comprising a pair of terminals one of which is directly connected to a point of fixed alternating current potential, a pair of capacity reactances connected in series between said terminals, an electron discharge device having a grid directly connected to one terminal, a cathode connected to the junction of said capacity reactances, and a plate connected to the other terminal, means for producing a direct current flow between cathode and plate, and means for adjusting said current with a consequent control of the negative resistance between said terminals.

2,235,566
ELECTROSTATIC CONDENSER
Samuel Ruben, New Rochelle, N. Y.
Application July 21, 1939, Serial No. 285,652
7 Claims. (Cl. 175—41)



1. An electric capacitor having armatures and a dielectric material consisting to a substantial extent at least of dimer of di-hydronaphthalene.

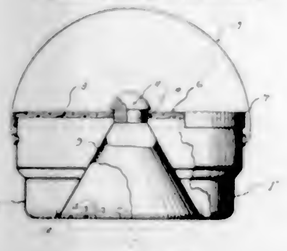
2,235,567
CLOSURE SECURING RING
Charles Sabatt and Daniel F. Manion, Jr., Oil City, Pa., assignors to Rouseville Cooperage Company, Rouseville, Pa., a corporation of Pennsylvania
Application March 31, 1939, Serial No. 265,220
3 Claims. (Cl. 220—61)



1. A ring for removably securing a cover upon a receptacle, said ring being split and having the adjacent ends spaced apart, a lever which is movable to a retracted position to contract said ring, the inner end of said lever terminating in a fork, a pair of parallel spaced-apart links between which the terminal portions of the branches of said fork extend, each of said links having one end pivotally connected to one end of said ring, the other end of one of the links being pivotally connected to one of the branches of said fork and the corresponding end of the other of said links being pivotally connected to the other of said branches, a third link having one end extending between and pivotally connected to the branches of said fork in spaced relation with respect to the pivotal connections of said branches with said links and the other end of said link being pivotally connected to the other end of said ring, the connections of the branches of said fork with said pair of links providing a pivotal axis about which said lever is moved to contract said ring, said links being adjustable about their connections with said first mentioned ring and to pre-locate said pivotal axis at either side of said last named connections at substantially the same distance from the common axis of the receptacle and ring, whereby the degree of contraction effected by said lever may be varied by adjusting said pair of links to either

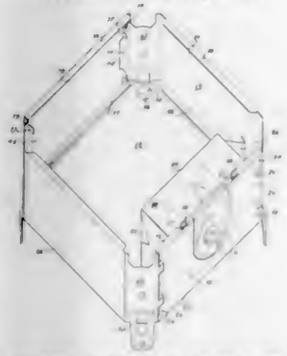
of the positions described prior to the operation of the lever and means for locking said lever in its retracted position.

2,235,568
ASH TRAY
Michael Soens, Racine, Wis.
Application February 2, 1940, Serial No. 316,969
2 Claims. (Cl. 131—235)



1. An ash tray comprising, a receptacle, a compartment in the receptacle for the reception of cigar and cigaret butts, the tray having an ash compartment around the butt compartment, a removable cover for the receptacle having a plurality of openings therein, a reduced neck on the butt compartment extending through the cover, and a removable stopper for the neck.

2,235,569
ELECTRIC APPLIANCE CASING
William A. Barnes, Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc., a corporation of Ohio
Application July 10, 1939, Serial No. 283,607
8 Claims. (Cl. 219—37)

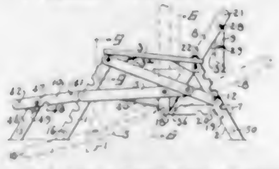


1. An electric hot plate adapted to be heated by a heating brick and controlled by an electrical switch comprising, in combination, a die stamped rearward wall having top and bottom edges turned inward, two die stamped side walls having their top and bottom edges turned inward and each having a pair of leg members with tabs therein, a die stamped forward wall having a hole therethrough whereby said switch may be controlled and having top and bottom edges turned inward, said top and bottom inward turned edges of said forward wall having slots therethrough, a die stamped top portion having a central depressed portion adapted to receive said heating brick, said top portion having edges turned inward, die stamped leg members having top portions adapted to engage the inside of said top portion and having slots adapted to receive parts of the inwardly turned edges of said top portion, said die stamped leg members covering said side wall leg members and having tabs which engage said side wall leg members, a heat shielding member adapted to shield said electric switch, said heat shielding member having tabs adapted to pass through said slots in the turned edges of said die stamped forward wall, and a bottom member adapted to engage the bottom inwardly turned edges of said rearward, sideward and forward walls and held in place by contact with said tabs on said side wall legs and by contact with said tabs on said heat shielding device.

2,235,570
PROCESS FOR THE MANUFACTURE OF 1,4,5,8 - TETRA - AMINO - ANTHRAQUINONE
Pierre Bludow, Lyon, France, assignor to Societe "Rhodiaceta," Paris, France
No Drawing. Application December 23, 1938, Serial No. 247,406. In France December 24, 1937
3 Claims. (Cl. 260—378)

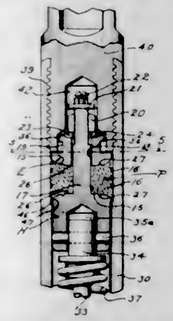
3. A process for the preparation of 1,4,5,8-tetra-amino-anthraquinone, consisting in treating 1,4,5,8-tetra-chloranthraquinone with ammonium phthalate formed in situ from ammonia and a member selected from the group consisting of phthalic acid and phthalic anhydride in an excess of phthalic anhydride as reaction medium in the presence of metallic copper and then hydrolysing the condensation product obtained.

2,235,571
COMBINATION CHAIR AND COT
Alfred E. Brandon, New York, N. Y.
Application April 1, 1939, Serial No. 265,423
7 Claims. (Cl. 155—45)



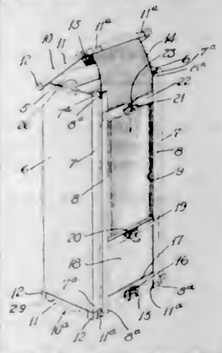
1. In a combination adjustable reclining chair and cot, arm rests each having projections below pivoted to spaced front and rear legs, pivotally connected side braces having their ends pivoted to the front and rear legs, reverse braces having one end pivoted to the pivotal connection of the said first braces and a cross bar connecting the other ends constituting thereby the front end of a seat frame, recesses spaced in the front legs for engagement with the cross bar, link elements pivoted to the reverse braces, a back rest frame pivoted to link elements, a cross bar connecting the link elements to serve as rear end of the seat frame, means connecting the said front and rear ends of the seat frame to form the seat portion and bracing the lower end portions of the link element to the front legs, adjustable connections between the upper portions of the arm rests, top portions of the rear legs and side portions of the back rest frame to secure the back rest frame in adjusted positions on the arm rests and rear legs respectively and bracing the rear end of the seat in the positions the back rest frame assumes on the arm rest and rear legs, a foot rest frame pivoted to the cross bar of the reverse braces so that, when the seat and back rest frame are aligned in a forwardly-inclined adjusted position, said foot rest frame is supported on the lower portion of the front legs and serves as a seat element.

2,235,572
SEALING DEVICE
Joe W. Culbertson, West Hollywood, Calif., assignor to Technical Oil Tool Corporation, Ltd., a corporation of California
Application August 19, 1938, Serial No. 225,770
4 Claims. (Cl. 138—89)



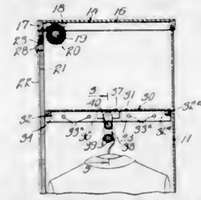
1. In combination; a tubular housing; a sealing device insertable into the housing including an elastic packer; an inner head at the inner side of said packer, an outer head at the outer side of said packer, a collar on the outer head, a stem on the inner head extending through the packer, outer head and collar, a nut threaded on said stem to engage said collar and move the outer head inwardly to displace the packer into sealing engagement with the housing, stem and heads; coacting means on the housing and head for limiting inward movement of the inner head; and a plug threaded in the housing and having a recess to freely accommodate the stem, nut and collar and yet abut the outer head so that by inward threading of the plug inward movement of the outer head can be effected independently of said nut.

2,235,573
DUPLEX DOOR CABINET
Harry Derman, Laurelton, Long Island, N. Y.
Application April 5, 1939, Serial No. 266,069
6 Claims. (Cl. 312—190)



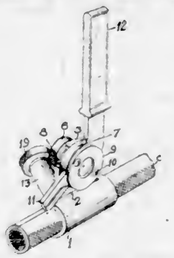
4. In a knock down cabinet of the class described having a front door opening bordered on two sides by vertical rails having guide channels and at upper and lower ends by detachable top and bottom walls, two door members slidably engaging said channels, one of said door members being composed of flexible material, one end portion of said door being mounted upon a roller supported on the inner surface of the top wall adjacent the forward edge thereof, and the other free end of said door member having a reinforcing strip slidably engaging said channels, the other door member having top and bottom reinforcing strips, interengaging coupling devices on the bottom strip and the bottom wall of the cabinet for retaining the last-named door in closed position, other interengaging devices on the outer surface of the adjacent reinforcing strips of both door members when in closed position for coupling said door members whereby both door members may be collectively moved in said channels and whereby said flexible door member only may be raised and lowered in controlling the door opening.

2,235,574
TOP SHELF PORTABLE CLOSET
Harry Derman, Laurelton, Long Island, N. Y.
Application July 14, 1939, Serial No. 284,419
4 Claims. (Cl. 312—144)



4. In a knockdown closet of the character described comprising detachably coupled parts, one of said parts comprising collapsibly related rear and side walls of the closet, elongated strips permanently secured to inner opposed surfaces of the side walls in spaced relation to the upper ends thereof and collapsible with said walls, a shelf, a garment hanger supporting unit for arrangement within said walls of the cabinet, means on said strips, said shelf and unit for detachably supporting the shelf and unit on said strips and to extend between said side walls, and the means coupling the hanger unit with said strips comprising hook-shaped brackets on the unit engaging central recessed portions in said strips.

2,235,575
CABLE STRIPPING TOOL
Thomas Edwards, San Francisco, Calif.
Application January 8, 1940, Serial No. 312,850
4 Claims. (Cl. 30—91)



1. In a cable stripping tool, a sleeve adapted

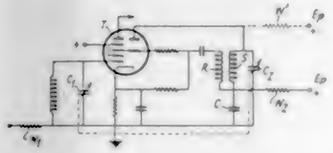
to be slidably mounted on a cable which is to be stripped of its sheathing, a knife blade adjustably mounted on the sleeve, handle means secured to the knife blade for moving the said knife blade to a position engaging with the sheathing of the cable or to a non-engaging position with respect to said cable, the said handle means secured to the knife blade being adapted for use in drawing the sleeve and knife blade along the cable, whereby the knife blade may be actuated to slit the cable longitudinally.

2,235,576

OSCILLATOR-MODULATOR CIRCUIT

Karl Eisele, Wilhelmshaven, and Hans Fahrnschon, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 9, 1940, Serial No. 323,090
In Germany October 31, 1938
2 Claims. (Cl. 250—20)



1. In a superheterodyne receiver for the reception of short waves, a local oscillator circuit adapted to generate a frequency of substantially constant voltage over a comparatively wide range of frequencies for heterodyning with the received signal frequency to produce an intermediate frequency, said local oscillator utilizing a tube having at least a cathode, grid and anode, a tunable oscillation circuit connected between the anode and cathode, said oscillation circuit comprising a coil and a fixed condenser connected in series therewith and a variable condenser in shunt across the coil and fixed condenser, a feed-back coil having substantially half the number of turns of the first coil in coupling relation to the latter coil effectively connected between the grid and the junction of the first coil and fixed condenser, and a connection between said junction and a source of anode potential.

2,235,577

HAND OPERATED FIRE EXTINGUISHING DEVICE

Llewellyn Oliver Evans, Southgate, London, England

Application June 1, 1939, Serial No. 276,858
In Great Britain June 17, 1938
4 Claims. (Cl. 299—103)

1. A hand-operating distributing device for spraying finely divisible substances by a swinging or throwing movement comprising an elongated container, a delivery tube affixed to the end of said container and extending therefrom at an angle to the major axis of the container, a closure for the end of the delivery tube provided with spray-producing perforations, and a hood extending from the end of the delivery tube and situated on the side thereof that makes an obtuse angle with the container end whereby when the container is manually swung to deliver the contents of the container through said perforations, said hood will serve to direct the projected contents of the container during the forward swing and will prevent said contents from being pro-



jected onto the operator during the backward swing.

2,235,578

MEANS FOR MACHINING CURVED SURFACES

William H. Ford, Williamsville, N. Y.

Application June 4, 1938, Serial No. 211,874
35 Claims. (Cl. 90—24.3)



1. In a machine tool for reproducing and finishing compound curved surfaces of airplane propeller blades and the like by means of a master control element, work supporting means comprising spaced elements each adapted to engage and support one end of a work piece and a corresponding end of a control element, cutting means reciprocable longitudinally between said spaced work supporting elements for effecting cutting strokes, means for automatically varying the disposition of said cutting means in a direction at right angles to a plane extending through the work piece and the control element during longitudinal cutting strokes, and means for synchronously rotating the work piece and said control element about parallel longitudinal axes.

2,235,579

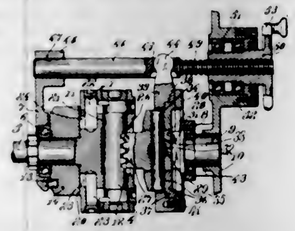
VARIABLE CAPACITY PUMP

Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application September 7, 1938, Serial No. 228,811
11 Claims. (Cl. 103—161)

5. In a variable stroke pump, the combination of a rotary pump body having a cylinder bore arranged with its longitudinal axis lying in a plane perpendicular to the axis of rotation of the pump body, a pump piston reciprocable in said cylinder bore, means for rotating said pump body, means including elements rotatable with said pump body and operatively connected to said piston for reciprocating the latter as said

pump body rotates, said piston reciprocating means comprising a swingable member engaging said piston and swingable to effect piston reciprocation, a pivotal mounting for said swingable member on said pump body, and means for varying the range of swinging movement of said



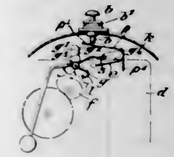
swingable member including a pivoted element having a pivotal connection with said swingable member on an axis at right angles to the pivotal axis of said swingable member, the pivotal axes of said swingable member and said pivoted element being disposed at right angles to the axis of rotation of said pump body.

2,235,580

ALARM CLOCK

Helmut Junghans, Schramberg-Sulgen, Eckenhof, Germany

Application June 9, 1937, Serial No. 147,345
In Germany May 2, 1936
3 Claims. (Cl. 58—16)



2. In an alarm clock, a clock movement frame, an alarm escapement wheel with co-operating pallet lever, an alarm spring, means for setting the alarm to function at a desired time, a stopping device for stopping the alarm at any time, a shaft carrying an alarm hammer and the pallet lever, a pawl mounted on the said shaft and having a bevelled surface and an adjacent recess, a locking lever carried by the said clock movement frame and adapted upon actuation of the said stopping device to engage with the said pawl into a hook-like connection by turning back first the said pallet lever against the force of the alarm spring by means of the bevelled surface on the said pawl until the engaging end of the said stopping lever enters the said recess, and means for limiting the unwinding of the alarm spring, said limiting means being connected with the shaft of the said pallet lever.

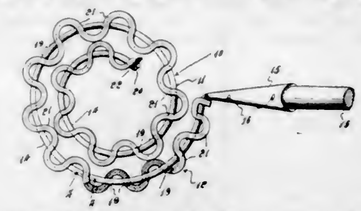
2,235,581

CLEANING DEVICE

Thomas I. King, Menlo Park, Calif.

Application July 13, 1939, Serial No. 284,330
2 Claims. (Cl. 15—159)

1. In a broom, a cleaning element comprising a strip of sheet rubber having its longitudinal edges formed of a plurality of narrow transversely disposed strips, the intermediate portion of said strip being provided with two spaced rows of corresponding openings, said strip being folded lengthwise to aline corresponding open-



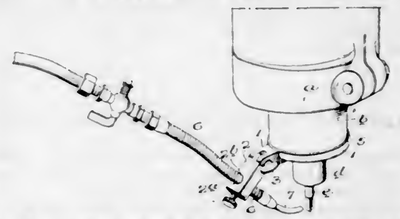
ings of said rows, and said openings being threaded on a helix supporting frame.

2,235,582

DISCHARGE NOZZLE HOLDER FOR MACHINE TOOLS

Harlow Klema, Racine, Wis., assignor, by mesne assignments, to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin

Application December 28, 1939, Serial No. 311,409
6 Claims. (Cl. 90—11)



4. A machine tool comprising a cutter head having a rotary cutter spindle, a barrel mounted in said head for relative longitudinal cutter-spindle-feeding and return movements, said cutter spindle being mounted in said barrel against normal relative longitudinal movements, a fluid supply hose provided with a shiftable discharge portion for delivering fluid on the operating cutter of said spindle; and hose holder means movable with said barrel and holding said discharge portion in an elevated critical position with respect to said cutter for maintaining said critical position by correspondingly moving said discharge portion throughout said cutter-spindle-feeding and return movements of said barrel.

2,235,583

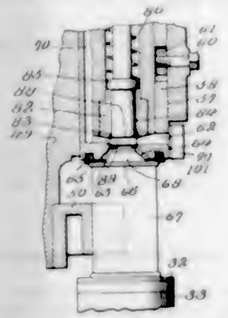
MACHINE FOR VACUUMIZING AND CROWN CAPPING CONTAINERS

Alfred L. Kronquest and Otto A. Schmitt, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application November 25, 1938, Serial No. 242,424
10 Claims. (Cl. 226—82)

1. In a machine of the character described, a supporting unit for supporting a filled container having a pouring throat adapted to be closed with a crown cap, a crimping unit aligned with and spaced from the supporting unit and having a vacuum chamber therein and a crown cap supporting shelf in said chamber, means for feeding a crown cap onto said shelf, means for moving one unit to loosely apply a crown cap to a container throat, means through which a vacuum is drawn in said chamber while the crown cap is loosely applied, means for moving one unit to cause the crown cap to be engaged with and

crimped by the crimping unit for sealing the vacuumized container, said crimping unit including a rigid sleeve member having a bottom opening for receiving the container throat and a side opening through which the crown caps are



fed, both said openings communicating with said chamber, a gasket surrounding the bottom opening directly engaged by the container for sealing the vacuum chamber, and means for sealing the side opening during the drawing of a vacuum in said chamber.

2,235,584

ADJUSTING DEVICE FOR ROTARY PISTON PUMPS

Prosper L'Orange, Stuttgart-Feuerbach, Germany; Rudolf L'Orange executor of the estate of said Prosper L'Orange, deceased

Application June 19, 1939, Serial No. 279,977
In Germany June 20, 1938
6 Claims. (Cl. 103—41)



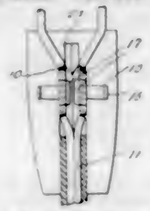
1. An adjusting device for a rotary piston pump in which regulation of the output of the pump is effected by an angular adjustment of the position of the piston with respect to the cylinder in which it works, which comprises a part which is in fixed relationship in the rotational sense with the piston, a second part which is coaxial with the first part and which is angularly movable about the axis thereof to effect the angular adjustment of the piston and an intervening coupling ring interposed between the first part and the second part and having toothed engagement with each of the parts so as positively to couple them together for angular adjustment as one about the said axis of the parts, which toothed engagement is of such a character as to enable an angular adjustment to be effected both of the ring relatively to the first part and also of the ring relatively to the second part with the magnitude of the adjustment per tooth step thereof slightly different in the one case from in the other so that by conjoint adjustment of the ring with adjustment of the relative positions of the parts on either side of it a very fine and definite adjustment of the two parts relatively to one another may be effected, provision being made for relative axial movement of the parts to enable the adjustment of the ring to be effected.

2,235,585

SAFETY DEVICE FOR BLASTING CABLES

Thomas C. Luke and Albert Mariotti, McComas, W. Va., assignors of one-fourth to Carl Mariotti

Application May 23, 1939, Serial No. 275,308
1 Claim. (Cl. 200—168)



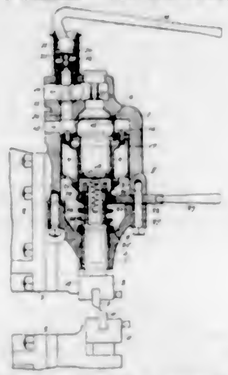
A device of the class described having a resilient body, conductor means passing through the body, said conductor means having portions normally maintained in contact by the resilience of said body to provide a short circuit and adapted for separation through compression of the body to enable closing of a circuit through the conductor means, said conductors including contacts arranged for engagement at portions thereof, the body having recesses and the conductors having flanges spaced outwardly from said portions extending into adjacent recesses whereby the contacts are anchored to the body to move with and through the compression of the latter, said contacts being in a single strip and enclosing a portion of the conductors and generally being of H-shape to provide inner and outer flanges, the body having a recess, the inner flanges of both contacts being located within said recess.

2,235,586

RECIPROCATING MOTOR

Karl Gustaf Östberg, Stockholm, Sweden, assignor to Fabriksaktiebolaget Haldataxametern, Halmstad, Sweden, a company of Sweden

Application July 18, 1939, Serial No. 285,210
In Sweden July 28, 1938
5 Claims. (Cl. 121—164)



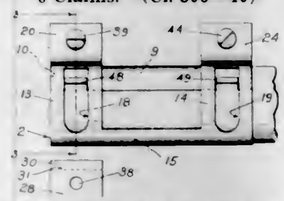
1. A reciprocating motor comprising in combination, a cylinder provided at one end with an inlet for pressure medium and with an outlet arranged coaxially with respect to the cylinder, a piston movable in said cylinder, a valve body for controlling said outlet journalled coaxially in a central recess of said piston so as to be movable axially with respect thereto, an abutment on the piston restricting the axial movement of the valve body relatively to the piston in one direction, a stop member connected with the piston and shiftable in axial direction, said stop member serving to restrict said relative axial movement in the other direction, and means tending to move the piston towards the outlet end of the cylinder into a position in which the outlet is closed by said valve body and the length of stroke of the piston being substantially equal to the length of axial movement of the valve body relatively to the piston and being variable by adjustment of said shiftable stop member.

2,235,587

SAFETY CLAMP

Roddie Phillips Peebles, Paducah, Ky.

Application September 6, 1939, Serial No. 293,625
6 Claims. (Cl. 306—40)



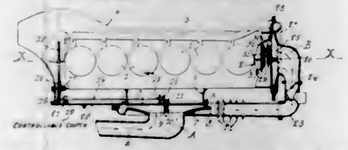
4. Means for securing the head of a tool to the handle therefor; comprising a strap provided with lateral extensions at one end adapted to embrace the said handle and the other end of the said strap and to be adjustably clamped there around and the said strap being adapted to embrace the tool head, projecting members mounted on the said other end of the said strap and adapted to engage the said extensions for movement thereon and in engaging relationship therewith for preventing longitudinal displacement of the said other end of the said strap, and means for holding the said extensions in clamping relation.

2,235,588

TWO STAGE COMPRESSION ARRANGEMENT FOR AIRCRAFT ENGINES

Henry Charles Alexandre Potez, Meaulte, France

Application May 9, 1939, Serial No. 272,664
In France May 16, 1938
7 Claims. (Cl. 123—119)



1. The combination with an internal combustion engine having at least one row of aligned cylinders, pistons movable in said cylinders and a crankshaft operatively connected to said pistons, of a two-stage compression arrangement comprising a first engine-driven centrifugal compressor whose axis is contained in a plane perpendicular to the axis of said crankshaft intermediate the ends thereof and having an inlet for fresh air and an outlet for compressed air, a second engine-driven centrifugal compressor situated at one end of the row of cylinders with its axis parallel to the axis of said crankshaft and having an inlet and an outlet, conduit means between the outlet of said first compressor and the inlet of said second compressor and between the outlet of said second compressor and said cylinders, whereby air is withdrawn from the exterior and charged under pressure into said cylinders, and means for charging said cylinders with fuel.

2,235,589

PROCESS FOR EXTRACTING AND RECOVERING NICOTINE AND OTHER ORGANIC SUBSTANCES FROM TOBACCO

Lyell M. Rader, deceased, late of Burlington, N. C., by Jennie Campbell Rader, administratrix, Burlington, N. C., assignor to Chemical Extraction Corporation, Elkton, Ky., a corporation of Kentucky

Application July 15, 1938, Serial No. 219,483
6 Claims. (Cl. 260—291)



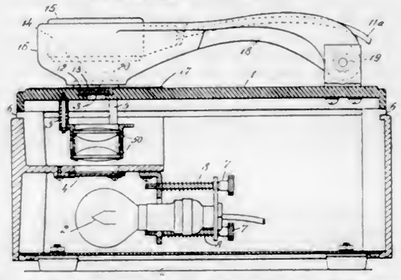
1. In a process for extracting nicotine and chlorophyll from tobacco the steps of, subjecting a processing compartment containing tobacco to a vacuum of about twenty-six inches within the limit substantially as set forth, partially satisfying the vacuum with steam to an extent that by thereupon admitting sufficient gaseous ammonia at N. T. P. into the compartment to theoretically replace the nicotine content of the tobacco being processed the remaining vacuum will be satisfied, the tobacco at no time subjected to a temperature sufficient to destroy the chlorophyll.

2,235,590

APPARATUS FOR DETERMINING PROPER EXPOSURE IN MAKING PHOTOGRAPHIC PRINTS

Harvey P. Rockwell, Jr., Newark, N. J., assignor to Weston Electrical Instrument Corporation, a corporation of New Jersey

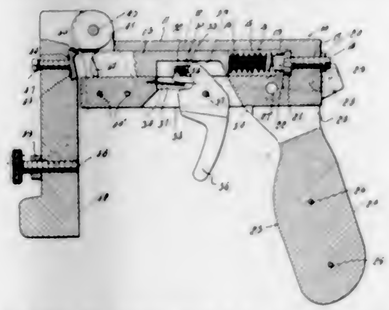
Application April 24, 1939, Serial No. 269,762
14 Claims. (Cl. 88—14)



1. A device useful in determining the proper exposure in photographic printing comprising an opaque container having a small aperture in one surface, a source of light within said container, means for concentrating a substantial portion of said light on said small aperture, a photoelectric cell, a support for said photoelectric cell for holding it above said aperture in position to receive the light that passes through said aperture and through a selected portion of a negative placed between said aperture and said cell, releasable retaining means in said sup-

port to hold said photoelectric cell in place in said support and to permit it to be readily removed therefrom and replaced therein without disconnecting it from its electrical connections, flexible electrical connections permanently connected to said photoelectric cell of sufficient length to permit said photoelectric cell upon being removed from said support to be placed in the position to be occupied by a printing paper in the path of the printing light, and a meter connected in circuit with said photoelectric cell by said flexible connections to measure the response of said cell to the light passing through the selected portion of the negative when the cell is held in said support and to measure the illumination from the printing light when the cell is placed in the position to be occupied by the printing paper.

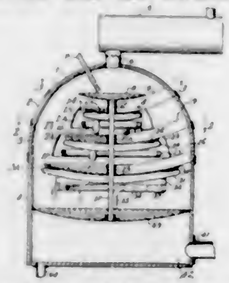
2,235,591
SAW SET
Ralph D. Ruiter, West Charleston, Vt., assignor of one-half to Louis Bonin, West Charleston, Vt.
Application April 11, 1940, Serial No. 329,176
8 Claims. (Cl. 76—67)



1. A saw set comprising a guide member having an elongated slot opening outwardly of one end thereof, a bolt slidably mounted in said slot, expansion spring means for normally projecting said bolt toward the open end of the slot, a cocking member pivotally connected to said guide member adjacent its opposite end, links pivotally connected to said cocking member and provided with forwardly extending free ends connected by a transverse bar, a notch in said bolt to receive said bar for retracting the bolt, a trigger mounted in said guide member for engaging the bar to release it from the notch to release the bolt to be projected by said spring means, and an anvil mounted on the guide member and disposed in opposed relationship to the open end of the slot.

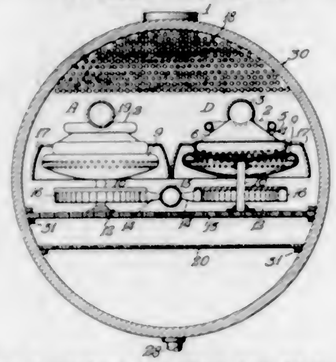
2,235,592
DYNAMIC DEAERATOR HEATER
Henry J. Schneider, Quincy, Mass.
Application July 28, 1939, Serial No. 287,147
6 Claims. (Cl. 261—89)

1. A dynamic deaerator and water heater comprising a substantially cylindrical casing having an upper end including an outlet for steam vapor and impurities and a water inlet, said casing having at its lower end a steam inlet and a water outlet, a vertical rotatable shaft within the casing, a plurality of circular vertically spaced plates fixed to the shaft, said plates having an inwardly turned perforated edge, a perforated plate positioned above each of the first named plates, a perforated spreader plate concentric with the uppermost perforated plate and positioned beneath the water inlet, a steam spray pipe beneath each of the cylindrical plates, a steam turbine wheel connected with the lowermost circular



plate, and said steam inlet having a nozzle for discharge of steam against the turbine wheel whereby to rotate the shaft and associated circular plates.

2,235,593
DYNAMIC DEAERATOR AND WATER HEATER
Henry J. Schneider, Quincy, Mass.
Application February 26, 1940, Serial No. 320,826
3 Claims. (Cl. 261—89)



1. In a dynamic deaerator and water heater, a casing having a multiplicity of water pipes in an upper portion thereof, inlet and outlet means for the pipes, said casing having a steam exhaust port above the pipes, a pair of water pipes connected with the outlet means of the water pipe, said pair of water pipes being extended into the casing in parallel spaced relation, a plurality of annular spray pipes spaced longitudinally of and connected with said respective pair of pipes, a perforated disk suspended from each of said spray pipes, a perforated platform within the casing, a shaft revolubly supported on the platform axially beneath each of said disks, a perforated disk beneath the first disk and fixed to the shaft, a turbine wheel fixed to each shaft, a steam pipe within the casing and positioned adjacent the turbine wheel and said steam pipe having nozzles for discharge of steam against the turbine wheel.

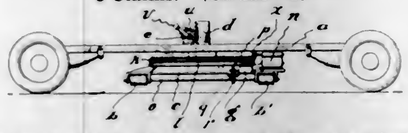
2,235,594
SAFETY SHIELD FOR WELDING TORCHES
Joseph H. Smith, Whittier, Calif.
Application December 19, 1939, Serial No. 310,088
2 Claims. (Cl. 189—34)

1. A shielding device of the class described comprising a frame open at the lower end, downwardly removable diaphanous means in said frame, supporting means for the frame, and a



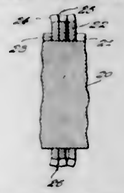
fastening securing the frame to the supporting means disposed in the path of removal of said diaphanous means.

2,235,595
DEVICE FOR MOVING A VEHICLE AT AN ANGLE TO THE DIRECTION IN WHICH IT RUNS NORMALLY
Alfred Stein, Erfurt, Germany
Application October 27, 1938, Serial No. 237,348
In Germany January 31, 1938
3 Claims. (Cl. 180—1)



1. In a vehicle having a main frame, a device for moving said vehicle at an angle to its normal running direction, comprising an auxiliary frame, at least one driving wheel on said auxiliary frame, means on said auxiliary frame for driving said wheel, a fixed table member mounted on said auxiliary frame, a turntable rotatably mounted on said fixed table member and arranged concentrically to the latter, vertical means slidable in said main frame and operatively connected to said rotatable turntable for raising and lowering said auxiliary frame, and means carried by said auxiliary frame for rotating said turntable with respect to said auxiliary frame.

2,235,596
CANE STRIPPING APPARATUS
Charles R. Weiss, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois
Application July 9, 1940, Serial No. 344,597
16 Claims. (Cl. 130—31)



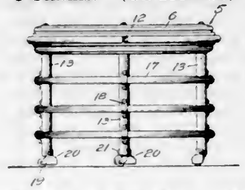
1. Stripping apparatus of the type described comprising a multiplicity of pairs of stripping rolls arranged in a bank, and means for rotating the individual rolls of the bank with the rolls of each pair being rotated in opposite directions, each of said rolls comprising a central shaft, a multiplicity of dished discs assembled on said shaft, and each of said discs being formed with peripheral teeth, said dished discs being assembled on each shaft with the convexed sides of certain adjacent discs being in contact with each other so as to provide spaces between their peripheral teeth.

2,235,597
FISH LURE
Leon A. Winter, Mason City, Iowa
Application November 3, 1938, Serial No. 238,647
4 Claims. (Cl. 43—46)



1. An artificial bait comprising a body having a tapered forward end portion formed with a flat under face extending forwardly at an upward incline, and a deflector plate extending forwardly from the flat under face at a downward incline and at its rear end being provided with prongs embedded in the body and a tongue between the prongs extending rearwardly from the plate in flat contacting engagement with the under face of the body, and a fastener passing through said tongue and into said body.

2,235,598
PLAY PEN AND WALKING DEVICE
George B. Wisecarver, Columbus, Ohio
Application May 31, 1939, Serial No. 276,703
3 Claims. (Cl. 155—22)

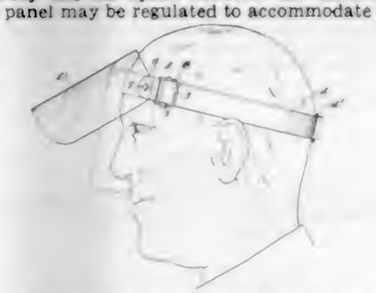


2. A device of the character described comprising, a hollow substantially cylindrical-shaped rubber ring, the inner side of said ring being open, leg members for said ring, said leg members extending through an opening formed in the lower side of said ring and abutting the inner portion of the upper side thereof, means for attaching said leg members to the upper side of said ring, and guard means secured to said ring.

2,235,599
ADJUSTABLE EYE SHIELD
Raymond G. Woodard, East Orange, N. J., assignor to Standard Safety Equipment Co., a corporation of Illinois
Application April 17, 1939, Serial No. 268,358
1 Claim. (Cl. 2—12)

An adjustable eye-shield comprising: a transparent, resilient eye-shield panel of substantially rectangular shape; a pair of U-shaped swivel-members pivotally secured to the upper corner portions of said panel; an adjustable clasp pivotally secured to each of said swivel members; and a flexible head-band loop threaded through said clasps and adjustable lengthwise to fit a human head snugly, at least one of said clasps being adjustable longitudinally of the head-band

whereby the air space between the head-band and panel may be regulated to accommodate eye-



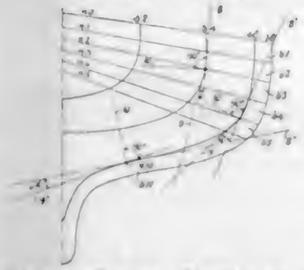
glasses of the wearer, if desired, and the panel may be tilted adjustably to a desired angular position.

2,235,600
SEMIARTIFICIAL FISH BAIT OR LURE
Chester A. Ammerman, Lodgepole, Nebr.
Application February 8, 1940, Serial No. 317,932
2 Claims. (Cl. 43—46)



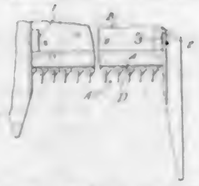
1. In a device of the class described, a yieldable body, head, tail and fin portions integral with said body, a leader having a portion thereof embedded in said body, a weight embedded in the body, a hook fastened to the leader within the body and extending outwardly of the latter with the barb thereof underlying the body, said body having a chamber opening outwardly thereof between the tail and one of the fins to accommodate fish food, said fins and tail portions being of a semi-transparent material, and spaced elements embedded in said tail and fin portions to provide ribs thereto and to give said tail and fin portions a realistic appearance.

2,235,601
METHOD OF SHAPING THE SKIN PLANKING OF VESSELS
Martin Berg Andreassen, Arendal, Norway
Application March 21, 1939, Serial No. 263,284
In Norway March 22, 1938
4 Claims. (Cl. 9—6)



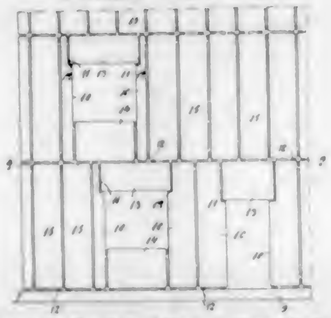
1. In the manufacture of vessels such as sailing-boats where a sheathing of wooden planks or boards are mounted edge to edge on ribs forming the skeleton of the boat and where these planks first are shaped to suitable taper according to the varying outside distance from the edge of the boat to its keel at each point along its length, a method for shaping the edge of the planks with such an angle at any point to its plane surface at this point that it when twisted in shape on the said skeleton will abut properly with the meeting edge of the adjacent plank, consisting in the twisting of the plank about its longitudinal axis at each point along its length to the same degree, that each point will be twisted, when twisted and bent in place on the boat, holding the plank in this twisted position on a working bench, and planing the edge of the plank so held by means of a planing tool, the working edge of which being made to pass along the said edge without changing its angular position with reference to said working bench.

2,235,602
CANVAS PROTECTOR FOR HARVESTERS
August Biesemeyer, New Franklin, Mo.
Application June 5, 1939, Serial No. 277,524
1 Claim. (Cl. 56—153)



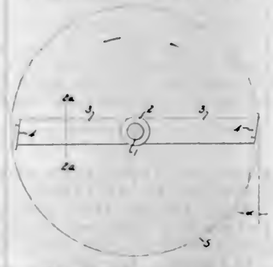
In a harvesting machine including a cutting assembly, a conveyor belt, a front roller for the belt arranged in rear of the cutting assembly and a plate for delivering the material from the cutting assembly on to the belt; plates having their front ends connected with the ends of the first-mentioned plate and said second-mentioned plates extending rearwardly over edge portions of the belt where the belt passes rearwardly from the roller, said second-mentioned plates preventing the material cut by the harvesting machine from contacting said edge portions of the belt, one of said plates having an upstanding portion at its outer edge and having a hole therein for receiving fastening means for connecting the plate to a part of the frame of the machine.

2,235,603
BUILDING HOUSES OF ARTIFICIAL STONE
Axel Fritiof Bomgren, Storangen, Sweden
Application August 31, 1937, Serial No. 161,862
In Sweden June 15, 1935
3 Claims. (Cl. 72—16)



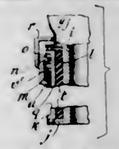
1. A method of building houses from story-height wall slabs which have been pre-cast to accurate dimensions from porous concrete or similar mouldable stone-like material which comprises, erecting the slabs on the foundation wall or on the walls of a lower story of the building, arranging spacers along the edges of the slabs so that each slab becomes spaced apart from the support and from the adjacent slabs to provide open through-going joint spaces, adjusting the positions of the individual slabs so that a plane wall surface is formed while maintaining free play between opposing edges of both horizontal and vertical joints, steadying the slabs in the adjusted position, and finally uniting the slabs with the support and with each other to form a self-supporting monolithic structure by filling the joints with a binding mass.

2,235,604
RADIAL PROPELLER AGITATOR
Ivan S. Brumagim, North Warren, Pa.
Application April 9, 1940, Serial No. 328,771
6 Claims. (Cl. 259—107)



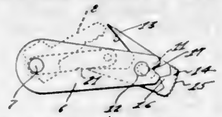
1. A mixer for liquids comprising a container and a high speed radial propeller agitator suspended in said container comprising a shaft, blade supporting means radially carried by said shaft and having a section in the direction of rotation so small that substantially no motion is imparted thereby to a liquid under treatment, and blade members carried by said supporting means, said blade members being inclined at an appreciable peripheral angle of incidence not greater than 30°, whereby to impart preponderantly radial outward motion to a liquid solely by the action of the blades, no portion of the face of said blades having a radius of curvature substantially less than the radius of the blade circle, the length of said blade members in the axial direction being substantially less than the radius of the blade circle, the path of radial flow from the shaft to each of said blade members being entirely unobstructed, and the maximum diameter of said agitator not exceeding one-half the minimum dimension of said container in the plane of rotation of said agitator.

2,235,605
SCREW PROPELLER
Ettore Bugatti, Molsheim, France
Application March 8, 1938, Serial No. 194,661
In France March 10, 1937
2 Claims. (Cl. 170—173)



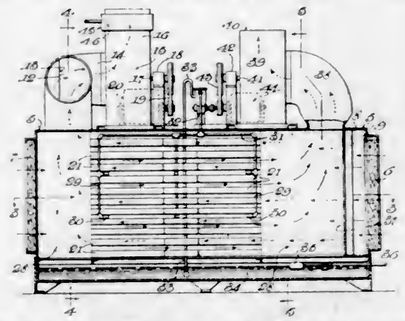
1. In a rigid structure adapted to revolve about an axis, the combination of a hollow blade holder located on one side of said axis, a blade having a stem or root portion receivable in said blade holder, an intermediate tubular member enclosing said stem and protected against substantial sliding displacement relative to said stem by abutments on said stem; a resilient bushing disposed between said tubular member and said stem and bonded thereto, for the absorption of torsional stresses developed by said blade; peripheral projections on the interior of said blade holder and the exterior of said tubular member, a bushing disposed between said blade holder, said tubular member and said projections and bonded thereto, for the absorption of longitudinal stresses or the like developed by said blade; and loose-fitting spline and key members interlocking said blade-holder and said tubular sleeve against substantial relative sliding movement.

2,235,606
KEY CASE
Jesse W. Calhoon, Columbus, Ohio
Application August 22, 1940, Serial No. 353,753
3 Claims. (Cl. 70—456)



1. In a key case of the character described, a pair of wall members, means connecting said wall members together in spaced relation at one end of the case and providing a pivot for keys accommodated in the case, rivet means connecting said wall members together in spaced relation at a relatively opposite end of the case, and an ejector embodying a body pivotally and slidably accommodated between the last-named ends of said walls, said body having its inner end forked to provide a notch for accommodating the free ends of the keys within the case, and said body being also provided with a slot accommodating the rivet connecting the walls at the last-named end of the case, detent means for normally holding the ejector body between the wall forming members and spring means for normally holding the ejector body with the rivet in the outer end of the slot and the detent means in engagement.

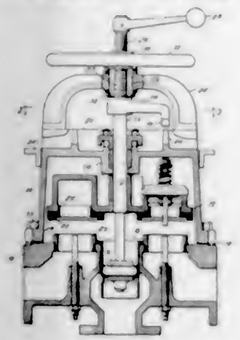
2,235,607
AIR CONDITIONING APPARATUS
Thomas W. Carraway, Dallas, Tex.
Application August 25, 1938, Serial No. 226,808
20 Claims. (Cl. 62—6)



1. An air conditioning unit of the evaporative cooler type comprising a hollow elongated casing open at its respective ends for ingress of air; a

vertically disposed cross header connecting a pair of side headers at one end of the casing; a pair of side headers at the other end of the casing and joined above the casing by a horizontal cross header; a plurality of horizontally disposed vertically spaced narrow flat air conveying ducts communicating between the respective pairs of side headers; means for bathing the external surfaces of the ducts with a very thin film of liquid; a fan for drawing air into the casing between the horizontal header connected side headers, over the wetted duct surfaces, and upwardly out of the casing from between the vertical header connected side headers; and a fan for drawing air into the other end of the casing, and through the headers and ducts for delivery into a space to be cooled.

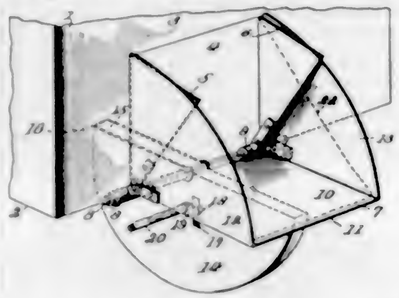
2,235,608
VALVE
Lee G. Daniels, Rockford, Ill.
Original application October 12, 1933, Serial No. 693,330, now Patent No. 2,093,692, dated September 21, 1937. Divided and this application August 23, 1937, Serial No. 160,381
7 Claims. (Cl. 251—84)



1. In a lift-turn valve, a ported stator member and a ported rotor member disposed in superimposed relation arranged to be seated on the body member in any of a plurality of positions of rotation about its center as an axis, a resilient gasket of soft rubber interposed therebetween to cushion and seal the engagement of the rotor member in seating on the stator member, threaded means for raising and lowering the rotor member, whereby said gasket may be subjected positively to distorting seating compression after the rotor member is seated by continued actuation of said threaded means, means for turning the rotor member when unseated, and means on the rotor and stator members slidably engaged in the seating and unseating movements to prevent sliding movement between the meeting faces of the stator member, rotor member, and gasket when in surface contact and to lock the rotor member in predetermined positions of rotary adjustment prior to the seating thereof.

2,235,609
DISCHARGE MECHANISM FOR RECEPTACLES
Roy P. M. Davis, Hollywood, Calif.
Application July 8, 1938, Serial No. 218,251
4 Claims. (Cl. 221—120)

1. A device of the character described for feeding material from a receptacle having a discharge opening in its vertical front wall and a slot in the bottom wall thereof, comprising a shaft adapted to be mounted at the lower end of the discharge opening, a chute loosely mounted on said shaft, a substantially semi-circular plate loosely carried by the shaft and secured to said



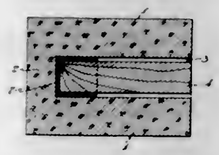
chute, the upper edge of said plate normally fitting within and lying flush with the upper edge of the slot, and means associated with and having means engageable with the plate for simultaneously oscillating said plate and chute.

2,235,610
METHOD OF AND APPARATUS FOR HANDLING MOLDS AND INGOTS
William L. Ditges, Alliance, Ohio, assignor to The Morgan Engineering Company, Alliance, Ohio
Application September 12, 1940, Serial No. 356,549
18 Claims. (Cl. 22—64)

1. A method of handling molds and ingots comprising depositing an ingot-filled mold in upright position at a tilting station, grasping the mold at such station and tilting the mold and ingot into horizontal position, then releasing the mold from such grasp and transferring the same while in horizontal position to a stripping station, removing the ingot from the mold at the stripping station, subsequently transferring the empty mold while in horizontal position to a tilter station, again grasping the mold and then returning the empty mold to upright position at the last-mentioned station, and finally removing the empty mold from the last-mentioned station.

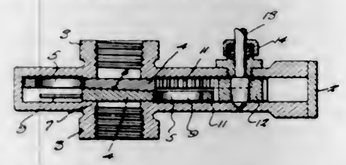
6. In an apparatus of the character described, a tilter unit having a platform adapted to removably support a series of ingot-filled molds in upright position, a stripper unit arranged adjacent to the tilter unit, guides extending from one unit to the other, a carriage guided by said guides and adapted to travel from one unit to the other, means for tilting said platform to simultaneously transfer a series of ingot-filled molds from upright position into horizontal position on the carriage, means to cause the carriage to transfer the ingot-filled molds one by one from the tilter unit to a position in front of the stripper unit, and means associated with the latter for removing the ingots from the molds while the latter are in horizontal position.

2,235,611
CORK PLUG
José Furquet, Buenos Aires, Argentina
Application July 27, 1939, Serial No. 286,936
5 Claims. (Cl. 215—48)



1. A stopper for bottles, particularly those containing gas evolving beverages, consisting of, a cylindrical stopper element provided with a concentric cylindrical recess therein, a cylindrical core member fitted into said recess, a cup-like member fitted over the inner end of said core within the recess, and said cup-like member being impermeable to gases.

2,235,612
VALVE
Robert William Graney, Cincinnati, Ohio
Application July 22, 1939, Serial No. 285,993
2 Claims. (Cl. 251—60)



1. In a valve device, a casing rectangular in cross-section and having internally opposed and parallel sides and top and bottom faces having axially alined inlet and outlet openings surrounded by inset annular parallel valve seats, a pair of sliding shutters in said casing with one of said shutters overlapping the other, said shutters having openings therein movable into and out of registry with said openings, said shutters having closing portions for said openings oppositely tapered from end to end, said casing having its side walls provided each with a pair of parallel grooves and the shutters being provided on their lateral edges with ribs fitting in said grooves, and means for moving said shutters simultaneously in opposite directions to bring the shutter openings into and out of alinement with the casing openings.

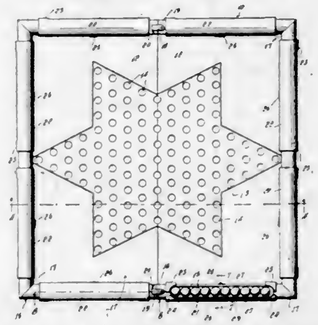
2,235,613
BREWER'S YEAST FOOD PRODUCT AND PROCESS FOR MAKING THE SAME
William P. M. Grelck, Baltimore, Md.
No Drawing. Application September 20, 1938, Serial No. 230,814
2 Claims. (Cl. 99—2)

1. A method of producing a self preserving wet food product of semi-solid consistency from lactofermented non-fatty milk material and from fresh bottom or top brewer's yeast or a mixture of the same, containing a self preserving quantity of lactic acid which comprises the lactofermentation of a fat-free milk material containing approximately 6% total solids, so that not less than 1% of lactic acid is obtained by conversion of part of its sugar of milk content, then pasteurized fresh bottom or top brewer's yeast or a mixture of the same, is added to the lactofermented milk material in such quantity so as to increase the total solids of the fermented milk yeast material to 12%, then drawing the mixture into a vacuum evaporating apparatus for removing the surplus moisture, which is so timed that the finished product contains approximately 36% total solids, including a self preserving quantity of lactic acid.

2,235,614
BREWER'S YEAST FOOD PRODUCT AND PROCESS FOR MAKING THE SAME
William P. M. Grelck, Baltimore, Md.
No Drawing. Application July 6, 1939, Serial No. 283,010
2 Claims. (Cl. 99—2)

1. A method of producing a moist self preserving brewer's yeast food of semi-solid consistency from fresh bottom or top brewer's yeast, or a mixture of the same, as drawn from the fermenters and containing its normal amount of hopbitterstuffs, which comprises the killing of the fermenting action of the yeast cells by pasteurization, the increasing of the heat to albumen coagulating temperature for the purpose of coagulating the albumen of the yeast cell plasma, the settling of the so treated brewer's yeast in storage, then drawing off the supernatant wort, then drawing the so treated brewer's yeast fluid containing its normal amount of hopbitterstuffs into a vacuum evaporator fitted with stirring arrangement, for the purpose of removing surplus moisture, said removal of moisture is so timed that the finished yeast concentrate is of semi-solid consistency and contains approximately 44% solids including a self preserving quantity of hopbitterstuffs, it is then packed in air tight containers and ready to be used as a vitamin supplementary food.

2,235,615
GAME BOARD
John Evans Huffaker, Bloomington, Ill.
Application March 28, 1940, Serial No. 326,479
5 Claims. (Cl. 273—136)



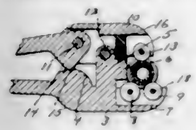
1. An article of the class described comprising a board having an upstanding rail secured along an edge thereof, said rail being provided with a groove in its upper side, a cover turnably mounted on the rail for closing the groove, when in one position, said cover being provided with a recess portion for exposing the groove when the cover is turned to another position, said rail being substantially semi-circular in cross section, said cover being arcuately shaped in cross section, said board having spaced slots, adjacent the ends of

the grooved portion of the rail, and said cover being provided with lateral, arcuately shaped extensions at its ends for slidably engaging the slots for retaining the cover in position on the grooved portion of the rail.

2,235,616
APPARATUS FOR CONNECTING CONDUIT SECTIONS

James N. Ice, Martins Ferry, Ohio, assignor to a trusteeship composed of himself, Alexander Best, and Samuel K. Frank, all of Wheeling, W. Va., as trustees

Original application November 30, 1938, Serial No. 243,257. Divided and this application August 3, 1939, Serial No. 288,245
2 Claims. (Cl. 81—15)



1. An apparatus for providing an interlocking sealing connection between the meeting ends of conduit sections, and a coupling overlying said conduit ends, comprising a tool having a fixed jaw and a movable jaw, said jaws presenting opposed flat parallel faces, a roller carried by one of the jaws, a pair of rollers carried by the opposing jaw, one of the pair of rollers being of a slightly increased diameter with respect to the remaining roller of the pair, the rollers operating in the same circumferential plane.

2,235,617
CREMATORY URN

August Klinzing, Milwaukee, Wis.

Application August 3, 1940, Serial No. 350,244
1 Claim. (Cl. 220—39)

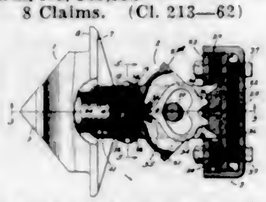


In a crematory urn, a receptacle having a circular access opening provided with internal V-shaped screw threads and also having a tapered annular machined surface adjoining the outer end of said opening and inclined symmetrically inwardly relative to the central opening axis, and a closure cap for said opening having external V-shaped screw threads loosely cooperable with said internal threads and also having an integral peripheral right angle flange extending outwardly over said machined tapered surface and provided with an annular machined relatively sharp biting edge portion on its peripheral edge adjacent the tapered surface adapted to be driven into direct sealing engagement with said tapered surface in a plane perpendicular to said axis by virtue of the taper of the loosely coacting V-threads.

2,235,618
CAR COUPLER

Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Original application April 7, 1939, Serial No. 266,591. Divided and this application July 2, 1940, Serial No. 343,592
8 Claims. (Cl. 213—62)

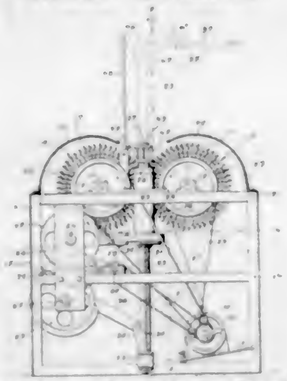


1. In a car coupling mechanism, in combination, a coupler comprising a head portion for coupling to a companion head and having a rearwardly projecting hollow portion, a draw bar having one end mounted in the hollow portion to rotate relative thereto and the other end provided with means to attach it to an anchorage, means to limit the forward movement of the head relative to the draw bar, a transversely disposed lock member associated with the said draw bar and movable longitudinally of the head and the drawbar and normally seated in a notch in the second said means, a spring under compression interposed between the head and the draw bar to hold the head advanced relative to the draw bar and to yieldingly hold the lock member in the notch to prevent rotation of the head relative to the draw bar under normal operation but to permit rotation of the head when a rotative force is applied to the head sufficient to overcome the force of the spring as in dumping one car relative to the coupled car at a tipple.

2,235,619
MECHANICAL POULTRY PICKER

Eddy E. McMahan and Antoine Charlebois, Los Angeles, Calif.

Application December 13, 1939, Serial No. 309,088
3 Claims. (Cl. 17—11.1)

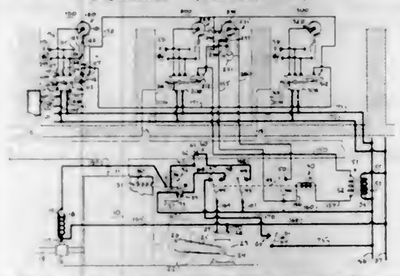


1. A machine of the character described comprising, a pair of rotary feather removing beater drums provided with a plurality of radially disposed rubber fingers, each finger having a head formed thereon to prevent it from parting from the drum, said fingers being adapted to beat substantially the entire feathered area of a fowl, means to support a single fowl and subject the same to the action of said drums, said means including a vertically movable shaft, a clamp carried by the upper end of the shaft adapted to suspend poultry by the legs head downward, means for raising and lowering the shaft, and means for intermittently rotating the shaft through an arc of 90° when in its uppermost position.

2,235,620
TEMPERATURE CONTROL SYSTEM

Clarence W. Nessell, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 19, 1937, Serial No. 175,455
4 Claims. (Cl. 236—11)



3. In an all year temperature regulating system, in combination, means for heating a fluid medium, circulating means for circulating said fluid medium to a plurality of zones, control apparatus comprising a relay controlling the heating means and the circulating means, means in each zone comprising a thermostat for controlling the flow of fluid to the zone, a master thermostat having timing means associated therewith, said thermostats in each zone individually controlling said relay dependently on said master thermostat and being operable upon a call for heat to cause said relay to assume a first position in which said heating means and circulating means are normally operated, said timing means being operable to relieve said zone thermostats of control and to place said master thermostat in control of said relay, manual means for interrupting control of said heating means by said relay and for conditioning an electric circuit for starting said circulating means when said relay is in a second position opposite to said first position, said manual means including means associated with each of said zone thermostats for relieving it of control and causing the associated flow controlling means to admit fluid to the zone, said master thermostat continuing to control said relay at substantially the same temperature when said zone thermostats have been manually relieved of control, and said circulating means operating when said relay is in its said second position.

2,235,621
RUBBER COMPOSITION

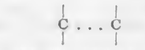
Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Yardville, N. J., a corporation of Delaware

Application March 17, 1938, Serial No. 196,376
3 Claims. (Cl. 260—3)

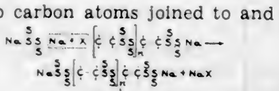
1. A vulcanizable composition comprising a vulcanizable rubber and an organic polymer of the unit



where



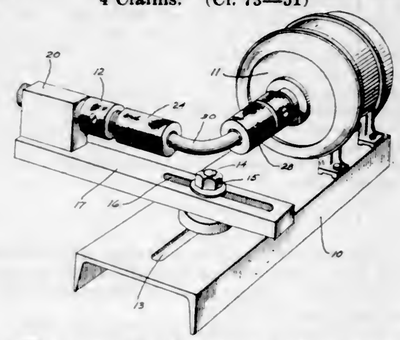
represents two carbon atoms joined to and separated by intervening structure and S is a sulphur atom, the said polymer containing combined sulphur available for causing vulcanization of the rubber and the proportion of said polymer to the rubber being from about 5 to 7.5 parts by weight of polymer and 100 parts by weight of rubber.



2,235,622
METHOD FOR TESTING TIRE CORDS

Frederick Ray, Short Hills, N. J., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application September 2, 1937, Serial No. 162,160
4 Claims. (Cl. 73—51)

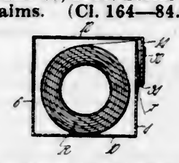


1. The method of testing textile elements which consists in embedding such elements in a body of flexible material such as rubber, bending said body of flexible material, and causing said body to rotate while maintained in bent condition.

2,235,623
DISPENSING APPARATUS

Walter C. Ross, Springfield, Mass., assignor to American Tissue Mills, Holyoke, Mass., a corporation of Massachusetts

Application June 28, 1940, Serial No. 342,962
2 Claims. (Cl. 164—84.5)



1. The combination of a dispensing device for lengths of paper from a roll thereof having a wall over the edge of which paper may be drawn from said receptacle with means at the edge of said wall for cutting said paper comprising, a single elongated length of yieldable wire bent to pro-

vide relatively yieldable end parts for engaging opposite faces of the wall and yieldingly embracing said wall, and an intermediate longitudinal part extending along and over the edge of said wall at one end thereof and terminating at a distance from its other end and provided with teeth for cutting paper drawn over said edge.

2,235,624

FILTER UNIT FOR RESPIRATORS

Nathan Schwartz, New York, N. Y., assignor to Hygeia Filtering Corporation, New York, N. Y.

Application July 30, 1938, Serial No. 222,139
3 Claims. (Cl. 183—44)



2. A separator for filter type respirator including a casing having an intake port with filter means comprising a hollow filter pad with an aperture, a tubular element for the said pad located within the said aperture and containing an opening for air passage and means to secure the said pad to the said port comprising a supporting plate mounted in confronting and associated relationship with the said pad and the edges of the said plate being removably secured at the said intake port, and the said pad is located within the said casing.

2,235,625

SOFTENER FOR POLYMERIZED MATERIALS

William D. Wolfe, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 29, 1938, Serial No. 216,588
8 Claims. (Cl. 260—84)

1. A method of improving the properties of resins prepared by treating a mixture of a butadiene compound and a monomer selected from the group consisting of ring substituted vinyl compounds, acrylo nitriles and esters of acrylic acids, which comprises adding a diazo amino aryl compound to the monomeric mixture before polymerization.

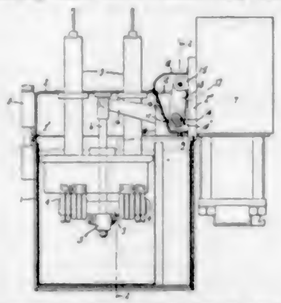
2,235,626

CIRCUIT BREAKER

Ralph E. Bold, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application April 28, 1939, Serial No. 270,614
3 Claims. (Cl. 200—150)

1. An electric circuit breaker comprising a liquid-containing tank, a cover for said tank, movable contact structure operable within said tank, operating mechanism disposed exteriorly of said tank, and means forming a well in the top of and beneath said cover, said well being open with respect to said mechanism and closed with respect to the interior of said tank so as to prevent liquid in said well from leaking to ground, said operating mechanism and movable contact structure being interconnected by means extending through side walls of said well, liquid leaking along said interconnecting means incident to circuit interruption being entrapped in said well and subsequently returning to said tann by leakage through said well.

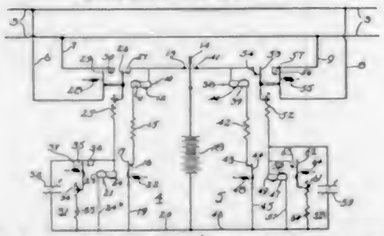


2,235,627

SEMIAUTOMATIC TELEGRAPH KEYING SYSTEM

Ivan Boor, New York, N. Y.

Application November 15, 1939, Serial No. 304,595
5 Claims. (Cl. 178—82)



1. A semiautomatic telegraph keying system comprising a transmission circuit, two separate keying circuits connected in parallel to the transmission circuit, a manually actuated telegraph key connected to alternately control the keying circuits to produce dots and dashes in the transmission circuit, electrical timing means including first relay means and capacity and resistance elements in one of said keying circuits and so timed and connected that upon actuation of the key to control said one keying circuit a continuous series of dots is automatically produced in the transmission circuit, and other electrical timing means including second relay means and capacity and resistance elements in the other keying circuit and so timed and connected that upon actuation of the key to control said other keying circuit a continuous series of dashes is produced in said transmission circuit.

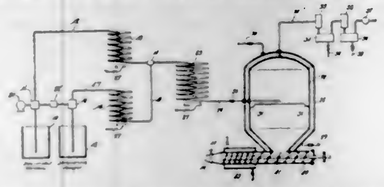
2,235,628

PROCESS OF MAKING SOAP

Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Application August 1, 1939, Serial No. 287,857
14 Claims. (Cl. 260—418)

1. A continuous process for making soap which comprises the steps of: preheating a saponifiable material to a temperature not substantially below 250° F., and sufficiently high to cause rapid and substantially complete saponification thereof when admixed with a saponifying reagent, mixing a saponifying reagent with said preheated saponifiable material in stream flow and in a zone substantially closed from the atmosphere whereby the saponification of said material is rapidly carried to substantial completion to form soap, thereafter advancing said mixture to a heating zone to rapidly heat the same to a temperature sufficiently high to cause the impurities



to be separated in vapor form when said mixture is introduced into a vapor separating zone and above the melting point of soap when said impurities have been separated, introducing the mixture into a separating zone, continuously withdrawing vapors of said impurities and promptly removing the purified soap from said chamber before the same is damaged by high temperatures.

2,235,629

ANTIOXIDANT

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 11, 1935, Serial No. 1,363
1 Claim. (Cl. 260—808)

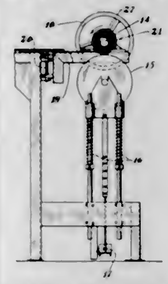
The method of treating rubber which comprises incorporating therein a mixture obtainable by reacting 1-chloro 2-naphthol and aniline.

2,235,630

METHOD OF MAKING TUBULAR INSULATION

Wilbur F. Fischer, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application July 23, 1936, Serial No. 92,099
1 Claim. (Cl. 154—28)



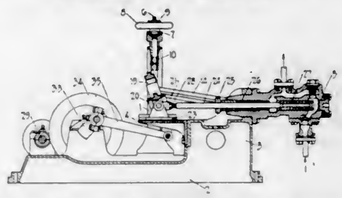
A method of making pipe covering comprising coating a web of composited plies of plane and corrugated sheets of flexible, thermal-insulating material with an adhesive, tightly wrapping said coated material spirally upon itself while continuously applying sufficient pressure against the face of said material near the point of initial wrapping to slightly compress the corrugations of the corrugated sheets and thereby create stress within the material acting to force the convolutions tightly together and into a compact, regularly formed body, and hardening the adhesive while the body is in its stressed condition.

2,235,631

VARIABLE STROKE PUMP

Gustav Adolf Frenkel, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 13, 1939, Serial No. 294,604
4 Claims. (Cl. 103—38)



1. A variable stroke proportioning pump unit of the class described comprising a frame, a piston cylinder and a reciprocable piston, a piston rod for reciprocating said piston, a crosshead slidably mounted on said frame, one end of said piston rod being rigidly attached to said crosshead, a support rigidly mounted on said frame, a slideshoe pivotally attached to said crosshead, a yoke slidably mounted on said slideshoe, a pair of toggle levers pivotally mounted at one end on said frame in the same horizontal plane as the axis of said piston cylinder, the other ends of said toggle levers being pivotally attached to said yoke, a cross-piece above said yoke, means for forming a pivotal connection between said yoke and said cross-piece, a threaded spindle rigidly attached to said cross-piece, extending upwards and through said previously mentioned support, being slidably mounted therein, a wheel threaded on the upper end of said spindle whereby vertical adjustment of said cross-piece will be attained by rotation of said wheel, a crank arm pivotally connected to the lower end of said yoke and means for operating said crank arm.

2,235,632

METHOD OF FINGERPRINTING

William Heinecke, West Orange, N. J., assignor to Graphic Arts Research Corporation, Verona, N. J.

No Drawing. Application October 3, 1939, Serial No. 297,662
5 Claims. (Cl. 41—26)

3. The method of producing finger prints upon plain untreated papers which includes applying contact impressions of the fingers to the paper by means of substantially non-staining chemical compositions and developing the impressions by light and heat jointly.

2,235,633

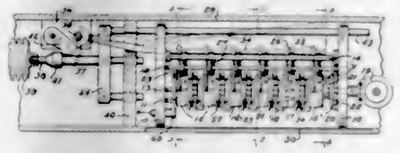
COUNTER ASSEMBLAGE

Mark M. Hennessy, Milwaukee, Wis., assignor to Durant Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin

Application November 20, 1939, Serial No. 305,310
12 Claims. (Cl. 235—132)

1. In a counter assemblage, a series of numeral wheels rotatable about a common axis and each having a numeral bearing rim and a peripheral notch, motion transfer means interconnecting the adjacent numeral wheels, a trip pawl co-

operable with said notch of each of said wheels, a trip lever swingable about an axis disposed transversely of said series axis and being engageable by said trip pawls when said pawls are out of engagement with said notches, and power



mechanism movable parallel to said series axis and being operable to move said trip lever when all of said pawls engage all of said wheel notches, said wheels being substantially relieved of pressure exerted by said mechanism at all times.

2,235,634

SILVER SOLDER

Franz R. Hensel, Kenneth L. Emmert, and James W. Wiggs, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application August 15, 1939, Serial No. 290,221
11 Claims. (Cl. 75—173)

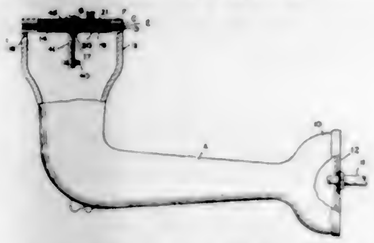
1. A silver solder containing at least 5% silver and characterized by the presence of a small quantity of lithium as an alloying ingredient therein.

2,235,635

BURNER STRUCTURE

Clarence A. Herman, Grosse Pointe Farms, Mich., assignor to Detroit-Michigan Stove Company, Detroit, Mich., a corporation of Michigan

Application July 24, 1939, Serial No. 286,256
5 Claims. (Cl. 158—116)



1. A burner having an upright tubular head open at its upper end, an assembly of superposed stampings on the open upper end of the head and providing radially extending passages for a combustible mixture, a permanent swivel connection between the stampings of the assembly maintaining their relative superposed relation but permitting relative lateral movement therebetween for cleaning purposes, and a separate detachable connection between said assembly and said head normally holding said stampings against the lateral movement aforesaid.

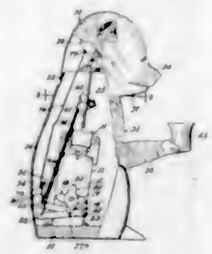
2,235,636

ANIMATED FIGURE

Leonard J. Herte, Williston Park, N. Y.

Application November 25, 1939, Serial No. 306,055
4 Claims. (Cl. 46—141)

1. An animated figure comprising a body, a limb member pivotally supported for upward and downward movement with relation to said body, a liquid-dispensing receptacle carried by said limb member, conduit means for effecting transfer of liquid to said receptacle and including a pair of tubes which are substantially rigid in themselves and with one of which said receptacle directly communicates, actuating means connected to that tube with which said receptacle directly communicates and operable incident to upward



movement of said limb member for rotating said tube whereby said receptacle is tilted to pouring position, said actuating means including a shaft pivotally supported with reference to one of said tubes and rigidly connected to that tube with which said receptacle directly communicates, and a link and lever unit associated with said shaft and rendered effective to impart rotation to said shaft incident to upward movement of said limb member.

2,235,637

FOUNTAIN COMB AND BRUSH

Charles M. Hickey, New York, N. Y.

Application April 11, 1940, Serial No. 329,023
5 Claims. (Cl. 132—13)



1. In a device of the character described, a hollow body, applicator elements projecting outwardly along one portion thereof, the interior of said body forming a reservoir for holding a supply of liquid, means within said body defining a liquid discharge chamber and a manifold outlet passage to the applicator elements, a pump cylinder having an inlet communicating with said reservoir, a hollow cylindrical guide disposed intermediate the discharge chamber and said pump cylinder, a reciprocatory piston having a longitudinal passageway therethrough and disposed intermediate its ends within said cylindrical guide with its forward end projecting into said pump cylinder and its opposite end communicating with said discharge chamber, valves normally closing the inlets to said pump cylinder and said passageway through the piston respectively, said cylindrical guide and said body having longitudinally extending registering openings through the walls thereof, a manipulating means connected to said piston and protruding through said openings for manually actuating the piston, and flexible sleeves sealed about said piston at spaced points thereon and at the opposite ends of said guide for preventing leakage of the liquid through the said longitudinal opening in the wall of the body.

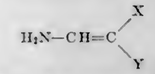
2,235,638

PROCESS OF PREPARING DERIVATIVES OF PYRIMIDINE

Otto Hromatka, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application October 5, 1937, Serial No 167,399. In Germany October 9, 1936
9 Claims. (Cl. 260—251)

1. The process of preparing derivatives of pyrimidine comprising condensing an imido ether with an amino derivative of malonic acid of the type



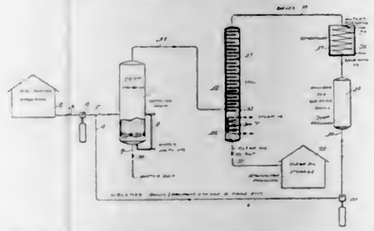
wherein X and Y are monovalent radicals selected from the group consisting of COOR, CN, COH, and COR, and wherein R is an alkyl radical.

2,235,639

RESOLUTION OF OIL AND WATER EMULSIONS

Fred C. Koch, Wichita, Kans., assignor to The Winkler - Koch Patent Company, Wichita, Kans., a corporation of Kansas

Application May 10, 1938, Serial No. 207,018
7 Claims. (Cl. 196—5)



3. A continuous process of resolving oil-and-water emulsions which comprises mixing such an emulsion with a liquefied hydrocarbon in a first zone maintained at an atmospheric temperature and an increased pressure sufficient to keep the mixture in liquid condition, said hydrocarbon being normally gaseous at atmospheric temperatures and pressures, retaining said mixture in said first zone until stratification occurs and the water settles out; discharging the water, transferring the oil-hydrocarbon mixture to a second zone maintained under pressure, heating the oil-hydrocarbon mixture under pressure in said second zone to vaporize the hydrocarbon, withdrawing the residual oil from said second zone, condensing the hydrocarbon under pressure, and turning the resulting hydrocarbon condensate into said first zone to become admixed therein with further quantities of emulsion to be resolved.

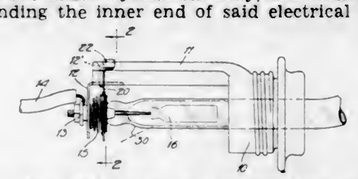
2,235,640

ELECTRODE CONNECTION FOR ELECTRIC SIGNS

Harry L. Kresge, New York, N. Y.

Application June 4, 1940, Serial No. 338,746
5 Claims. (Cl. 173—328)

1. A bushing for illuminated electric signs comprising a hollow cylindrical body, a rigid arm extending from one end of the hollow cylindrical body and having its free end spaced an appreciable distance therefrom, an electrical contact member carried by said arm adjacent the free end thereof, a flexible electric conductor in the form of a compressible coiled spring connected at its outer end to said electrical contact member and extending from the outer end of the arm towards the hollow cylindrical body, and means for suspending the inner end of said electrical con-



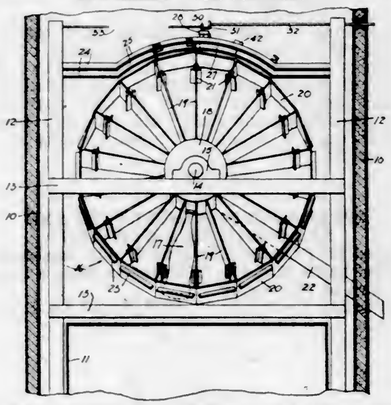
ductor from said arm, said suspending means comprising a plate-like member slidably mounted on said rigid arm and depending therefrom, and means for rigidly connecting the inner end of said conductor to said plate-like member.

2,235,641

DISPENSING MACHINE ESCAPEMENT MECHANISM

Charles C. Kuhl, South Bend, Ind.

Application August 3, 1939, Serial No. 288,100
14 Claims. (Cl. 74—162)



1. The combination with a rotatable member having a plurality of circumferentially arranged peripheral projections positioned at an angle to the direction of rotation of said member, of a guide positioned adjacent the periphery of said member, a carrier slidable on said guide, means for actuating said carrier a predetermined extent, a spring pressed member pivoted to said carrier and normally engaging the trailing edge of one projection, and means for returning said carrier to normal position whereby said pivoted member rides along the succeeding projection to a position therebehind.

2,235,642

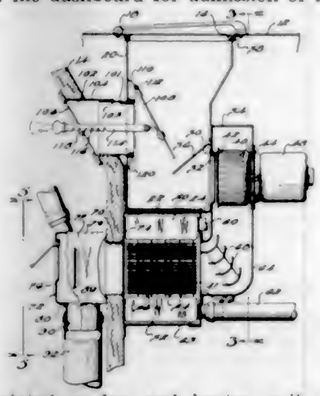
VEHICLE VENTILATING AND HEATING APPARATUS

Alfred R. Lintern, Peter J. Miller, and William T. Downs, Detroit, Mich., assignors to Evans Products Company, Detroit, Mich., a corporation of Delaware

Application April 3, 1937, Serial No. 134,770
9 Claims. (Cl. 98—2)

1. Vehicle ventilating and heating apparatus comprising an automotive vehicle having a dashboard and a windshield, means forming an upright fresh air inlet conduit mounted forwardly of said dashboard and communicating

at its top with the exterior of said vehicle in the high pressure region forward of the windshield, said inlet conduit having an opening at its lower end and another opening above it, the second of said openings communicating directly with the interior of said vehicle through an opening in the dashboard for admission of air to be



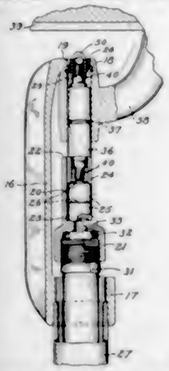
recirculated, a fan and heater unit mounted forwardly of said dashboard, the first of said openings communicating with the inlet of said fan and heater unit, and an air distribution means mounted rearwardly of said dashboard and communicating with said fan and heater unit through a second and lower opening in the dashboard.

2,235,643

APPARATUS FOR INSERTING AND REMOVING SHACKLE PINS

Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin

Application December 27, 1937, Serial No. 181,761
6 Claims. (Cl. 29—86.1)



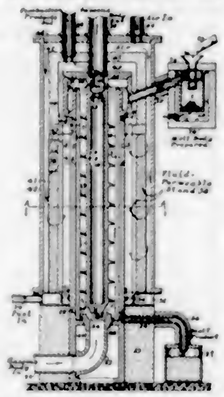
1. An attachment for adapting a jack having external and internal elements relatively movable along an axis for the purpose of inserting and removing shackle pins with respect to their supports, said attachment comprising, an outer elongated member adapted to span the shackle pin and its support and having one end formed for attachment to the end of the external jack element and its opposite end provided with a flange extending across the jack and pin axis, an inner member located between the ends of said outer member and having one end formed for attachment to the corresponding end of the internal jack element and its opposite end provided with an end abutment spaced laterally from said axis sufficiently to clear the shackle pin when said abutment engages the support while the medial portion of said member is provided with another abutment crossing said axis, and a pushing collar adapted to be interchangeably interposed between said flange and the shackle pin when said end abutment is active in removing the support from the pin and between said medial abutment and the shackle pin when said flange engages the pin support and the pin is being inserted.

2,235,644

PROCESS AND APPARATUS FOR EFFECTING CHEMICAL REACTIONS INVOLVING A MELT AND A GASLIKE BODY

Edward Adams Richardson, Bethlehem, Pa.

Application March 9, 1937, Serial No. 129,914
11 Claims. (Cl. 23—81)



1. In the process for the fixation of nitrogen as alkali-cyanide, the steps comprising, producing an alkali-containing melt-body of low melting point, flowing the melt-body at a controlled rate in a uniformly thin film by a direct path through first the stage of heating the film to between 900 and 1050 degrees centigrade, second through the reaction stage in contact with an agent catalytic to the reaction while maintaining the film temperature between 900 and 1050 degrees centigrade, third through the stage of purifying the nitrogen-containing gas by reduction, then recovering the melt-product, meantime introducing nitrogen-containing gases aforesaid in the third stage, sweeping the melt-body film through three stages with the gaslike body in a stream of hydraulic radius small compared with the path of flow thereof and in turbulent flow, introducing pulverulent carbon adapted to the reaction into the gaslike body during the second stage, removing the gaslike product near the melt-body entrance to the first stage, and burning the contained combustible of the gaslike product with combustion-supporting gases while supplying heat required in the process.

2,235,645

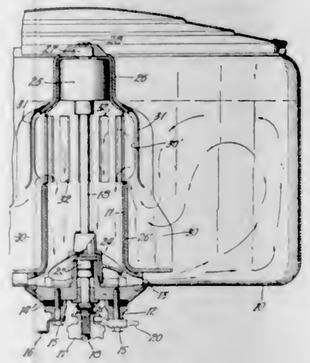
DUAL AGENCY WASHER

William Rocke, South Bend, Ind.

Application October 14, 1939, Serial No. 299,469
3 Claims. (Cl. 68—53)

1. In a domestic clothes washing machine the combination of, a tub, an agitator post in said tub,

a pump impeller in said post, an agitator mounted on said post, power means to rotate the impeller and oscillate the agitator, said power means including a reduced speed oscillating motion gear



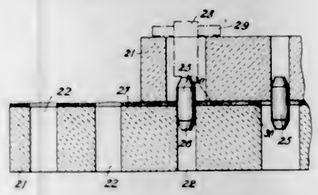
case mounted in the post, fluid inlet means through the agitator and the post, and a fluid orifice near the bottom of the post adjacent the bottom of the agitator.

2,235,646

MASONRY

Max Dimant Schäffer, Vienna, Germany

Application December 23, 1938, Serial No. 247,417
In Austria December 23, 1937
2 Claims. (Cl. 72—101)



1. Masonry comprising vertical courses of bricks having apertures of elongated cross-section and extending at an incline to the edges right through the brick and crossing the one the other in two superposed bricks, and separate solid dowels having each a smooth straight middle portion and tapering at both ends along at least one-fifth of the length and inserted in vertical position into the registering apertures of two superposed courses of bricks and held in position solely by friction on the walls of the apertures.

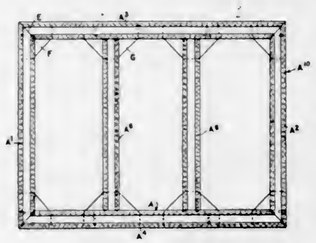
2,235,647

PORTABLE PLATFORM

George D. Shanahan, Clyde C. Huffman, and Elvert R. Warnke, Detroit, Mich., assignors to Steel Plate & Shape Corporation, Detroit, Mich., a corporation of Delaware

Application January 30, 1939, Serial No. 253,652
9 Claims. (Cl. 248—120)

5. A portable platform having two sets of channel-shape members, one set comprising spaced longitudinally extending members, and the other set comprising spaced transversely extending members rigidly secured to said longitudinally extending members, one set of channel-shape members being provided at their upper edges with means for supporting a load, and the other set of channel-shape members being provided at their upper edges with lateral portions over-



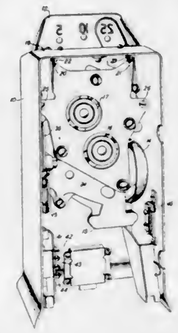
hanging and cooperating with the channels of said members for holding anchorage means for the load.

2,235,648

TELEPHONE COIN COLLECTOR

Oscar A. Shann, Bayside, N. Y., and Albert K. Smith, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 4, 1939, Serial No. 271,630
4 Claims. (Cl. 194—96)



1. A coin collector upper housing having a front, side walls and a top, a multicoin chute in said housing for receiving coins of different denominations, means for supporting said chute in fixed position with respect to said front, a downwardly extending bracket hingedly supported from said top for angular movement towards and away from said chute, removable means for normally holding said bracket in spaced relation with said chute, and a sound signal supported by said bracket and adapted to be selectively actuated by a coin of a certain denomination traversing said chute.

2,235,649

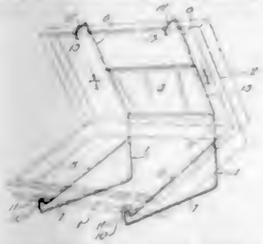
DISPLAY RACK FOR SILVERWARE DISPLAY CASES

John D. Shaw, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey

Application August 21, 1940, Serial No. 353,447
7 Claims. (Cl. 248—199)

6. A rack for silverware display cases and the like comprising a pair of base elements formed of wire, a pair of upper lid holding elements formed

of wire, and an intermediate retaining element comprising sockets on the opposite sides thereof



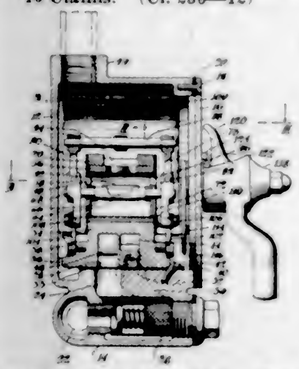
for receiving portions of the base elements and the lid holding elements.

2,235,650
SHAKER CONVEYER
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1940, Serial No. 335,651
9 Claims. (Cl. 198—220)



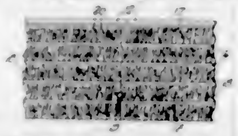
1. In a shaker conveyer trough support, a transverse shaft, a frame including a lower member rockably mounted on said shaft and an upper member reciprocably movable with respect to said lower member for reciprocably supporting a conveyer trough section on said shaft and for guiding said trough section for reciprocable movement in a longitudinal direction, and yieldable means connected between said shaft and lower member and adapted to yield upon the imparting of lateral thrusts on said frame, for yieldably holding said frame in position on said shaft.

2,235,651
MIXING VALVE
Frank Sierak, Maspeth, Long Island, N. Y., assignor to Thermo-Mix, Inc., a corporation of New York
Application December 21, 1937, Serial No. 180,923
10 Claims. (Cl. 236—12)



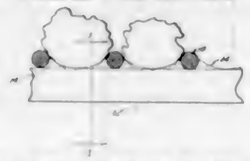
1. In a mixing valve having a mixing chamber, a thermo-responsive element therein responsive to the temperature of the mixed fluid and means for controlling the initial set of said thermo-responsive element, in combination, a housing in said mixing chamber having a pair of semi-circular conduits lying in respectively parallel planes, each adapted to be connected to a source of fluid to be mixed, said housing having a central hollow opening about which said conduits extend, and at least one passage from each of said conduits directed inwardly toward said opening, a hollow cylindrical bushing inserted within said central hollow opening and having a tight fit within said housing, said bushing having slits cooperating with said passages, whereby said conduits communicate with said hollow opening through said respective passages and slits, a vane mounted for rotation within said central hollow opening for controlling the passage of fluid through said slits, means for rotating said vane by said thermo-responsive element, and means for permitting flow of the mixed fluid from said central hollow opening to said mixing chamber.

2,235,652
SIMULATED MASONRY SIDING
Gilbert J. Snyder, South Bend, Ind.
Application September 23, 1939, Serial No. 296,199
7 Claims. (Cl. 20—5)



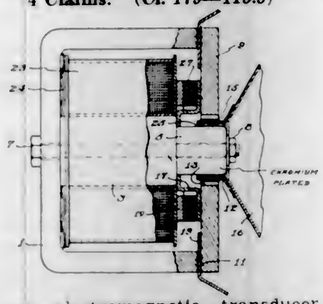
7. A building covering comprising a plurality of abutting coplanar units each having a decorative surface, each unit having a plurality of closely spaced vertically elongated shadow-producing impressions of irregular size and shape extending substantially in the same direction as a joint line between units and of greater width than said joint line, at least one impression on each unit extending to a joint line for coincidence of said line with the longitudinal shadow of said impression.

2,235,653
SCREEN CLOTH FOR HIGH SPEED VIBRATING SCREENS
Lewis E. Soldan, Chicago, Ill.
Application July 21, 1938, Serial No. 220,441
1 Claim. (Cl. 209—401)



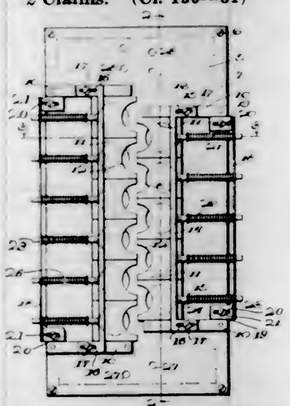
In a high speed vibrating screen having longitudinal side members, a vibrating screen cloth comprising a series of parallel spaced long, smooth springy wires of hard carbon steel, a series of transverse spacers of tough springy resilient metal, said spacers being attached to said wires transversely thereof and at such regularly spaced distances as not to interfere with the natural vibration of said wires, said wires and spacers being attached to each other at their points of intersection by means of solder so placed as to leave open spaces between the wires above the spacers of substantially the diameter of the wire and to permit free vibration of the spacers, said spacers being connected to the side members of the frame under tensile stress to permit natural vibration of the screen cloth as a whole.

2,235,654
SOUND TRANSDUCER
William F. Steers, Maplewood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1937, Serial No. 182,665
4 Claims. (Cl. 179—115.5)



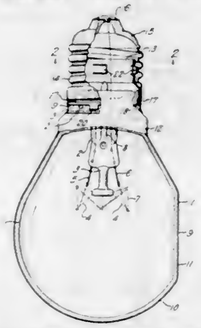
1. In an electromagnetic transducer, pole structure defining an air gap and provided with a polished surface, a sound translating coil structure operatively disposed for longitudinal vibration in said air gap, centering means having poor sound conduction characteristics secured to a surface area of said coil structure within said air gap and slidably engaging said polished surface of said pole structure for movement over said surface during vibration, whereby a sliding surface contact area exists only between said means and said pole structure.

2,235,655
CANE STRIPPER
James J. Stogner, Muscadine, Ala.
Application December 16, 1939, Serial No. 309,679
2 Claims. (Cl. 130—31)



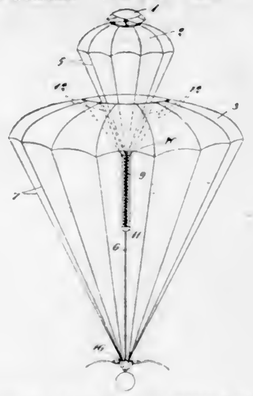
1. In a cane stripper, a plate having a substantially vertical group of cane receiving openings, spacing strips arranged above and below the group of cane receiving openings, horizontally reciprocating blades mounted upon the plate between the spacing strips, said blades having recesses to coact with the openings in the plate, said blades slidably engaging each other and the top and bottom blades slidably engaging the spacing strips, said blades having shoulders, a substantially vertical stop-bar extending transversely of the blades to engage the shoulders and limit the inward movement of the blades and to also retain the blades between the spacing strips, rods connected with the blades, springs surrounding the rods, and a substantially vertical compression bar having openings to receive the rods and serving as common means to compress all of the springs.

2,235,656
BASE FOR ELECTRICAL DEVICES
Georg Thal, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application July 12, 1940, Serial No. 345,245
In Germany July 7, 1939
2 Claims. (Cl. 176—32)



1. A base for electric lamps or similar devices comprising an inner metal sleeve for attachment to the neck of the lamp bulb, and an outer shell shaped to engage a socket, said shell being rotatably mounted on and surrounding said inner sleeve and being locked against axial displacement relative thereto, said inner sleeve being provided with a plurality of outwardly projecting spring elements punched out of the metal of said inner sleeve and engaging the inner side of said shell.

2,235,657
PARACHUTE
Axel Raoul Thörnblad, Stockholm, Sweden
Application February 22, 1938, Serial No. 191,845
In Sweden June 29, 1937
20 Claims. (Cl. 244—152)



1. A composite parachute adapted for release

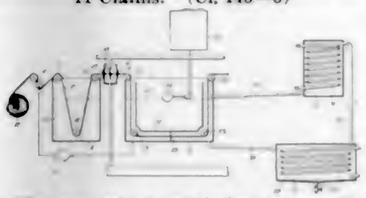
at great initial speeds comprising in combination, a main parachute shaped or arranged respectively as to strive to take up at great speeds an only partly unfolded position, a braking parachute so arranged and dimensioned as to be capable to assist effectively in retarding rapidly the initial speed to the value required to permit complete unfolding of the main parachute, a number of pull lines, said pull lines being fastened at their upper ends to the upper portion of the main parachute and being connected at their lower ends with the load, and elastic means included in said pull lines, said elastic means permitting the main parachute to take up its partly unfolded position at great speeds while positively causing the parachute to take up its fully unfolded position when the speed has fallen below a predetermined value.

2,235,658

ART OF RECLAIMING REAGENT

Herbert Waterman, Manhasset, N. Y., assignor to Aerovox Corporation, Brooklyn, N. Y., a corporation of New York

Application February 23, 1938, Serial No. 191,887
11 Claims. (Cl. 148—8)



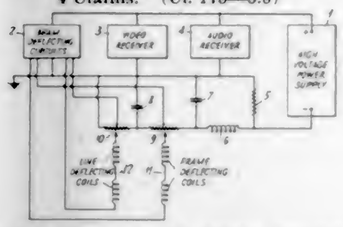
11. The process of reclaiming a reagent solution, which at a given concentration has a constant boiling point, which consists in progressively distilling the used reagent to remove the product of reaction and returning the distillate to the reagent container, and adding reagent at rate and in concentration to maintain the reagent solution at the original concentration.

2,235,659

ELECTRONIC APPARATUS

Eric Lawrence Casling White, Hillingdon, Middlesex, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application October 5, 1938, Serial No. 233,341
In Great Britain October 12, 1937
4 Claims. (Cl. 178—5.8)



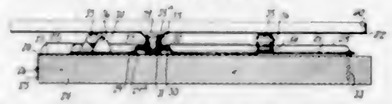
1. A television receiving system comprising a video receiver, an audio receiver for receiving sound signals accompanying video signals, a video reproducer including a cathode ray tube and cathode ray deflecting means, a source of supply voltage, a series resistance connected in one lead of said source of voltage, means to supply voltage from said source to said video receiver, said audio receiver, and said deflecting means through said resistance, a potentiometer connected across said resistance and connections from said deflecting means to said potentiometer.

2,235,660

PACKAGE HOLDER FOR ATTACHMENT TO SHELVES

George D. Wiepert, New Haven, Conn.

Application April 6, 1940, Serial No. 328,187
1 Claim. (Cl. 211—86)



A device of the class described comprising: a mounting-member having a plate-like body-portion provided at each of its respective opposite side edges with one of two opposed upwardly-and-inwardly turned guide-flanges, the said mounting-member also including a limiting-flange extending downwardly from the front edge of the plate-like body-portion into position to engage with the front edge of a shelf upon which the said body-portion rests; a plate-like carrier-member slidable upon the said plate-like mounting-member and having its respective opposite side edges slidably engaged with the guide-flanges of the said mounting-member; an annular series of rollers mounted upon the upper surface of the body-portion of the said carrier-member; and a rotary package holder pivoted to the body-portion of the said carrier-member at a point substantially central with respect to the center of the said annular series of rollers and resting upon the latter.

2,235,661

HYDROHALIDES OF PSEUDOTROPINE BENZILIC ACID ESTER

Otto Wolfes and Otto Hromatka, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application August 17, 1938, Serial No. 225,348. In Germany June 1, 1935
4 Claims. (Cl. 260—292)

1. Hydrohalides of benzilic acid ester of pseudotropine.

2,235,662

HOUSE CAR

David D. Archart, Flint, Mich., assignor to Palace Travel Coach Corporation, Flint, Mich., a corporation of Michigan

Application August 16, 1937, Serial No. 159,425
5 Claims. (Cl. 296—29)



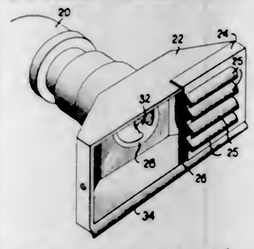
1. A trailer house car comprising a plurality of sections including a platform unit section, and a superstructure including opposite side sections, front and rear sections and a top section, each of the sections of said superstructure being separately formed of a ply board facing and reinforcing strips secured thereto including a marginal strip, the abutting edges of said sections having the ply board of one overlapping said marginal reinforcing strip of the other and being secured thereto to permanently hold the sections in assembled relation.

2,235,663

VENTILATION AND TESTING DEVICE

Frank Bachmann, New York, N. Y.

Application April 15, 1938, Serial No. 202,163
5 Claims. (Cl. 220—44)



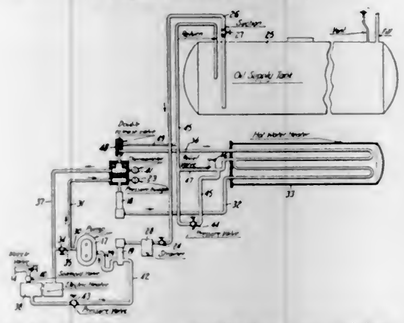
1. In combination a supply tank, a conduit leading from said tank, a member positioned in a building wall, said member having an opening in the front thereof leading to the exterior of the wall, an attachable cover for said opening, said cover having openings therein for the passing of air and liquid through said member, a second opening in said member, a connection engaging said member at the second opening and engaging said conduit, both engagements being non-leaking, a portion of said connection adapted to receive a plug without removing said member from the wall to allow testing of the tank for pressure.

2,235,664

OIL BURNING APPARATUS

Frank Bachmann, New York, N. Y.

Application April 20, 1938, Serial No. 203,044
6 Claims. (Cl. 158—36)



5. An oil burner installation comprising in combination a hinged oil burner unit including a pump, a hinge mounting for said oil burner unit including supporting conduit elements and cooperative conduit elements, an oil heater on the stationary side of the hinge mounting, said supporting elements having relative turning movement to permit swinging movement of the burner unit, said hinge mounting being provided with a first longitudinal oil passage, a rigid conduit from the discharge side of the pump communicating with said first oil pasasge, a rigid conduit from said heater communicating with said first oil passage, said hinge mounting being provided also with a second longitudinal oil passage, a rigid conduit from the heater communicating with said second oil passage, and a rigid conduit from the oil burner communicating with said second oil passage.

2,235,665

PROCESS OF MANUFACTURING POTTERY WITH INCISED OR INCRUSTED DESIGNS

George A. Bauer, Baltimore, Md.

Application April 20, 1940, Serial No. 330,637
3 Claims. (Cl. 41—24)



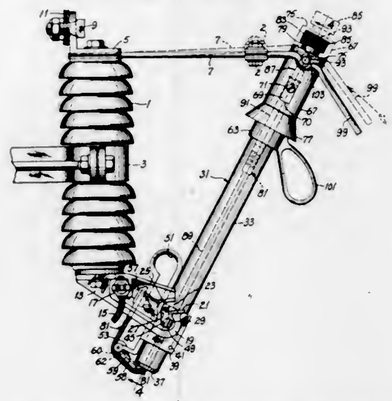
3. The herein-described process of manufacturing decorated chinaware and pottery in the clay state consisting of first forming the article of clay, or other suitable material, then placing thereon a stencil, then spraying clay, or other material, in a semi-liquid condition over the surface of the article which is still in the raw or unbaked state, and after the clay, or other material, has set sufficiently, removing the stencil, then baking the article and after being thoroughly baked, applying a glazing material by spraying, or otherwise, to the article and then again baking in the usual manner.

2,235,666

FUSE

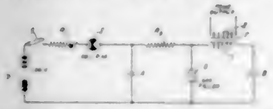
Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri

Application May 31, 1939, Serial No. 276,523
6 Claims. (Cl. 200—114)



1. A fuse comprising a fixed line terminal and a movable line terminal spaced therefrom, said movable line terminal comprising a springing cantilever biased in a direction away from the fixed line terminal, a fuse holder, a fixed terminal-engaging element on one end of the fuse holder having a rotary support on the fixed line terminal, a movable terminal-engaging element at the other end of the fuse holder, a fuse link in the holder connecting the fixed and movable terminal-engaging elements and holding them relatively closely together, the parts being arranged so that upon rotation of the fuse holder with respect to the fixed line terminal, said movable terminal-engaging element will deflect the cantilever toward the fixed line terminal to tension the fuse link in the fuse holder.

2,235,667
RELAXATION OSCILLATOR
Frank E. Blount, Cedar Grove, and Alfred K. Schenck, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1938, Serial No. 246,174
4 Claims. (Cl. 250—36)



4. In a relaxation oscillator, an oscillating circuit comprising a glow discharge tube and a condenser in series, means for causing said tube to alternately fire and extinguish at cyclically varying intervals to produce successive groups of constant frequency oscillations in said oscillating circuit recurring at the rate at which said tube fires, said means comprising a high resistance circuit including a periodically interrupted source of direct current shunted by a second condenser, said high resistance circuit being connected in parallel with one of said oscillating circuit units.

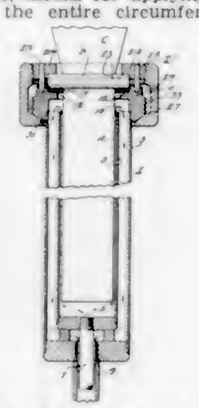
2,235,668
SEED SEPARATOR
Albert H. Cherry, Minneapolis, Minn.
Application December 21, 1939, Serial No. 310,347
10 Claims. (Cl. 209—114)



1. In a separator of the kind described, a belt having an upwardly and transversely inclined separating surface, and a co-operating agitator roll extending transversely over the separating surface and engaged by the belt, and means for changing the direction of movement of the belt from the agitator roll and thereby forming a trough between the belt and the agitator roll, means for depositing materials to be separated on the separating surface at the uppermost edge portion thereof, whereby said materials will be carried by the belt under the agitator roll and into the trough where the same will overflow onto the agitator roll and be returned thereby onto the separating surface.

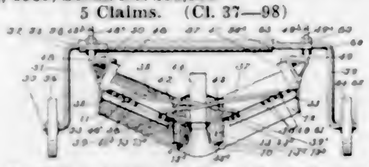
2,235,669
ELECTRON DISCHARGE APPARATUS
James W. Conklin, Audubon, and Robert Serrell, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application November 30, 1938, Serial No.243,224
4 Claims. (Cl. 250—27.5)

1. The combination with a discharge tube having a part to be cooled and an outwardly extending circumferential flange on said part, of a hollow fluid receptacle having a shoulder upon which a surface of said flange rests, an annulus adapted to be fitted about the opposite surface of said flange, means for applying a clamping force about the entire circumference of said



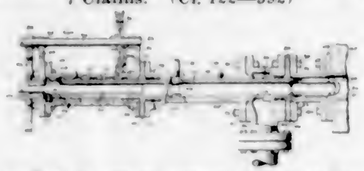
tube flange through said annulus and means for preventing rotary movement of said annulus with respect to said flange upon the application of said clamping force.

2,235,670
IRRIGATION DITCHER
Robert C. Chattin, Boise, Idaho
Refiled for abandoned application Serial No. 131,189, March 16, 1937. This application July 14, 1939, Serial No. 284,511
5 Claims. (Cl. 37—98)



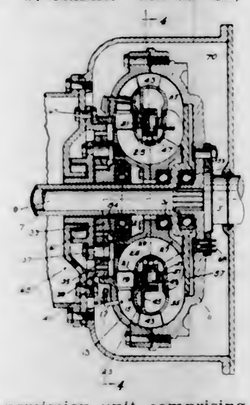
1. A ditcher having a forward earth entering member, wings pivotally secured to the forward member for lateral adjustment relative thereto and extending outwardly and rearwardly, a draw beam extending forwardly from said forward member and adjustably connected thereto, means for supporting the forward end of the beam, telescoping crank axles adjustably secured to and near the rear of the wings, wheels carried by said crank axles whereby the ditcher wings may be raised or lowered, and means for adjusting the wings laterally.

2,235,671
SOOT BLOWER
Le Roy S. De Mart, Detroit, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application August 17, 1938, Serial No. 225,425
7 Claims. (Cl. 122—392)



1. In a fluid heater cleaner, a casing housing, a movable blower tube, means for moving said blower element to a predetermined position outwardly of said casing and there rotating said tube about its longitudinal axis through any desired number of rotations, said means comprising cooperating guide members causing longitudinal and rotative movements of said tube under manual actuation, said members disengaging after a predetermined longitudinal travel, a third member freely rotatable in one direction with which one of said guide members engages upon disengagement with the other of said guide members, means restraining said third member against rotation in reverse direction, and means causing disengagement of said third member and the guide member with which it engages and automatic re-engagement of said guide members upon reversal of said manual actuation.

2,235,672
TRANSMISSION
Adiel Y. Dodge, South Bend, Ind.
Application January 26, 1935, Serial No. 3,544
17 Claims. (Cl. 60—54)



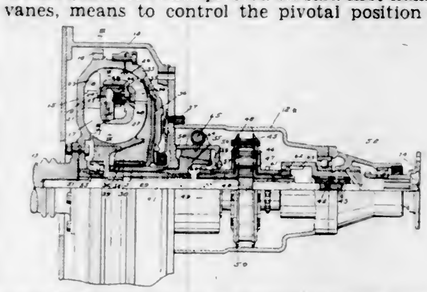
1. A transmission unit comprising coaxial rotatable driving, driven and intermediate members having cooperating vanes, means forming a sectional ring-shaped core carried by said vanes, and gearing within said core interconnecting said members.

16. A fluid torque converter comprising an impeller, a rotor and a stator and speed varying means connecting the stator to the rotor for restraining movement of the stator in a forward direction to a speed less than the rotor speed whereby it provides a negative reaction member for overdrive.

2,235,673
TRANSMISSION
Adiel Y. Dodge, South Bend, Ind.
Application August 10, 1936, Serial No. 95,117
6 Claims. (Cl. 192—3.2)

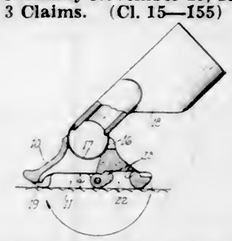
4. A hydraulic torque converter comprising a vaned rotor, a vaned impeller and a vaned stator forming a fluid circuit, said impeller having two interconnected series of pivoted vanes adjacent its outlet end, means for controlling the position of one of said series of vanes in response to operating conditions, means operated by said one series of vanes for controlling the position of the other series, and a clutch responsive to the speed of the rotor for connecting the rotor and the impeller.

5. In a hydraulic torque converter having a rotatable impeller forming a part of a fluid circuit, a series of vanes pivoted on the impeller, a second series of vanes pivoted on said first named vanes, means to control the pivotal position of



said first named vanes, and interengaging means on the second series of vanes and the impeller to control the position of the second series of vanes.

2,235,674
SUCTION NOZZLE
Axel Albert Forsberg, Essingen, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application November 18, 1938, Serial No. 241,217
In Germany November 19, 1937
3 Claims. (Cl. 15—155)

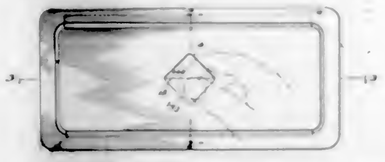


1. In a suction nozzle for cleaning a surface, a hollow body formed with a cleaning opening bounded by lips, and a member movable with relation to said body from a position outside said opening to a position reducing the effective cross-sectional area of said opening, the dimensions of said member being such with respect to those of said opening that when the member is in the second-mentioned position there is provided a small opening between said member and one of said lips, the portion of said lip adjacent to said small opening being cut away to provide a passage for flow of air over said surface and into said small opening, said member having a passage forming an auxiliary air inlet to said hollow body when said member is in the second-mentioned position and spaced from said surface, the material bounding said auxiliary inlet on the side thereof which is adjacent to said surface when the member is in said second-mentioned position extending downwardly to contact said surface when the nozzle is in operative position on the surface.

2,235,675
DISPENSIVE DEVICE FOR SANITARY BRUSHES
Augustin J. Fournier, Taunton, Mass.
Application August 17, 1938, Serial No. 225,305
1 Claim. (Cl. 206—57)

A dispensive device for sanitary brushes comprising a pack of folded tissues, each folded tissue being formed from a blank sheet folded twice upon itself along parallel fold lines, the first fold line being substantially midway of said sheet, and

the second fold line being such as to position said medial fold line substantially midway between the top and bottom edges of the twice folded sheet; a container within which said pack of folded tissues is contained, said container having a front with opening therein for finger entry, said opening being centrally positioned in said front and exposing only the central portion of said medial fold line of the contained tissues, said pack of folded tissues being uniformly arranged within said container in superposed order with



the foremost one of the pack bearing against said front of the container around said opening therein and with its said fold line exposed to cross said opening whereby said foremost tissue and each succeeding tissue as it becomes a foremost tissue may be individually grasped at its exposed fold line and the tissue be withdrawn from said container through said opening and thereby be made to assume, through stress of withdrawal through said opening, a substantially brush form.

2,235,676

OFFSET PREVENTING MATERIAL

Herbert F. Gardner, Chicago, Ill., assignor to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 22, 1939, Serial No. 296,075
10 Claims. (Cl. 101—416)

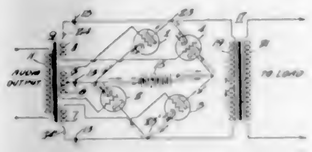
1. An offset preventive comprising a substantially water insoluble amylaceous substance and a substantially non-adhesive hydrogel suspending medium for said substance, the weight ratio of said water insoluble amylaceous substance to said hydrogel suspending medium being within the range from about 35:1 to about 1:1.

2,235,677

AMPLIFIER FOR SIGNAL TRANSMISSION

Samuel Gubin, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1937, Serial No. 177,375
14 Claims. (Cl. 179—171)



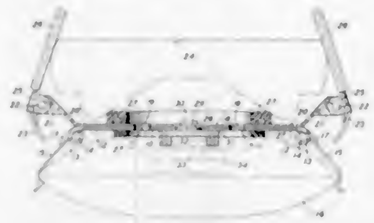
1. A signal amplifier of the balanced type comprising, in combination, two pairs of thermionic tubes connected in bridge relation, an input coupling network arranged to control in phase a pair of tubes in opposite arms of the bridge during a half cycle of input signal energy and the other pair of tubes during the other half cycle of energy, and an output transformer connected across a diagonal of said bridge.

2,235,678

MOUNTING ATTACHMENT FOR TELEPHONE INSTRUMENTS

Karl E. Hammer, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 19, 1939, Serial No. 300,138
5 Claims. (Cl. 179—146)



1. An attachment for a telephone instrument having a control member, the attachment comprising a support portion, a second support portion having means for receiving and holding the telephone instrument, said second support portion being rotatable with respect to said first portion, and means fixed to said first portion for engaging said control member whereby said member may be actuated by rotation of one of said portions with respect to the other.

2,235,679

PROCESS OF PRODUCING CYCLOPROPANE

Henry B. Hass and George E. Hinds, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Application June 13, 1936, Serial No. 85,048
3 Claims. (Cl. 260—666)

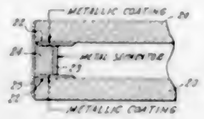
1. The process of producing cyclopropane, which consists in bringing 1,3-dichloropropane and zinc together in the presence of iodide ions.

2,235,680

MULTIPLE GLASS SHEET GLAZING UNIT AND METHOD OF MAKING THE SAME

Charles D. Haven and John J. Hopfield, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application July 14, 1937, Serial No. 153,458
14 Claims. (Cl. 20—56.5)



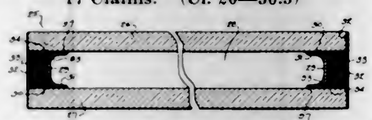
1. A multiple glass sheet glazing unit of the character described, comprising two spaced parallel sheets of glass, metallic coatings arranged around the marginal portions of the opposed surfaces of said glass sheets and firmly adherent thereto, and a metal spacer strip arranged between the glass sheets and secured to the metallic coatings, said spacer strip being positioned inwardly of the peripheral edges of said sheets and approximately centrally of said metallic coatings.

2,235,681

MULTIPLY GLASS SHEET GLAZING UNIT

Charles D. Haven and John J. Hopfield, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application August 8, 1938, Serial No. 223,635
17 Claims. (Cl. 20—56.5)



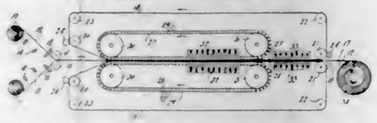
1. A multiply glass sheet glazing unit of the character described, comprising a plurality of parallel spaced glass sheets, a sprayed metal ribbon arranged around the marginal portions of the opposed surfaces of said glass sheets and firmly adherent thereto, a flexible-ductile metal separator strip arranged entirely around the marginal portions of said glass sheets and lying between the metal ribbons on the glass sheets, and low melting point metal fillets carried by the separator strip on both sides thereof and along both edges thereof, said fillets being firmly united to the metal ribbons on the glass along both the inside and outside of each edge of the separator strip in a manner to create a hermetically sealed space between adjacent sheets of glass.

2,235,682

METHOD OF MAKING ELASTIC PLY FABRIC

Thomas G. Hawley, Jr., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application February 12, 1937, Serial No. 125,367
4 Claims. (Cl. 154—40)



1. The method of making an elastic ply fabric comprising applying aqueous dispersion of rubber to the surfaces of two textile fabric sheets, adhering said sheets together with the adhesive binder formed from said aqueous dispersion of rubber, engaging the outer surfaces of the textile sheets with stretched elastic surfaces and pressing said textile sheets together between said elastic surfaces, releasing at least some of the tension on said elastic surfaces while in engagement with the outer surfaces of the textile sheets and thereby condensing the textile sheets by the contraction of said elastic surfaces, and heating and drying said adhesive binder while said textile sheets are retained in engagement with said contracted elastic surfaces and held thereby in the condensed condition to some extent and until said binder is imparted sufficient strength to retain said textile sheets in the condensed condition.

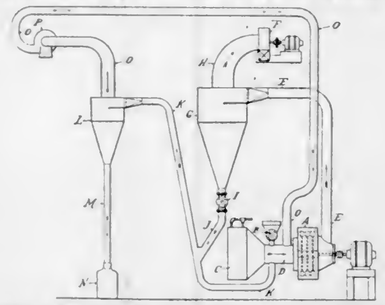
2,235,683

DRYING PROCESS

Anthony C. Horesi, Downers Grove, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

Application July 11, 1938, Serial No. 218,663
11 Claims. (Cl. 34—24)

1. Process of drying starch in a moist but nonfluent state without substantial gelatinization of the starch which comprises: subjecting the starch cake to a milling operation which reduces it to a finely divided state; and simultaneously subjecting the starch in this state to contact with a stream of drying gas from a source outside the



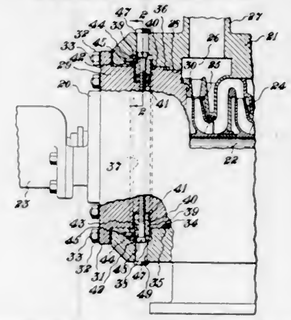
process and heated to a temperature above the gelatinizing temperature of the starch to instantaneously remove the major portion of the moisture.

2,235,684

LOCKING DEVICE

Hanns Hornschuch, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application November 10, 1938, Serial No. 239,749
2 Claims. (Cl. 220—55)



1. In combination, outer and inner members in telescopic engagement with each other and said members having registering annular recesses, locking elements in the recess of the inner member seating against a side surface of the recess in said inner member, an inclined surface on one side of the recess in the outer member, bolts in the periphery of the outer member threadedly engaging the locking elements for drawing the locking elements radially outwardly along the inclined surface to lock the members together, and bolts in the locking elements threaded into the inner member for actuating the locking elements out of engagement with the outer member and for securing the locking members in the annular recess of the inner member.

2,235,685

METAL CABLE HANGER

Charles H. Klein, Cleveland, Ohio, assignor to The National Telephone Supply Company

Application April 6, 1940, Serial No. 328,334
5 Claims. (Cl. 248—61)

4. A hanger for supporting a cable from a messenger strand comprising two supporting hooks and a lateral bar portion, a strap attached

at one end to said bar portion and adapted to be wrapped several times about the said cable to be supported, and fastening means attached to the said strap near said bar portion, said fastening means extending away from said strap whereby said strap may be wrapped several times



about said cable without interference from said fastening means and said fastening means being adapted to fold over the several reaches of the strap to fasten the said strap and establish a bar about which the said strap can be folded back upon itself to prevent slippage.

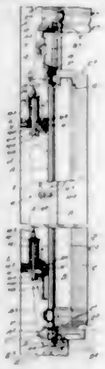
2,235,686

CLOSURE FOR HORIZONTAL COKING CHAMBERS

Joel Sanford Potter, West Nyack, N. Y., assignor, by mesne assignments, to Wilputte Coke Oven Corporation, New York, N. Y., a corporation of Maine

Original application June 12, 1937, Serial No. 147,878. Divided and this application January 31, 1939, Serial No. 253,765

4 Claims. (Cl. 202—248)



1. A self-sealing end closure for horizontal coking chamber comprising a door frame formed with a recess in its top or lintel portion and with a substantially horizontal bottom wall for said recess, of a self-sealing plug type door comprising a plug section and a rigid outer section having an inwardly extending hook portion at its top adapted to enter said recess and engage and be supported by said bottom wall as said door is being moved horizontally into its closed position in which said plug section extends into said door frame, said bottom wall being constructed to receive said hook portion on solely horizontal approach of the latter.

2,235,687

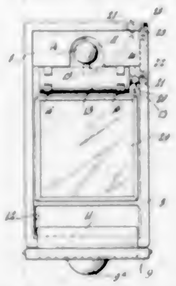
VANITY CASE

Evelyn Ray, New York, N. Y.

Application February 27, 1939, Serial No. 258,780

2 Claims. (Cl. 240—6.45)

1. In a vanity case, a body, a cover hingedly connected thereto, said cover having an outwardly pressed portion adjacent the end opposite the hinged connection of the cover, a mirror mounted on the inside of the cover between said outwardly pressed portion and hinged connection of the cover with the body, means to removably mount a lamp and a battery on the cover within said outwardly pressed portion adapted for electrical connection and grounding of one terminal of the lamp and battery in the cover and the lamp mounting arranged to position the lamp to extend beyond the face of the mirror, and a switch mounted on the cover connected



to the other terminal of the lamp and battery, including a fixed contact terminal and a contact terminal movable into and out of contact with said fixed terminal and normally urged into and retained in engagement with the fixed terminal in the case opening position of the cover and adapted to be actuated to and retained out of contact with the fixed contact terminal by the body in the case closing position of the cover.

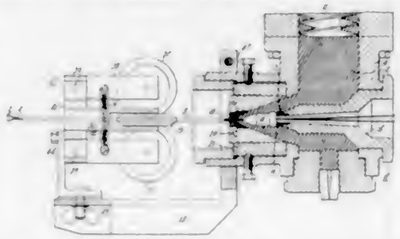
2,235,688

METHOD AND APPARATUS FOR MAKING ELECTRICAL CABLES

Carleton W. Short, East Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application September 6, 1935, Serial No. 39,439

12 Claims. (Cl. 18—13)



3. A cable forming apparatus comprising a die having a passage therein for covering parallel electrical conductors with a unitary body of insulating material, said die having a member extending into said passage from a wall thereof and positioned to form substantially separate passages for the conductors, the portion of said member adjacent to the wall of said passage being thinner in the direction transverse to the axial direction of said passage than the adjacent portion extending into the passage so as to form a recess in the insulating material extending from a surface thereof between and past a pair of conductors, and means for bringing the edges of said recess together at the surface of the cable and permanently closing the recess to form a chamber in the insulating material.

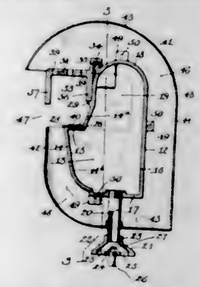
2,235,689

GAS BURNER

Theophilus Symmonds, Buffalo, N. Y.

Application April 20, 1938, Serial No. 203,119

7 Claims. (Cl. 158—116)



1. A gas burner having a hollow body portion provided with an upwardly facing wall portion, said wall portion having mixture escape openings therein, and a baffle disposed above said upwardly facing wall portion and having openings therein through which the flames issuing from said mixture escape openings may pass, said baffle having a depending confining wall terminating at its lower end in spaced relation to said upwardly facing wall.

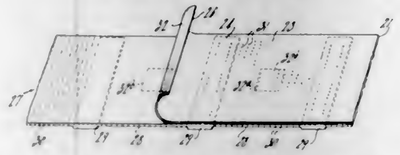
2,235,690

LAMINATED ELASTIC FABRIC AND THE METHOD OF MAKING THE SAME

Merwyn C. Teague, Ridgewood, N. J., and Thomas G. Hawley, Jr., Naugatuck, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application November 30, 1937, Serial No. 177,214

13 Claims. (Cl. 154—2)



1. A laminated fabric comprising areas which have elastic extensibility in one direction and areas which have relatively no elastic extensibility in such direction, said fabric comprising a lamina of thread fabric and a lamina of elastic rubber bonded to said lamina of thread fabric, the lamina of thread fabric in the first named areas being normally extensible and retained in a super-relaxed condition by said rubber lamina, and the lamina of thread fabric in the second named areas being relatively non-extensible and retaining said rubber lamina in a relatively non-extensible condition in said direction of elasticity of the first named areas.

4. The method of manufacturing laminated elastic fabric having some areas provided with more elastic extensibility than others, said method comprising the steps of stretching a super-relaxing sheet more in some areas than in others, adhering a web of thread fabric to said stretched super-relaxing sheet with a rubber adhesive, releasing a substantial amount of the stretching force and thereby causing the super-relaxing sheet to contract along the lines of stretch and super-relax said thread fabric more in some areas than others, and vulcanizing said adhesive to said thread fabric and to said super-relaxing sheet.

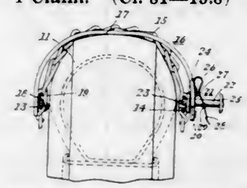
2,235,691

TIRE CHAIN APPLYING DEVICE

William H. Temme, New Kensington, Pa.

Application March 11, 1939, Serial No. 261,213

1 Claim. (Cl. 81—15.8)



A device for attaching tire chains having side chains and cross chains to a tire, which device comprises an arcuate body member adapted to span a tire, a tire-chain engaging stud projecting inwardly from the inner face of one end of the member, a clamping pin projecting inwardly from the other end of the member and oppositely disposed relative to the stud, said stud being of a height which is less than the thickness of the side chain and of dimensions less than the openings in the side chains, said clamping pin having an end which is of such dimensions that it may be received in the openings in the side chains and having a chain-engaging shoulder thereon spaced from the inner end of the pin a distance which is less than the thickness of the side chain, and means for releasably holding the pin rigidly against sliding movement in a direction away from the said stud only, said means comprising a leaf spring having a fixed leg fastened to the body member and a free leg which extends along and angularly away from the body member and has therein an opening through which the clamping pin passes, the arrangement being such that when the free leg is in position near the body member the pin can readily be moved toward or from the stud but when the free leg is distant from the body member the pin is freely movable toward the stud but immovable away from the stud.

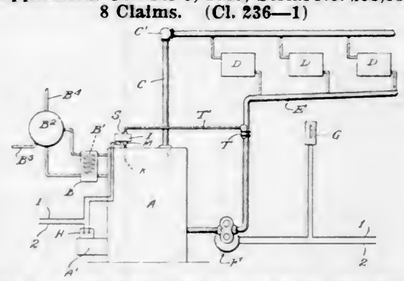
2,235,692

HOT WATER HEATING SYSTEM

William Walter Timmis, Pleasantville, N. Y., assignor to Herske & Timmis, New York, N. Y., a corporation of New York

Application October 9, 1939, Serial No. 298,536

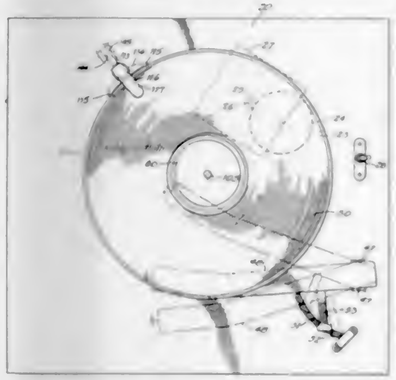
8 Claims. (Cl. 236—1)



4. In a hot water heating system, the combination of radiators, a regulable water heater, means for passing water from the heater to the radiators and back to the heater at a rate which may be increased to increase the radiator

heating effect, heater regulating means responsive to the heater water temperature and tending to maintain that temperature approximately constant, and means responsive to the temperature at which water passes back to the heater from the radiators operative to modify the action of said regulating means so as to increase or decrease the temperature to which the water is heated in accordance with an increase or decrease in the temperature at which the water passes back to the heater.

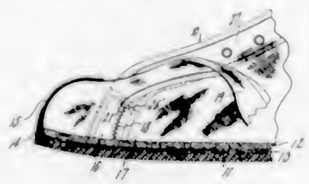
2,235,693
PHONOGRAPH
Albert S. Wells, Chicago, Ill., assignor to Wells-Gardner & Co., Chicago, Ill., a corporation of Illinois
Application June 22, 1940, Serial No. 341,831
28 Claims. (Cl. 274—10)



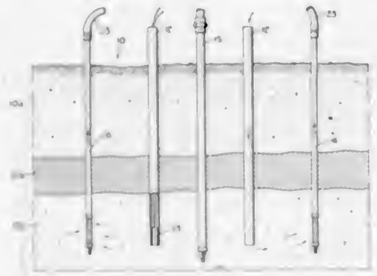
1. In a phonograph, a substantially vertical supporting post for engaging the central openings of disc records to be played thereby, the post being stationary and having an integral offset vertical portion for supporting records in horizontal position at the upper end and a lower record playing portion, the offset post portion being free and unobstructed at the top for the application of records thereto, and means at the offset engageable in the central opening of a record supported thereon and rotatable about the axis of the lower post portion for discharging the lowermost record from the offset vertical portion to the lower playing portion.

2,235,694
FOOTWEAR CONSTRUCTION
Frederick H. Wolfhard, St. Jerome, Quebec, and Leighton C. Woodall, Notre Dame de Grace, Montreal, Quebec, Canada, assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 25, 1938, Serial No. 242,260
3 Claims. (Cl. 12—146)

3. The method of making shoes comprising the steps of cutting out a one-piece vamp and tongue, slitting the opposite edges of said piece near the region of merger of the vamp and tongue, binding the edges of the tongue by stitching a strip of binding thereto along such edges up to and terminating at the slits, extending the ends of the binding through the slits from the inside surface of the piece to the outside, cutting out a quarter with front edges corresponding to the side edges of the vamp, slitting the front edges of the quarter, stitching outside eyelet stays to said quarter to a point adjacent to said slits therein and leaving the ends of said stays unstitched, arranging the side edges of the vamp in abutting relation with the front edges of the quarter so that the slits in the quarter and the one-piece vamp and tongue are substantially in line, folding the front end of the stays and the front ends of the quarter extending above said slits backward at said slits and toward the rear portion of said quarter, and securing said abutting edges of said quarter and vamp together with cross stitches to form butt seams, and stitching the unstitched ends of the eyelet stays on each side of said seam to the quarter and the vamp.



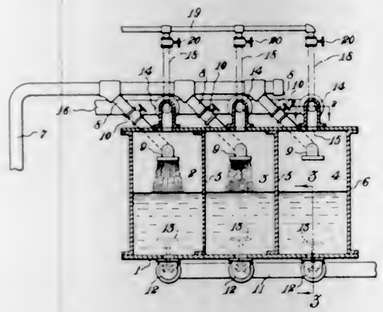
2,235,695
METHOD OF RENDERING EARTH MATERIALS SOLID
Charles S. Ackley, New York, N. Y.
Application April 22, 1937, Serial No. 138,361
5 Claims. (Cl. 61—36)



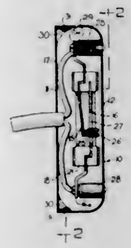
1. A method of heat treating earth materials which contain an excess of moisture comprising planting a charge of an ignitable mixture of finely divided aluminum and iron oxide within such earth materials, igniting such mixture; establishing suction at one or more locations removed from the resulting center of radiant heat for directing the flow of generated steam throughout, and the removal thereof from, a zone of the earth materials being treated.

2,235,696
REFRIGERATING APPARATUS AND METHOD
Paul A. Bancel, Montclair, N. J., and John Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Continuation of application Serial No. 716,938, March 23, 1934. This application filed November 25, 1938. Serial No. 242,230
16 Claims. (Cl. 62—152)

1. Refrigerating apparatus having multiple chambers wherein a refrigerant is cooled, evacuator members for said chambers, refrigerant supply and delivery members for said chambers, the supply members being united and the delivery members being united, and means for selectively controlling the said members for rendering any chamber inactive at any instant and thereby selectively controlling the operation of said chambers.

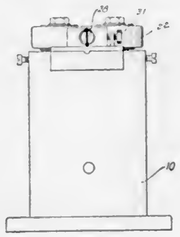


2,235,697
THERMOSTAT
Edward S. Cornell, Jr., Larchmont, N. Y.
Application January 5, 1938, Serial No. 183,437
4 Claim. (Cl. 200—138)



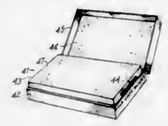
1. A thermostat, comprising the combination with a supporting structure, of a thermally responsive electrical switch unit removably secured thereto; said unit including a plurality of wall-forming elements of electrical insulation material arranged to form a substantially quadrilateral housing in which abutting end walls and spaced side walls of said elements define an opening; a plurality of electricity conducting elements disposed within said opening and secured therein by engagement of such housing end walls with said electricity conducting elements; one of said elements being bi-metallic and having a free end portion freely movable within said housing and arranged to make or break electrical contact with another of said elements under the influence of changes in ambient temperature; said electricity conducting elements projecting from the ends of said housing to afford means for effecting connection with an electrical circuit and additionally serving as means for mounting said thermostat switch unit on said supporting structure.

2,235,698
METHOD AND APPARATUS FOR WIRE FORMING
Floyd O. De Millar, Warwick, R. I., assignor to Elastic Knitted Wire Co. Inc., a corporation of Rhode Island
Application January 16, 1939, Serial No. 251,223
11 Claims. (Cl. 140—128)



1. In the manufacture of wire loops in strip form, the steps of feeding a wire coil to a former die, and exerting a resilient pull to draw wire loops through the former die.

2,235,699
RAZOR BLADE RECEPTACLE
Harry B. Dickson, New York, N. Y., assignor of one-half to Eleanor Austin Dickson, New York, N. Y.
Application October 13, 1937, Serial No. 168,793
1 Claim. (Cl. 206—16)

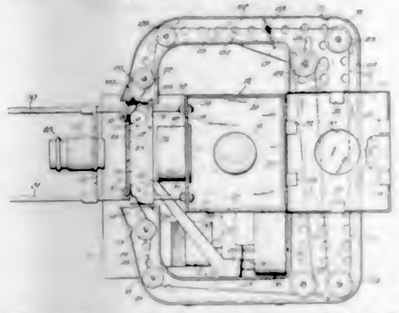


A box consisting of a body portion having closed sides, top and bottom and provided with a receiving slot through one of said sides, a hinged lid having a flanged portion for said box swingable to and from the body portion to cover and uncover the body portion with the flanged portion extending over said slot and closing the same when the lid is in closed position, said lid when in closed position with the top of said body portion cooperating to provide a second compartment.

2,235,700
TEA EXTRACT AND PROCESS OF PRODUCING THE SAME
Frank R. Eldred, Mount Tabor, and Ray N. Reed, Midvale, N. J.
No Drawing. Application October 12, 1939, Serial No. 299,100
15 Claims. (Cl. 99—77)

1. The process of producing a concentrated tea extract which comprises removing the air from tea leaves by subjecting the leaves to a high vacuum, applying cold water to the leaves while still subjected to vacuum to extract cold water soluble constituents, extracting in vapor phase the volatile constituents from tea leaves at a boiling temperature, and combining the volatile constituents with the cold water soluble constituents.

2,235,701
PROJECTION DEVICE
Clyde E. Elliott and Frank Shaven, Chicago, Ill., assignors, by mesne assignments, to said Elliott
Application April 20, 1938, Serial No. 203,038
3 Claims. (Cl. 88—28)



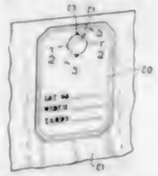
1. In a sign projection machine of the class described, a vertically-disposed lamp housing, lens means mounted on the side of said housing, a lamp in said housing for producing light to be trained to the outside thereof through said lens means, a film carrying transparent signs, a film holder positioned in front of said lens means, comprising an apertured bracket and sprocket means thereon for moving said film past the light trained to the outside through said lens means, a film housing disposed peripherally around said lamp housing and secured to said bracket, means in said film housing for movably supporting said film, motor means for actuating said sprocket means to move said film, means actuated by said motor means for cooling said lamp by circulating air through said lamp housing, and means also actuated by said motor means for blowing cooling air against the section of said film which is illuminated by the light emitted through said lens means.

2,235,702
METHOD FOR THE REFINEMENT OF COPAL OILS, RESIN OILS, RESIN BALMS, AND THE LIKE
Rudolf Endres, Dessau-Rosslau, Germany, assignor, by mesne assignments, to "Patchem A.-G. Zur Beteiligung An Patenten und Sonstigen Erfindungsrechten Auf Chemische Verfahren," Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application March 6, 1937, Serial No. 129,352. In Germany March 7, 1936
6 Claims. (Cl. 260—106)

1. The method of refining and converting copal oils into hydroxy compounds which comprises treating the same with at least 100 volumes of hydrogen at a temperature of about 200 to 400° C. and under high super-atmospheric pressure in the presence of hydrogenation catalysts of the group consisting of copper, manganese and chromium for about an hour and until the carboxyl groups are substantially eliminated and hydroxy compounds are produced.

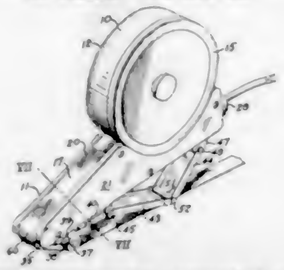
2,235,703
LABEL FOR FABRICS
Renaldo C. Epworth, Hackensack, N. J.
Application June 9, 1939, Serial No. 278,228
4 Claims. (Cl. 40—20)

1. A label for a piece of fabric, article of fabric or the like, constructed for securement to the fabric at any location remote as desired from the edges of the fabric, said label being of substantially flat and relatively stiff and flexible material and having an opening therein, a separate keeper of substantially flat and relatively stiff and flexible material, the said opening and keeper comprising securing means whereby the label is secured to the fabric, the securing means being such that one of the said elements thereof is of generally circular outline and that the



other of the said elements is provided with at least two projections which project beyond the circular outline of the said first element and providing clearances between the said projections which permits flexing of the projections at the time of insertion and removal of the keeper from the opening in the label when fabric is disposed over the said keeper, and said clearances affording zones in which fabric is received free from strains incident to the retention of the fabric by the keeper.

2,235,704
TAPING INSTRUMENT
Dimitri L. Gorbatenko and Albert J. Allgoewer, San Francisco, Calif., assignors to Dimgor Corp., San Francisco, Calif., a corporation of California
Application December 12, 1938, Serial No. 245,100
16 Claims. (Cl. 216—22)

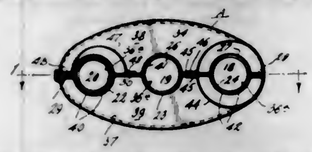


1. A taping instrument comprising means for holding a supply roll of tape, a roller for engaging the tape to press the latter against a surface, means for interrupting as desired the feed of tape from the supply roll to the pressure roller, and means for severing the tape when the feed thereof is thus interrupted.

2,235,705
MUFFLER
Lucien L. Haas and Gail C. Starkweather, Youngstown, Ohio, assignors to MacKenzie Muffler Company, Inc., Youngstown, Ohio
Application August 29, 1939, Serial No. 292,460
13 Claims. (Cl. 181—54)

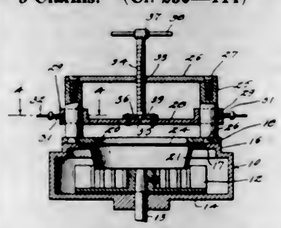
1. A muffler having a reverse flow structure formed by a shell, a pair of transverse baffles forming with said shell a chamber, and a pair of metal sheets arranged in said chamber and secured together and provided with longitudinal

grooves forming between said sheets passages for the gases, said sheets having their opposite sides extending to said shell to divide said chamber into two separated parts, said sheets being provided



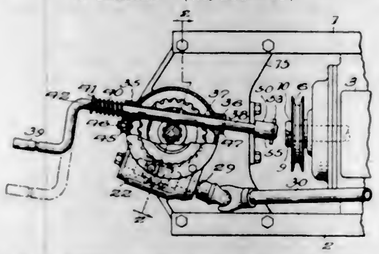
with perforations in grooved portions thereof establishing communication between said passages and said chamber, said baffles having openings communicating with said passages.

2,235,706
AIR CONTROLLING AND REGULATING DEVICE
John Hanus, Appleton, Wis.
Application March 14, 1940, Serial No. 324,004
5 Claims. (Cl. 230—114)



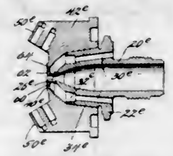
1. An air controlling device comprising a base plate provided with an axial opening, a frusto-conical nozzle disposed on one side of said plate, a flange carried by the base of said nozzle, means securing said flange to said plate, a perforate filter element interposed between said flange and said plate, a disc-shaped valve member, guide members fixed to said plate and extending from the opposite side thereof, a supporting bar fixed to the outer ends of said guide members and provided with a threaded opening coaxial with the axis of said plate opening, sleeves carried by said valve member slidably engaging said guide members, a threaded valve member adjusting shaft engaging through said threaded opening, and means swivelly securing said shaft to said valve member.

2,235,707
ENGINE STARTER CRANK SUPPORT AND STEERING ASSEMBLY
James G. Heaslet, Hudson, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio
Application June 23, 1939, Serial No. 280,861
6 Claims. (Cl. 180—79)



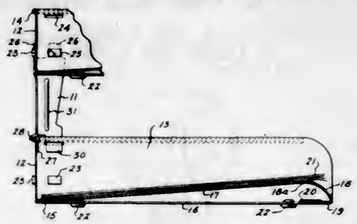
1. In a power driven tractor of the type having parallel side frames and a front supporting wheel, a platform secured to the frame directly above said front wheel, a vertical steering column for said wheel, said column extending through said platform, gearing means for turning said column, a casing on said platform enclosing the upper part of said column and said gearing means, anti-friction bearings for said steering column mounted below the said platform and in the upper part of said casing, a driving engine for said tractor mounted rearwardly of said platform, and a starter crank associated with said engine, said crank being supported by and extending through the walls of said casing.

2,235,708
SPRAYING DEVICE
Alexander F. Jenkins, Baltimore, Md.
Application January 10, 1938, Serial No. 184,301
16 Claims. (Cl. 299—140.1)



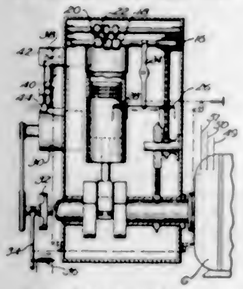
14. In a spray gun nozzle assembly of the class described, an inner liquid nozzle member which comprises a generally conical forward portion having a liquid orifice in its outer end and a circular radial enlargement of said member formed thereon at a point adjacent said end and rigid therewith, said enlargement being perforated to provide air orifices therethrough.

2,235,709
LETTER TRAY
Thomas A. Hearn, Ludlow, Ky., and Francis F. Braun, Cincinnati, Ohio, assignors to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application June 10, 1938, Serial No. 213,018
1 Claim. (Cl. 206—73)



A letter tray for papers of a certain length comprising side walls and a back wall formed from a single piece of sheet metal, the front of said tray being open, said walls having inturned flanges along the lower edges substantially in a common plane, and a bottom member comprising a sheet of metal flat over a major portion of its area, said portion being of a length short of said paper length and said member being gradually curved downwardly at the front end thereof, said front end being provided with an inturned flange which is secured to the front portion of the flanges of the side walls and the rear edge of said bottom member being secured to the flange of the back wall, whereby said bottom will slope downwardly toward the rear of said tray.

2,235,710
INTERNAL COMBUSTION ENGINE AND METHOD OF OPERATING THE SAME
Roy E. Hoffmann, Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1939, Serial No. 284,718
3 Claims. (Cl. 123—75)



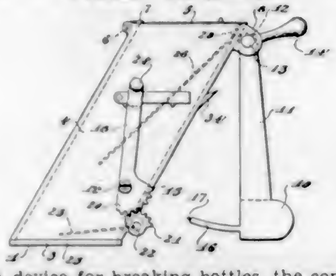
2. In an oil engine, a piston, a cylinder provided with intake and exhaust valves and a fuel valve, a set of cams for operating said valves on a four-stroke cycle, a source of compressed air for supercharging the engine for abnormal operation, a second set of cams spaced axially from said first set and operable to increase the period during which both said inlet and exhaust valves are opened simultaneously, means to render one or the other set of said cams active, means to connect said cource of compressed air to the engine, said last means being synchronized with said cam shifting means whereby said source of compressed air is connected whenever said second set of cams is made active.

2,235,711
ELECTRIC DISCHARGE LAMP
Anton Lederer, Vienna, Austria; Catherine Danzer and General Conrad Randa, executors of said Anton Lederer, deceased, assignor, by mesne assignments, of three-fourths to General Electric Company, a corporation of New York, and one-fourth to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application July 8, 1932, Serial No. 621,436
In Austria July 9, 1931
38 Claims. (Cl. 176—124)



1. An electric discharge lamp containing a monatomic gas at a pressure of less than ten millimeters of mercury and having at least one indirectly heated electrode of the type which emits electrons at temperatures preferably below 1000° C., the electrodes being spaced so near one another, and the pressure of the gas being so chosen with respect to said spacing, that the discharge is restricted to a cathodic glow and the positive column is substantially eliminated entirely.

2,235,712
BOTTLE CRUSHING APPARATUS
Michael Lehr, Rochester, N. Y., assignor of one-half to Norman Lehr, Leicester, N. Y.
Application January 15, 1938, Serial No. 185,220
1 Claim. (Cl. 83—93)



In a device for breaking bottles, the combination of a housing open at the top and bottom and closed on the four upright sides in which a bottle can be inserted, a base for said housing on which said housing is supported at an incline, a hammer having a handle the upper end of which is pivoted to the outside of the housing at the top so that the hammer swings outside of the housing and outside of its base, a spring plate inside of the housing adapted to bear against a bottle and temporarily hold it therein, a bottom plate pivoted on one side adapted to temporarily support the bottle, means for swinging said bottom plate downwardly so as to dump the bottle.

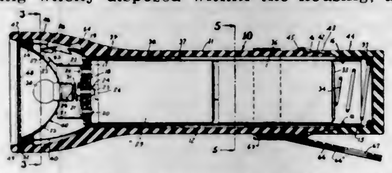
2,235,713
ELECTRIC INCANDESCENT LAMP
Hendricus J. Lemmens and Josephus A. M. Smelt, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application March 16, 1939, Serial No. 262,298
In Germany April 1, 1938
7 Claims. (Cl. 176—16)



1. A miniature electric incandescent lamp of the high-intensity high-pressure gas-filled type with an operating pressure in excess of four atmospheres comprising a relatively small elongated envelope having a relatively thin wall and containing a metallic refractory filament disposed in relatively close relation to said wall and emitting, during operation, a high amount of infra-red rays, said envelope consisting of glass containing ferrous oxide in an amount not more than 0.05 per cent by weight of the glass composition.

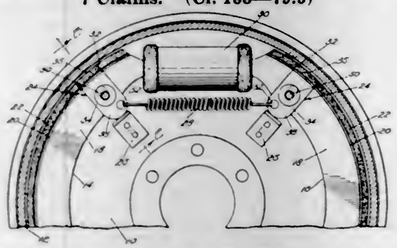
2,235,714
FLASHLIGHT
William M. Lennan, Pasadena, Calif.
Application April 13, 1936, Serial No. 74,008
23 Claims. (Cl. 240—10.66)

2. In a self-contained electric hand lamp or flashlight, a hollow flexible housing having a transparent member at one end thereof, an electric light bulb member in said housing, a light reflector member in said housing, a movable support carrying one of said members for movement relative to the other members, a battery casing wholly disposed within the housing, and



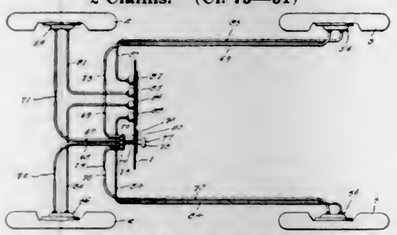
means operable on movement of the casing to shift the movable support, the arrangement being such that said other members are held stationary by the engagement therewith of said flexible housing while said casing is moved within said flexible housing.

2,235,715
BRAKE
Aaron A. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application November 13, 1939, Serial No. 304,233
7 Claims. (Cl. 188—79.5)



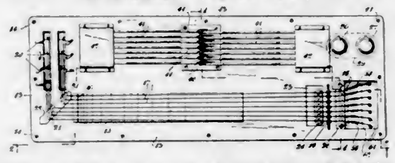
5. A brake comprising a fixed support, a rotatable drum associated therewith, a pair of friction elements mounted on the support for cooperation with the drum, adustable retractile stops for the friction elements, adjusters for the friction elements including members frictionally clamped to and movable transversely of the friction elements for cooperation with the drum and stops, and a retractile spring connecting the members.

2,235,716
AIR PRESSURE INDICATING APPARATUS FOR PNEUMATIC TIRES
George P. Lucius, Ruleville, Miss., assignor of two-fifths to John Calvin Twiner and one-fifth to H. Lee Herring, Ruleville, Miss.
Application December 27, 1939, Serial No. 311,197
2 Claims. (Cl. 73—31)



1. In an apparatus for the purpose set forth, an air pressure indicating gauge adapted to be carried by an automative vehicle, a normally closed air pressure conducting off structure including a normally closed spring controlled rotatable controlling valve having a stem formed with an angular extension, said structure adapted to be connected to, permanently opening into and bodily carried with the inner tube of a tire of a vehicle, said structure including an air receiving chamber at its inner end normally closed to the inner tube by said valve and in which is arranged said extension, a supporting member carried by the vehicle and formed with a pocket adapted to intermittently register with said receiving chamber during the revolving of said inner tube, an air pressure conducting off line leading from the pocket in said member to said gauge, said line being normally closed to the inner tube by the valve of said structure and free of connection to the latter, and a reciprocal spring controlled means supported by said member and the body of the vehicle including a pivotally mounted angle-shaped trip lever arranged in said pocket for extending into said chamber, said lever being free of connection to and correlated with said extension to provide, when extended into the said chamber for coaction with said extension to shift said valve stem in a direction to open the valve to thereby establish communication between said inner tube and said gauge to indicate the air pressure in relation to the inner tube.

2,235,717
STRINGED MUSICAL INSTRUMENT
Dominick A. Maffei, Bayside, and Clyde C. Doerr, Forest Hills, N. Y., assignor to Epiphone, Inc., New York, N. Y., a corporation of New York
Application March 31, 1939, Serial No. 265,130
12 Claims. (Cl. 84—312)



1. In a stringed musical instrument having a plurality of strings tensioned thereon, means for selectively varying the pitch of each of the several strings, said means comprising a series of rotatable string tensioning posts, each having an arm extending radially therefrom and each having one of the strings of the instrument attached thereto, a corresponding series of manually operable levers pivotally mounted upon a common axis and movable independently of each other away from a neutral position, and a connecting link extending between each of said levers and the arm on its corresponding tensioning post whereby movement of said lever in either direction from its neutral position will effect rotation of the corresponding tensioning post in either direction from its normal tensioning position to vary the pitch of the string attached thereto.

2,235,718
STRINGED MUSICAL INSTRUMENT
Dominick A. Maffei, Bayside, and Clyde C. Doerr, Forest Hills, N. Y., assignors to Epiphone, Inc., New York, N. Y., a corporation of New York
Application September 22, 1939, Serial No. 296,048
11 Claims. (Cl. 84—312)

1. In a stringed musical instrument having a plurality of strings tensioned thereon, means for selectively varying the pitch of each of said strings, said means comprising a plurality of

string tensioning rollers mounted on a common axis and independently rotatable thereon, each of said rollers having one end of one of the strings attached thereto and windable thereon to and from a normal tensioning position, a plurality of manually operable levers pivotally mounted upon a common axis and each independently movable to either side of a normal position about



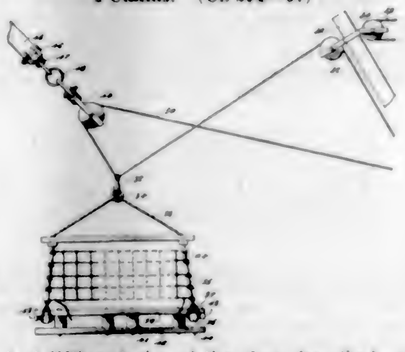
said common axis, and means operatively connecting the levers to the string tensioning rollers whereby rotation of any one of said levers will cause a corresponding rotation of its connected string tensioning rollers in either direction from its normal tensioning position upon corresponding operation of its connected lever to thereby vary the pitch of the string attached to the said tensioning roller.

2,235,719

CARGO LOADING AND UNLOADING APPARATUS

Lawrence Matarese, Brooklyn, N. Y.

Application January 28, 1939, Serial No. 253,423
2 Claims. (Cl. 294—67)



1

1. A lifting device of the class described comprising a flexible bridle, a guiding frame, said flexible bridle passing through the guiding frame for holding the flexible bridle in formed relation, a mesh net carried by the bridle, lifting bars carried by the lower ends of said bridle, a platform having a floor portion and a spaced base portion, cleats spacing the floor portion from the base portion, retaining bars carried by the under face of said floor portion adjacent the ends thereof and spaced from the base portion, said retaining bars being spaced from the base portion for facilitating the removal of the lifting bars and the placing of the lifting bars in position, said retaining bars adapted to hold the lifting bars against accidental displacement.

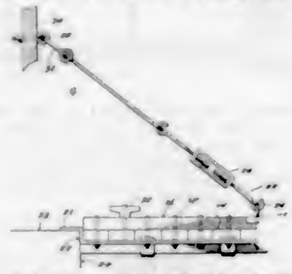
2,235,720

CARGO LOADING AND UNLOADING PLATFORM

Lawrence Matarese, Brooklyn, N. Y.

Original application January 28, 1939, Serial No. 253,423. Divided and this application February 28, 1940, Serial No. 321,331
1 Claim. (Cl. 304—14)

A platform adapted to be secured upon a dock comprising a floor portion, retaining means extending around the end edges and front edge of the platform, the rear side edge being open, suspending bracing means secured to a support and engaging the forward portion of the platform, strap members extending under the floor portion of the platform and having upwardly offset ledge portions, the ledge portions being adapted to fit over the edge of a dock for bracing and supporting the platform in substantially flush relation with respect to the floor of a dock, a transverse central brace extending across the under face of the floor portion of the platform and having a rear edge adapted to abut against the front wall of a dock for bracing the platform, and spaced longitudinally extending truss bars passing under said central brace and having the ends thereof anchored under said strap members.

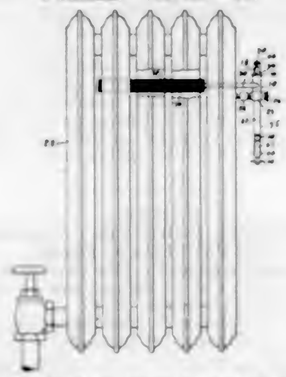


2,235,721

HUMIDIFIER VALVE

Howard W. Morgan, Munising, Mich., assignor of one-half to The Munising Paper Company, Munising, Mich., a corporation of Ohio, and one-fourth to B. L. Trillich, Chicago, Ill.

Application October 13, 1939, Serial No. 299,394
4 Claims. (Cl. 236—44)



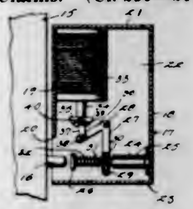
1. A humidifying valve arranged to be connected to a vapor type heating radiator, comprising in combination, a high pressure chamber, means for connecting said chamber to said radiator, a low pressure chamber, means connecting said low pressure chamber to the atmosphere, a passageway interconnecting said chambers, a freely slidable gravity affected piston valve arranged for reciprocation in said passage, said valve having a position in said passage controlled by gravity actuation thereof to close said interconnecting passage when pressure is low in said high pressure chamber, said valve being capable of actuation in said passage to open the same upon pressure being applied to the high pressure chamber from the radiator, and means responsive to the changes in relative humidity of the atmosphere in which said valve is positioned for controlling the quantity of vapor discharged from said valve by controlling the open position of said piston valve with respect to said interconnecting passage.

2,235,722

RADIO TUNING DEVICE

William H. Murray, Central Valley, Calif.

Application May 22, 1939, Serial No. 275,097
5 Claims. (Cl. 250—20)



1. An attachment for a radio receiving apparatus having selective tuning members, an electro-magnetic operating member for each tuning member, circuit closing means for said operating member, a switch connected to the supply source for the radio apparatus and connected to the radio apparatus, a switch operating circuit, an electro-magnetic operator connected to said switch for moving said switch to a circuit closing position, a second electro-magnetic operator connected to said switch for moving said switch to a circuit breaking position, a single electric circuit for said electro-magnetic operators, a circuit making and breaking means in said latter circuit and connected to said operators for operation thereby, said circuit making and breaking means including means whereby energization of one of said operators will break the electric circuit thereto, and simultaneously close the circuit to the other operator, a relay in said single circuit for breaking said circuit upon energization of one of said operators, and means for energizing said first electro-magnetic operating member.

2,235,723

ADJUSTABLE INDICATOR FOR THERMOSTATICALLY CONTROLLED FLATIRONS

Joseph W. Myers, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Application February 1, 1939, Serial No. 254,113
7 Claims. (Cl. 236—7)



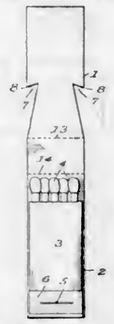
3. In an electrically-operated flatiron having an adjustable thermostat for operating the iron at selectable temperature levels, manually operable means angularly adjustable through an arc of less than 360° to adjust said thermostat to operate the iron throughout the complete operating temperature range of the iron, an operating knob for said manually operable means, indexing means on said knob, an indicator member having consecutive indicia thereon arranged cooperatively with the indexing means on said knob to indicate various settings of said manually operable means, the consecutive indicia on said indicator member indicating consecutive temperature gradations throughout the complete operating range of the iron, and means for changing at will the angular correlation between said manually operable means and said indicator member, whereby the respective indicia on said indicator member are correlated with different respective positions of said manually operable means, thereby effectively shifting the operating range of said manually operable means and shifting the operating temperature range of the iron to raise or lower the same according to the ironing speed of the operator.

2,235,724

MATCH PACKAGE

Ralph Kenneth Newton and Irwin Carl Prafke, Madison, Wis.

Application May 5, 1939, Serial No. 271,994
3 Claims. (Cl. 206—48)



1. An attachment for a conventional cigarette package possessing a closed top providing end openings; said attachment consisting of a match package having a bank of matches and relatively long and relatively short cover flaps on opposite sides of said match bank, the width of said package including the flaps being substantially the same as the width of the conventional cigarette package, the relatively short cover flap extending to a point adjacent the match heads and the relatively long cover flap adapted to extend around the heads of the matches and overlap said short flap substantially throughout, the overlapping portion of said long flap having an integral barb on a longitudinal edge projecting rearwardly thereof formed by an undercut notch therein and said long flap being adapted to be inserted through one end opening of the cigarette package, the said barb acting to secure the long flap therein, and said short flap being adapted to be inserted through the opposite end opening of the cigarette package.

2,235,725

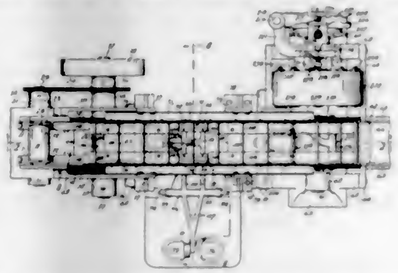
CAN WEIGHING MACHINE

Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 3, 1936, Serial No. 114,073
8 Claims. (Cl. 209—121)

1. In a can weighing machine, the combination of can tracks for supporting filled cans in

rolling position, a continuously moving conveyor having pockets for loosely confining and separating cans received therein and for rolling them along said can tracks in a processional order, a weighing platform interposed in the path of travel of said cans for weighing each can as it rolls thereover, a balance beam supporting said weighing platform for detecting cans under a predetermined weight, a full weight can discharge chute disposed adjacent one end of said conveyor, an under-weight can discharge chute disposed adjacent said full weight can discharge chute and at a point remote from said weighing platform, a cammed section contiguous with said can tracks for removing full weight cans from the conveyor after weighing and for depositing them into said full weight can discharge chute, discharge instrumentalities adjacent said under-weight discharge chute for discharging detected under-weight cans into its chute, and photo-electric elements operable by the under-weight can movement of said balance beam for causing actuation of said under-weight can discharge instrumentalities after said under-weight can has been moved by said conveyor to said discharge chute.

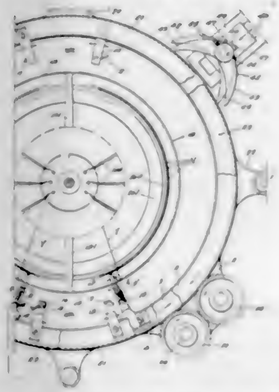


2,235,726

CIRCULAR KNITTING MACHINE AND METHOD OF OPERATING SAME

Arthur L. Pass, Glen Iris, Victoria, Australia, assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application April 19, 1939, Serial No. 268,793
21 Claims. (Cl. 66—51)



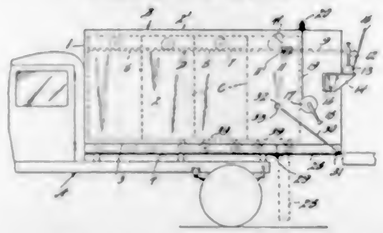
1. In a circular knitting machine, a circle of needles and a yarn supply, in combination with two yarn feeders having circumferential movement past the needles in opposite directions, each feeder being adapted to take yarn from said supply, present it to a plurality of needles by means of its circumferential movement and then release the yarn for engagement by the other feeder.

2,235,727

MERCHANDISE HANDLING APPARATUS

Jack Pearlman, East Hempstead, Long Island, N. Y.

Application September 14, 1939, Serial No. 294,943
5 Claims. (Cl. 214—75)



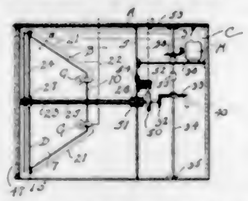
1. In a wheeled vehicle including a body having bottom and side portions, upper track members carried by the respective side portions, and lower track means carried by said bottom, said upper track members having demountable end sections, said bottom underlying said sections having a normally closed hinged section, and elevating means carried by said body, of a plurality of mobile containers adapted to be loaded into and out of said body, each container including supporting wheels engageable with said lower track, and upper suspension wheels engageable with said upper track members, and means carried by its upper end adapted for detachable engagement with said elevating means, whereby operation of said elevating means is adapted to successively elevate the respective containers to loading position in said body and inversely to unloading position, when said track sections are demounted and said bottom section is in open position.

2,235,728

TRAFFIC SIGNAL

Edwin E. Ramspeck, Salt Lake City, Utah

Application February 22, 1938, Serial No. 191,843
4 Claims. (Cl. 177—327)



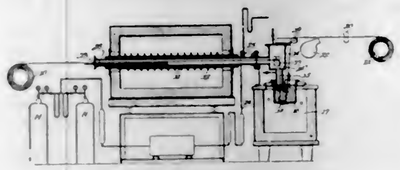
1. In a traffic signal the combination of a casing; partitions in said casing dividing the interior into different sized areas; colored glass mounted over each area; a plate adapted to be rotated in front of said colored sections, said plate having one portion open and the other portion perforate to permit only partial light transmission therethrough; and means to illuminate the area back of any given area as the plate is rotating over said area.

2,235,729

METHOD OF COATING METAL WITH ALUMINUM

Matthew Schon, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application August 13, 1936, Serial No. 95,940
Renewed July 24, 1940
7 Claims. (Cl. 91—70.3)



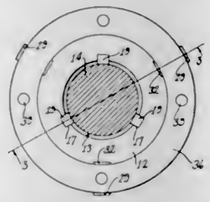
1. In the art of manufacturing aluminum coated sheet steel the method which comprises continuously traveling and heating sheet steel in a reducing atmosphere for a sufficient length of time to raise the temperature of the metal to at least approximately 1300° F., reducing the metal to a point between substantially 400° F. and 900° F. in a non-oxidizing atmosphere and introducing the metal without exposure to oxidizing influences into a bath of aluminum.

2,235,730

CENTERING DEVICE

Herbert R. Simonds, Dayton, Ohio, assignor to Simonds Worden White Company, Dayton, Ohio, a corporation of Ohio

Application October 17, 1940, Serial No. 361,597
18 Claims. (Cl. 51—168)



1. A device for centering a rotatable member on a shaft comprising a body member having an axial bore to receive said shaft and a peripheral portion to enter an axial opening in said rotatable member, means carried by said body member and movable with relation thereto to engage said shaft and center said body member with relation thereto, means for actuating said shaft engaging means, means carried by said body member and movable with relation thereto to engage the wall of the opening in said rotatable member and center the latter with relation to said body member, and means for actuating the last mentioned centering means.

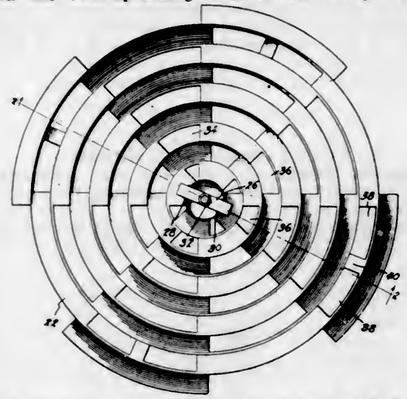
2,235,731

DAMPER

Jack J. Spalding, Jr., New York, N. Y.

Application September 7, 1939, Serial No. 293,825
2 Claims. (Cl. 98—41)

1. A damper comprising nesting disk elements, each disk element formed with a plurality of coaxial circular grooves with spaced orifices in one of the side walls only of each of said grooves and the corresponding wall of all the grooves



and pivot means rotatably associating said disks together.

2,235,732

PILE FABRIC

Frank Sudell, Philadelphia, Pa., assignor to La France Industries, Philadelphia, Pa., a corporation of Pennsylvania

Application February 18, 1939, Serial No. 257,228
2 Claims. (Cl. 139—391)



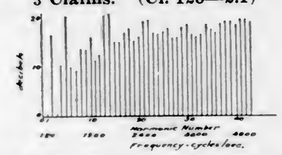
1. A textile fabric comprising a base fabric composed of interwoven warps and wefts, pile warps interwoven with predetermined wefts at relatively spaced points warpwise of the fabric and formed into pile tufts projecting above one face of the base fabric in transversely extending longitudinally spaced continuous rows of substantially equal uniform width, with said pile warps floating warpwise of said fabric continuously on and covering said base fabric in the spaces between said rows of pile tufts.

2,235,733

AUDITORY MASKING METHOD

Edward G. Witting, Jenkintown, Pa.

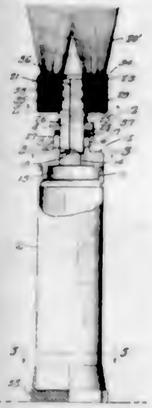
Application June 27, 1936, Serial No. 87,772
3 Claims. (Cl. 128—2.1)



3. A method of testing hearing comprising generating electrical oscillations of nearly constant amplitude having a very low fundamental frequency and rich in harmonics of said fre-

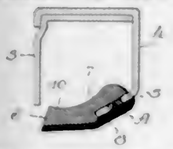
quency, converting said electrical oscillations into corresponding sound waves which are near the lower limit of audible sound, masking one ear of a person by applying said sound waves directly thereto with an intensity sufficient to mask that ear, and testing the other ear of said person by applying a separate testing sound thereto.

2,235,734
FOUNTAIN STENCIL BRUSH
Milton B. Wright, St. Petersburg, Fla., assignor to Universal Fountain Brush Company, Inc., a corporation of Florida
Application November 25, 1938, Serial No. 242,369
4 Claims. (Cl. 15—138)



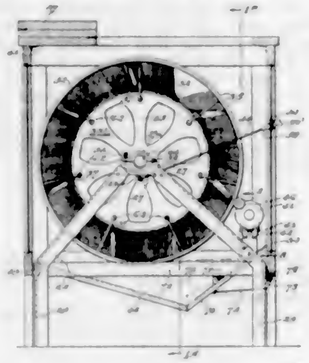
1. A fountain brush comprising in combination, a reservoir handle, a cap forming a removable closure for said handle and including means for dispensing the contents thereof, a stem secured to said cap and having a passageway extending therethrough, one end of said stem being substantially cylindrical shaped and the other end substantially square shaped in cross-section, a brush head secured to the square shaped end of said stem and including an annular ring surrounding the bristles of the brush, said square shaped end being formed with a plurality of slots whereby the bristles of the brush are firmly secured to said stem, a circular plate carried by a notch formed in the juncture of the rounded and square shaped ends, respectively, said plate forming a backing strip for bristles mounted within said ring.

2,235,735
OIL SEAL CONSTRUCTION
Wilburn F. Bernstein, Brookfield, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application January 23, 1939, Serial No. 252,304
2 Claims. (Cl. 288—3)



1. An oil seal construction adapted to be mounted upon or associated with a rotatable shaft for sealing the opening between the shaft and a surrounding housing, comprising a supporting retainer and a unitary sealing element supported by the retainer, said sealing element consisting of an inner and an outer layer, one of the layers being of elastic material and the other of less elasticity and providing a sealing contact with the surface to be sealed, said last mentioned layer being relatively heavily loaded with graphite and interspersed with hair for preventing creeping and distortion and improving its sealing characteristics under varying conditions of operation.

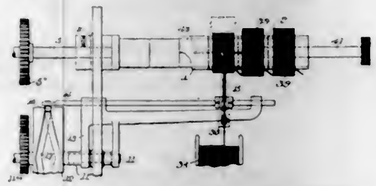
2,235,736
ROTARY CARD INDEX
George C. Bruen, Chicago, Ill., assignor to Rotary Index Co., Inc., Chicago, Ill., a corporation of Illinois
Application October 14, 1937, Serial No. 168,993
18 Claims. (Cl. 129—16)



5. A rotary card index comprising a card mounting wheel, a card rail peripherally encircling the wheel and adapted to receive a multiplicity of cards arranged more or less radially of the wheel, the rail being subdivided into a series of arcuate sections, each section having an inwardly extending mounting flange, an annular slot formed in the rim of the wheel for receiving the rail flanges, a slot in one end of each rail opening endwise thereof, a wheel-carried element for each rail section extending across the flange-receiving slot for co-operative reception and engagement in the slot of the flange to position the near end of the rail section within the receiving slot, as the near end of the rail section flange is slid longitudinally in the receiving slot, and co-operating retaining means on the other end of each rail section and on the wheel for releasably holding said other end in the receiving slot.

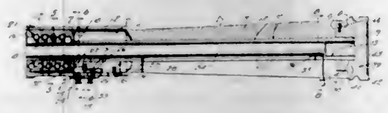
12. A rotary card index comprising a wheel-like support, means for mounting it with its axis substantially in a horizontal plane, a rail peripherally encircling the support, the rail being constructed and arranged to receive and mount a multiplicity of cards arranged more or less radially of the support by virtue of slots adjacent the inner edges of the cards through which the rail extends, whereby the cards may shift along the rail, and means for compensating for the tendency of the wheel to back roll due to the unbalancing effect of the shifting of the cards, said compensating means comprising friction members continuously effective to put a positive frictional drag upon the wheel against rotation in either direction.

2,235,737
WINDING MACHINE
Julian T. Crandall, Ashaway, R. I., assignor to Ashaway Line & Twine Manufacturing Company, Ashaway, R. I., a corporation of Rhode Island
Application July 6, 1938, Serial No. 217,692
3 Claims. (Cl. 242—18)



2. In a winding machine, a rotary core support, a reciprocating traverse bar, a sectional core, only manually adjustable along said core support for presenting successive sections of the same or different lengths in position to be wound, a line guide on said traverse bar and a line supply, said guide being positioned to lead the line from the supply to successive core sections, and means for holding the guide in yielding frictional contact with the package during the winding thereof.

2,235,738
SEALING TOOL
Florence Staley Curtis, Millvillage, Pa.
Application November 1, 1937, Serial No. 172,300
2 Claims. (Cl. 219—21)



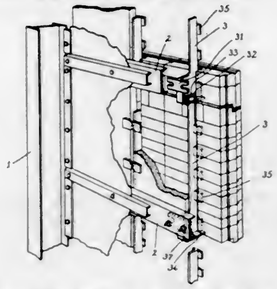
1. In a tool for the purpose set forth, a one-piece casing open at its forward and rear ends and formed with an open front annular chamber at its forward end portion, a tubular combined receiving, holding and guiding element for sealing material of stick-like form, said element including a tube of uniform inner diameter open at its forward and rear ends and a laterally and rearwardly extending means at the forward end of said tube for closing the open front of the chamber, closing the forward end of the casing and for connecting said element and casing together, said tube extending from the forward end of said casing through said chamber to beyond the rear end of the latter and forming the inner wall of said chamber, a normally inactive electric heater arranged within said chamber and encompassing a portion of said element, controlling means for the heater carried by said casing, a closure common to the rear end of said element and casing, said element and closure having coacting means for detachably connecting them together, means for connecting the closure to said casing, and a manually shiftable sealing material feeding means having a part slidably mounted in said element for connection to the rear end of the stick of material and a part extended through the body of said element and casing, the said element and casing having registering means to provide clearance for the operation of the feeding means.

2,235,739
MATCH BOOK
Henry R. Fancher, Chicago, Ill.
Application December 27, 1939, Serial No. 311,209
2 Claims. (Cl. 206—29)



1. A match container comprising a cover open at the top and the bottom and having a pair of parallel slits in the rear wall, matches having a backing slideably mounted in the cover, a tongue carried by and formed from the backing, the upper end of the tongue being connected to the backing, said tongue being passed through said pair of slits in the cover, and a staple connecting the lower end of the tongue to the backing, said connected end of said tongue and said staple forming means for limiting movement of the matches and backing upwardly or downwardly with relation to the cover.

2,235,740
FURNACE WALL STRUCTURE
Carl M. Fixman, Bremerton, Wash., assignor to Laclede-Christy Clay Products Company, a corporation of Missouri
Application August 26, 1939, Serial No. 292,080
3 Claims. (Cl. 72—101)

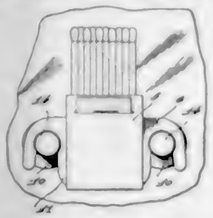


1. A furnace-wall structure having a framework that includes two horizontally extending beams arranged in parallelism one vertically above the other, and two vertically aligned tile-carrying brackets, one borne by each of the said beams, the lower of the two brackets being mounted at its lower end upon the lower of the said beams and engaging at its upper end the upper bracket in a union that admits of relative movement in vertical direction.

2,235,741
MATCH BOX SUPPORT
David O. Ford, Petersburg, Va., assignor of one-half to Joseph Mills Hanson, Colonial Heights, Va.
Application February 5, 1940, Serial No. 317,439
3 Claims. (Cl. 248—206)

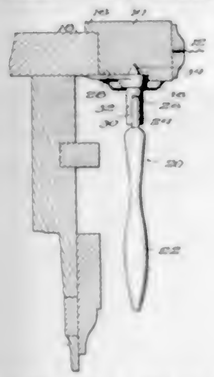
2. A device of the class described comprising a support having an intermediate thickened portion adapted to receive a looped book of matches and provided with terminal downwardly opening hooks at opposite sides of the thickened portion, and suction supporting cups engaging said hooks, the upper edge of the intermediate thickened portions being inclined rearwardly and adapted

to engage the cover of the book at the attached ends of the matches for forcing said attached



ends outwardly and the tips of said matches rearwardly.

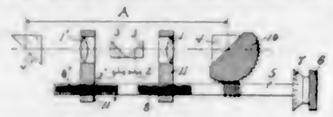
2,235,742
WINDOW SCREEN CATCH
John Forte, Hazleton, Pa.
Application April 20, 1939, Serial No. 269,008
2 Claims. (Cl. 292—202)



1. In combination with a window screen comprising a frame, of a lock comprising a bolt member, a lateral extension, and the inner end of the lateral extension having a driving point, the driving point of the lock adapted to be driven into the frame of the screen, a plate member secured to the frame of the window screen and overlying the inner portion of the lateral extension of the lock so as to hold the lock on the frame of the window screen.

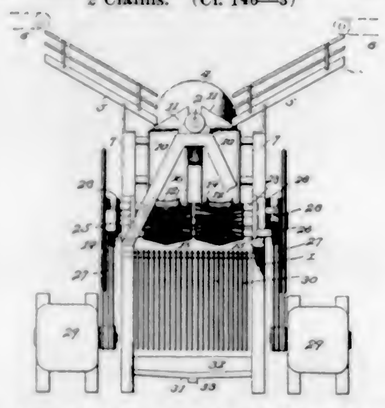
2,235,743
APPARATUS FOR TAKING STEREOSCOPIC PICTURES
Pierre Gagliardi, Paris, France, assignor to Etablissements Emel S. A. R. L., Paris, France, a corporation of France
Application February 9, 1939, Serial No. 255,399½
In France February 9, 1938
3 Claims. (Cl. 95—18)

1. In combination, in an apparatus for forming stereoscopic images on at least one film, two lenses of the same focal length arranged in line with each other, two pairs of reflecting prisms, each pair being associated with one of said lenses for directing the light beam passing therethrough onto said film and including one prism located ahead of said one of said lenses and one located behind, at least one of said prisms being pivotable, for parallax correction, about an axis at right angles to the common axis of said two lenses, mountings for said respective lenses including internally threaded portions with their threads in opposed directions, respectively, a threaded rod with right and left threads engaged in said threaded portions, respectively, means for



controlling the pivoting movement of said last mentioned prism, operatively connected with said threaded rod, and means for turning said threaded rod about its own axis.

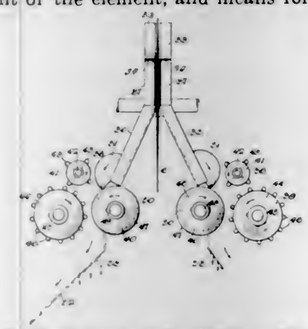
2,235,744
JUICE EXTRACTOR
Albert W. Gould, Loughman, Fla.
Application December 30, 1937, Serial No. 182,605
2 Claims. (Cl. 146—3)



1. A juice extractor including a frame, a rotating knife in the upper portion of the frame, means for feeding the fruit to the knife to divide the fruit in halves, a trough for each half leading from the knife and causing the divided halves to travel in different directions by gravity, and extracting means below the end of each trough for extracting the juice from the fruit, said extracting means including an initial exciter formed with cutters to cut into the rind of the half fruit only to slit the rind to permit the half fruit to be spread, a conical retainer to which the half fruit with the slit edge is fed, and a complementary-shaped extorter cooperating with the retainer and bearing against the pulp side of the half fruit to force the juice therefrom.

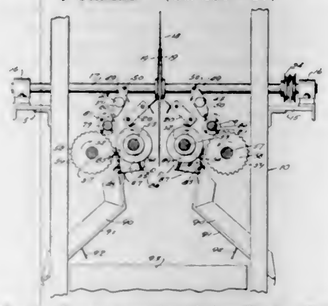
2,235,745
JUICE EXTRACTOR
Albert W. Gould, Loughman, Fla.
Application May 17, 1938, Serial No. 208,477
9 Claims. (Cl. 146—3)

1. A juice extracting machine for citrus fruits and the like, comprising fruit dividing means, fruit feeding means for delivering the fruit to the dividing means, and juice extracting means receiving and operating on the divided fruit and including vacuum producing means comprising rotating elements having a wall formed with recesses of appreciable depth closed at their bottom and having open mouths in the plane of the surface of the rotating element, the air in said recesses being rarefied by the rapid rotating movement of the element, and means for press-



ing the fruit divisions into direct contact with said wall.

2,235,746
JUICING MACHINE
Albert W. Gould, Loughman, Fla.
Application July 21, 1939, Serial No. 285,772
7 Claims. (Cl. 100—47)

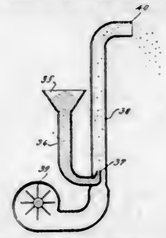


7. Means for expressing juice from citrus fruit and at the same time substantially separating skin oil, comprising a slotted element over the surface of which the cut face of halved fruit passes, a ribbed squeezing roll spaced from the slotted element to engage the outer surface of the skin of the cut fruit, means for rotating the ribbed roll, means for feeding cut sections of fruit to and between the slotted element and the ribbed roll, and a flat plate located adjacent the slotted element and between same and the ribbed roll, whereby when a half fruit section is passed between the slotted element and the ribbed roll juice from pulp cells will be expressed therefrom and through the slots in one direction, and the skin, pith and any extracted skin oil will be carried away in the opposite direction.

2,235,747
PRODUCTION OF AMMONIUM DITHIOCARBAMATE
William H. Hill and Donovan J. Salley, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 25, 1939, Serial No. 291,814
3 Claims. (Cl. 260—500)

1. A method of producing ammonium dithiocarbamate which includes reacting liquid carbon bisulfide with liquid ammonia and converting the yellow product of the reaction to ammonium dithiocarbamate by permitting it to stand in contact with an organic liquid in which it is substantially insoluble, below 35° C.

2,235,748
METHOD OF DRYING GRAIN
William V. Hukill, Arlington, Va.; dedicated to the free use of the People in the territory of the United States
Application July 14, 1938, Serial No. 219,273
5 Claims. (Cl. 34—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A process for drying grain, comprising subjecting grain to the action of conducted heat, the while continuously agitating the grain, in contact with heated surfaces until the grain becomes heated to a temperature sufficient that the vapor pressure of the moisture in the grain is substantially higher than the vapor pressure of the moisture in the atmospheric unheated air available for drying the grain; then transferring said heated grain and subjecting it to the action of currents of said air at such velocity as to carry the grain in suspension; and thence recovering the grain.

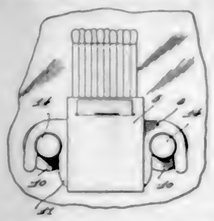
2,235,749
PRODUCTION OF ACETYLENE
Hans Klein, Hans Sachsse, and Wilhelm Hofeditz, Mannheim, and Ferdinand Haubach, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 27, 1938. Serial No. 187,164. In Germany February 2, 1937
4 Claims. (Cl. 260—679)

1. A process for the production of acetylene by incomplete combustion of a hydrocarbon which comprises heating the hydrocarbon, admixing it with oxygen, and conveying the mixture at a temperature at least as high as its ignition temperature into the reaction space at such a speed of flow that the flame is formed at a distance from the point of jointure of the gases where complete mixing of the hydrocarbon and oxygen has occurred, the amount of oxygen used being such as is necessary for the formation of the flame after mixture of the gases has been completed.

2,235,750
CIGAR LIGHTER
George J. Pistey, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application July 10, 1937, Serial No. 152,917
18 Claims. (Cl. 219—32)

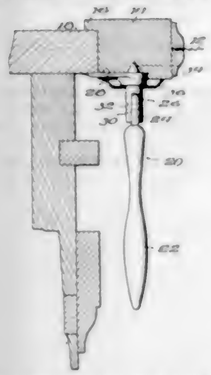
1. In a cigar lighter, a holding device; an igniting unit carried by and completely removable from the holding device for use; a heating element carried by the igniting unit; means for normally retaining the igniting unit in deep position in the holding device; means whereby the igniting unit and retaining means may be withdrawn to an intermediate position, said retaining means holding the igniting unit against

to engage the cover of the book at the attached ends of the matches for forcing said attached



ends outwardly and the tips of said matches rearwardly.

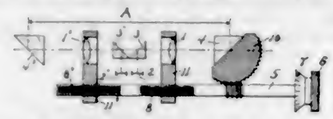
2,235,742
WINDOW SCREEN CATCH
John Forte, Hazleton, Pa.
Application April 20, 1939, Serial No. 269,008
2 Claims. (Cl. 292—202)



1. In combination with a window screen comprising a frame, of a lock comprising a bolt member, a lateral extension, and the inner end of the lateral extension having a driving point, the driving point of the lock adapted to be driven into the frame of the screen, a plate member secured to the frame of the window screen and overlying the inner portion of the lateral extension of the lock so as to hold the lock on the frame of the window screen.

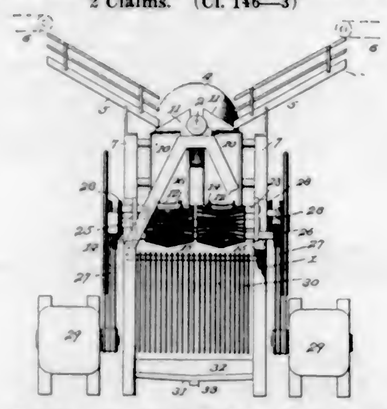
2,235,743
APPARATUS FOR TAKING STEREOSCOPIC PICTURES
Pierre Gagliardi, Paris, France, assignor to Etablissements Emel S. A. R. L., Paris, France, a corporation of France
Application February 9, 1939, Serial No. 255,399½
In France February 9, 1938
3 Claims. (Cl. 95—18)

1. In combination, in an apparatus for forming stereoscopic images on at least one film, two lenses of the same focal length arranged in line with each other, two pairs of reflecting prisms, each pair being associated with one of said lenses for directing the light beam passing therethrough onto said film and including one prism located ahead of said one of said lenses and one located behind, at least one of said prisms being pivotable, for parallax correction, about an axis at right angles to the common axis of said two lenses, mountings for said respective lenses including internally threaded portions with their threads in opposed directions, respectively, a threaded rod with right and left threads engaged in said threaded portions, respectively, means for



controlling the pivoting movement of said last mentioned prism, operatively connected with said threaded rod, and means for turning said threaded rod about its own axis.

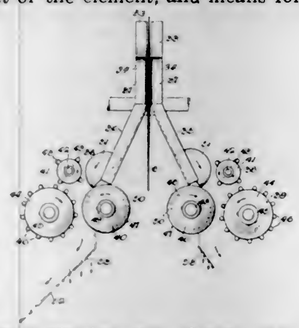
2,235,744
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Albert W. Gould, Loughman, Fla.
Application December 30, 1937, Serial No. 182,605
2 Claims. (Cl. 146—3)



1. A juice extractor including a frame, a rotating knife in the upper portion of the frame, means for feeding the fruit to the knife to divide the fruit in halves, a trough for each half leading from the knife and causing the divided halves to travel in different directions by gravity, and extracting means below the end of each trough for extracting the juice from the fruit, said extracting means including an initial exciter formed with cutters to cut into the rind of the half fruit only to slit the rind to permit the half fruit to be spread, a conical retainer to which the half fruit with the slit edge is fed, and a complementary-shaped extorter cooperating with the retainer and bearing against the pulp side of the half fruit to force the juice therefrom.

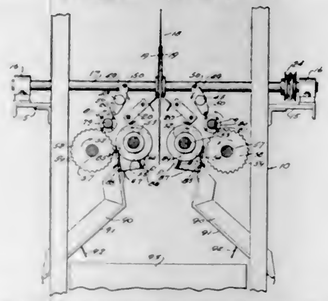
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ing the fruit divisions into direct contact with said wall.

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7 Claims. (Cl. 100—47)

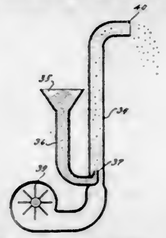


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(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



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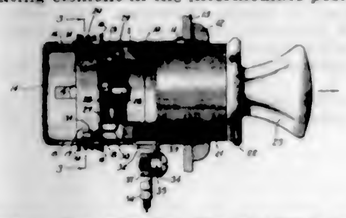
2,235,749
PRODUCTION OF ACETYLENE
Hans Klein, Hans Sachsse, and Wilhelm Hofeditz, Mannheim, and Ferdinand Haubach, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
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George J. Pistey, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
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18 Claims. (Cl. 219—32)

1. In a cigar lighter, a holding device; an igniting unit carried by and completely removable from the holding device for use; a heating element carried by the igniting unit; means for normally retaining the igniting unit in deep position in the holding device; means whereby the igniting unit and retaining means may be withdrawn to an intermediate position, said retaining means holding the igniting unit against

further outward movement; means for energizing the heating element in the intermediate position;



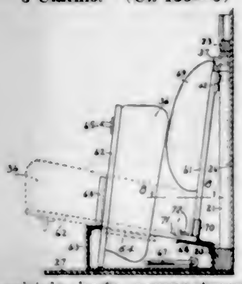
and means for releasing the retaining means upon the heating means attaining a predetermined temperature.

2,235,751

SPARE SEAT FOR AN AUTOMOTIVE CAB

Russell N. Sears, Cortland, N. Y., assignor to Brockway Motor Company, Inc., Cortland, N. Y., a corporation of New York

Application December 29, 1938, Serial No. 248,221
3 Claims. (Cl. 155—5)



3. In a vehicle body compartment including a floor board having a rear partition wall mounted thereon, a hollow seat supporting riser frame rigidly upheld by said floor board above the level thereof to comprise opposed forward and rear riser walls that are erected in substantial parallelism with the partition wall and interconnected to constitute a pit having an upturned mouth, a stationary retaining bracket including jaw means located contiguous to the rim region of the rear riser wall, a bodily demountable spare seat panel that is independently shiftable into alternative stowed and operative positions with respect to the riser frame and which seat panel in its operative horizontal position is demountably stackable flatwise astride the forward riser wall and having its rear longitudinal edge region extended into slip engagement with said jaw means, elongated cleat means extending crosswise beneath the seat panel and entered behind the forward riser frame wall as a stop agency when said seat panel is engaged with the jaw means, said seat panel when disengaged being freely stackable edgewise into a vertically stowed position wherein a lower marginal panel portion is entered into said pit mouth and one end of which cleat then rests upon the forward riser wall to uphold the stowed panel above the level of said floor board.

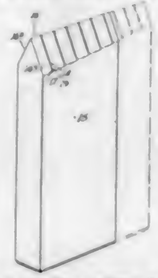
2,235,752

TOOL FOR MAKING FILES

Frank A. Seedlock, Lakewood, Ohio, assignor of one-half to Edward L. Noll, Lakewood, Ohio

Application December 30, 1938, Serial No. 248,548
2 Claims. (Cl. 76—21)

1. A reciprocable tool of the chisel type for forming rows of stepped teeth in a file body, said tool having an operating end consisting of a plurality of cutting edges each formed at the outer end of reversely beveled surfaces, the cut-



ting edges being of the same height and being parallel to one another and being stepped back laterally successively from one end of the composite cutting edge of the tool to the other.

2,235,753

SEWING MACHINE

Max L. Waterman, Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application December 16, 1936, Serial No. 116,078
8 Claims. (Cl. 112—54)



1. In a sewing machine, a work-support, work-feeding means, stitch-forming mechanism including a pair of vertically reciprocatory needles spaced laterally of the line of feed of the work, a ridge-forming rib disposed upon said work-support between the paths of reciprocation of said needles and extending in the line of feed, a work-presser opposed to said work-support at opposite sides of said rib, and a ridge-scoring knife having its cutting edge opposed to and spaced from the crest of said rib.

2,235,754

HYDRAULIC BRAKE FLUID COMPOSITION

Thomas J. Bagley, Haddonfield, N. J., assignor to R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey

No Drawing. Application May 27, 1938, Serial No. 210,487
5 Claims. (Cl. 252—77)

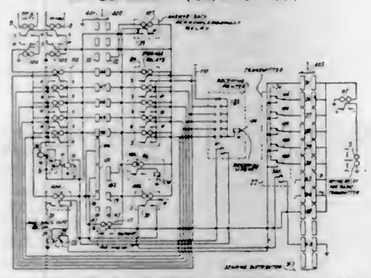
1. A hydraulic brake fluid composition consisting of from 15 to 40% of a neutral triethanol amine salt of ricinoleic acid and the balance an alcohol of the group consisting of ethyl alcohol, butyl alcohol, di-acetone alcohol, isopropyl alcohol, methyl alcohol, ethyleneglycol and diethyleneglycol.

2,235,755

ERROR CHECKING TELEGRAPH SYSTEM

Arjen Bakker, The Hague, and Hendrik Cornelis Antonie van Duuren, Wassenaar, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application October 1, 1937, Serial No. 166,804
In Great Britain May 9, 1933
14 Claims. (Cl. 178—69)



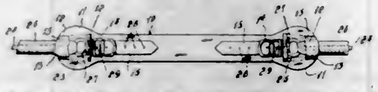
1. In a radio telegraph system having both a transmitter and a receiver at each of two stations, means for applying frequency-discriminating modulations to the marking and spacing signals respectively, means at the receiver of one station, including a monitoring relay, responsive to the reception of disturbed signals for initiating an answer-back signal for transmission to the second station where said marking and spacing signals originated, and means at said second station responsive to the reception of said answer-back signal for causing the transmitter to repeat the signals that were disturbed in transit.

2,235,756

TRUSS

Jim M. Bass, Lufkin, Tex.

Application January 4, 1940, Serial No. 312,420
1 Claim. (Cl. 128—105)



A truss having a strap for disposition at the back, loops on said strap adjacent opposite ends thereof, spring wires having eyelets, buckle means at the ends of the strap connected to the eyelets, said eyelets being housed, in said loops, straps on said wires, said wires at their forward ends having downwardly converging terminals, pads having clamps engaging said inclined terminals, and adjustable strap means having downwardly diverging portions at opposite ends secured about said terminals.

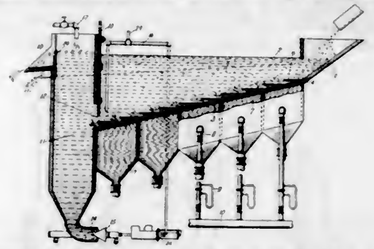
2,235,757

METHOD OF DESLIMING

Byron M. Bird, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio

Application December 30, 1938, Serial No. 248,408
5 Claims. (Cl. 209—454)

1. A method of separating slime particles from granular material which consists in causing the granular material to flow by gravity in a thin layer downwardly along an inclined surface, the inclination of said surface being such as to insure that the particles of the layer will move with relation to each other, simultaneously applying to such mobile material horizontally directed currents of water of just enough velocity so that they will diffuse and turn upwardly after



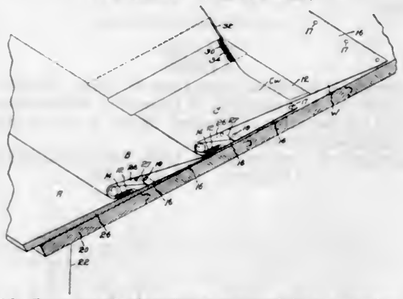
delivery, and thereafter suspending the slime particles without suspending the granular particles, withdrawing the slime particles and withdrawing the granular particles at a rate to insure that the said layer will be maintained at a substantially uniform and slight depth.

2,235,758

ROOFING

Ernest R. Dearborn, Ashland, Mass., assignor to Edward H. Angier, Framingham, Mass., as trustee

Application September 9, 1939, Serial No. 294,148
10 Claims. (Cl. 108—13)



10. In a roof structure comprising a series of elements wherein an inwardly and upwardly folded lower edge of a succeeding element overlies an upper edge portion of a preceding element, a sheet metal batten received beneath the succeeding element having at its lower edge a downwardly projecting flange bent to provide an elastic compressibility therein, which flange bears on the interfolded parts, said batten being fastened to said structure by means tensioning the flange on said parts, the succeeding element being folded over the batten and its fastening means.

2,235,759

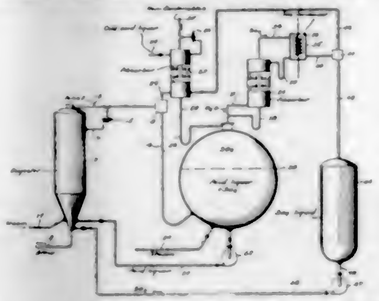
METHOD OF AND APPARATUS FOR RECOVERY AND UTILIZATION OF SULPHUR DIOXIDE IN SULPHITE PULP MANUFACTURE

Edward M. Frankel, Cedarhurst, Md., assignor to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of New York

Application August 8, 1935, Serial No. 35,289
Renewed April 25, 1940
7 Claims. (Cl. 23—131)

1. In a sulphite digesting system, the method of recovering digester relief, which consists in

first separating said relief into a liquid and a gaseous component but without substantial cooling of said relief, separating the SO_2 from the non-condensibles in said gaseous component by subjecting said gaseous component to the absorptive action under pressure of a non-alkaline menstruum of a nature as to constitute a component of the cooking liquor for the same or subsequent cooks, thereby dissolving said SO_2 to the

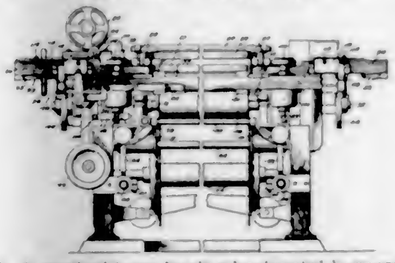


substantial exclusion of the non-condensibles, venting the latter from the system, conducting the SO_2-enriched menstruum to an acid accumulator, likewise under pressure, continuing the admission of said menstruum to said accumulator while maintaining the temperature of the latter sufficiently high to release an excess of SO_2 gas, withdrawing said excess SO_2 from said accumulator, and subjecting the SO_2 to cooling to liquefy same.

2,235,760
LOOM

Maurice A. Goldman and John O. Hunt, Highland Park, N. J., assignors to Chicopee Manufacturing Corporation, Chicopee, Mass., a corporation of Massachusetts

Application September 26, 1938, Serial No. 231,797
18 Claims. (Cl. 139—18)



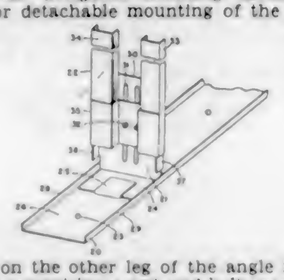
1. A vertical loom having horizontal harnesses, means coacting therewith to form a V-shaped shed, said means including a V-shaped shuttle race underneath said harnesses having a front member, a shuttle in said race with a V-shaped lower portion, and pivotal means for supporting the front member of said V-shaped race to facilitate access to the shuttle.

2,235,761
PARTITION STRUCTURE

William M. Goldsmith, Cincinnati, Ohio

Original application March 2, 1938, Serial No. 193,564. Divided and this application January 15, 1941, Serial No. 374,579
1 Claim. (Cl. 72—46)

In a device of the class described the combination of a runner having pockets formed therein, an angle iron base stud having one of its legs received in one of said pockets, cooperating means associated with the runner and the base stud for rigidly securing the base stud relative to said runner, an elongated studding member, and means for detachable mounting of the studding



member on the other leg of the angle iron base stud and comprising a nut and bolt arrangement carried by one of said members and extending through an elongated vertical slot in the other of said members and whereby those members may be secured together in various adjusted relationships determined by the length of such elongated slot.

2,235,762
SYNTHESIS OF CYCLOPROPANE

Henry B. Hass, West Lafayette, Ind., and George E. Hinds, Grosse Ile, Mich., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

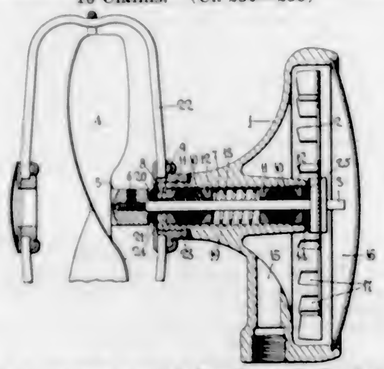
No Drawing. Application June 12, 1937, Serial No. 147,988
10 Claims. (Cl. 260—654)

2. The process of producing cyclopropane and 2-chloropropene, which comprises causing a mixture of 1,3-dichloropropane and 1,2,2-trichloropropane to react with a metal exhibiting an affinity for chlorine, to yield a chloride of the metal and a mixture of cyclopropane and 2-chloropropene, and fractionating the mixture of cyclopropane and 2-chloropropene into its components.

2,235,763
SUCTION OPERATED FAN

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application December 9, 1935, Serial No. 53,624
16 Claims. (Cl. 230—258)

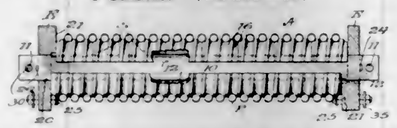


1. A housing provided with a shaft chamber and a fluid chamber adapted to be connected to a source of suction, a drive member in the fluid chamber, a shaft connected to the drive member and extending through the shaft chamber for supporting a propeller on the protruding end of the shaft member, and a lubricant-containing bearing block disposed within the shaft chamber and constituting the sole support for the shaft, the housing being otherwise spaced from the shaft and provided with a fluid passage bypassing the bearing block in the shaft chamber whereby to forestall the extraction of lubricant from the bearing block by reason of fluid leakage along the shaft into the fluid chamber.

2,235,764
HEATER

Lee P. Hynes, Haddonfield, N. J., assignor to Grace Hayes Hynes, Haddonfield, N. J.

Application November 10, 1938, Serial No. 239,865
8 Claims. (Cl. 201—63)



8. An electric heater comprising a plurality of relatively spaced aligned units, each unit including a slightly flexible flat bar, a plurality of identical dielectric sections loosely mounted on the edges of said bar and having interlocking slidable engagement therewith, and a continuous resistor wound around and engaging the dielectric sections, support rods engaging the ends of the aligned flat bars, means carried by said rods for maintaining the units in relatively spaced relation, means for releasably holding said units in said relatively spaced relation, and bus bars connected to the terminals of said resistors.

2,235,765
GREASEPROOFING WITH LOW ETHOXY ETHYL CELLULOSE

Harold C. Kelly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 19, 1939, Serial No. 274,653
1 Claim. (Cl. 91—68)

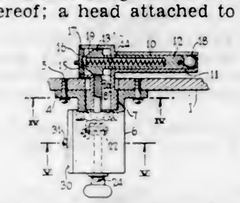
The method of preventing greasy and oily exudates from paper packages of products tending to give such exudates through paper, which comprises enclosing such products in paper bearing on at least one face thereof a substantially continuous superficial coating of an organo-soluble ethyl cellulose having an ether content of from 1.75 to 2.25 ethoxy groups per anhydroglucose unit as the sole substituents, the said coating being tough and flexible, even at sub-zero temperatures.

2,235,766
THERMAL ALARM

Rudolph F. Knaack, Brunswick, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y., a corporation of New York

Application September 14, 1938, Serial No. 229,840
3 Claims. (Cl. 200—142)

1. In a hot journal alarm, in combination: a hollow casing formed with an orificed flange adapted for attachment to a side of a journal box formed with an orifice therein, said casing formed with a cylindrical bore; a trunnion fitting into the cylindrical bore; means for retaining the trunnion in the cylindrical bore, said trunnion formed with a through bore; a plunger casing formed integrally with the trunnion, said plunger casing formed with an elongated bore and a hole through the wall thereof for the insertion of a fusible pellet; a plunger positioned and fitting the bore of the plunger casing and abutting at one end against the fusible pellet and having a cavity therein extending longitudinally thereof and having at one end an enlarged head with a sloping end face; a spring positioned within the cavity of the plunger and bearing at one end against the bottom thereof; a head attached to the plunger

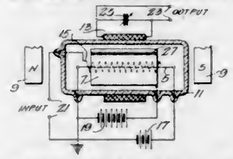


casing and forming an abutment for the other end of the spring; a spring biased circuit controlling plunger extending through the trunnion and bearing upon the head of the plunger, said circuit controlling plunger bearing a circuit spring adapted to connect two separated contact terminals and two separated contact terminals for cooperation with the said circuit spring.

2,235,767
MAGNETRON TUBE

David G. C. Luck, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 28, 1938, Serial No. 232,027
8 Claims. (Cl. 179—171)

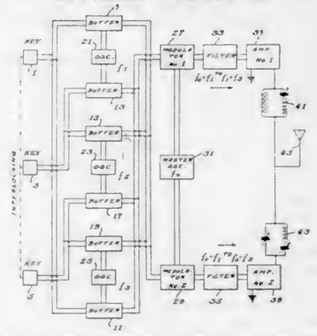


3. In a magnetron tube of the axial field type, means for creating a rotating component of anode current to produce a secondary axial magnetic field, means for varying the intensity of said secondary magnetic field, and means solely responsive to variations of said secondary magnetic field for coupling a load circuit to said magnetron.

2,235,768
RADIO REMOTE CONTROL

David G. C. Luck, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

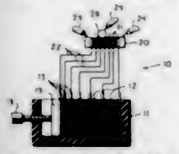
Application January 31, 1939, Serial No. 253,889
13 Claims. (Cl. 250—2)



1. In a control system means for transmitting

a pair of impulses of different frequencies, means for receiving said impulses, rectifying means responsive only upon the simultaneous application of said pair of impulses for deriving from said pair a single impulse, and means responsive to said single impulse.

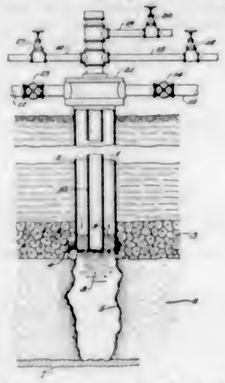
2,235,769
ELECTRICAL RESISTANCE
Raymond P. Mattern, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 21, 1938, Serial No. 241,598
2 Claims. (Cl. 201—54)



1. In a rheostat, in combination, a resistor unit comprising a series of resistance elements adapted to be placed in end to end relationship to form the complete resistor unit, said elements being removable from and insertable into said unit as desired, a contacting device in the form of a series of fixed contacts electrically insulated from each other, means for tapping said contacts into said unit at various points between any desired resistance elements, said last mentioned means being readily movable so that the points at which said contacts are tapped into said unit may be easily changed, means for applying a variable endwise pressure to said elements to vary the overall resistance of said unit, a slider cooperating with the contacts of said contacting device for making electrical contact selectively with the several contacts, and a condition responsive controller operatively connected to said slider for positioning said slider on said contacting device, movements of said condition responsive device being proportional to changes in value of the condition, whereby changes in condition occurring at the various parts of the range of said condition responsive device can be made to cause any desired change in resistance proportional to the total resistance and the total change in resistance for full movement of said condition responsive device may be varied without changing the proportion of the total resistance which each step comprises.

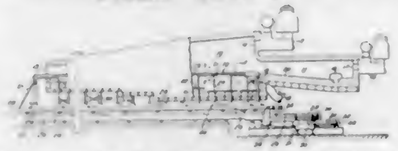
2,235,770
METHOD OF DETERMINING THE VOLUME OF A LOWER UNCASED PORTION OF A WELL
Fred I. McConnell, Midland, Tex., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application August 16, 1937, Serial No. 159,282
6 Claims. (Cl. 73—51)

5. In a method of measuring the volume of a lower uncased portion of a well containing liquid, said well being provided with the usual casing and tubing, the steps which comprise forcing the liquid standing in the well out into the formation by applying pressure in excess of the bottom hole pressure on a known volume of a substantially non-penetrating liquid mixture of a lower specific gravity than that of the liquid standing in the hole, introduced into the well in amount in excess of that required to fill the well up to the lower end of the tubing, and then removing from the well through the tubing the portion of the liquid mixture occupying the space in the well above the lower end of the tubing, measuring the volume of the liquid so removed, and



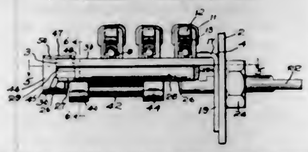
deducting said volume from the volume of the non-penetrating liquid mixture first introduced into the well, whereby the volume of the well bore below the lower end of the tubing is obtained.

2,235,771
CONTINUOUS HEATING FURNACE
George R. McDermott, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application October 23, 1939, Serial No. 300,685
1 Claim. (Cl. 263—6)



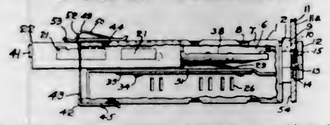
A furnace for the heating of metal objects to forging or rolling temperatures comprising an elongated chamber defined in part by a floor which at the front end of the chamber is at a higher level than at the rear end thereof and a rear end wall having an opening a substantial distance above the lowest level of the floor for the exit of heated objects from the chamber, means forming a trackway leading from said opening to the front end of the chamber for supporting the objects to be heated at a level above said floor, means including burners firing into said chamber through said wall at a level below said opening for heating the objects supported on the trackway, and means for pushing the objects toward said opening from a point intermediate the ends of the chamber and for bodily conveying the objects to said point from the front end of the chamber, said means comprising a vertically and horizontally movable elongated support underlying the floor of the chamber in parallelism with said trackway, a plurality of laterally spaced rows of longitudinally spaced pedestals mounted on said support and extending upwardly into said chamber through the floor thereof, an elongated member mounted on top of each row of pedestals, and said pedestals each consisting of a pair of radially-spaced upright tubes and a tubular cross connection between the upper ends of the tubes to permit cooling fluid to be flowed from one tube to the next.

2,235,772
SWITCH
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application November 17, 1938, Serial No. 240,984
7 Claims. (Cl. 200—16)



4. A switch of the class described comprising a dielectric plate carrying contact terminals, a contact carrier mounted opposite a lower face of said dielectric plate for reciprocable movement relative to said plate, said carrier comprising a metal retainer carrying contacts in insulated relation thereto, an integral operating shaft extending from one end of said retainer for actuating said carrier, and attaching means at an opposite end of said retainer projecting above the normal plane of said contact carrier, said dielectric plate having a supporting bearing at one end receiving said operating shaft, and said attaching means of said retainer having portions in superposed relation to said dielectric plate to maintain said end of said retainer having said attaching means in attached relation thereto, said attaching means and said dielectric plate having cooperating means limiting reciprocable movement of said contact carrier relative to said dielectric plate.

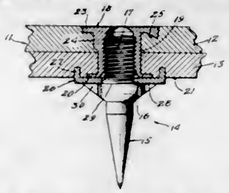
2,235,773
SWITCH
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 24, 1939, Serial No. 252,569
11 Claims. (Cl. 200—16)



1. A switch comprising a hollow switch housing having an opening at one side, contact means carried by said housing, a contact carrier reciprocable in said housing, an actuating means extending from said carrier through said housing for reciprocating movement of said carrier, said carrier and actuating means being removable through said opening of said side, and a member assembled with said housing having stop means normally intersecting said opening for limiting passage of said carrier through said opening and movable relative to said member without separation therefrom out of intersecting relation to said opening for permitting passage of said contact carrier through said opening.

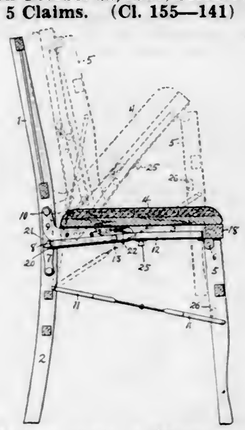
2,235,774
CLEAT DEVICE
Howard M. Pierce and John H. Hermson, Brooklyn, N. Y., assignors to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application September 30, 1940, Serial No. 358,996
10 Claims. (Cl. 36—59)

1. In combination with a shoe sole having an aperture, an internally threaded tubular insert in said aperture; flange means on said insert for arresting movement of the latter toward the outer side of the sole; peened over portions at one end of said insert, overlying the outer side of said sole; a supporting member having an outer face, overlying said peened over portions and having projecting means extending toward



and embedded in said sole; and a cleat having a base with a threaded stud extending therefrom for cooperation with said insert for drawing said cleat toward said sole and said base into substantial surface contact with the outer face of said supporting member.

2,235,775
FOLDING CHAIR
William C. Rastetter, Fort Wayne, Ind.; William C. Rastetter, Jr., administrator of said William C. Rastetter, deceased
Application October 22, 1937, Serial No. 170,314
5 Claims. (Cl. 155—141)

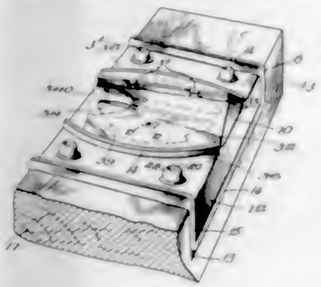


4. In a folding chair, a frame constituting a back and rear legs and provided with rigid lateral stop-studs extending inwardly from the sides thereof, hinge brackets pivoted in the frame at points spaced above said stop-studs and limited in movement in one direction by engagement with said stop-studs, a folding structure rigidly secured to said hinge brackets constituted of a seat and forelegs hinged thereto, arms pivoted at their opposite ends respectively on said frame and forelegs, and means on the folding structure engageable with said stop-studs whereby to secure the chair in extended position.

2,235,776
RAILWAY TIE PLATE
Herschel Lee Rushing, Nashville, Tenn.
Application June 2, 1938, Serial No. 211,457
4 Claims. (Cl. 238—305)

1. In a tie plate, a plate securable to the top of a tie and having an opening therein whose outer edges described the outer circumference of

a circle, upwardly projected arcuate flanges extending from said plate and concentric with and spaced from said opening, a turntable positioned upon said plate between said flanges and having an under-portion extending into said opening in said plate to rest upon the tie, the edges of said turntable and under-portion thereof engaging said flanges and the edges of said opening respective-



ly; a lateral projection on the turntable extending into a recess in the portion of the tie plate underlying the turntable, and rail base-spike holes extending through the turntable and allowing spikes to be driven directly into the tie and certain of said openings being disposed in said lateral extension whereby the turntable may be held in adjusted positions.

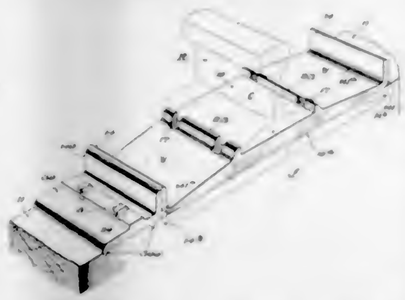
2,235,777

RAILWAY TIE PLATE

Herschel Lee Rushing, Nashville, Tenn.

Original application June 2, 1938, Serial No. 211,457. Divided and this application May 2, 1940, Serial No. 333,025

15 Claims. (Cl. 238—304)



1. A standard metal tie plate to be interposed between a wooden rail tie and a track rail; the said tie plate having, in combination, a substantially horizontal tie-top engaging member upon which the rail rests and having its opposite ends extending upwardly, spike holes in said top member, and a metal brace plate securable to the tie at least at one end of the top member and having one edge portion thereof substantially coextensive with the adjacent end of the top member for abutting the same, thereby permitting substantially vertical relative movement between the top member and brace plate, but resisting horizontal movement in a direction toward the brace plate.

6. In a railway tie plate to be interposed between a rail tie and a rail, the tie plate including a substantially flat tie engaging plate member having an intermediate rail receiving portion with abutment means for locating the rail base and end portions extending laterally of the rail base receiving portion, upturned projecting lips at the outer ends of said end portions and which extend substantially transversely of the tie, each outer surface at the juncture of said lips and tie plate and contiguous to the tie being on a convexed arc, said arcs being non-cutting means against the tie, and said lips functioning as buffer means against longitudinal movement of the tie plate with respect to the tie as the tie plate wears down into the tie and preventing cutting or skiving of the tie by the ends of the tie plate.

2,235,778

STENCIL DUPLICATING MACHINE

Abe Samuels, Chicago, Ill., assignor to Speed-O-Print Corporation, Chicago, Ill., a corporation of Illinois

Application February 1, 1939, Serial No. 254,062

6 Claims. (Cl. 101—116)



1. The combination with a stencil duplicating machine comprising a drum having a foraminated cylindrical segment surface adapted to support a stencil and an impression roller coacting in yieldable peripheral engagement therewith, of a protector clamp plate pivotally mounted on brackets therefor between the heads of said drum and extending arcuately to and terminating adjacent the lead end of said drum surface and adapted to progressively engage and depress said roller prior to its engagement with the drum surface and to bring it into smooth engagement therewith, and locking means carried by said plate engageable with means formed on said brackets.

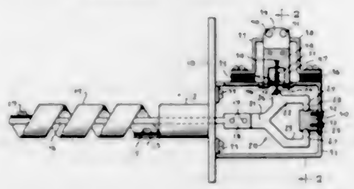
2,235,779

TORSIONAL SNAP ACTION DEVICE

George C. Van Dusen, Jr., St. Louis Park, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 8, 1939, Serial No. 260,605

17 Claims. (Cl. 200—138)



1. A snap action switching mechanism com-

prising in combination, a member providing a pair of opposed bearing surfaces, a resilient member provided with a pair of fingers, said fingers being in engagement with said bearing surfaces so as to place stress in said resilient member, means for causing relative rotation between said bearing surfaces and said resilient member whereby said mechanism snaps from one position to another, and switching means operated by one of said members.

2,235,780

SOCKET OR CONTACT FOR ELECTRIC PLUG OR PIN COUPLINGS

George Wagstaff, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass., a company of Massachusetts

Application August 17, 1938, Serial No. 225,324

In Great Britain October 20, 1937

3 Claims. (Cl. 173—328)



1. A one-piece sheet metal contact for electric plug couplings comprising a support-engaging base formed with a tubular attaching member for attaching said contact to a support and providing a plug-receiving and contacting aperture in said base, a single spaced prong formed with a plug-receiving aperture presenting an arcuate thin contacting edge for engagement with said plug and normally disposed out of axial registry with the corresponding side of the plug-receiving base aperture, a connection between said prong and base including an angular bend providing a localized point about which said prong may resiliently flex, said prong-contacting edge being spaced from said point of flexure and from the base aperture a distance substantially greater than the distance between the point of flexure and nearest side portion of the plug, said plug when inserted through said base aperture engaging and flexing said prong under tension away from the base about said point of flexure, causing said thin contacting edge to be aligned with the corresponding side of said base aperture to receive and tightly grip said plug, the plug-receiving aperture of said prong being of a diameter slightly greater than the diameter of said plug to permit slight lateral movement of said plug in the aperture to permit release of said plug, said contact being provided with a wire-receiving portion.

2,235,781

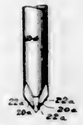
SCREW DRIVER

Adolph Werme, Worcester, Mass., assignor to Reed & Prince Manufacturing Company, Worcester, Mass., a corporation of Massachusetts

Application May 13, 1938, Serial No. 207,793

2 Claims. (Cl. 145—50)

1. A screw driver for use with a screw having a recess extending into its upper face along its longitudinal axis, walls of said recess comprising alternate ribs and grooves converging to a common point, said driver having a bit end presenting alternate downwardly converging grooves and ribs adapted to be received in the ribs and grooves respectively of the screw recess, ribs of said screw recess and grooves of said bit end on the driving tool being inclined at the same angle from the longitudinal axes of the screw and bit respectively, the diameter of the driver in the zone of the bit end, measured between the bottoms of the grooves in any transverse plane at right angles to the longitudinal axis of the driver, being greater than the diameter of the screw recess measured between the edges of the ribs in a similar transverse plane located the same distance from said common point in the



recess as the distance from the tip of the bit end to the said first-mentioned transverse plane so that, when the driver bit is rectilinearly advanced into the screw recess, engagement of ribs of the recess with grooves of the driver bit along a substantial part of the length of said ribs will prevent any substantial engagement of the outer edge surfaces of the ribs of the driver bit with the bottom of the grooves of the screw recess and of the tip of the driver bit with the said common point in the screw recess.

2,235,782

SOLUBLE CO-POLYMERS OF VINYL CHLORIDE AND VINYLIDENE CHLORIDE

Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 1, 1939, Serial No. 265,512

3 Claims. (Cl. 260—86)

1. The method which comprises reacting together under polymerizing conditions a mixture of from about 45 to about 85 parts of the monomer of vinyl chloride and corresponding from about 55 to about 15 parts of the monomer of vinylidene chloride to produce a co-polymeric body having a softening point below 100° C. and a solubility of at least 30 per cent as determined by retention in solution in a solubility test, wherein 1 gram of the co-polymer is dissolved in 25 cc. of dioxane and diluted with 25 cc. of petroleum ether.

2,235,783

ETHERS OF GLUCOSIDES

Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

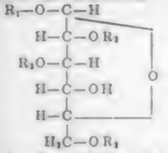
No Drawing. Application September 13, 1939, Serial No. 294,679

10 Claims. (Cl. 260—210)

1. In a method of preparing a lower alkyl 2.3.6-triethyl glucoside and of mixed lower alkyl 2.3-, 2.6- and 3.6-diethyl glucosides from an ethylated complex polysaccharide, the step of separating a mixture of lower alkyl 2.3.6-triethyl glucoside and lower alkyl 2.3-, 2.6- and 3.6-diethyl glucosides from lower alkyl mono-ethyl glucosides, lower alkyl unethylated glucoside and reaction tars by extraction with petroleum ether, the lower alkyl group in each instance derived from a primary or secondary alcohol containing 2 to 4 carbon atoms inclusive.

2,235,784
GLUCOSIDE ETHERS
Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 13, 1939, Serial No. 294,680
5 Claims. (Cl. 260—210)

1. A compound of the formula



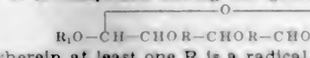
wherein R_1 is a member of the class consisting of the aralykyl, aryloxy alkyl and cycloalkyl radicals, and where a plurality of the groups designated as R_2 are ethyl radicals, the remainder being hydrogen.

2,235,785
SORBITOL ETHERS
Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 13, 1939, Serial No. 294,681
7 Claims. (Cl. 260—615)

1. An ether of sorbitol, wherein at least one of the 2- and 3-positions is occupied by an etherifying radical selected from the class consisting of (*a*) alkyl radicals, (*b*) aralkyl radicals, and (*c*) hydroxy alkyl radicals, and the other of the 2- and 3-positions and the 6-position are each occupied by a member of the class consisting of hydrogen and the same alkyl, aralkyl and hydroxy alkyl radicals the 1-, 4-, and 5-positions being unetherified.

2,235,786
PENTOSIDE ETHERS
Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 13, 1939, Serial No. 294,683
8 Claims. (Cl. 260—210)

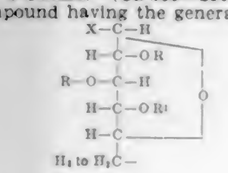
1. A compound having the general formula



wherein at least one R is a radical selected from the class consisting of alkyl and aralkyl, and the balance of the radicals R are hydrogen, R_1 is a radical selected from the class consisting of the primary and secondary alkyl, aralkyl, cycloalkyl, hydroxy-alkyl, alkoxy-alkyl, and aryloxy-alkyl radicals, and wherein at least one of the radicals R and R_1 contains more than one carbon atom.

2,235,787
HALOGEN ACYL ALKYL HEXOSES
Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 13, 1939, Serial No. 294,685
6 Claims. (Cl. 260—210)

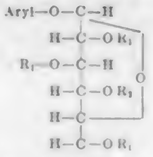
1. A compound having the general formula



wherein at least one R is selected from the class consisting of alkyl and aralkyl radicals, the remainder of the radicals R being acyl groups, R^1 is an acyl radical, and X is one of the halogens chlorine and bromine.

2,235,788
SUBSTITUTED ARYL GLUCOSIDES OF GLUCOSE ETHYL ETHER ESTERS
Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 13, 1939, Serial No. 294,686
6 Claims. (Cl. 260—210)

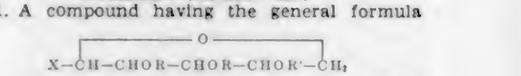
1. A compound having the formula



wherein the aryl radical is selected from the class consisting of tertiary alkyl substituted phenyl radicals, polyhalogen-substitution products thereof, and polyhalogen-substituted phenyl radicals, at least one of the radicals R_1 is an ethyl group, the remainder of the radicals R_1 and the radical R_2 being acetyl groups.

2,235,789
HALOGEN ACYL ALKYL PENTOSES
Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 13, 1939, Serial No. 294,687
6 Claims. (Cl. 260—210)

1. A compound having the general formula



wherein one R is an alkyl radical, the other R is selected from the group consisting of alkyl radicals and acyl radicals, R′ is an acyl radical and X is one of the halogens bromine and chlorine.

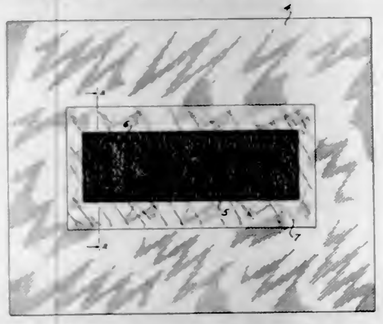
2,235,790
ARYL ALKYL GLUCOSIDES
Elwood V. White, Moscow, Idaho, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 13, 1939, Serial No. 294,689
6 Claims. (Cl. 260—210)

1. A 2.3.6-trialkyl ether of a glucoside of a phenol having a dissociation constant less than 10^{-7}.

2,235,791
WRAPPING LABEL
Philip Wohlers, Milwaukee, Wis., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 13, 1939, Serial No. 250,760
1 Claim. (Cl. 91—67.9)

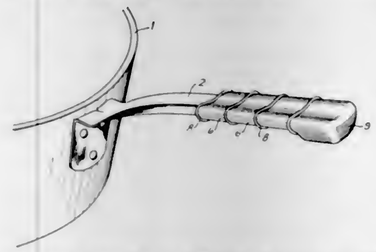
A combined unitary ornamental wrapper sheet and display label for commodities, consisting of a single thin and moisture resistant sheet of glassine paper which is opaque and of a dark color throughout and having a local area thereof

coated with a thin layer of color tinted metal ink to enhance the lustre and aesthetic appearance of the sheet at said area and to provide a brilliant background contrasting with surrounding areas and imparting to the coated area of the sheet the appearance of an inlay of metal foil flush with the main sheet, said sheet further including decorative identifying indicia of contrasting hue applied to and superposed on said metal-



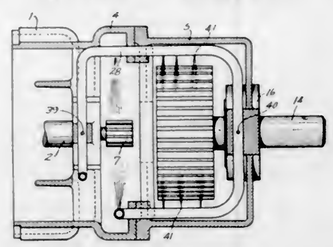
lic ink coated brilliant background to sharply contrast therewith, and a glossy transparent protective coating completely covering and superposed on said background area and decorative indicia of said sheet to protect said ink coated background and said decorative indicia while further enhancing the lustre thereof and to cooperate therewith to increase the strength and resistance of the sheet against wrapping strains.

2,235,792
UTENSIL HANDLE
Joseph J. Bauman, Chicago, Ill., assignor to Kurz-Kasch, Inc., Dayton, Ohio, a corporation of Ohio
Application April 10, 1939, Serial No. 267,030
2 Claims. (Cl. 16—116)



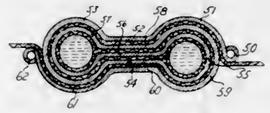
1. A utensil handle including a handle member, of concavo-convex cross section, said member having each of the sides of its outer end portion cutaway to form a pair of transversely alined shoulders, a series of identical interchangeable sections and a terminal section, said sections having axial openings of concavo-convex cross section to conformably receive the cutaway portion of the handle member and mounted on the latter, the inner end of the innermost section abutting said shoulders throughout the entire length of the latter, the opening in the terminal section being closed at the outer end thereof, said terminal section having an enlargement on its under side to provide a hand engaging abutment, and a set screw extending through said enlargement for contacting the handle member to releasably hold said sections in position.

2,235,793
LUBRICATING APPARATUS
Arthur F. Berger, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application September 21, 1938, Serial No. 231,013
15 Claims. (Cl. 184—6)



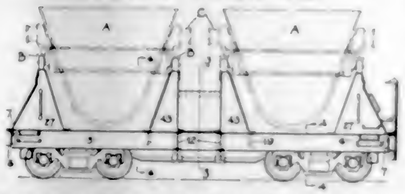
1. In a lubricating apparatus wherein lubricant under pressure is supplied to differently located operating parts enclosed within a housing, including a circuitous distribution conduit extending in proximate relation with the parts to be lubricated and having relatively spaced discharge outlets contiguous to the points of application of lubricant from which lubricant is discharged to said parts and thence into the housing, a pump having lubricant intake and discharge orifices, and including a main body portion and a head reversible to enable the connection of the pump discharge orifice with either end of the distribution conduit for circulation of lubricant therethrough in either direction, and lubricant suction passages communicating respectively with the intake orifice of the pump in alternate positions of the main body portion and head of the pump to return spent lubricant from the housing to the pump.

2,235,794
FASTENING DEVICE
Oscar A. Berman, New York, N. Y., assignor to Oscar A. Berman, as trustee for Elsie L. Berman, Nina A. Berman, and Jean S. Berman
Application January 3, 1939, Serial No. 248,976
15 Claims. (Cl. 24—207)



7. A clip for closing an opening, said clip comprising four arcuate portions, two on each side, one of each group of two being disposed within the other, said clip being adaptable for slidable movement along beads in lips at either side of said opening, said lips being capable of being interfolded and interlocked with each other, said clip including three walls intermediate the cylindrical bends on either side, forming common connections for the arcuate portions between which said lips are folded, whereby one wall of each of said lips is made to slide in between the folds of the other upon the spreading apart of a plurality of said clips over the length of the closure, each of said clips including a front wall and a back wall parallel with said three intermediate walls, whereby said clips are prevented from being turned in the opposite direction by tension on said clips.

2,235,795
CAR CONSTRUCTION
Minot C. Blest, Bellevue, and Harold E. Abkowitz, Pittsburgh, Pa., assignors to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 7, 1940, Serial No. 322,738
10 Claims. (Cl. 105—272)



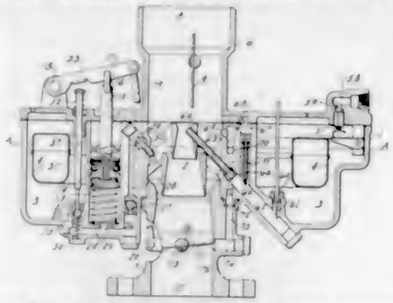
1. In a car of the character described, in combination, a car floor, spaced trunnion stands mounted on said floor, a tiltable lading container supported upon said trunnion stands and above said floor, and a car underframe supporting said floor and including inclined side members providing a stop for said lading container when in tilted position and a shed plate for the lading.

2,235,796
PURIFICATION OF HALOGEN-CONTAINING POLYMERS
Edgar C. Britton and Fred L. Taylor, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 26, 1938, Serial No. 237,056
3 Claims. (Cl. 260—80)

1. The method which comprises subjecting a halogen-containing polymeric body in finely divided form comprising, as a major polymerized constituent, at least one member of the group consisting of the vinylidene halides and the vinyl halides to the action of a reducing agent selected from the group consisting of sodium bisulphite and an oxalic acid-sulphuric acid mixture, the said reducing agent being dissolved in a liquid non-solvent wetting agent for the polymeric body, the treatment being carried out at a temperature between room temperature and the boiling point of the liquid medium, thereby to remove peroxide-containing catalyst residues from the polymeric body.

2,235,797
ACCELERATING PUMP
Harold A. Carlson, University City, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 6, 1939, Serial No. 272,124
4 Claims. (Cl. 261—34)

1. In a carburetor, a mixture conduit, a constant level fuel bowl, a throttle in said conduit, aspirating fuel passage means connecting said fuel bowl with said conduit, an accelerating pump including a movable part and a working chamber, a passage connecting said working chamber with said fuel chamber and a more restricted discharge passage opening into said mixture conduit, a resiliently seated valve in said first-mentioned passage and an outwardly opening check valve in said discharge passage, a positively operating connection between said throttle and the movable part of said pump, and means actuated by movement of said movable part to positively unseat the valve in said connecting passage in coordination with discharging movement of said pump beyond a predetermined point whereby substantially the remainder of the

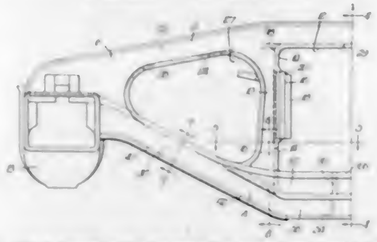


pumped fuel is by-passed through said connecting passage.

2,235,798
GREASE-PROOFING PAPER
William R. Collings, Floyd C. Peterson, and Harold C. Kelly, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 19, 1939, Serial No. 274,652
2 Claims. (Cl. 91—68)

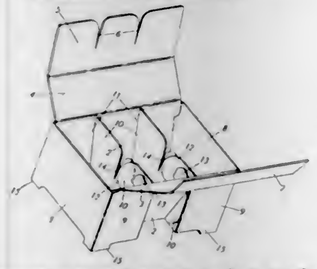
1. The method of preventing greasy and oily exudations from paper packages of products tending to give such exudates through paper, which comprises enclosing such products in paper bearing on at least one face thereof a substantially continuous superficial coating of a water-soluble cellulose ether of a type whose 5 per cent solution in water has a viscosity above 70 centipoises, the said coating being tough and flexible, even at sub-zero temperatures.

2,235,799
SIDE FRAME
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 10, 1939, Serial No. 267,126
4 Claims. (Cl. 105—206)



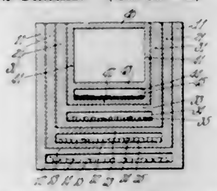
1. In a truss side frame for a railway car truck, a compression member of inverted U-section, a tension member of inverted U-section, integral columns joining said members and forming therewith spaced window openings and an intervening bolster opening, said tension member having beneath said bolster opening a horizontal portion of box section with a top chord thereof widened and formed with upstanding flanges defining a spring seat portion, said top chord being continuous with the web of said U-section tension member outwardly of said columns, said upstanding flanges converging adjacent their ends toward said columns and merging with said web at the bases of said columns, each of said columns having a U-section with the side walls thereof flaring adjacent their lower ends to merge with said converging flanges, each of said columns having a vertical web extending from said compression member to said tension member and interrupted centrally thereof by a bolster guide portion, said guide portion comprising an arcuate wall interrupted centrally thereof by a vertical guide flange, all of said guide portion being spaced from the top of said bolster opening to afford entrance of an associated bolster end thereabove.

2,235,800
COLLAPSIBLE BOX OR CARTON
John Columba Torpey Daly, London, England
Application August 20, 1938, Serial No. 225,899
In Great Britain September 7, 1937
3 Claims. (Cl. 229—27)



2. A compartmented carton or box made from a single blank of sheet material such as cardboard or other suitable foldable sheet material, comprising a rectangular base, upwardly and outwardly inclined front and rear walls, slots in said walls, end walls having a width greater than the width of said base, integral extensions of said end walls, the said extensions at the ends being foldable inwards of the box or carton at right angles to said end walls to form short outer vertical wall parts extending only partly along the carton or box, partition forming tongues formed on integral prolongation of said short outer wall part and adapted to be inserted in said slots and folded transversely across the interior of the carton, and means to interlock the overlapping ends of the partition forming extensions.

2,235,801
EDUCATIONAL DEVICE
Anne Farrell Herlihy, New York, N. Y.
Application March 16, 1940, Serial No. 324,360
2 Claims. (Cl. 35—1)

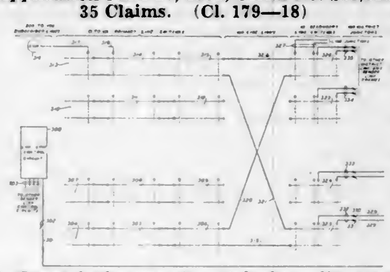


1. An educational device for children comprising in combination, a plurality of separate receptacles each having side walls and bottom walls, the said receptacles being of graduated sizes whereby they may be arranged in nested relation with the bottom wall of a smaller receptacle resting on the bottom wall of a next larger receptacle, the bottom walls of each receptacle including spaced wall members co-operating with the side walls of the receptacles to provide compartments in the lower side of said receptacles, and a group of separate objects in each of said compartments arranged with relation to said compartments whereby as each receptacle is shaken the objects in the compartment thereof strike against the walls forming said compartment to produce sounds.

2,235,802
LUMINESCENT SUBSTANCE FOR ELECTRIC DISCHARGE VESSELS
Pierre Lemaigre-Voreaux, Paris, France
No Drawing. Application January 31, 1939, Serial No. 253,945. In France February 3, 1938
6 Claims. (Cl. 250—81)

1. A luminescent substance for electric discharge vessels comprising a luminescent salt of an oxygen-containing acid having in intimate simple mechanical admixture therewith an uncombined addition of free oxide of a metal selected from the group consisting of beryllium, magnesium and aluminum.

2,235,803
TELEPHONE SYSTEM
Warren W. Carpenter, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 17, 1938, Serial No. 214,356
35 Claims. (Cl. 179—18)

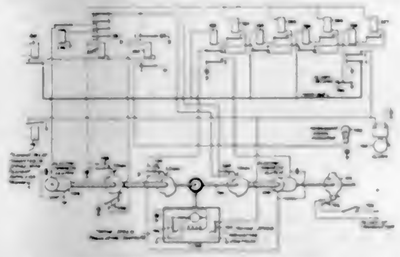


1. In a telephone system, telephone lines, automatic switches, a register sender and a plurality of markers common to said switches, each marker serving to perform a series of functions for controlling the selective operation of said switches in the extension of a call, means responsive to a call on one of said lines for causing said sender to seize one of the markers for use, means effective when the marker has performed a portion of its functions for causing the sender to dismiss the marker, and means associated with the marker and effective if the marker ceases at any point to progress with its functions for releasing it and for causing the sender again to seize one of said markers for a new trial.

2,235,804
AUTOMATIC SIGNAL RESPONSIVE DEVICE
William Walter Macalpine, East Orange, N. J., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California
Application March 23, 1937, Serial No. 132,551
3 Claims. (Cl. 177—353)

1. An arrangement for responding to a predetermined sequence of signal pulses of particular length range and interspersed spaces of a definite maximum length, comprising a signal receiver, a mechanically driven dash timing means for determining the minimum and maximum

duration of said dash, a mechanically driven space timing means operative for a predetermined period, a signal registering means for said received signals, means for setting said dash timing means into operation in response to reception of signal pulses by said receiver, means for setting said space timing device into operation in response to termination of reception of signals by said receiver if said received signal at least lasts the minimum duration, means for operating said signal register in response to the operation of said dash timing means for said minimum dash period, means tending to restore said register to normal in response to the operation of said space timing device for said predetermined period, means responsive to receipt



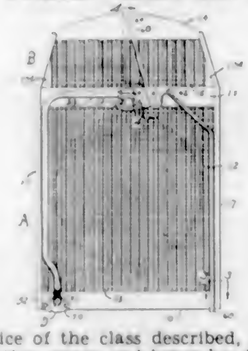
of the succeeding signal pulse prior to the expiration of said predetermined period for preventing restoration by said space timing means while maintaining said means tending to restore operation, means operative in response to subsequent operation of said dash timing means for said minimum period for restoring said space timing means to unoperated condition and disabling said means tending to restore, means responsive to operation of said dash timer for a period greater than the maximum duration of said signal impulse for restoring said dash timer and register to unoperated condition, and means for delaying response of said arrangement to a subsequent received signal impulse until said dash timer is restored to normal.

2,235,805
HEADGEAR
Esther L. Susser, Jersey City, N. J.
Application April 29, 1940, Serial No. 332,364
3 Claims. (Cl. 2—175)



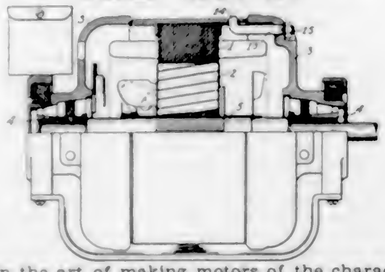
1. A head covering of the character described, said head covering comprising a hood to accept the head of the wearer, a first draw-string secured at its lower end to the inside of the lower part of the front of the hood and extending upwardly along the inside of the front of the hood, a second draw-string secured at its lower end to the inside of the lower part of the back of the hood and extending upwardly along the inside of the back of the hood, and means securing the upper ends of said draw-strings across the top of the hood to constrict the hood on the head of the wearer.

2,235,806
LIQUID AND VAPOR HEAT EXCHANGER
George W. Walker and Homer B. Morrow, Platteville, Wis.
Application April 30, 1938, Serial No. 205,162
2 Claims. (Cl. 257—125)



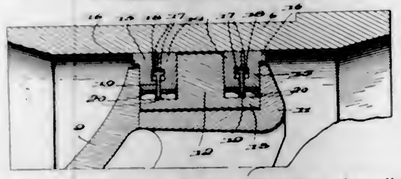
2. A device of the class described, comprising in combination upper and lower headers having coolant passageways therebetween forming a radiator, coolant inlet and outlet connections in said upper and lower headers, a supplemental header positioned a distance above said upper header, a multiplicity of tubes having their ends operatively connected to the adjacent walls of said upper and supplemental headers forming a vapor passageway therebetween, means for maintaining the coolant level a distance below the top of said upper header, means for releasing excessive vapor pressure in said supplemental header, said pressure releasing means comprising a tube forming a vapor outlet from said supplemental header and depending downwardly and having an S-shaped loop positioned adjacent said upper header, the lower loop having a relatively small aperture at its bottom which leads into the bottom of said upper header, the upper loop being positioned a distance below the top of said upper header to thereby form a surplus coolant overflow and a self-sealing trap and the means for permitting the escape of excessive vapor pressure.

2,235,807
ELECTRIC MOTOR FRAME CONSTRUCTION
Edwin C. Ballman, St. Louis, Mo.
Application June 9, 1937, Serial No. 147,251
1 Claim. (Cl. 171—252)



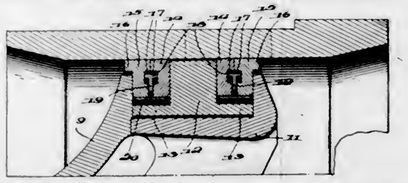
In the art of making motors of the character described, the method comprising, assembling a laminated core on a mandrel, compressing said core between end rings, welding the end rings to a surrounding frame barrel, rotating the assembly on the mandrel axis, and machining an alining surface on the barrel on said axis.

2,235,808
PACKING RING
Percy M. Gilmer, Roanoke, Va., assignor of forty per cent to William D. Staples and James N. Kincanon
Application August 3, 1938, Serial No. 222,898
5 Claims. (Cl. 309—29)



1. In a structure of the character described, the combination with a body having a circumferential channel, expansible packing rings arranged in side-by-side relation in said channel and having mating grooves in facing sides thereof, a retainer ring free from the body and interposed between the packing rings with means received in said grooves, said retainer ring having the inner edge thereof approximately of the same diameter as the bottom of the channel having relatively close sliding fit therewith after assembly, and expanding springs on opposite sides of the retainer ring between the bottom of the channel and the packing rings.

2,235,809
PACKING RING
Percy M. Gilmer, Roanoke, Va., assignor of forty per cent to William D. Staples and James N. Kincanon
Application August 3, 1938, Serial No. 222,899
4 Claims. (Cl. 309—29)

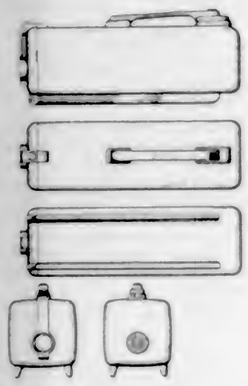


1. A packing structure comprising expansible packing rings arranged in side-by-side relation and having mating grooves in facing sides thereof, a non-expansible completely annular retainer ring having portions received in said grooves, said packing rings having inner portions projecting inwardly of said retainer ring, and a spring overlapping the inner edges of the packing rings and bearing outwardly on said inner portions of the packing rings.

DESIGNS

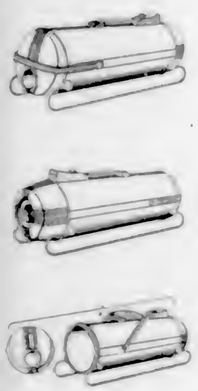
MARCH 18, 1941

125,881
DESIGN FOR A VACUUM CLEANER TANK OR THE LIKE
Howard B. Barber, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application August 7, 1940, Serial No. 94,279
Term of patent 14 years



The ornamental design for a vacuum cleaner tank or the like, substantially as shown.

125,882
DESIGN FOR A VACUUM CLEANER
Tord Erik Daniel Bilde, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application October 4, 1940, Serial No. 95,636
In Sweden July 17, 1940
Term of patent 14 years



125,882—Continued



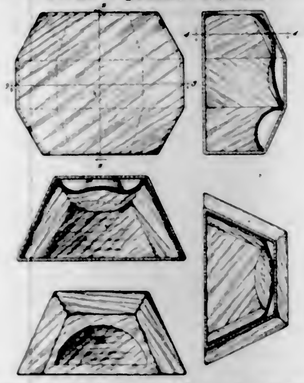
The ornamental design for a vacuum cleaner, as shown and described.

125,883
DESIGN FOR A DISPLAY CABINET
James R. Connor, New York, N. Y.
Application May 21, 1940, Serial No. 92,493
Term of patent 7 years



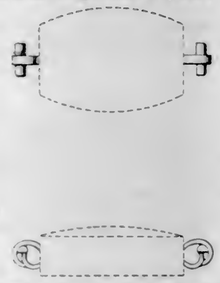
The ornamental design for a display cabinet, substantially as shown and described.

125,884
DESIGN FOR AN AQUARIUM
Floyd J. Daughtry, Tyler, Tex.
Application July 15, 1940, Serial No. 93,669
Term of patent 14 years



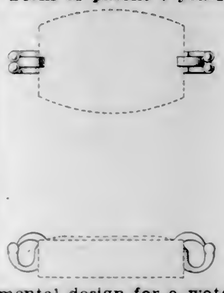
The ornamental design for an aquarium, as shown.

125,885
DESIGN FOR A WATCHCASE
Julius Dinhofer, New York, N. Y.
Application December 11, 1940, Serial No. 97,249
Term of patent 7 years



The ornamental design for a watch case, substantially as shown and described.

125,886
DESIGN FOR A WATCHCASE
Julius Dinhofer, New York, N. Y.
Application December 11, 1940, Serial No. 97,250
Term of patent 7 years



The ornamental design for a watch case, substantially as shown and described.

125,887
DESIGN FOR A WATCHCASE
Julius Dinhofer, New York, N. Y.
Application December 11, 1940, Serial No. 97,251
Term of patent 7 years





The ornamental design for a watch case, substantially as shown and described.

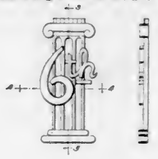
125,888
DESIGN FOR A COMBINED SOLE AND HEEL
Robert E. Frederick, New York, N. Y.
Application January 23, 1941, Serial No. 98,335
Term of patent 3½ years





The ornamental design for a combined sole and heel, as shown.

125,889
DESIGN FOR A MEDAL OR SIMILAR ARTICLE
Joseph Granat, San Francisco, Calif.
Application June 12, 1940, Serial No. 92,945
Term of patent 3½ years





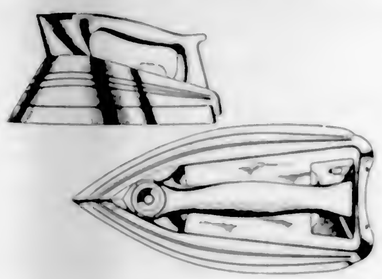
The ornamental design for a medal or similar article, substantially as shown.

125,890
DESIGN FOR A SLIDER BODY
Glen Holland, Bronxville, N. Y., assignor to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware
Application November 14, 1940, Serial No. 96,571
Term of patent 14 years



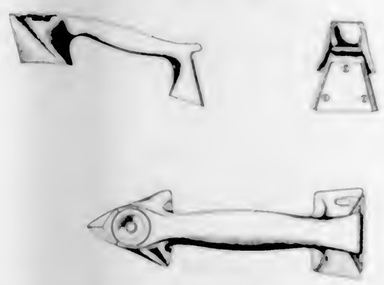
The ornamental design for a slider body, substantially as shown.

125,891
DESIGN FOR AN ELECTRIC IRON
Charles S. Jackson, Elmhurst, Ill., assignor to Merrill M. Kistner, Chicago, Ill.
Application July 10, 1940, Serial No. 93,544
Term of patent 14 years



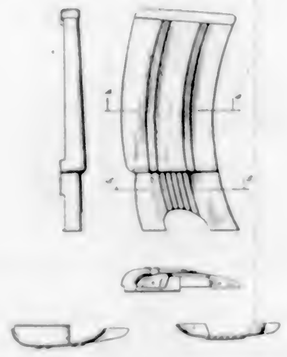
The ornamental design for an electric iron, substantially as shown.

125,892
DESIGN FOR A HANDLE FOR AN IRON
Charles S. Jackson, Elmhurst, Ill., assignor to Merrill M. Kistner, Chicago, Ill.
Application August 12, 1940, Serial No. 94,380
Term of patent 14 years



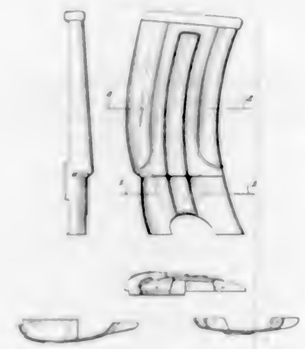
The ornamental design for a handle for an iron, substantially as shown.

125,893
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Leo Jiranek, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application July 8, 1940, Serial No. 93,499
Term of patent 7 years



The ornamental design for an end standard for theater chairs, substantially as shown.

125,894
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Leo Jiranek, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application July 8, 1940, Serial No. 93,500
Term of patent 7 years



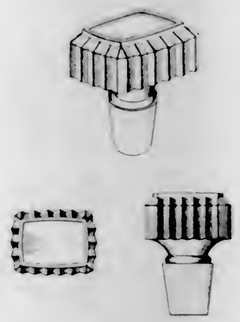
The ornamental design for an end standard for theater chairs, substantially as shown.

125,895
DESIGN FOR A WEDGE HEEL FOR SHOES AND SLIPPERS
Kenneth Keyes, New York, N. Y.
Application December 7, 1940, Serial No. 97,148
Term of patent 7 years



The ornamental design for a wedge heel for shoes and slippers, as shown.

125,896
DESIGN FOR A BOTTLE STOPPER
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1940, Serial No. 97,325
Term of patent 7 years



The ornamental design for a bottle stopper, substantially as shown.

125,897
DESIGN FOR A BOTTLE STOPPER
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1940, Serial No. 97,326
Term of patent 7 years



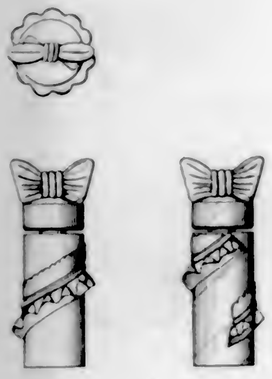
The ornamental design for a bottle stopper, substantially as shown.

125,898
DESIGN FOR A BOTTLE STOPPER
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1940, Serial No. 97,328
Term of patent 7 years



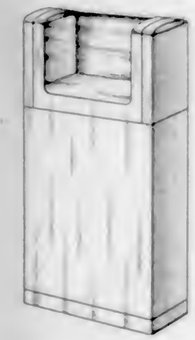
The ornamental design for a bottle stopper, substantially as shown.

125,899
DESIGN FOR A BOTTLE
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 91,490
Term of patent 7 years



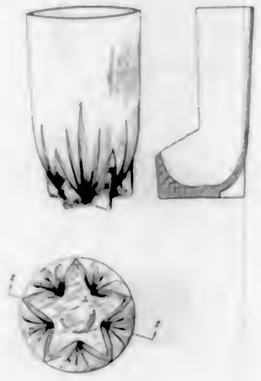
The ornamental design for a bottle, substantially as shown.

125,900
DESIGN FOR A DISPLAY CONTAINER OR SIMILAR ARTICLE
Albert Mosheim, South Orange, N. J.
Application January 25, 1941, Serial No. 98,384
Term of patent 7 years



The ornamental design for a display container or similar article, substantially as shown and described.

125,901
DESIGN FOR A GLASS TUMBLER OR ARTICLE OF SIMILAR NATURE
Albert H. Nicholson, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a corporation of Ohio
Application January 21, 1941, Serial No. 98,230
Term of patent 7 years



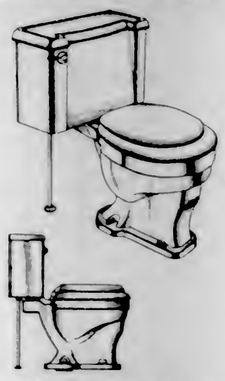
The ornamental design for a glass tumbler or article of similar nature, substantially as shown.

125,902
DESIGN FOR A COMBINED WATER CLOSET TANK AND BOWL
Bernard B. Pieslak, Abingdon, Ill., assignor to Abingdon Sanitary Manufacturing Company, Abingdon, Ill., a corporation of Illinois
Application July 12, 1940, Serial No. 93,589
Term of patent 7 years



The ornamental design for a combined water closet tank and bowl, substantially as shown.

125,903
DESIGN FOR A COMBINED WATER CLOSET TANK AND BOWL
Bernard B. Pieslak, Abingdon, Ill., assignor to Abingdon Sanitary Manufacturing Company, Abingdon, Ill., a corporation of Illinois
Application July 12, 1940, Serial No. 93,590
Term of patent 7 years

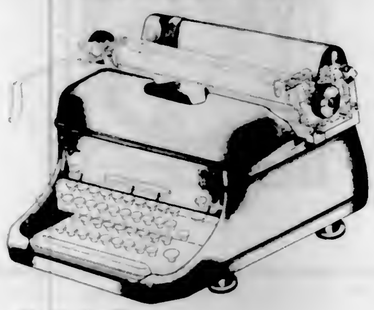


The ornamental design for a combined water closet tank and bowl, substantially as shown.

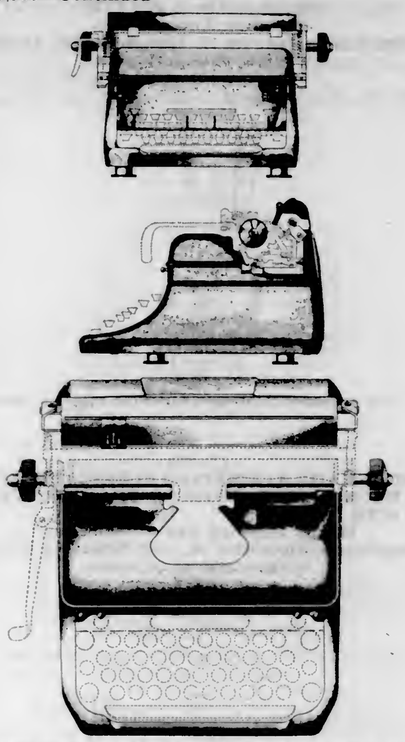
125,904
DESIGN FOR A MATTRESS HANDLE
Milton L. Shifman, East Orange, N. J.
Application January 4, 1941, Serial No. 97,817
Term of patent 14 years

The ornamental design for a mattress handle, as shown.

125,905
DESIGN FOR A TYPEWRITING MACHINE
Russell G. Thompson, Elmira, N. Y., assignor to Remington Rand Inc., Buffalo, N. N. Y., a corporation of Delaware
Application July 11, 1940, Serial No. 93,572
Term of patent 7 years

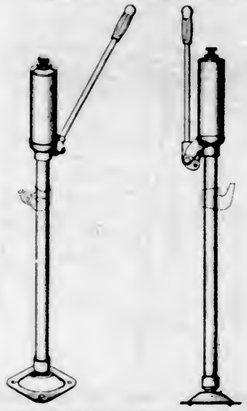


125,905—Continued



The ornamental design for a typewriting machine, as shown.

125,906
DESIGN FOR A HYDRAULIC JACK OR THE LIKE
Clifford M. Akins, Minneapolis, Minn.
Application December 27, 1940, Serial No. 97,894
Term of patent 7 years



The ornamental design for a hydraulic jack or the like, substantially as shown and described.

125,907
DESIGN FOR A PIN CLIP
Ben Blue, Encino, Calif.
Application January 10, 1941, Serial No. 97,968
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,908
DESIGN FOR A COMBINED LUBRICATING OIL RACK AND WINDSHIELD CHAMOIS SERVICER
Dan R. Boisseau, San Antonio, Tex.
Application December 26, 1940, Serial No. 97,624
Term of patent 3½ years



The ornamental design for a combined lubricating oil rack and windshield chamois servicer, as shown.

125,909
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, and Earl W. Dulmage, Detroit, Mich., assignors, by mesne assignments, to said Daniel J. Crowley
Application December 21, 1940, Serial No. 97,521
Term of patent 14 years



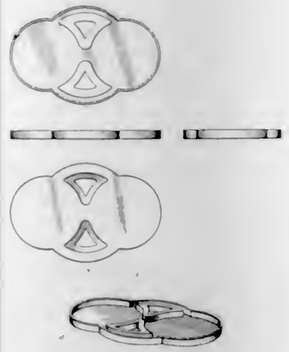
The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

125,910
DESIGN FOR A GAME BOARD
John J. Cruise and Elmer G. Anderson, Hatboro, Pa.
Application December 11, 1940, Serial No. 97,262
Term of patent 7 years



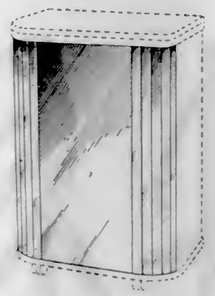
The ornamental design for a game board, as shown.

125,911
DESIGN FOR A HOLDER FOR CANS
Orley R. Frost, Port Huron, Mich.
Application July 22, 1940, Serial No. 93,838
Term of patent 3½ years



The ornamental design for a holder for cans, as shown.

125,912
DESIGN FOR A HAMPER OR SIMILAR ARTICLE
Harold Gleitsman, New York, N. Y.
Application September 26, 1940, Serial No. 95,403
Term of patent 14 years



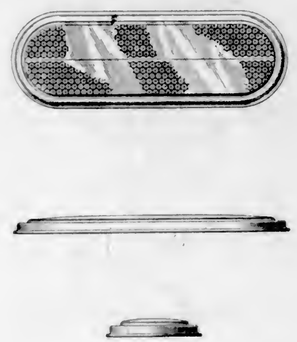
The ornamental design for a hamper or similar article, as shown and described.

125,913
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application September 4, 1940, Serial No. 94,798
Term of patent 7 years



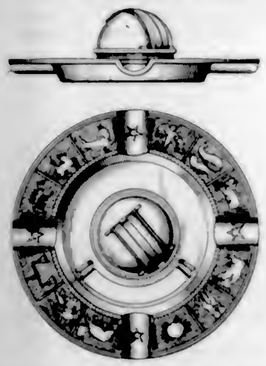
The ornamental design for an ash tray or similar article, substantially as shown.

125,914
DESIGN FOR A REFLECTOR UNIT OR THE LIKE
John C. Haggart, Jr., Westfield, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application January 16, 1941, Serial No. 98,130
Term of patent 14 years



The ornamental design for a reflector unit or the like, as shown.

125,915
DESIGN FOR AN ASH TRAY
Carl H. Heilbron, San Diego, Calif.
Application May 6, 1940, Serial No. 92,192
Term of patent 7 years



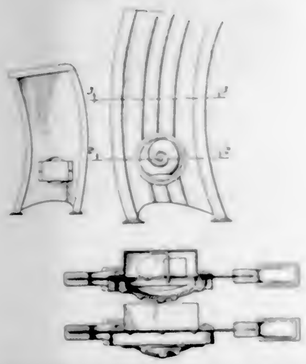
The ornamental design for an ash tray, as shown.

125,916
DESIGN FOR AN ANTISKID DEVICE
Ira Herbison, Plessis, N. Y.
Application June 1, 1940, Serial No. 92,742
Term of patent 7 years



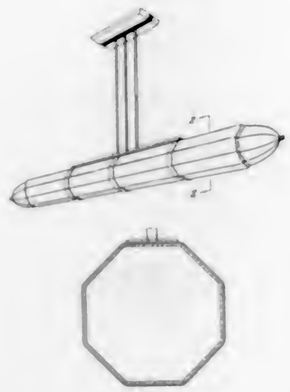
The ornamental design for an antiskid device, as shown.

125,917
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Leo Jiranek, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application July 8, 1940, Serial No. 93,498
Term of patent 7 years



The ornamental design for an end standard for theater chairs, substanially as shown.

125,918
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Charles F. Johnston, Beaver, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 4, 1940, Serial No. 95,638
Term of patent 14 years



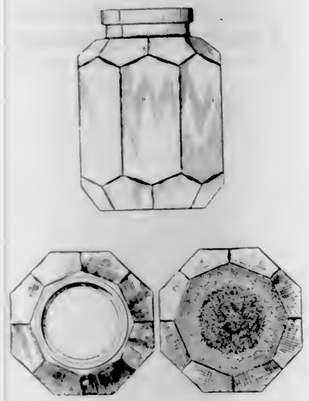
The ornamental design for a fluorescent lighting fixture, substantally as shown and described.

125,919
DESIGN FOR A DOLL
Theodora Ross Leighton, New York, N. Y.
Application December 4, 1940, Serial No. 97,043
Term of patent 3½ years



The ornamental design for a doll, as shown.

125,920
DESIGN FOR A BOTTLE
William J. Lundy, Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application January 10, 1941, Serial No. 97,955
Term of patent 7 years



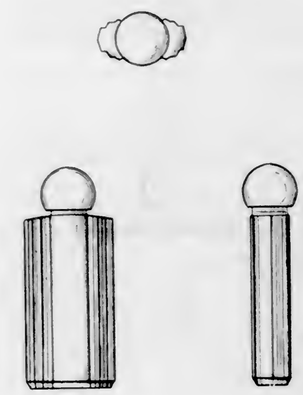
The ornamental design for a bottle, as shown and described.

125,921
DESIGN FOR A BOTTLE
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application June 21, 1940, Serial No. 93,172
Term of patent 7 years



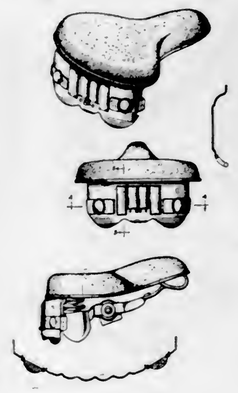
The ornamental design for a bottle, as shown.

125,922
DESIGN FOR A BOTTLE
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application June 21, 1940, Serial No. 93,173
Term of patent 3½ years



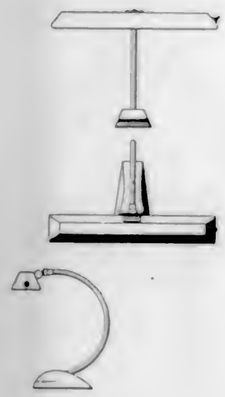
The ornamental design for a bottle, substantially as shown.

125,923
DESIGN FOR A COMBINATION BICYCLE SEAT AND SIGNAL DEVICE
Homer L. Mueller, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application October 10, 1940, Serial No. 95,743
Term of patent 14 years



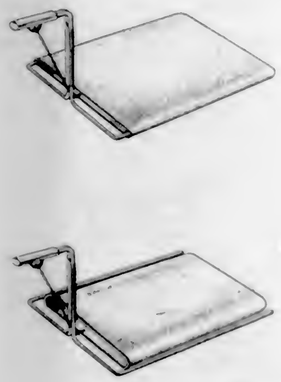
The ornamental design for a combination bicycle seat and signal device, as shown.

125,924
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Albert H. Murray, Buffalo, N. Y.
Application December 5, 1939, Serial No. 88,685
Term of patent 3½ years



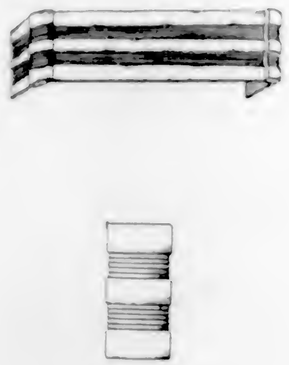
The ornamental design for a lamp or similar article, substantially as shown.

125,925
DESIGN FOR A VISCERA RETRACTOR
Hu C. Myers, Philippi, W. Va.
Application July 18, 1940, Serial No. 93,770
Term of patent 7 years



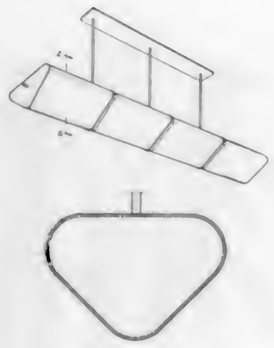
The ornamental design for a viscera retractor, as shown.

125,926
DESIGN FOR A DRAPERY CORNICE
Karl F. Olson, Brooklyn, N. Y.
Application November 8, 1940, Serial No. 96,439
Term of patent 3½ years



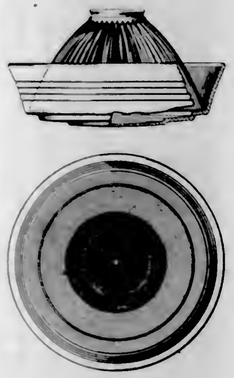
The ornamental design for a drapery cornice, as shown.

125,927
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Anton G. Parisson, Pittsburgh, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 4, 1940, Serial No. 95,642
Term of patent 14 years



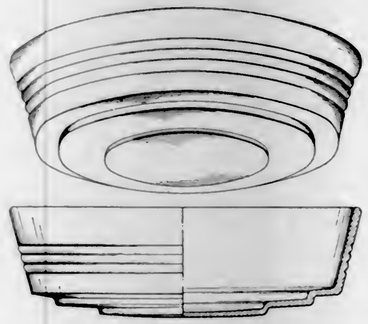
The ornamental design for a fluorescent lighting fixture, substantially as shown and described.

125,928
DESIGN FOR A COMBINED REFLECTOR AND PRISMATIC BOWL FOR LIGHTING FIXTURES
Thomas W. Rolph, Newark, Ohio, and Henry L. Logan, New Rochelle, N. Y., assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 18, 1938, Serial No. 79,425
Term of patent 14 years



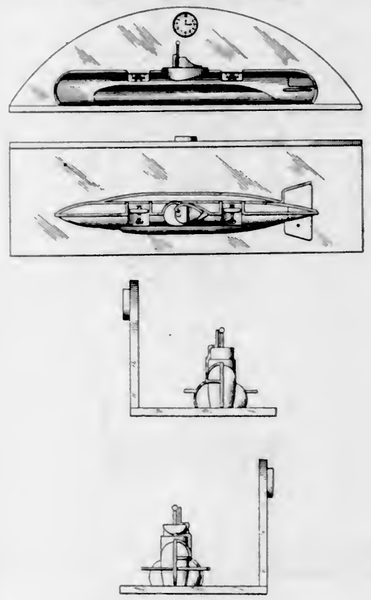
The ornamental design for a combined reflector and prismatic bowl for lighting fixtures, as shown and described.

125,929
DESIGN FOR A LIGHTING FIXTURE BOWL OR SIMILAR ARTICLE
Thomas W. Rolph, Newark, Ohio, and Henry L. Logan, New Rochelle, N. Y., assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 18, 1938, Serial No. 79,426
Term of patent 14 years



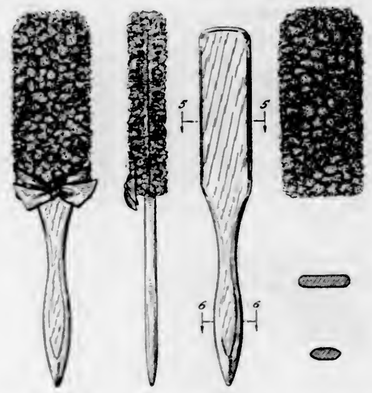
The ornamental design for a lighting fixture bowl or similar article, as shown.

125,930
DESIGN FOR A MANTELPIECE ORNAMENT OR SIMILAR ARTICLE
Stephen Tearl, Wilmington, Del.
Application July 3, 1940, Serial No. 93,415
Term of patent 3½ years



The ornamental design for a mantelpiece ornament or similar article, as shown.

125,931
DESIGN FOR A COMBINED COSMETIC APPLICATOR AND FACE PATTER
Marion Schermerhorn Fort, Philadelphia, Pa.
Application May 24, 1940, Serial No. 92,554
Term of patent 14 years



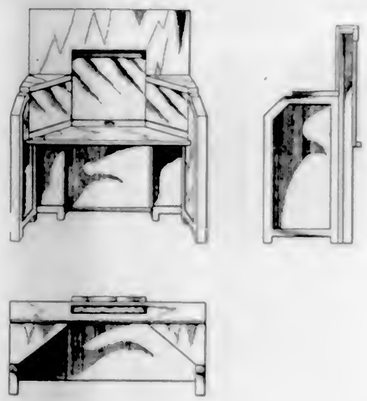
The ornamental design for a combined cosmetic applicator and face patter, substantially as shown and described.

125,932
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application January 21, 1941, Serial No. 98,228
Term of patent 7 years



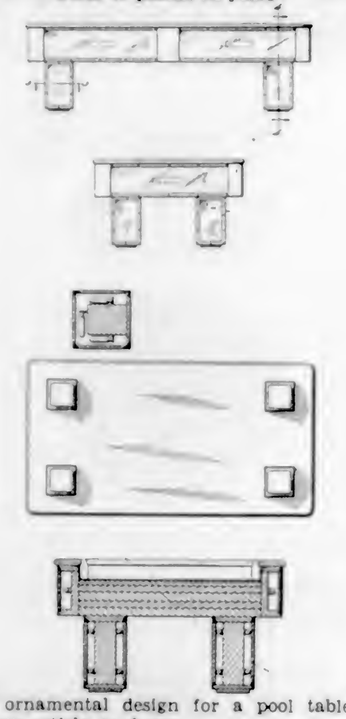
The ornamental design for a bowl or similar article, substantially as shown.

125,933
DESIGN FOR A BOOTH
Vernon Isbell, Fort Worth, Tex.
Application December 30, 1939, Serial No. 89,233
Term of patent 14 years



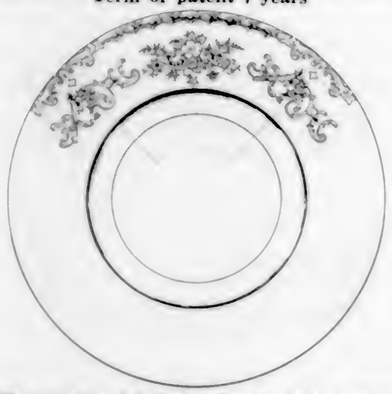
The ornamental design for a booth, substantially as shown.

125,934
DESIGN FOR A POOL TABLE OR ANALOGOUS ARTICLE
Anthony Paul Jalwan, Clarksburg, W. Va.
Application December 23, 1940, Serial No. 97,576
Term of patent 14 years



The ornamental design for a pool table or analogous article, as shown.

125,935
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application January 27, 1941, Serial No. 98,397
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

125,936
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application January 27, 1941, Serial No. 98,398
Term of patent 7 years



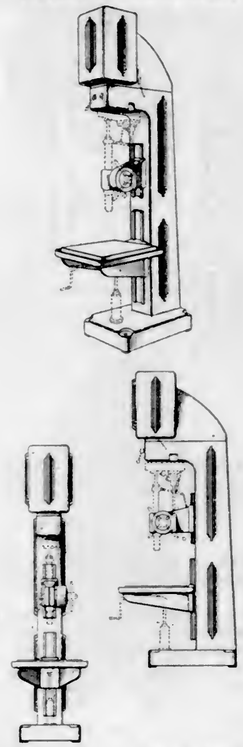
The ornamental design for a plate or similar article, as shown and described.

125,937
DESIGN FOR A RECEPTACLE FOR CIGARETTES OR OTHER ARTICLES
Alfred F. Reilly, North Attleboro, Mass.
Application December 13, 1940, Serial No. 97,284
Term of patent 3½ years



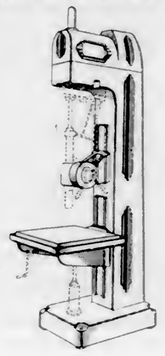
The ornamental design for a receptacle for cigarettes or other articles, as shown and described.

125,938
DESIGN FOR A DRILL PRESS OR THE LIKE
Russell H. Rideout, Buffalo, N. Y., assignor to Buffalo Forge Company, Buffalo, N. Y.
Application October 12, 1940, Serial No. 95,804
Term of patent 14 years

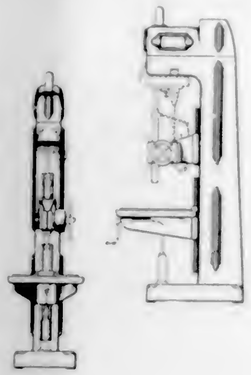


The ornamental design for a drill press or the like, substantially as shown and described.

125,939
DESIGN FOR A DRILL PRESS OR THE LIKE
Russell H. Rideout, Buffalo, N. Y., assignor to Buffalo Forge Company, Buffalo, N. Y.
Application October 12, 1940, Serial No. 95,805
Term of patent 14 years



125,939—Continued



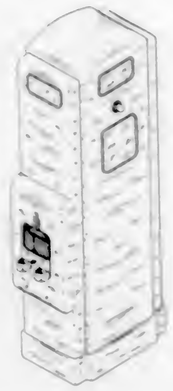
The ornamental design for a drill press or the like, substantially as shown and described.

125,940
DESIGN FOR A COMBINATION GASOLINE PUMP AND WINDSHIELD SERVICE CABINET
Lawrence V. Shepherd, Van Nuys, Calif.
Application December 3, 1940, Serial No. 97,014
Term of patent 14 years



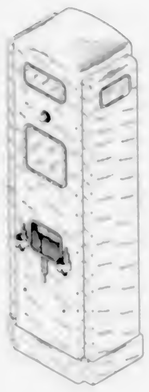
The ornamental design for a combination gasoline pump and windshield service cabinet, substantially as shown and described.

125,941
DESIGN FOR A COMBINATION GASOLINE PUMP AND WINDSHIELD SERVICE CABINET
Lawrence V. Shepherd, Van Nuys, Calif.
Application December 3, 1940, Serial No. 97,015
Term of patent 14 years



The ornamental design for a combination gasoline pump and windshield service cabinet, substantially as shown and described.

125,942
DESIGN FOR A COMBINATION WINDSHIELD SERVICE CABINET AND GASOLINE PUMP OR THE LIKE
Lawrence V. Shepherd, Van Nuys, Calif.
Application December 3, 1940, Serial No. 97,016
Term of patent 14 years



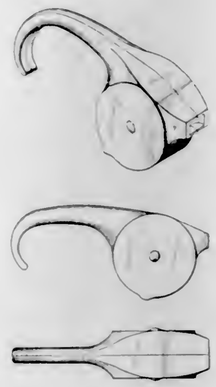
The ornamental design for a combination windshield service cabinet and gasoline pump or the like, substantially as shown and described.

125,943
DESIGN FOR A COMBINATION WINDSHIELD SERVICE CABINET AND GASOLINE PUMP OR THE LIKE
Lawrence V. Shepherd, Van Nuys, Calif.
Application December 3, 1940, Serial No. 97,017
Term of patent 14 years



The ornamental design for a combination windshield service cabinet and gasoline pump or the like, substantially as shown and described.

125,944
DESIGN FOR A LEASH HANDLE
Samuel F. Stickell, Forest Hills, N. Y.
Application November 14, 1940, Serial No. 96,574
Term of patent 14 years



The ornamental design for a leash handle, substantially as shown.

125,945
DESIGN FOR A SLEEPING DOG TOY
Charlotte Steiner, New York, N. Y.
Application June 7, 1940, Serial No. 92,869
Term of patent 3½ years



The ornamental design for a sleeping dog toy, as shown and described.

125,946
DESIGN FOR A SLEEPING DOLL
Charlotte Steiner, New York, N. Y.
Application June 7, 1940, Serial No. 92,870
Term of patent 3½ years



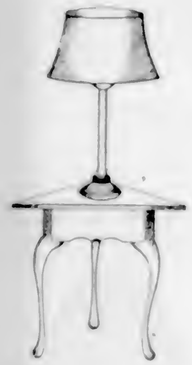
The ornamental design for a sleeping doll, as shown and described.

125,947
DESIGN FOR A SLEEPING BABY DOLL
Charlotte Steiner, New York, N. Y.
Application June 7, 1940, Serial No. 92,871
Term of patent 3½ years



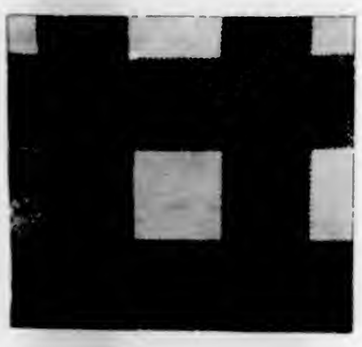
The ornamental design for a sleeping baby doll, as shown and described.

125,948
DESIGN FOR A COMBINED LAMP, TABLE, AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application June 10, 1940, Serial No. 92,907
Term of patent 14 years



The ornamental design for a combined lamp, table, and radio receiving set, substantially as shown and described.

125,949
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application January 3, 1941, Serial No. 97,798
Term of patent 7 years



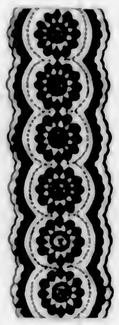
The ornamental design for a textile fabric substantially as shown.

125,950
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y., assignor to Stehli & Co. Inc., New York, N. Y., a corporation of New York
Application January 30, 1941, Serial No. 98,531
Term of patent 3½ years



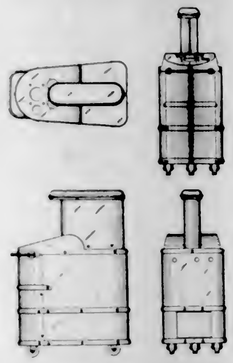
The ornamental design for a textile fabric, substantially as shown.

125,951
DESIGN FOR AN EMBROIDERED LACE TRIMMING OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J.
Application February 1, 1941, Serial No. 98,661
Term of patent 3½ years



The ornamental design for an embroidered lace trimming or similar article, substantially as shown.

125,952
DESIGN FOR A COMBINATION BATTERY ANALYZER AND CHARGER CASING
Lee Hunter, Jr., University City, Mo.
Application August 23, 1940, Serial No. 94,589
Term of patent 7 years



The ornamental design for a combination battery analyzer and charger casing, as shown and described.

125,953
DESIGN FOR A FUR JACKET
Omar Kiam, New York, N. Y.
Application February 10, 1941, Serial No. 98,896
Term of patent 3½ years



The ornamental design for a fur jacket, as shown.

125,954
DESIGN FOR A FUR JACKET
Omar Kiam, New York, N. Y.
Application February 10, 1941, Serial No. 98,897
Term of patent 3½ years



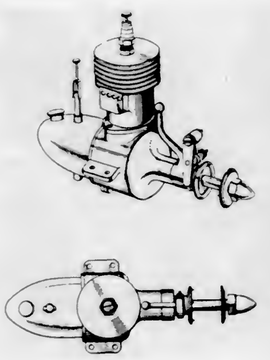
The ornamental design for a fur jacket, as shown.

125,955
DESIGN FOR A TEXTILE FABRIC
Mark Lebworth, New York, N. Y.
Application February 1, 1941, Serial No. 98,662
Term of patent 3½ years



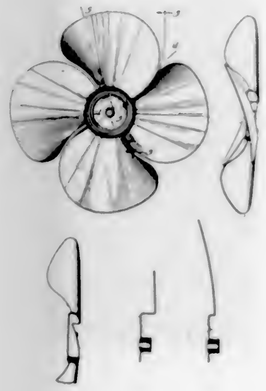
The ornamental design for a textile fabric, substantially as shown.

125,956
DESIGN FOR A MINIATURE MOTOR
Ashton Le Roy May, Detroit, Mich., assignor of one-half to Walter D. Chanter, Detroit, Mich.
Application November 24, 1939, Serial No. 88,461
Term of patent 7 years



The ornamental design for a miniature motor, substantially as shown.

125,957
DESIGN FOR A FAN PROPELLER
George L. Moeller, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application June 10, 1940, Serial No. 92,917
Term of patent 7 years



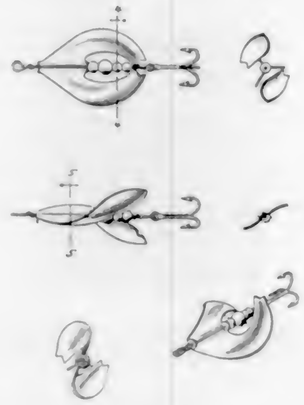
The ornamental design for a fan propeller, substantially as shown and described.

125,958
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 13, 1941, Serial No. 98,024
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,959
DESIGN FOR A FISH LURE OR SIMILAR ARTICLE
George G. Ross, deceased, late of Riverton, Wyo., by Clara M. Nelson, administratrix, Riverton, Wyo.
Application July 25, 1940, Serial No. 93,929
Term of patent 14 years



The ornamental design for a fish lure or similar article, as shown.

125,960
DESIGN FOR A KNITTED FABRIC OR SIMILAR ARTICLE
Herman B. Sheplan, Baltimore, Md., assignor to The Comfy Manufacturing Co., Baltimore, Md., a corporation of Maryland
Application January 16, 1941, Serial No. 98,125
Term of patent 7 years



The ornamental design for a knitted fabric or similar article, substantially as shown.

125,961
DESIGN FOR A FUR JACKET
Monroe Sherwin, New York, N. Y.
Application February 10, 1941, Serial No. 98,899
Term of patent 3½ years



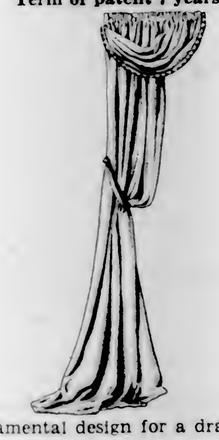
The ornamental design for a fur jacket, as shown.

125,962
DESIGN FOR A TEXTILE FABRIC
Albert H. Vandam, New York, N. Y.
Application December 30, 1940, Serial No. 97,714
Term of patent 7 years



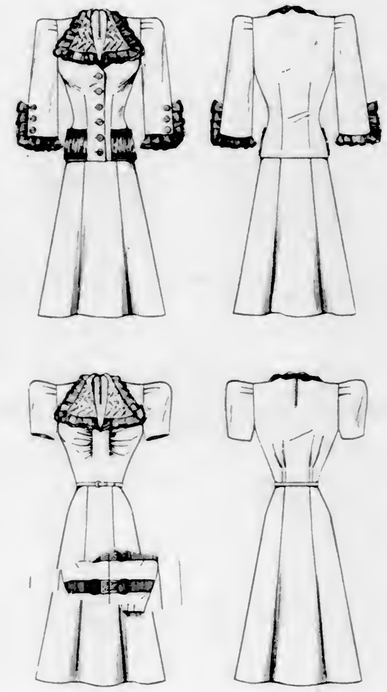
The ornamental design for a textile fabric, substantially as shown.

125,963
DESIGN FOR A DRAPE
Leon Cohen, Philadelphia, Pa.
Application September 18, 1940, Serial No. 95,180
Term of patent 7 years



The ornamental design for a drape, as shown.

125,964
DESIGN FOR A DRESS ENSEMBLE
Faye Glass, New York, N. Y.
Application January 21, 1941, Serial No. 98,253
Term of patent 3½ years

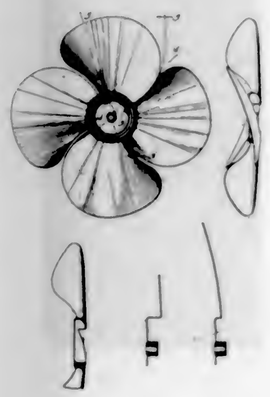


The ornamental design for a dress ensemble, substantially as shown.

125,965
DESIGN FOR A DRESS ENSEMBLE
Faye Glass, New York, N. Y.
Application January 22, 1941, Serial No. 98,283
Term of patent 3½ years



125,957
DESIGN FOR A FAN PROPELLER
George L. Moeller, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application June 10, 1940, Serial No. 92,917
Term of patent 7 years



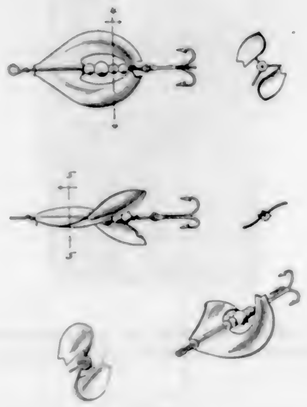
The ornamental design for a fan propeller, substantially as shown and described.

125,958
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 13, 1941, Serial No. 98,024
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

125,959
DESIGN FOR A FISH LURE OR SIMILAR ARTICLE
George G. Ross, deceased, late of Riverton, Wyo., by Clara M. Nelson, administratrix, Riverton, Wyo.
Application July 25, 1940, Serial No. 93,929
Term of patent 14 years



The ornamental design for a fish lure or similar article, as shown.

125,960
DESIGN FOR A KNITTED FABRIC OR SIMILAR ARTICLE
Herman B. Sheplan, Baltimore, Md., assignor to The Comfy Manufacturing Co., Baltimore, Md., a corporation of Maryland
Application January 16, 1941, Serial No. 98,125
Term of patent 7 years



The ornamental design for a knitted fabric or similar article, substantially as shown.

125,961
DESIGN FOR A FUR JACKET
Monroe Sherwin, New York, N. Y.
Application February 10, 1941, Serial No. 98,899
Term of patent 3½ years



The ornamental design for a fur jacket, as shown.

125,962
DESIGN FOR A TEXTILE FABRIC
Albert H. Vandam, New York, N. Y.
Application December 30, 1940, Serial No. 97,714
Term of patent 7 years



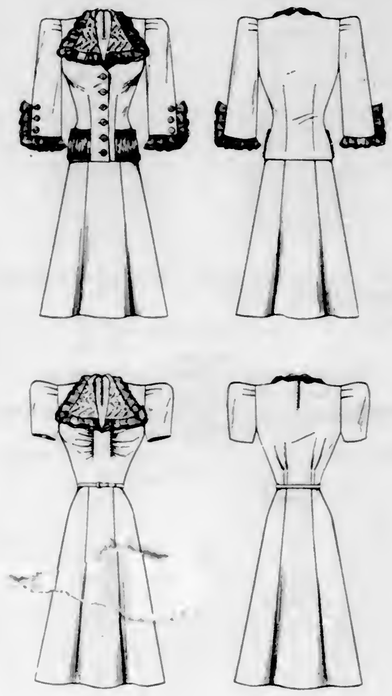
The ornamental design for a textile fabric, substantially as shown.

125,963
DESIGN FOR A DRAPE
Leon Cohen, Philadelphia, Pa.
Application September 18, 1940, Serial No. 95,180
Term of patent 7 years



The ornamental design for a drape, as shown.

125,964
DESIGN FOR A DRESS ENSEMBLE
Faye Glass, New York, N. Y.
Application January 21, 1941, Serial No. 98,253
Term of patent 3½ years

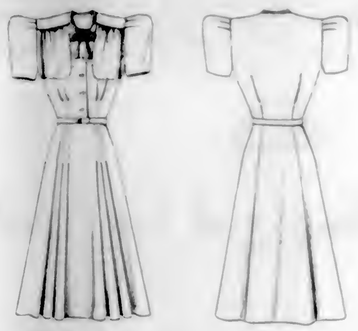


The ornamental design for a dress ensemble, substantially as shown.

125,965
DESIGN FOR A DRESS ENSEMBLE
Faye Glass, New York, N. Y.
Application January 22, 1941, Serial No. 98,283
Term of patent 3½ years

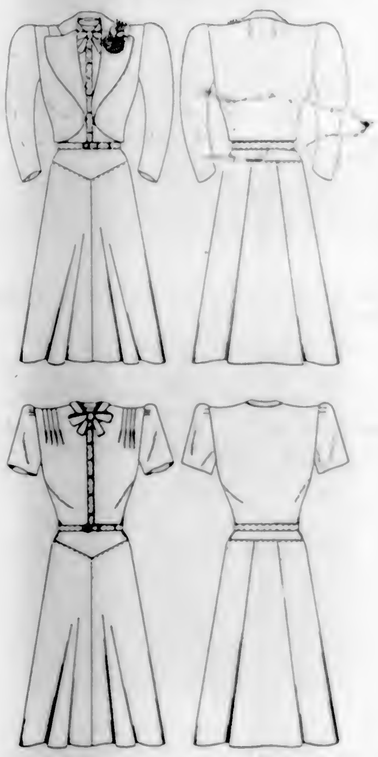


125,965—Continued



The ornamental design for a dress ensemble, substantially as shown.

125,966
DESIGN FOR A DRESS ENSEMBLE
Charles Lang, New York, N. Y.
Application January 15, 1941, Serial No. 98,051
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,967
DESIGN FOR A DRESS
Charles Lang, New York, N. Y.
Application January 15, 1941, Serial No. 98,052
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,968
DESIGN FOR A DRESS
Charles Lang, New York, N. Y.
Application January 15, 1941, Serial No. 98,053
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,969
DESIGN FOR A DRESS
Charles Lang, New York, N. Y.
Application January 15, 1941, Serial No. 98,054
Term of patent 3½ years



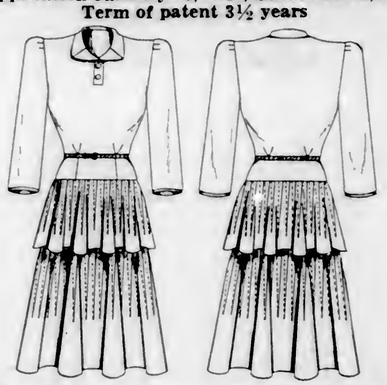
The ornamental design for a dress, substantially as shown.

125,970
DESIGN FOR A DRESS
Charles Lang, New York, N. Y.
Application January 15, 1941, Serial No. 98,055
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,971
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application January 15, 1941, Serial No. 98,049
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,972
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application January 15, 1941, Serial No. 98,050
Term of patent 3½ years



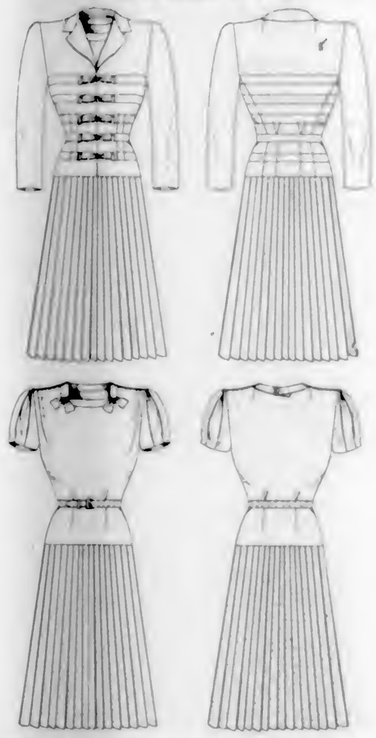
The ornamental design for a dress ensemble, substantially as shown.

125,973
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application January 21, 1941, Serial No. 98,199
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

125,974
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application January 21, 1941, Serial No. 98,202
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

125,975
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 21, 1941, Serial No. 98,243
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

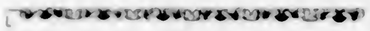
125,976
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,934
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,977
DESIGN FOR A BRACELET
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,936
Term of patent 3½ years





The ornamental design for a bracelet, as shown.

125,978
DESIGN FOR A NECKLACE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,937
Term of patent 3½ years



The ornamental design for a necklace, as shown.

125,979
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,938
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,980
DESIGN FOR A PIN CLIP
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,939
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,981
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,940
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,982
DESIGN FOR A PIN CLIP
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,941
Term of patent 3½ years



The ornamental design for a pin, clip, as shown.

125,983
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,942
Term of patent 3½ years



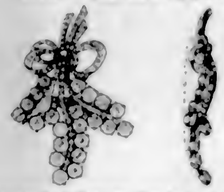
The ornamental design for a brooch or similar article, as shown.

125,984
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,943
Term of patent 3½ years



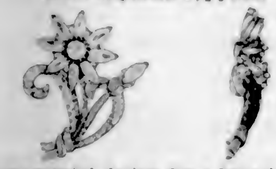
The ornamental design for a brooch or similar article, as shown.

125,985
DESIGN FOR A PIN CLIP
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,944
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

125,986
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,945
Term of patent 3½ years



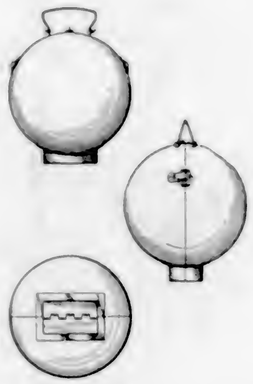
The ornamental design for a brooch or similar article, as shown.

125,987
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application February 11, 1941, Serial No. 98,946
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

125,988
DESIGN FOR A BOWLING BALL CARRIER
Albert G. Anderson, Albert Lea, Minn.
Application October 10, 1940, Serial No. 95,744
Term of patent 7 years



The ornamental design for a bowling ball carrier, substantially as shown.

125,989
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application December 21, 1940, Serial No. 97,529
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown and described.

125,990
DESIGN FOR AN ENSEMBLE DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application December 21, 1940, Serial No. 97,530
Term of patent 3½ years



The ornamental design for an ensemble dress or similar article, as shown and described.

125,991
DESIGN FOR A DRESS
Pauline E. Fields, New York, N. Y.
Application January 15, 1941, Serial No. 98,068
Term of patent 3½ years



The ornamental design for a dress, as shown.

125,992
DESIGN FOR AN EMBROIDERED FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application January 23, 1941, Serial No. 98,317
Term of patent 3½ years



The ornamental design for an embroidered fabric or similar article, as shown and described.

125,993
DESIGN FOR AN EMBROIDERED FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application January 23, 1941, Serial No. 98,318
Term of patent 3½ years



The ornamental design for an embroidered fabric or similar article, as shown and described.

125,994
DESIGN FOR AN EMBROIDERED FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application January 23, 1941, Serial No. 98,319
Term of patent 3½ years



The ornamental design for an embroidered fabric or similar article, as shown and described.

125,995
DESIGN FOR AN EMBROIDERED FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application January 23, 1941, Serial No. 98,320
Term of patent 3½ years



The ornamental design for an embroidered fabric or similar article, as shown.

125,996
DESIGN FOR AN EMBROIDERED FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application January 23, 1941, Serial No. 98,321
Term of patent 3½ years



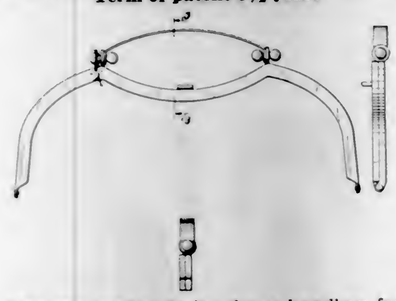
The ornamental design for an embroidered fabric or similar article, as shown and described.

125,997
DESIGN FOR A DRESS
Evelyn Gold, New York, N. Y.
Application January 9, 1941, Serial No. 97,937
Term of patent 3½ years



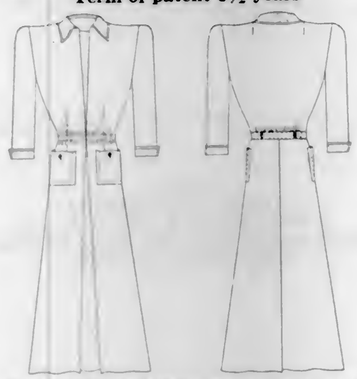
The ornamental design for a dress, as shown.

125,998
DESIGN FOR A HANDBAG FRAME
Samuel R. Goldsmith, New York, N. Y.
Application February 11, 1941, Serial No. 98,924
Term of patent 3½ years



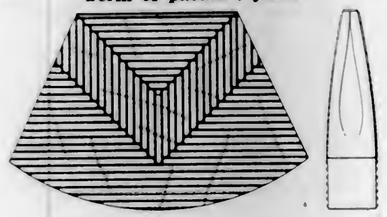
The ornamental design for a handbag frame, substantially as shown.

125,999
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application January 23, 1941, Serial No. 98,327
Term of patent 3½ years



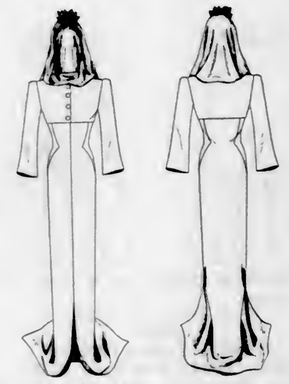
The ornamental design for a dress, as shown.

126,000
DESIGN FOR A HANDBAG
Irving Kaplan, Bronx, N. Y.
Application January 27, 1941, Serial No. 98,389
Term of patent 7 years



The ornamental design for a handbag, substantially as shown and described.

126,001
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application January 23, 1941, Serial No. 98,291
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

126,002
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application January 30, 1941, Serial No. 98,521
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,003
DESIGN FOR A DRESS
Joseph Elkins, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 98,212
Term of patent 3½ years



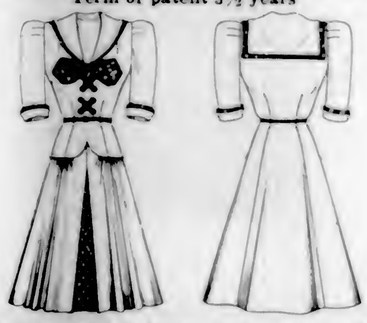
The ornamental design for a dress, substantially as shown.

126,004
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application January 21, 1941, Serial No. 98,251
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,005
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application January 21, 1941, Serial No. 98,252
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,006
DESIGN FOR A DRESS ENSEMBLE
Eleanor Hill, New York, N. Y.
Application January 23, 1941, Serial No. 98,324
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,007
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application January 23, 1941, Serial No. 98,325
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,008
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application January 27, 1941, Serial No. 98,453
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,009
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application January 15, 1941, Serial No. 98,048
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,010
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application January 21, 1941, Serial No. 98,197
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,011
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application January 21, 1941, Serial No. 98,198
Term of patent 3½ years



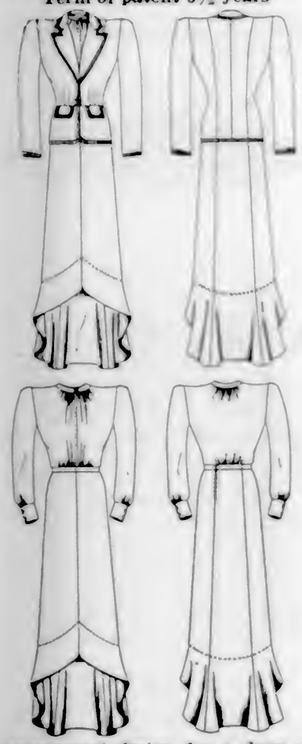
The ornamental design for a dress, substantially as shown.

126,012
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application January 21, 1941, Serial No. 98,201
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,013
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application January 22, 1941, Serial No. 98,279
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,014
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 21, 1941, Serial No. 98,240
Term of patent 3½ years



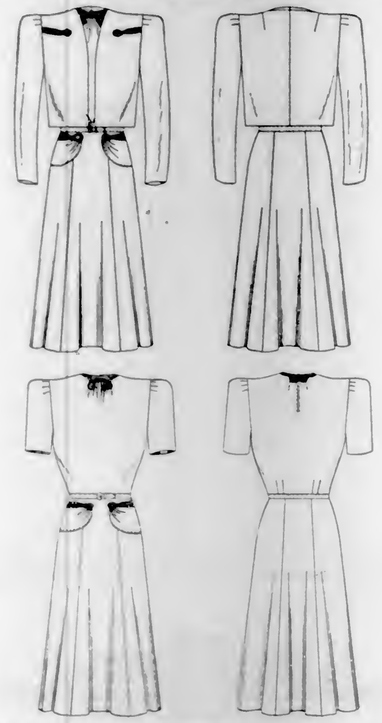
The ornamental design for a dress ensemble, as shown.

126,015
DESIGN FOR A DRESS
Esther Pier, New York, N. Y.
Application January 21, 1941, Serial No. 98,209
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,016
DESIGN FOR A DRESS ENSEMBLE
Esther Pier, New York, N. Y.
Application January 21, 1941, Serial No. 98,210
Term of patent 3½ years



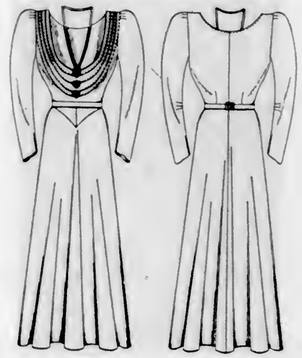
The ornamental design for a dress ensemble, substantially as shown.

126,017
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 98,218
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,018
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application January 30, 1941, Serial No. 98,522
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,019
DESIGN FOR A KNITTED FABRIC
David Sobel, New York, N. Y.
Application February 18, 1941, Serial No. 99,090
Term of patent 3½ years



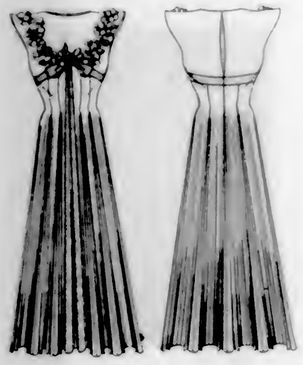
The ornamental design for a knitted fabric, substantially as shown.

126,020
DESIGN FOR A KNITTED FABRIC
David Sobel, New York, N. Y.
Application February 18, 1941, Serial No. 99,091
Term of patent 3½ years



The ornamental design for a knitted fabric, substantially as shown.

126,021
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application January 30, 1941, Serial No. 98,520
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,022
DESIGN FOR A COAT
Bonnie Cashin, New York, N. Y.
Application December 20, 1940, Serial No. 97,496
Term of patent 3½ years



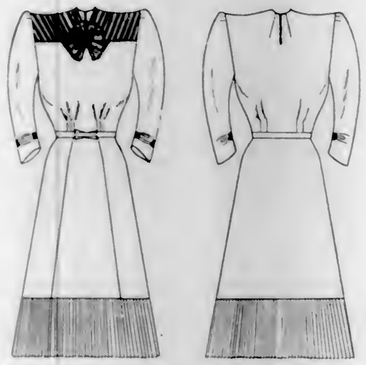
The ornamental design for a coat, substantially as shown.

126,023
DESIGN FOR A COAT
Bonnie Cashin, New York, N. Y.
Application December 9, 1940, Serial No. 97,209
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,024
DESIGN FOR A DRESS
Mary Geller, Chicago, Ill.
Application January 16, 1941, Serial No. 98,119
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,025
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application January 23, 1941, Serial No. 98,326
Term of patent 3½ years



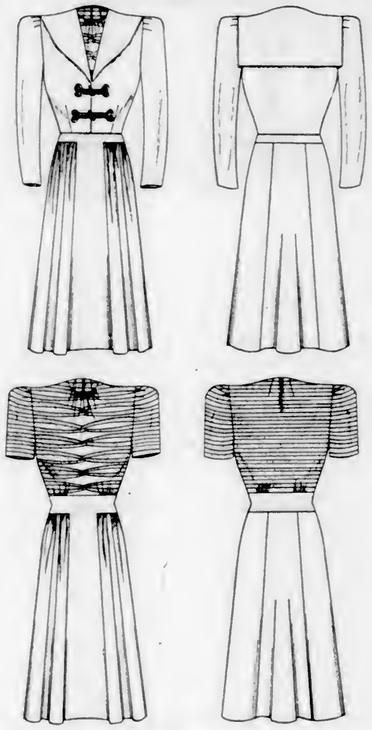
The ornamental design for a dress, as shown.

126,026
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application January 23, 1941, Serial No. 98,328
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,027
DESIGN FOR A DRESS ENSEMBLE
Elvira Termini Lester, New York, N. Y.
Application January 21, 1941, Serial No. 98,208
Term of patent 3½ years



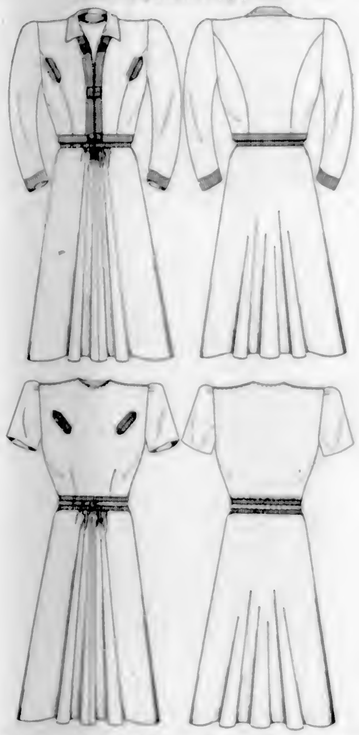
The ornamental design for a dress ensemble, substantially as shown.

126,028
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application January 21, 1941, Serial No. 98,200
Term of patent 3½ years



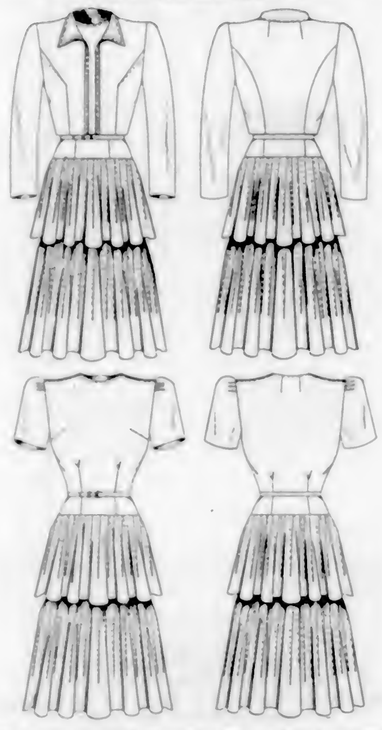
The ornamental design for a dress, substantially as shown.

126,029
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application January 21, 1941, Serial No. 98,203
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,030
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application January 21, 1941, Serial No. 98,204
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,031
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 21, 1941, Serial No. 98,241
Term of patent 3½ years



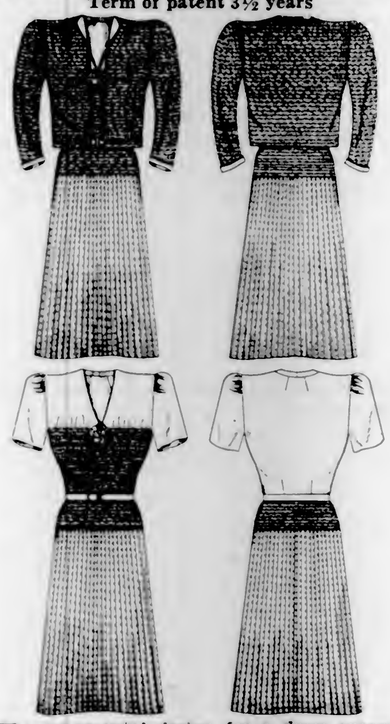
The ornamental design for a dress ensemble, substantially as shown.

126,032
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 21, 1941, Serial No. 98,242
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,033
DESIGN FOR A DRESS ENSEMBLE
Julia Richards, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 98,213
Term of patent 3½ years



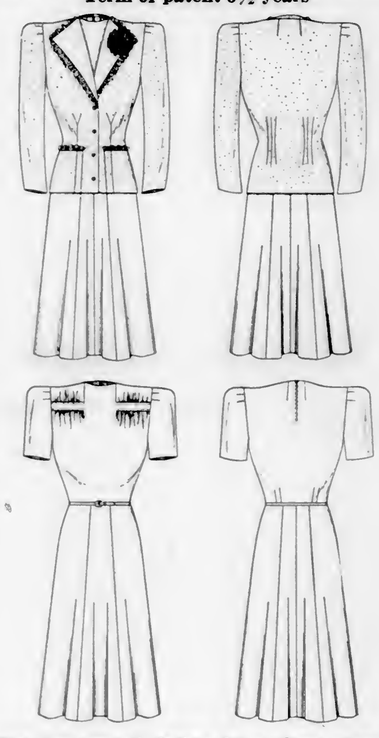
The ornamental design for a dress ensemble, substantially as shown.

126,034
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 98,215
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,035
DESIGN FOR A DRESS ENSEMBLE
Julia Richards, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 98,216
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,036
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 98,219
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,037
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 98,222
Term of patent 3½ years



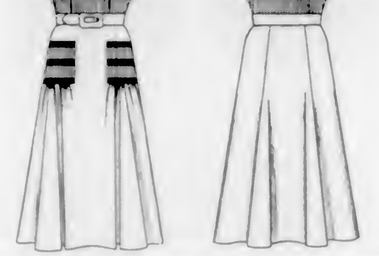
The ornamental design for a dress, substantially as shown.

126,038
DESIGN FOR A DRESS
Evelyn G. Slote, New York, N. Y.
Application January 21, 1941, Serial No. 98,206
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,039
DESIGN FOR A DRESS
David Cox, New York, N. Y.
Application January 21, 1941, Serial No. 98,207
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

PATENTS NOS. 2,235,810 TO 2,236,495

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Trade-Marks	295—No. 385,911 to No.	386,205, inclusive.
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Patents	686—No. 2,235,810 to No.	2,236,495, inclusive.
Designs	142—No. 126,040 to No.	126,181, inclusive.
Total	1,150	

International Convention—Adhesion

Morocco

This Office has been advised by the Secretary of State * * * of the adherence of Morocco to the Convention for the Protection of Industrial Property signed at Paris on March 20, 1883 as revised at London on June 2, 1934; to the Agreements of Madrid, of April 14, 1891, concerning the Prevention of False Indications of Origin on Goods and the International Registration of Commercial and Industrial Trade Marks; and to the Agreement of The Hague, of November 6, 1925, concerning the International Deposit of Industrial Designs or Models.

This adherence took effect as of January 21, 1941.

CONWAY P. COE,
Commissioner of Patents.

Notice

Patent Applications in Foreign Countries

Attention is called to the various Presidential Proclamations and Executive Orders issued under section 6 of the Act of Congress approved July 2, 1940. All inquiries concerning licenses to file applications in foreign countries under the Act should be directed to the Administrator of Export Control.

CONWAY P. COE,
Commissioner.

CONTROL OF THE EXPORT OF CERTAIN ARTICLES AND MATERIALS

BY THE PRESIDENT OF THE UNITED STATES OF AMERICA

A PROCLAMATION

WHEREAS section 6 of the act of Congress entitled "AN ACT To expedite the strengthening of the national defense", approved July 2, 1940, provides as follows:

SEC. 6. Whenever the President determines that it is necessary in the interest of national defense to prohibit or curtail the exportation of any military equipment or munitions, or component parts thereof, or machinery, tools, or material, or supplies necessary for the manufacture, servicing or operation thereof, he may by proclamation prohibit or curtail such exportation, except under such rules and regulations as he shall prescribe. Any such proclamation shall describe the articles or materials included in the prohibition or curtailment contained therein. In case of the violation of any provision of any proclamation, or of any rule or regulation, issued hereunder, such violator or violators, upon conviction, shall be punished by a fine of not more than $10,000, or by imprisonment for not more than two years, or by both such fine and imprisonment. The authority granted in this section shall terminate June 30, 1942, unless the Congress shall otherwise provide.

NOW, THEREFORE, I, FRANKLIN D. ROOSEVELT, President of the United States of America, acting under and by virtue of the authority vested in me by the aforesaid act of Congress, do hereby proclaim that upon the recommendation of the Administrator of Export Control I have determined that it is necessary in the interest of the national defense that on and after April 15, 1941, the following-described articles and materials shall not be exported from the United States except when authorized in each case by a license as hereinafter provided:

Any model, design, photograph, photographic negative, document, or other article or material, containing a plan, specification, or descriptive or technical information of any kind (other than that appearing generally in a form available to the public) which can be used or adapted for use in connection with any process, synthesis, or operation in the production, manufacture, or reconstruction of any of the articles or materials the exportation of which is prohibited or curtailed in accordance with the provisions of section 6 of the act of Congress approved July 2, 1940, or of any basic or intermediary constituent of any such articles or materials.

AND I do hereby empower the administrator of Export Control to issue licenses authorizing the exportation of any of the above-named articles and materials in accordance with rules and regulations prescribed by the President.

Proclamation No. 2423,[1] of September 12, 1940, is hereby superseded except so far as and to the extent that it relates to (1) equipment (excluding minor component parts) which can be used, or adapted to use, for the production of aviation motor fuel (as is defined in the regulations issued pursuant to Proclamation No. 2417,[2] of July 26, 1940, as may from time to time be amended) from petroleum, petroleum products, hydrocarbon, or hydrocarbon mixtures, by processes involving chemical change; and (2) equipment (excluding minor component parts) which can be used, or adapted to use, for the

[1] 5 F.R. 3651.
[2] 5 F.R. 2667, 2682.

(Continued on p. 816)

Condition of Applications Under Examination at Close of Business March 8, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,631. Trade-Mark Division, 1,369. Oldest new case, May 28, 1940; oldest amended, May 28, 1940.)

Room No.	Divisions, Examiners, and Subjects of Inventions (The dates given are for 1940 except where † indicates 1941)	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 2	Oct. 1	447
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Aug. 4	July 31	612
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 10	†Jan. 9	310
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 11	Nov. 1	472
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 4	Nov. 1	388
4808 C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 2	July 24	999
5725	7. JARBOE, C. O., Optics; Photography	Sept. 9	Sept. 5	1,402
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Aug. 21	Aug. 29	864
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 2	Oct. 2	600
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 15	Aug. 12	248
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 15	Nov. 14	450
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 19	Sept. 17	484
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 20	Aug. 19	570
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 12	Nov. 12	566
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 17	Aug. 30	1,106
5716	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 13	Nov. 14	555
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 6	Nov. 1	529
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 30	Oct. 10	469
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 14	Oct. 28	492
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 16	Sept. 13	256
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 19	Oct. 21	360
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 28	May 28	1,511
7624	23. BUTTNER, W. J., Registers (part)	July 16	July 18	228
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 30	Aug. 1	944
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 28	Oct. 9	535
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Oct. 17	Oct. 22	474
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 3	Sept. 12	602
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 3	Aug. 12	305
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working, Cloth, Leather, and Rubber Receptacles; Bazzaar, Package and Article Carriers; Tables.	Sept. 20	Oct. 1	710
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 9	Nov. 15	611
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 25	Sept. 25	1,304
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 7	Nov. 28	801
6066	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Ronds	Nov. 4	Nov. 1	784
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Aug. 3	Aug. 1	340
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Dispensing; Portable Receptacles	Aug. 30	Oct. 9	803
7802	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 2	Aug. 1	691
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 14	Aug. 9	604
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	July 15	July 18	708
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 1	Nov. 1	486
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Aug. 8	Aug. 8	1,642
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 8	Oct. 8	466
5882	42. CUTTING, H. O., Electric Signaling	Oct. 1	Oct. 4	421
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 27	Sept. 27	530
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 12	Aug. 9	683
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Dec. 2	Nov. 30	346
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 15	Oct. 15	616
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	Oct. 23	Sept. 12	413
5731	48. ROEFKE, O. B., Electricity, General Applications; Igniters	Oct. 12	Oct. 16	563
7723	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 9	Sept. 9	830
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 8	Sept. 9	1,233
5628	51. BACKUS, C. D., Radiant Energy (part)	†Jan. 4	†Jan. 6	355
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 16	Sept. 16	541
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders, Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 13	Aug. 17	819
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	347
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 30	Oct. 12	322
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Aug. 1	Aug. 1	1,259
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 28	Sept. 20	208
5606	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 29	Sept. 23	513
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Sept. 4	Sept. 9	941
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 25	Dec. 11	374
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 22	Oct. 12	422
5621	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 30	Oct. 19	222
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 30	July 26	1,104
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Nov. 8	Nov. 8	732
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Nov. 26	Nov. 27	305
099 B	Trade-Marks: F. A. RICHMOND	†Jan. 14	†Feb. 6	1,174
2805	Designs: H. H. KALUPY	†Jan. 21	†Feb. 11	1,309

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

Bacardi Corporation of America
v.
Manuel I. Domenech, Treasurer, and Destileria Serralles, Inc.

No. 21. Decided December 9, 1940

1. Trade-Marks—Treaties.

The Pan American Trade-Mark Treaty, on ratification became part of the law and no special legislation in the United States was necessary to make it effective. It could not be overridden by the Puerto Rican legislature and should be liberally construed to give effect to the purpose which animates it.

2. Same—Same.

The purpose of the Pan American Trade-Mark Treaty is to protect foreign trade-marks which fall within the treaty's purview and a mark if duly registered or legally protected in one of the contracting states is to be admitted to registration and is to be legally protected in the other contracting states, and the condition of that protection in the other states, which is compliance with formal provisions of the domestic law, indicates that formalities or procedural requisites are envisaged and that when they have been met, it is the intent of the treaty to confer a substantive right to the protection of a foreign mark. When a foreign mark is entitled by virtue of the treaty to registration in a ratifying state, and is duly registered there, the substantive right to its protection in that state attaches.

3. Same—Same.

Under the Pan American Trade-Mark Treaty, a ratifying state, on due registration of a foreign mark in accordance with the treaty, is bound to protect the owner in the use of that mark and cannot escape such obligation of the treaty and deny protection by the simple device of embracing its own nationals in that denial.

4. Same—Same.

The right of a Cuban corporation which owned trade-marks for use on rum to make separate transfer to a Pennsylvania corporation of the right to use and exploit the trade-marks in Puerto Rico was recognized by the Pan American Trade-Mark Treaty.

5. Same—Same.

The United States in exercising its treaty-making power dominates local policy.

6. Same—Same.

Puerto Rican legislation prohibiting use of trade-marks on distilled spirits manufactured in Puerto Rico if the marks had previously been used anywhere outside Puerto Rico unless they had been used on spirits manufactured in Puerto Rico on or before February 1, 1936, or had been used exclusively in continental United States prior to that date, is invalid on ground of repugnancy to the Pan American Trade-Mark Treaty, and enforcement of such legislation was properly enjoined at suit of Pennsylvania corporation which was entitled to manufacture and sell rum in Puerto Rico under trade-marks of a Cuban corporation and which in March, 1936, arranged for installation of manufacturing plant in Puerto Rico.

7. Same—Same—Police Power.

Puerto Rican legislation prohibiting bulk shipments of distilled spirits does not violate any right conferred by the Trade-Mark Pan American Treaty. Such legislation is authorized by the police power of Puerto Rico as applied to traffic in intoxicating liquors and does not violate Federal Alcohol Act.

On writ of certiorari to the United States Circuit Court of Appeals for the First Circuit. Reversed in part.

Mr. Edward S. Rogers and *Mr. Preston B. Kavanagh* (*Mr. Karl D. Loos* and *Mr. Jerome L. Isaacs* with them on the brief) for Bacardi Corporation of America.

Mr. William Cattron Rigby (*Mr. George A. Malcolm*, Attorney General of Puerto Rico, and *Mr. Nathan R. Margold*, Solicitor for Department of the Interior, with him on the brief) for Domenech.

Mr. David A. Buckley, Jr. (*Mr. H. Russell Bishop* with him on the brief) for Destileria Serralles, Inc.

Mr. Chief Justice Hughes delivered the opinion of the Court.

This case presents the question of the validity of legislation of Puerto Rico prohibiting the use of trade-marks, brands, or trade names, on distilled spirits manufactured in Puerto Rico if the marks, brands, or names had previously been used anywhere outside Puerto Rico, unless they had been used on spirits manufactured in Puerto Rico on or before February 1, 1936, or in the case of trade-marks they had been used exclusively in continental United States prior to that date.

Petitioner, Bacardi Corporation of America, brought this suit in the District Court of the United States for Puerto Rico against the Treasurer of Puerto Rico to have this legislation declared invalid and its enforcement enjoined. The complaint charged invalidity under the fifth amendment and the commerce clause of the Constitution of the United States, the Organic Act of Puerto Rico, the Federal Alcohol Administration Act, and the General Inter-American Trade-Mark Convention of 1929. The Destileria Serralles, Inc., a Puerto Rican corporation, was permitted to intervene as a defendant.

The district court held the legislation invalid and issued a permanent injunction. The circuit court of appeals reversed the decree and directed the dismissal of the complaint. 109 F.(2d) 57. In view of the importance of the questions, we granted certiorari. 309 U. S. 652.

The findings of the district court, which were not disturbed by the rulings of the circuit court of appeals, show the following:

Petitioner, Bacardi Corporation of America, is a Pennsylvania corporation authorized to manufacture distilled spirits. By agreement, petitioner became entitled to manufacture and sell rum in Puerto Rico under the trade-marks and labels of Compania Ron Bacardi, S. A., a Cuban corporation. For more than twenty years, save for the period during national prohibition, the Cuban corporation and its predecessors had sold rum in Puerto Rico and throughout the United States under trade-marks which included the word "Bacardi," "Bacardi y Cia," the representation of a bat in a circular frame, and certain distinctive labels. These trade-marks were duly registered in the United States Patent Office and in the office of the Executive Secre-

tary of Puerto Rico prior to the legislation here in question.

Bacardi rum has always been made according to definite secret processes, has been extensively advertised and enjoys an excellent reputation. Under petitioner's agreement with the Cuban corporation, all rum designated by the described trade-marks and labels was to be manufactured under the supervision of representatives of the Cuban corporation and to be the same kind and quality as the rum that the latter manufactured and sold.

In March, 1936, petitioner arranged for the installation of a plant in Puerto Rico. Since March 31, 1936, petitioner has been duly licensed to do business in Puerto Rico under its laws relating to foreign corporations. Petitioner's basic permits from the Federal Alcohol Administration were amended so as to enable petitioner to operate in Puerto Rico and its labels were approved. Petitioner rented a building in Puerto Rico and spent large sums in installing its plant.

On May 15, 1936, the legislature of Puerto Rico passed act No. 115 known as the "Alcoholic Beverage Law" which, after providing for permits, prohibited the holder of a permit from manufacturing any distilled spirits which were

"locally or nationally known under a brand, trade name or trade-mark previously used on similar products manufactured in a foreign country, or in any other place outside Puerto Rico."

with a proviso excepting brands, trade names or trade-marks used on spirits

"manufactured in Puerto Rico on February 1, 1936."

and also

"any new brand, trade name or trade-mark which may in the future be used in Puerto Rico."[1]

This act was declared to be of an experimental nature. It was repealed by act No. 6 of June 30, 1936, which contained a similar provision and added a prohibition against exports in bulk.[2] That act was to be in force until September 30, 1937. It was, however, converted into permanent legislation by the provisions of act No. 149 of May 15, 1937, known as the "Spirits and Alcoholic Beverages Act."[3]

Declaring it to be the policy of the legislature "to protect the remascent liquor industry of Puerto Rico from all competition by foreign capital,"[4] the act of 1937 provided in sections 44 and 44(b) as follows:

"Section 44.—No holder of a permit granted in accordance with the provisions of this or of any other act shall distill, rectify, manufacture, bottle, or can any distilled spirits, rectified spirits, or alcoholic beverages on which there appears, whether on the container, label, stopper, or elsewhere, any trade-mark, brand, trade name, commercial name, corporation name or any other designation, if said trade-mark, brand, trade name, commercial name, corporation name, or any other designation, design, or drawing has been used previously, in whole or in part, directly or indirectly, or in any other manner, anywhere outside the Island of Puerto Rico; *Provided*, That this limitation shall not apply to the designations used by a distiller, rectifier, manufacturer, bottler, or canner of distilled spirits manufactured in Puerto Rico on or before February 1, 1936."

"Section 44(b).—Distilled spirits, with the exception of ethylic alcohol, 180° proof or more, industrial alcohol, alcohol denatured according to authorized formulas, and denatured rum for industrial purposes, may be shipped or exported from Puerto Rico to foreign countries, to the continental United States, or to any of its territories or possessions, or imported into Puerto Rico, only in containers holding not more than one gallon, and each container shall bear the corresponding label containing the information prescribed by law and by the regulations of the Treasurer; . . ."[5]

It is these sections which petitioner attacks.

Section 7 of the act of 1937 amended the proviso of section 44 so as to make its limitation applicable, in regard to trade-marks only, to such "as shall have been used exclusively in the continental United States prior to February 1, 1936."[6] Petitioner asserts that in the absence of this last provision, there would have been two distillers whose trade-marks would be subject to the prohibition of section 44, that is, petitioner and one other; and that section 7 protected the other manufacturer, leaving petitioner, whose marks had been used in foreign countries and not exclusively in continental United States, the only concern affected by the prohibition. The district court said that the act had the appearance of being framed so as to exclude only the plaintiff and that it was difficult to conceive of "a more glaring discrimination." In this relation petitioner cites the critical reference in *McFarland* v. *American Sugar Refining Company*, 241 U. S. 79, 86, to a statute "which bristles with severities that touch the plaintiff alone." The circuit court of appeals while recognizing the immediate bearing of the provision as thus challenged sustained it "as applying to all who might later engage in the business."

That construction, however, does not touch the essential character of the discrimination which the statute seeks to effect in the use of trade-marks. The statute does not deal with the admission of

[1] These provisions were as follows (Laws of Puerto Rico, 1936, pp. 610, 644, 646):

"(g) No holder of a permit under this title shall manufacture, distill, rectify, or bottle, either for himself or for others, any distilled spirit locally or nationally known under a brand, trade name, or trade-mark previously used on similar products manufactured in a foreign country, or in any other place outside Puerto Rico; *Provided*, (1) That such limitation, aimed at protecting the industry already existing in Puerto Rico, shall not apply to any brand, trade name, or trade-mark used by a manufacturer, rectifier, distiller, or bottler of distilled spirits manufactured in Puerto Rico on February 1, 1936; and (2) such restrictions shall not apply to any new brand, trade name, or trade-mark which may in the future be used in Puerto Rico."

"(h) If any kind, type, or brand of distilled spirits of a foreign origin becomes nationally or internationally known by reason of its bearing or showing as its brand, trade name, or trade-mark, the proper name of the manufacturer thereof, such name shall not, in any manner or form whatever, appear on the labels for any distilled spirit of said kind or type manufactured, distilled, rectified, or bottled in Puerto Rico."

[2] Laws of Puerto Rico, Third Special Session, 1936, p. 78.

[3] Laws of Puerto Rico, 1937, p. 392.

[4] This declaration is as follows:

"Section 1(b). *Declaration of Policy.* It has been and is the intention and the policy of this Legislature to protect the remascent liquor industry of Puerto Rico from all competition by foreign capital so as to avoid the increase and growth of financial absenteeism and to favor said domestic industry so that it may receive adequate protection against any unfair competition in the Puerto Rican market, the continental American market, and in any other possible purchasing market."

[5] There followed in section 44(b), after the provision quoted in the text, a proviso relating to the liquidation of a stock of rum where a rectifier wishes to withdraw from business.

[6] Section 7 is as follows: "In regard to trade-marks, the provisions of the proviso of section 44 of act No. 6, approved June 30, 1936, and which is hereby amended, shall be applicable only to such trade-marks as shall have been used exclusively in the continental United States by any distiller, rectifier, manufacturer, bottler, or canner of distilled spirits prior to February 1, 1936, provided such trade-marks have not been used, in whole or in part, by a distiller, rectifier, manufacturer, bottler, or canner of distilled spirits outside of the continental United States, at any time prior to said date."

corporations, foreign to Puerto Rico, for the purpose of transacting business in the island. Petitioner received its local license. Nor does the statute prohibit the manufacture of rum in Puerto Rico. That is allowed. Petitioner received permits from Puerto Rico for that manufacture as well as the basic permits from the Federal Alcohol Administration. The statutory restriction is not on doing business or manufacturing apart from the use of petitioner's trade-marks and labels to designate its product. As to these trade-marks and labels, the prohibition does not rest on lack of proper registration under the local law. Petitioner's trade-marks have been duly registered in the United States and Puerto Rico. Nor does the prohibition of use proceed on the ground that the trade-marks, as such, are invalid. The Cuban corporation which licensed petitioner to manufacture and sell Bacardi products and to use Bacardi trade-marks had for many years sold its rum in Puerto Rico, although the rum was not manufactured there. There is no question of deception or unfair methods of competition. Petitioner is prohibited from the use of its trade-marks, although valid and duly registered and although the product to which they are applied is otherwise lawfully made and the subject of lawful sale, solely because the marks had previously been used outside Puerto Rico and had not been used on spirits manufactured in Puerto Rico, or exclusively in continental United States, prior to February 1, 1936.

The first question thus presented is whether this discriminatory enactment conflicts with the General Inter-American Convention for Trade-Mark and Commercial Protection signed at Washington on February 20, 1929.[7]

This treaty was the culmination of the efforts of many years to secure the cooperation of the American states in uniform trade-mark protection. As previous conventions had not proved satisfactory,[8] the Sixth International Conference of American States, held at Habana in 1928, recommended to the governing board of the Pan American Union the calling of a special conference

"for the purpose of studying in its amplest scope the problem of the Inter-American protection of trade-marks."

Delegates from the respective states were appointed accordingly and from their proceedings the convention of 1929 resulted. There were obvious difficulties to be surmounted. These inhered in the differences between the principles of trade-mark protection in the Latin American countries, where the civil law is followed, and the common law principles obtaining in the United States. The convention states that the contracting states were

"animated by the desire to reconcile the different juridical systems which prevail in the several American republics"

and resolved to negotiate the convention

"for the protection of trade-marks, trade names, and for the repression of unfair competition and false indications of geographical origin."

By chapter I, entitled "Equality of Citizens and Aliens as to Trade-Mark and Commercial Protection," the respective contracting states bind themselves to grant to the nationals of the other contracting states the same rights and remedies which their laws extend to their own nationals.

By chapter II, entitled "Trade-Mark Protection," provision is made for registration or deposit of trade-marks in the proper offices of the contracting states. Article 3 then specifically provides:

"Every mark duly registered or legally protected in one of the contracting states shall be admitted to registration or deposit and legally protected in the other contracting states, upon compliance with the formal provisions of the domestic law of such states."

The grounds upon which registration or deposit may be refused or canceled are then set forth, including those cases where the distinguishing elements of marks infringe rights already acquired by another person in the country where registration or deposit is claimed, or where they lack an appropriate distinctive character, or offend public morals, etc. (Art. 3). It is further provided that labels, industrial designs and slogans used to identify or to advertise goods shall receive the same protection accorded to trade-marks in countries where they are considered as such, upon compliance with the requirements of the domestic trade-mark law (Art. 5). The owner of a mark protected in one of the contracting states is permitted to oppose registration or deposit of an interfering mark (Art. 7); and the owner of a mark refused registration because of an interfering mark has the right to apply for and obtain the cancellation of the interfering mark on meeting stated requirements. (Art. 8.)

There is another provision that "the use and exploitation of trade-marks may be transferred separately for each country" and properly recorded. (Art. 11.)

Chapter III provides for the "Protection of Commercial Names," chapter IV for the "Repression of Unfair Competition," and chapter V for the "Repression of False Indications of Geographical Origin or Source." The remaining chapters relate to remedies and contain general provisions. Among the latter is one to the effect that the provisions of the convention

"shall have the force of law in those states in which international treaties possess that character, as soon as they are ratified by their constitutional organs."

An accompanying protocol establishes an Inter-American Trade-Mark Bureau where marks may be registered.

The text of the provisions above mentioned relating to the protection of trade-marks is set forth in the margin.[9]

[7] The convention was ratified by the United States on February 11, 1931, and proclaimed February 27, 1931. 46 Stat. 2907. It was ratified by Cuba in 1930. *Id.*, p. 2976. It has also been ratified by Colombia, Guatemala, Haiti, Honduras, Nicaragua, Panama and Peru. Bulletin, U. S. Trade-Mark Association, 1936, p. 174.

[8] Ladas, "The International Protection of Trade-Marks by the American Republics," pp. 11 et seq.; Derenberg, "Trade-Mark Protection and Unfair Trading," pp. 779 et seq.

[9] "Chapter I. Equality of Citizens and Aliens as to Trade-Mark and Commercial Protection.

"Article 1. The contracting states bind themselves to grant to the nationals of the other contracting states and to domiciled foreigners who own a manufacturing or commercial establishment or an agricultural development in any of the states which have ratified or adhered to the present convention the same rights and remedies which their laws extend to their own nationals or domiciled persons with respect to trade-marks, trade names,

[1] This treaty on ratification became a part of our law. No special legislation in the United States was necessary to make it effective. *Head Money Cases*, 112 U. S. 580, 598, 599; *Asakura* v. *Seattle*, 265 U. S. 332, 341. The treaty bound Puerto Rico and could not be overridden by the Puerto Rican legislature. *Asakura* v. *Seattle*, supra; *Nielsen* v. *Johnson*, 279 U. S. 47, 52; *United States* v. *Belmont*, 301, U. S. 324, 331. According to the accepted canon, we should construe the treaty liberally to give effect to the purpose which animates it. Even where a provision of a treaty fairly admits of two constructions, one restricting, the other enlarging rights which may be claimed under it, the more liberal interpretation is to be preferred. *Jordan* v. *Tashiro*, 278 U. S. 123, 127; *Nielsen* v. *Johnson*, supra; *Factor* v. *Laubenheimer*, 290 U. S. 276, 293, 294.

[2] Here, the clear purpose of the treaty is to protect the foreign trade-marks which fall within the treaty's purview. The basic condition of that protection, as set forth in article 3, is that the mark shall have been "duly registered or legally protected" in one of the contracting states. This phrase shows the endeavor to reconcile the conflicting juridical principles of these states,—the words "or legally protected" being added to the words "duly registered" with the apparent intent to cover trade-marks which were entitled under the common law to protection by reason of appropriation and use.[10] If duly registered or legally protected in one of the contracting states, the mark is to be admitted to registration or deposit and is to be legally protected in the other contracting states. The condition of that protection in the other states is compliance "with the formal provisions" of the domestic law. This clearly indicates that formalities or procedural requisites are envisaged and that, when these have been met, it is the intent of the treaty to confer a substantive right to the protection of the foreign mark. The intent to give this right of protection if the mark is entitled to registration under the treaty, is shown with abundant clarity by the provisions of the same article setting forth the grounds, relating to infringement of previously acquired rights or lack of distinctive character, etc., upon which registration may be refused or canceled in the country where protection is sought. Also by

and the repression of unfair competition and false indications of geographical origin or source."

"Chapter II. Trade-Mark Protection.

"Article 2. The person who desires to obtain protection for his marks in a country other than his own, in which this convention is in force, can obtain protection either by applying directly to the proper office of the state in which he desires to obtain protection, or through the Inter-American Trade-Mark Bureau referred to in the protocol on the Inter-American Registration of Trade-Marks, if this protocol has been accepted by his country and the country in which he seeks protection."

"Article 3. Every mark duly registered or legally protected in one of the contracting states shall be admitted to registration or deposit and legally protected in the other contracting states, upon compliance with the formal provisions of the domestic law of such states.

"Registration or deposit may be refused or canceled of marks:

"1. The distinguishing elements of which infringe rights already acquired by another person in the country where registration or deposit is claimed.

"2. Which lack any distinctive character or consist exclusively of words, symbols, or signs which serve in trade to designate the class, kind, quality, quantity, use, value, place of origin of the products, time of production, or which are or have become at the time registration or deposit is sought, generic or usual terms in current language or in the commercial usage of the country where registration or deposit is sought, when the owner of the marks seeks to appropriate them as a distinguishing element of his mark.

"In determining the distinctive character of a mark, all the circumstances existing should be taken into account, particularly the duration of the use of the mark and if in fact it has acquired in the country where deposit, registration or protection is sought, a significance distinctive of the applicant's goods.

"3. Which offend public morals or which may be contrary to public order.

"4. Which tend to expose persons, institutions, beliefs, national symbols or those of associations of public interest, to ridicule or contempt.

"5. Which contain representations of racial types or scenes typical or characteristic of any of the contracting states, other than that of the origin of the mark.

"6. Which have as a principal distinguishing element, phrases, names or slogans which constitute the trade name or an essential or characteristic part thereof, belonging to some person engaged in any of the other contracting states in the manufacture, trade or production of articles or merchandise of the same class as that to which the mark is applied." . . .

"Article 5. Labels, industrial designs, slogans, prints, catalogues or advertisements used to identify or to advertise goods, shall receive the same protection accorded to trade-marks in countries where they are considered as such, upon complying with the requirements of the domestic trade-mark law." . . .

"Article 7. Any owner of a mark protected in one of the contracting states in accordance with its domestic law, who may know that some other person is using or applying to register or deposit an interfering mark in any other of the contracting states, shall have the right to oppose such use, registration or deposit and shall have the right to employ all legal means, procedure or recourse provided in the country in which such interfering mark is being used or where its registration or deposit is being sought, and upon proof that the person who is using such mark or applying to register or deposit it, had knowledge of the existence and continuous use in any of the contracting states of the mark on which opposition is based upon goods of the same class, the opposer may claim for himself the preferential right to use such mark in the country where the opposition is made or priority to register or deposit it in such country, upon compliance with the requirements established by the domestic legislation in such country and by this convention.

"Article 8. When the owner of a mark seeks the registration or deposit of the mark in a contracting state other than that of origin of the mark and such registration or deposit is refused because of the previous registration or deposit of an interfering mark, he shall have the right to apply for and obtain the cancellation or annulment of the interfering mark upon proving, in accordance with the legal procedure of the country in which cancellation is sought, the stipulations in paragraph (a) and those of either paragraph (b) or (c) below:

"(a) That he enjoyed legal protection for his mark in another of the contracting states prior to the date of the application for the registration or deposit which he seeks to cancel; and

"(b) That the claimant of the interfering mark, the cancellation of which is sought, had knowledge of the use, employment, registration or deposit in any of the contracting states of the mark for the specific goods to which said interfering mark is applied, prior to adoption and use thereof or prior to the filing of the application or deposit of the mark which is sought to be cancelled, or

"(c) That the owner of the mark who seeks cancellation based on a prior right to the ownership and use of such mark, had traded or trades with or in the country in which cancellation is sought, and that goods designated by his mark have circulated and circulate in said country from a date prior to the filing of the application for registration or deposit for the mark, the cancellation which is claimed, or prior to the adoption and use of the same."

"Article 11. The transfer of the ownership of a registered or deposited mark in the country of its original registration shall be effective and shall be recognized in the other contracting states, provided that reliable proof be furnished that such transfer has been executed and registered in accordance with the internal law of the state in which such transfer took place. Such transfer shall be recorded in accordance with the legislation of the country in which it is to be effective.

"The use and exploitation of trade-marks may be transferred separately for each country, and such transfer shall be recorded upon the production of reliable proof that such transfer has been executed in accordance with the internal law of the state in which such transfer took place. Such transfer shall be recorded in accordance with the legislation of the country in which it is to be effective."

[10] Derenberg, op. cit., p. 788.

the provisions as to the right of the owner of a mark protected in one of the contracting states to oppose registration in another state of an interfering mark (Art. 7); and by the provisions as to the right of the owner of a mark, having its origin in one state and seeking registration in another, to obtain cancellation or annulment of an interfering mark which stands in the way of the registration sought, upon proving priority of right as stated. (Art. 8.) Then there is the additional recognition of the right to transfer the ownership of a registered mark and also to transfer separately for each country the use and exploitation of trade-marks when the transfer is executed in accordance with the law of the place where it is made and is duly recorded. It will be observed that the right of protection of the foreign marks, on compliance with the prescribed formalities, is accorded in each of the ratifying states irrespective of citizenship or domicile.[11] When the foreign mark is entitled by virtue of the treaty to registration in a ratifying state, and is duly registered there, the substantive right to its protection in that state attaches.

[3] In this view, the contention that a ratifying state, on due registration of a foreign mark in accordance with the treaty, is not bound to protect the owner in the use of that mark provided it refuses that protection to its own nationals necessarily fails. Undoubtedly the contracting states are bound respectively to give to the nationals of the other contracting states the same rights and remedies that are extended to their own nationals. That is provided in article 1. But that provision does not exhaust the rights given by the treaty. These rights under article 3 extend to the legal protection of the foreign marks when duly registered. When protection is sought for such marks a ratifying state cannot escape the obligations of the treaty and deny protection by the simple device of embracing its own nationals in that denial. That would make a mockery of the treaty. It is its plain purpose to prevent a ratifying state from denying protection to the foreign mark because of its origin or previous registration in a foreign country. It is said that the object of the treaty is to prevent piracy. That is true, but the argument does not meet the issue. Protection against piracy necessarily presupposes the right to use the marks thus protected.

[4] We are here concerned with the construction of the treaty only as it involves the determination of the validity of the statutory discrimination against the foreign marks which have been duly registered in the United States and Puerto Rico. The Bacardi marks are of Cuban origin. We must assume upon this record that they were duly registered and were valid in Cuba. Both the United States and Cuba have ratified the treaty.[12] The right of the Cuban corporation which owned the marks to make a separate transfer to petitioner of the right to use and exploit them in Puerto Rico is recognized by the treaty. Despite this, Puerto Rico has attempted to deny the right to use these marks on rum manufactured in Puerto Rico for the sole reason that the marks had been used outside Puerto Rico and had not been used on spirits made there, or exclusively in continental United States, before the given date. That is, the very fact of origin in Cuba, which makes the treaty applicable, is asserted as a ground for denying the right to use the trade-marks, duly registered, on a product otherwise lawfully manufactured in Puerto Rico.

That Puerto Rico makes its rule applicable to its own citizens who may possess such foreign marks cannot avail to purge the discrimination of its hostility to the treaty. The same reasoning, if admitted to sustain this particular discrimination, would justify as against the treaty a local statute denying the right to use in Puerto Rico any foreign trade-mark in any circumstances.

[5] The exigencies of local trade and manufacture which prompted the enactment of the statute cannot save it, as the United States in exercising its treaty making power dominates local policy.

[6] We are not impressed by the argument that petitioner is estopped by acts of acquiescence to challenge the validity of the Puerto Rican legislation. It is said that petitioner, having accepted the privilege to engage in the local business, is bound by the prescribed conditions. The basis of the contention fails. It does not appear that petitioner applied for a permit under the act of 1937 which is the subject of attack. Petitioner did apply, on March 31, 1936, for a permit to engage in the business of rectifying distilled spirits. At that time the legislation of Puerto Rico did not discriminate against petitioner's trade-marks, and the legislation of May 15, 1936, was of a temporary character. Apart from that, it is not the right to manufacture, aside from the use of trade marks, that is in dispute here but the right to use petitioner's trade-marks upon its product. Nothing has been shown to warrant a finding of estoppel to assert the invalidity of the discrimination thus attempted in violation of the treaty. *W. W. Cargill Co.* v. *Minnesota*, 180 U. S. 452, 468; *Hanover Insurance Co.* v. *Harding*, 272 U. S. 494, 507; *Power Manufacturing Co.* v. *Saunders*, 274 U. S. 490, 497; *Frost* v. *Corporation Commission*, 278 U. S. 515, 527, 528.

We conclude that, upon this ground of repugnance to the treaty, the decree of the district court insofar as it enjoined the enforcement of section 44 of act No. 6 of June 30, 1936, as amended by act No. 149 of May 15, 1937 (including the amendment made by section 7 of that act), with respect to petitioner's trade-marks, was right, and that the reversal in that relation by the circuit court of appeals was erroneous.

[11] See Bulletin, U. S. Trade Mark Association, 1931, p. 173; Derenberg, op. cit., p. 788.

[12] The Solicitor General has submitted to the Court a communication by the Cuban Embassy in Washington to the Secretary of State of the United States relating to the interest of Cuban nationals and the Cuban Government in the question here presented.

We have no occasion to consider the other grounds of objection to section 44 which have been urged under the Constitution and laws of the United States and the Organic Act of Puerto Rico.

[7] A different situation is presented with respect to section 44(b) of act No. 149 of 1937, prohibiting bulk shipments of distilled spirits. This prohibition does not appear to offend any right conferred by the treaty and we think an adequate basis for it is found in the police power of Puerto Rico as applied to traffic in intoxicating liquors. We have recently said that

"The aim of the Foraker Act and the Organic Act was to give Puerto Rico full power of local self-determination, with an autonomy similar to that of the States and incorporated territories."

Puerto Rico v. *Shell Company*, 302 U. S. 253, 261, 262. See, also, *Puerto Rico* v. *Rubert Hermanos*, 309 U. S. 543, 547. As the grant of legislative power in respect of local matters was "as broad and comprehensive as language could make it" (*Puerto Rico* v. *Shell Company*, supra), we think the legislature of Puerto Rico in the exercise of its police power had full authority to deal with the manufacture of, and traffic in, intoxicating liquors, so far as the island was affected, in the absence of a treaty violation such as we have found in the prohibition of the use of valid trade-marks upon liquors which were otherwise permitted to be manufactured and sold. The legislature of Puerto Rico could thus have absolutely interdicted the manufacture or sale (*Mugler* v. *Kansas*, 123 U. S. 623), the importation into the island (*State Board of Equalization* v. *Youngs' Market Co.*, 299 U. S. 62; *Mahoney* v. *Joseph Triner Corporation*, 304 U. S. 401, 404) and the exportation from the island. *Ziffrin* v. *Reeves*, 308 U. S. 132, 139. Having this power, the legislature of Puerto Rico could adopt measures reasonably appropriate to carry out its inhibitions. That broad power necessarily embraced the limited exercise which we find in section 44(b) with respect to shipments in bulk. Nor do we find anything in the Federal Alcohol Administration Act which militates against that provision. The circuit court of appeals did not err in its decision in this respect.

The decree of the circuit court of appeals in relation to section 44 is reversed and the decree of the district court is modified so as to eliminate the injunction against the enforcement of section 40[10] and section 44(b) of act No. 149 of May 15, 1937, and as thus modified is affirmed.

It is so ordered.

U. S. Court of Appeals for the District of Columbia

MARINE v. COE, COMMISSIONER OF PATENTS

No. 7,618. Decided February 24, 1941

[—F.(2d)—]

PATENTABILITY—VEHICLE DOOR LATCH.

Claims for a vehicle door latch construction *Held* properly rejected for lack of invention over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

[10] Section 40 was embraced in the decree of the district court but is not the subject of attack in this Court.

Mr. Charles S. Grindle for Marine.

Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

Before GRONER, Chief Justice, and MILLER and RUTLEDGE, Associate Justices

MILLER, *A. J.*:

This suit was brought under the provisions of section 4915, R. S.[1] Appellant contends that he is entitled to the issue of a patent on claims which describe a vehicle door latch construction and a vehicle door, having a slidable closure therein with a latch located below the said closure when in lowered position, and with means for operating the said latch extending upwardly between said closure and the sides of the door. The four claims which are involved are set out in the margin.[2] The claimed invention is intended to be used in the doors of automobiles.

The Patent Office and the district court decided that the claims involved no invention. Appellant contends that they define novelty, utility and invention, which are not negatived by the references relied upon by the lower tribunals. We are satisfied that no invention is shown; consequently, in our view, the determination of the district court was correct.

Affirmed.

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[1] 35 U. S. C. A. § 63.

[2] "37. A vehicle door having a slidable closure therein, a latch located below said closure when in lowered position and means for operating said latch extending upwardly between said closure and the side of the door to a point near the top of said door.

"38. A vehicle door latch construction comprising two connectors designed respectively to be attached at their upper ends to respective door handles located near the top and on opposite sides of a door and to extend downwardly to a point near the bottom of a door closure when lowered and a latch designed to be located below said closure when lowered, the respective lower ends of said connectors being connected for independent operation to said latch.

"39. A vehicle door latch construction comprising a connector designed to be attached at its upper end to a door handle located near the top of a door and to extend downwardly to a point near the bottom of a door closure when lowered and a latch designed to be located below said closure when lowered, the lower end of said connector being connected to said latch.

"41. A vehicle door latch construction comprising connecting means attachable at one end to a door handle located near the top of the door and extending downwardly to a point near the bottom of a door closure when in lowered position, a latch designed to be located below said closure when lowered, said connecting means being attached to said latch."

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Des. 100,175. (See Des. 100,174.)

Des. 100,324. (See 2,046,325.)

Des. 107,641, 2,138,027, Doll & Rogers, Internal combustion engine; 2,193,510, same, Ignition mechanism for engines, D. C., E. D. Mich., S. Div., Doc. 2353, *Synchro Devices, Inc.*, v. *May Motors, Inc.* Consent decree for plaintiff (notice Jan. 10, 1941).

T. M. 127,809, T. M. 320,694, T. M. 216,829, C. W. Beggs Sons & Co., Cosmetics; T. M. 260,901, same, Astringent lotion, cleansing cream, etc.; T. M. 260,940, same, Brilliantine; T. M. 350,888, same, Soap, D. C., N. D. Ill., E. Div., Doc. 2040, *C. W. Beggs Sons & Co.* v. *The Fair, Inc., et al.* Consent decree holding infringement by The Fair, injunction Oct. 25, 1940.

T. M. 216,829. (See T. M. 127,809.)

T. M. 260,901. (See T. M. 127,809.)

T. M. 260,940. (See T. M. 127,809.)

T. M. 320,694. (See T. M. 127,809.)

T. M. 350,888. (See T. M. 127,809.)

Adjudicated Patents

(C. C. A. Ill.) Gross patent, No. 1,690,109, for collapsible box, claims 1 to 4, 6, 7, and 9 to 11 *Held* invalid. *Simplex Paper Box Corporation* v. *Boxmakers, Inc.*, 116 F.(2d) 914.

(D. C. N. J.) Richter patent, No. 1,695,609, for tailboard and tailboard mounting for trucks and the like, claims 1, 2, and 4 *Held* invalid. *Perfect Tailboards, Patented* v. *Adam Black & Sons*, 36 F. Supp. 255.

(C. C. A. Ill.) Gross patent, No. 1,758,510, for paper box, claims 1, 2, 6, 8, 10, and 11 *Held* invalid. *Simplex Paper Box Corporation* v. *Boxmakers, Inc.*, 116 F.(2d) 914.

(C. C. A. Ill.) Gross patent, No. 1,940,213, for knockdown paper box with cover, claims 1 to 6 *Held* invalid. *Id.*

(D. C. Pa.) Reiser design patent, No. D-91,542, for design for an egg cup having a top, *Held* not infringed. *Reiser* v. *McKee Glass Co.*, 36 F. Supp. 259.

(D. C. Pa.) Reiser design patent, No. D-112,846, for design for a combined egg cup and cover therefor, *Held* not infringed. *Id.*

Disclaimer

2,152,278.—*Richard D. Clemson*, Middletown, N. Y. MOWER. Patent dated March 28, 1939. Disclaimer filed February 26, 1941, by the assignee, *Clemson Bros., Inc.*

Hereby disclaims from the scope of claim 1—

All mowers in which the plane joining the upper end of the handle, where propelling force is applied thereto and the line of contact of the wheels with the ground, when the handle is in normal operating position, passes in front of the axis of pivotal attachment of the handle to the frame.

Transfer of Class

ORDER No. 3,543

U. S. PATENT OFFICE, *Washington, D. C., Mar. 8, 1941.*

The following transfer, effective Thursday, March 6, 1941, is hereby ordered:

Class 78, Metal Forging and Welding, from Division 13 to Division 10

CONWAY P. COE,
Commissioner.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Mar. 3, 1941.*

Bradley Wise Paint Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Milton Bradley Company, 74 Park Street, Springfield, Mass., for registration of a trade-mark, and trade-marks registered March 1, 1927, Nos. 224,571 and 224,572, to Bradley-Wise Paint Company, 4890 Pacific Boulevard, Los Angeles, Calif. (General Paint Corporation, successor). A notice of such proceeding sent by registered mail to said Bradley-Wise Paint Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Bradley-Wise Paint Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 10, 1941.*

Reuben Wornow, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Special Formula Corporation, 845 North Arlington Avenue, East Orange, N. J., to effect the cancellation of registration No. 291,069, issued January 26, 1932, to Reuben Wornow, 176 Avenue B, New York, N. Y., and a notice of such proceeding sent by registered mail to said Reuben Wornow at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Reuben Wornow, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Notice—Continued

production of tetraethyl lead (as is defined in the regulations issued pursuant to Proclamation No. 2417, of July 26, 1940, as may from time to time be amended).

Proclamation No. 2451,[1] of December 20, 1940, is hereby superseded so far as and to the extent that it relates to plans for the production of aviation lubricating oil.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of the United States of America to be affixed.

DONE at the city of Washington this 4th day of March, in the year of our Lord nineteen hundred and [SEAL] forty-one, and of the Independence of the United States of America the one hundred and sixty-fifth.

FRANKLIN D. ROOSEVELT

By the President:
CORDELL HULL,
Secretary of State.

[No. 2405]

[F. R. Doc. 41-1625; Filed, March 5, 1941; 10:25 a. m.]

[1] 5 F.R. 5229.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING FEBRUARY, 1941

NATIONAL TUBE COMPANY, v. CHERRY-BURRELL CORPORATION, Opposition No. 18,712.

In a decision rendered February 3, 1941 (163 Ms. Dec. 688, 48 U. S. P. Q. 433), *Assistant Commissioner Van Arsdale* affirmed the decision of the Acting Examiner of Interferences sustaining the notice of opposition filed by National Tube Company of Pittsburgh, Pennsylvania, to the application of Cherry-Burrell Corporation, of Chicago, Ill., for registration of a trade-mark consisting of a vertically disposed diamond-shaped outline having a capital C on one side and a capital B on the other side for the following goods: pipe fittings and metal pipes comprising right angle bends, T's, crosses, elbows, unions, union nuts, ferrules, reducing ferrules, caps, couplings, coupling adapters, bushings, nipples, nuts, valves, pipe clamps, pipe hangers, vat outlets, pipe strainers, can fillers and thermometer holders.

The opposition was based on seven registrations owned by the opposer, to wit: Nos. 78,628, 91,892, 94,392, 100,993, 106,118, 171,830 and 179,126, all of which, the Assistant Commissioner found, antedate the earliest use asserted by the applicant for the mark applied for on the goods named in the application. He pointed out that the goods named in each of these registrations include pipes and tubes; that five of these registrations also include casings, and that two of these five also specify pipe couplings.

Referring to the evidence, the Assistant Commissioner then stated:

"As appears from applicant's exhibits, particularly applicant's Exhibits 1 to 7, inclusive, all of the goods specified in the opposed application are intended and designed for use with pipes and tubes, and are intended to become parts of pipe and tube assemblies, and in applicant's catalogue (applicant's Exhibit 1) all these articles are designated as fittings. Accordingly, it is my opinion that the goods specified in the application of appellant which is involved herein are goods of the same descriptive properties as the goods listed in each of the registrations relied on by the opposer. I would be of the same opinion if the words 'pipe fittings and metal pipes comprising' were deleted from the statement of goods in the application, and which deletion applicant has offered to make.

"A comparison of the mark of appellant's application herein with the marks as shown in opposer's registrations relied on, and a comparison of applicant's Exhibits 2 to 7, inclusive, with opposer's Exhibits B to I, inclusive, convinces me that the marks of opposer's registrations Nos. 78,628, 100,993, 171,830 and 179,126 are so similar to the mark of the application involved herein that the use of the mark of appellant's application on the goods stated therein simultaneously with the use by opposer of the mark of any one of these four registrations on the goods named therein would be likely to cause confusion and to deceive purchasers.

"On the other hand, it is my opinion that the mark of the application involved herein is so dissimilar from the marks of opposer's registrations Nos. 91,892, 94,392 and 106,118 that the simultaneous use of these marks by the parties on the respective goods would not be likely to cause confusion or deception of purchasers."

With reference to proof by the opposer of its corporate entity, the Assistant Commissioner ruled, as follows:

"Applicant raises the point that opposer has not proved its corporate entity. It is stipulated, however, that opposer is doing business under the name National Tube Company and owns the registrations asserted in the notice of opposition. As stated by the Acting Examiner of Interferences the opposition is predicated on these registrations rather than on any assertion that National Tube Company is a corporation of any particular state. In my opinion the opposition should not be dismissed on the ground that proof is lacking as to opposer's corporate entity."

EX PARTE CHERRY-BURRELL CORPORATION, Serial No. 412,946.

In a decision rendered February 4, 1941 (163 Ms. Dec. 690, 48 U. S. P. Q. 435), *Assistant Commissioner Van Arsdale* held that the Acting Examiner of Trade-Marks correctly refused registration of a trade-mark consisting of the word "Cabinet" for liquid heating and cooling apparatus comprising an enclosure housing an apparatus for heating and/or cooling liquid food products or liquids to be used in food products, which registration was applied for by the Cherry-Burrell Corporation of Chicago, Ill. The Assistant Commissioner agreed with the Examiner that the word "Cabinet" is merely descriptive of the goods named in the application.

EX PARTE WILLOW BROOK DAIRY, INC., Serial No. 431,936.

By a decision rendered February 4, 1941 (163 Ms. Dec. 691, 48 U. S. P. Q. 437), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing to grant registration to Willow Brook Dairy, Inc., of Mount Vernon, N. Y., of the words "Willow Gold" for fluid milk on the ground that this mark is confusingly similar to a mark which includes the word "Willow" previously registered for milk, bread, pies, cakes and sandwiches.

In his decision, the Assistant Commissioner said:

"Both marks being applied to milk, the sole question is whether the simultaneous use of applicant's mark and the mark of the cited registration on milk would be likely to cause confusion and to deceive purchasers.

"The word 'Wil-low' is the dominant feature of the mark of the registration, and the word 'Willow' is at least as dominant in applicant's mark as is the word 'Gold'.

"Considering both marks in their entireties, it is my opinion that the two marks sound so nearly alike when spoken and are so similar in appearance that the simultaneous use of these two marks by the respective parties on milk would be likely to cause confusion and to deceive purchasers."

EX PARTE AFFILIATED PRODUCTS, INC., Serial No. 429,209.

In a decision rendered February 4, 1941 (163 Ms. Dec. 691, 48 U. S. P. Q. 435), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Marks in refusing to grant registration to Affiliated Products, Inc., of Jersey City, N. J., of the mark "Van Ess" for lipsticks, rouges, and various other cosmetic articles and prepara-

tions on the ground that the trade-mark is merely a surname not distinctively displayed.

GLENMORE DISTILLERIES CO., INC., v. NATIONAL DISTILLERS PRODUCTS CORPORATION, Opposition No. 19,560.

In a decision rendered February 4, 1941 (163 MS. Dec. 602, 48 U. S. P. Q. 436), *Assistant Commissioner Frazer* concluded that patent rule 157 may not properly be construed to permit the use in an opposition proceeding of the records made in two United States district courts in two suits involving the opposer, Glenmore Distilleries Co., Inc., of Louisville, Ky., as plaintiff, and applicant's predecessor, Penn-Maryland Corporation, as defendant.

The Examiner of Interferences had denied the motion of the applicant, National Distillers Products Corporation, of New York City, which was filed after final hearing and purported to be under the provisions of rule 157, on the ground it was untimely: according to the Examiner, said rule "contemplates that such a motion should be brought within the time scheduled for the taking of testimony by the party seeking to invoke this rule." However, the Assistant Commissioner, in affirming the denial of the motion, predicated his decision upon the broader basis that the rule sought to be invoked was inapplicable. He said:

"By virtue of rule 60 of the rules relating to the registration of trade-marks, the provisions of rule 157 are applicable in trade-mark opposition and cancellation proceedings. But for the rule, testimony taken in a prior proceeding would be inadmissible upon motion unless supported by a suitable showing, in both patent and trade-mark cases; because such testimony is universally regarded as secondary evidence. Manifestly the rule may not properly be construed to include testimony taken in proceedings of the character involved in the instant motion; for they do not pertain to questions of interference, cancellation, or opposition."

The records sought to be introduced were already in evidence and the motion under rule 157 was filed because the Examiner of Interferences had stated at final hearing that in its absence such records could not be considered. The applicant argued before the Assistant Commissioner that the opposer had waived its right to object to their consideration on the ground of incompetency. The Assistant Commissioner stated that that question was not before him, and that he would express no opinion thereon, leaving it to be determined in the first instance by the Examiner of Interferences. He remanded the case to the Examiner of Interferences for further proceedings consistent with the views expressed by him in his decision on the appeal.

MINNESOTA VALLEY CANNING COMPANY v. WESTERN PRODUCERS EXCHANGE, Opposition No. 19,284.

In a decision rendered February 5, 1941 (163 Ms. Dec. 694, 48 U. S. P. Q. 479), *Assistant Commissioner Van Arsdale* reversed the decision of the Examiner of Interferences dismissing the opposition filed by Minnesota Valley Canning Company of Le Sueur, Minn., which was directed against the granting of registration to Western Producers Exchange, of Auburn, Wash., of a mark consisting of the word "Acepak" displayed in peculiar block letters for fresh vegetables. Opposer relied upon a registration of the mark "Agi-Pak" for canned corn, issued to it prior to the first date of use claimed by applicant of the mark "Acepak" on the goods named in its application.

After expressing the opinion that canned vegetables and fresh vegetables are definitely goods of the same descriptive properties, the Assistant Commissioner said:

"The decision of the Examiner of Interferences indicates that the Examiner was persuaded the concurrent use of these marks by the parties on the respective goods would not be likely to result in confusion of trade by the decision in the case of the *Minnesota Valley Canning Co.* v. *United Packing Corp.*, 495 O. G. 717, 39 U. S. P. Q. 71, in which case it was held that the mark 'Unipack' for canned fruits was not confusingly similar to the mark 'Agi-Pak' used on canned corn.

"In my opinion, the mark 'Acepak' approaches more closely the mark 'Agi-Pak' in sound and appearance than does the mark 'Unipack', and it seems to me the marks 'Acepak' and 'Agi-Pak', when spoken, are so similar in sound, and, when viewed, are so similar in appearance, that there is considerable likelihood that the concurrent use of these two marks, the one with fresh vegetables and the other with canned vegetables, would result in confusion and the deception of purchasers."

CLUETT, PEABODY & CO., INC., v. BURMEL HANDKERCHIEF CORPORATION, Opposition No. 18,333.

In a decision rendered on February 11, 1941 (163 Ms. Dec. 696, 48 U. S. P. Q. 481), *Assistant Commissioner Frazer* reversed the decision of the Examiner of Interferences dismissing the opposition of Cluett, Peabody & Co., Inc., of Troy, N. Y., to the application of Burmel Handkerchief Corporation of New York City for registration of the notation "Handkerchiefs of the Year", with a disclaimer of the word "Handkerchiefs", as a trade-mark for handkerchiefs. However, the Assistant Commissioner affirmed the action of the Examiner of Interferences in refusing the registration applied for.

The Examiner of Interferences had refused registration on the ground that the mark is descriptive of the goods, but the Assistant Commissioner placed his decision on a different ground. He said:

"In holding the mark to be descriptive, the Examiner expressed the opinion 'that phrases such as "of the year", "of the month" and the like, when used in connection with any particular thing in the manner of the notation used by the applicant, are mere laudatory expressions, descriptive of the character or quality of the subject concerned.' Whether or not it is strictly accurate to say that such expressions are 'descriptive', within the meaning of the Trade-Mark Act, I am clearly of the opinion that they are not registrable as trade-marks, for the simple reason that they are inherently incapable of functioning as such. In other words, and more specifically, I do not think that applicant's alleged mark, 'Handkerchiefs of the Year', would have the slightest significance to the purchasing public as indicating origin in applicant of the handkerchiefs with which it is used.

"It is true, as pointed out by applicant, that several expressions of a similar nature have previously been registered as trade-marks for various goods; but the propriety of such registrations is not here in issue, and they need not be discussed, except to say that I must decline to accept them as binding precedents in the instant case."

Opposer pleaded that the notation for which the applicant sought registration is one that it, in common with all other handkerchief manufacturers, has a right to use upon and in connection with the sale of handkerchiefs. This ground of opposition was overruled by the Examiner because the opposer had not in fact so used the notation. In regard to this matter, the Assistant Commissioner stated:

"I think it is now fairly well established that damage may be predicated upon the registration to a competitor of any term or symbol that an opposer has an equal right to use in connection with his goods, regardless of the fact that such use has not occurred at the time of opposition. For example, in the very recent case of *Martell & Co.* v. *Societe Anonyme de la Benedictine* (C. C. P. A.), 48 U. S. P. Q. 116, an opposition was sustained by the United States Court of Customs and Patent Appeals, even though the descriptive expression there involved not only had never been used by the opposer, but had been ordered disclaimed in the proposed registration; the court observing that 'there appears to be a probability that the Martell Company would be damaged by the registration of the mark.' That such a probability exists in the instant case seems clear; because the registration sought by applicant would constitute prima facie evidence of applicant's ownership of an expression which opposer, in common with all other dealers in like goods, has the right to use if it so chooses."

SEARS, ROEBUCK AND COMPANY v. W. F. HIRSCHMAN COMPANY, INC., Opposition No. 18,880.

In a decision rendered February 25, 1941 (163 Ms. Dec. 699, 48 U. S. P. Q. 588), *Assistant Commissioner Frazer* reversed the decision of the Examiner of Interferences dismissing the opposition of Sears, Roebuck and Co., of Chicago, Ill., to the application of W. F. Hirschman Co., Inc., of New York City for registration of the word "Hercules" as a trade-mark for "forced draft roof ventilators."

The Assistant Commissioner noted that the opposer pleaded and proved its own prior use of the same mark upon various items of merchandise described in three certificates of registration issued to it, as follows: Certificate No. 111,294, issued July 4, 1916, and renewed, for steam-heat generators. Certificate No. 334,884, issued May 19, 1936, for thermostatically controlled heat regulators. Certificate No. 341,565, issued December 15, 1936, for warm air furnaces, steam boilers, hot water boilers, coal stokers, oil burners, draft inducing blowers, electric, gas and gasoline burning water heaters, kerosene burning water heaters and unit heaters and humidifiers. He ruled that the Examiner erred in holding that none of the goods described in opposer's registrations possess the same descriptive properties as the goods described in the application. The Assistant Commissioner said:

"It is true, as pointed out by the Examiner, that such goods differ materially in many respects, not only as to structure and appearance, but also as to methods of marketing, manner of installation, and class of purchasers usually reached. But I am clearly of the opinion that they all belong to the same general class of merchandise, and are of the same descriptive properties within the meaning of the Trade-Mark Act. Were the marks of the parties even slightly different, I should be inclined to affirm the Examiner; but the registration of 'trade-marks which are identical with a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties' is expressly forbidden by the statute."

DOGGETT-PFEIL COMPANY v. ANDREW WILSON, INC., Opposition No. 18,349.

In a decision rendered February 24, 1941 (163 Ms. Dec. 698, 48 U. S. P. Q. 587), *Assistant Commissioner Frazer* reversed the decision of the Examiner of Interferences sustaining the opposition of Doggett-Pfeil Company of Springfield, N. J., to the application of Andrew Wilson, Inc., of the same place, for registration of the notation "Spi-Tox", the word "Tox" being disclaimed in the application, as a trade-mark for insecticides. Opposer relied upon prior use of the notation "D & P Spra-Tox" as a trade-mark for the same goods.

The Assistant Commissioner noted that it has been judicially determined in the case of *In re Bonide Chemical Co.* (18 C. C. P. A. 909, 46 F.(2d) 705) that "tox" is descriptive of insecticides. He also noted that the opposer had filed an application to register its own mark after the publication of applicant's mark in the OFFICIAL GAZETTE and that during the prosecution of that application the opposer disclaimed the words "Spra-Tox" as descriptive. The Assistant Commissioner ruled that, by reason of the said disclaimer, opposer was estopped to assert in the opposition proceeding that the expression "Spra-Tox" is not descriptive of insecticides.

Quoting the rule of *American Brewing Co.* v. *Delatour Beverage Corporation* (26 C. C. P. A. 778, 100 F.(2d) 253) and applying it to the facts of the case at hand, the Assistant Commissioner stated:

"It must be held that the dominant portion of opposer's mark is the notation 'D & P'; that the dominant portion of applicant's mark is the prefix 'Spi'; and that the words 'Spra-Tox' in opposer's mark and the word 'Tox' in the mark of applicant 'could only in a very minor degree indicate origin of goods' to which the marks are respectively applied. So considered, I am of the opinion that there is no reasonable likelihood of confusion between the marks of the parties, and that the opposition should be dismissed."

OBEAR-NESTER GLASS CO. v. CORNING GLASS WORKS, Cancellation Nos. 2334 and 2335.

In a decision rendered February 28, 1941 (163 Ms. Dec. 702, 48 U. S. P. Q. 590), *Assistant Commissioner Frazer* denied petitions by Corning Glass Works, of Corning, N. Y., respondent in these two cancellation proceedings, seeking a review and reversal of the action of the Examiner of Interferences denying motions that the Examiner's decisions on the merits be vacated, and that respondent be permitted to file supplemental answers to the petitions to cancel filed by the Obear-Nester Glass Co., of St. Louis, Mo., and to submit additional evidence.

It is set forth in the decision, that the respondent in the proposed supplemental answers referred to a suit for trade-mark infringement wherein the petitioner for cancellation, Obear-Nester Glass Co., was the plaintiff, and the respondent, a party defendant, and in which the trade-marks involved were the same as those involved in these cancellation proceedings; that respondent specifically referred to a holding of the Circuit Court of Appeals for the Eighth Circuit, in determining an appeal in that suit, that the trade-marks in question were "not deceptively similar"; and alleged "that by reason of such holding of the Circuit Court of Appeals, the questions presented by the petition for cancellation herein are res adjudicata as against Obear-Nester Glass Company."

On this question of res judicata, the Assistant Commissioner stated:

"It is my understanding that, unless the cause of action is the same, the doctrine of res judicata applies only in cases where the prior judgment relied upon determines the identical issue presented in the subsequent

rction or proceeding. *United Shoe Machinery Corporation* v. *United States*, 258 U. S. 451. Clearly that situation does not maintain here. The suit was for an alleged infringement of the registered trade-mark of Obear-Nester Glass Co. In the cancellation proceedings it is sought to cancel the trade-mark registrations of Corning Glass Works. The question adjudicated by the court and the question before the Patent Office are closely related, but manifestly they are not the same."

In regard to the appeals in these cancellation proceedings, which had been taken but which have not yet been heard, the Assistant Commissioner said:

"What has been said should not be construed to mean that I am unwilling to accord due weight to the opinion of the Circuit Court of Appeals, in so far as it touches the matters here in controversy. On the contrary, I shall give respectful consideration to the views there expressed in deciding the appeals before me."

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 25, 1941

[VOL. 524. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 434,377. "SOMINAR", SOCIEDAD MINERA ARGENTINA, SOCIEDAD ANÓNIMA, Buenos Aires, Argentina. Filed July 26, 1940.



FOR TUNGSTEN MINERALS.
Claims use since April, 1940.

Ser. No. 439,709. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Jan. 15, 1941.



FOR PAPER PULP.
Claims use since Dec. 30, 1940.

Ser. No. 439,819. THE MAUMEE COLLIERIES COMPANY, Terre Haute, Ind. Filed Jan. 21, 1941.

SYCAMORE

FOR COAL.
Claims use since Dec. 26, 1940.

Ser. No. 439,834. FRED RUEPING LEATHER CO., Fond du Lac, Wis. Filed Jan. 21, 1941.

ANLYN

FOR LEATHER.
Claims use since Nov. 22, 1940.

Ser. No. 440,162. J. EDWARD HIBLINE COMPANY, INC., Baltimore, Md. Filed Jan. 31, 1941.

HIOLA

FOR COAL.
Claims use since September, 1927.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 427,556. PINAUD, INCORPORATED, New York, N. Y. Filed Jan. 17, 1940.

SCARLETT

FOR TOILET SOAP.
Claims use since Jan. 10, 1940.

Ser. No. 439,595. THE HALL-WATSON COMPANY, INC., New York, N. Y. Filed Jan. 11, 1941.

TARNEX

FOR RUST AND STAIN REMOVING CLEANSER FOR METALS, STONE, TILE, ENAMEL, PORCELAIN, AND PLUMBING.
Claims use since Dec. 14, 1939.

Ser. No. 439,969. MANHATTAN SOAP COMPANY, INC., New York, N. Y. Filed Jan. 25, 1941.

Garden Bouquet



FOR TOILET SOAP.
Claims use since July 24, 1940.

CLASS 5

ADHESIVES

Ser. No. 440,350. FRANK J. WAGNER, doing business as Zipper Paste Shop, Chicago, Ill. Filed Feb. 5, 1941.

ZIPPER

FOR PASTE.
Claims use since June 8, 1939.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 425,364. PINAUD INCORPORATED, New York, N. Y. Filed Nov. 7, 1939.

Scarlett

FOR EAU DE COLOGNE.
Claims use since July 16, 1937.

Ser. No. 427,988. DEARY AND DEARY, Wallingford, Conn. Filed Nov. 27, 1939.

A & G
I-CLEAN

No claim is made to the notation "I-Clean" apart from the mark.
FOR EYE DROPS.
Claims use since May, 1919.

Ser. No. 429,026. BURROUGH BROS. MFG. COMPANY, Baltimore, Md., and Cleveland, Ohio. Filed Feb. 27, 1940.

LIXZYME

FOR PREPARATION FOR USE AS A DIGESTANT AND ADJUVANT.
Claims use since Jan. 1, 1940.

Ser. No. 429,914. PENNSYLVANIA INDUSTRIAL CHEMICAL CORPORATION, Clairton, Pa. Filed Mar. 23, 1940.

PICCO

FOR COAL TAR SOLVENTS, COAL-DERIVED OILS, COAL-DERIVED COATING SOLUTIONS, COAL-DERIVED RUBBER SOFTENERS, TAR ACIDS, TAR ACID OILS, CRUDE NAPHTHALENE AND OTHER CRUDE COAL-DERIVED CHEMICALS USED IN THE MANUFACTURE OF PAINTS, VARNISHES, RUBBER GOODS, MEDICINES, DISINFECTANTS, ANTISEPTICS, AND INSECTICIDES, AND IN THE MANUFACTURE OF PHTHALIC ANHYDRIDE AND OTHER BASES FOR SYNTHETIC RESINS AND DYES.
Claims use since Feb. 1, 1925.

Ser. No. 434,361. BORIS FELDMAN, New York, N. Y. Filed July 26, 1940.

KRÓLOWA POLSKA
MISS POLAND

The words "Polska" and "Miss Polska" are disclaimed.
FOR LIPSTICK, ROUGE, FACE POWDER, COLD CREAM, SHAMPOO, PERFUMES, HAND CREAM, HAND LOTION, AND HAIR TONIC.
Claims use since July 15, 1940.

Ser. No. 436,202. MARY LOUIS CASH, doing business as Senatine Medicine Company, Mobile, Ala. Filed Sept. 21, 1940.

Senatine

FOR LAXATIVE.
Claims use since Jan. 1, 1934.

Ser. No. 436,325. THE STYRON-BEGGS COMPANY, Newark, Ohio. Filed Sept. 24, 1940.

GREAT
-SEAL-

FOR ADHESIVE TAPE OR OXIDE OF ZINC; ALUM; AMMONIA; ANTISEPTIC SOLUTION; ASPIRIN; BORAX; BORIC ACID; SPIRITS OF CAMPHOR; CAMPHORATED OIL; CASTOR OIL; CHOCOLATE LAXATIVES; SALVE FOR RELIEF OF SYMPTOMS ACCOMPANYING COMMON COLDS; COLD TABLETS; WILD CHERRY COUGH SYRUP; CREAM OF TARTAR; PREPARATION FOR CLEANING DRAIN PIPES; EPSOM SALTS; FLY SPRAY; GLYCERINE; HAARLEM OIL; LINIMENT; TOILET LOTION; MINERAL OIL; MOTH BALLS; SPIRITS OF NITRE; SPIRITS OF PEPPERMINT; PETROLEUM JELLY; PINE TAR; QUININE SULPHATE; ROSE WATER AND GLYCERINE; SALICYLIC ACID; SALTPETRE; SENNA LEAVES; LIQUID SHAMPOO; SULPHUR; SWEET OIL; TOOTH PASTE; TOOTHACHE DROPS; TOOTHACHE GUM; COMPOUND OF BISULPHATE OF SODA AND OTHER INGREDIENTS AND HAVING DISINFECTANT AND GERMICIDAL PROPERTIES AND ADAPTED FOR USE IN CONNECTION WITH TOILET BOWLS AND OTHER FIXTURES; COMPOUND OF LITHOPONE, BENTONITE AND TITANIUM OXIDE AND USED AS A DYE FOR SHOES AND OTHER LEATHER ARTICLES; AND LIQUID FOOD COLORS.
Claims use on chocolate laxatives and fly spray, since August, 1938; and on the remaining items of goods since January, 1896.

Ser. No. 436,422. DORVAL CHEMICAL COMPANY, Brooklyn, N. Y. Filed Sept. 27, 1940.

ZALEEN

FOR MEDICINE TO AID DIGESTIVE DISTURBANCES.
Claims use since June 12, 1940.

Ser. No. 436,423. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Sept. 27, 1940.

APP-L-SET

FOR PREPARATION TO CONTROL THE PRE-HARVEST DROP OF APPLES.
Claims use since July 30, 1940.

Ser. No. 437,063. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Oct. 18, 1940.

PLIOSHEEN

FOR COMPOSITION CONTAINING NO RUBBER FOR WATERPROOFING FABRICS.
Claims use since Aug. 29, 1940.

Ser. No. 437,124. RALPH M. COLVIN, doing business as The Colvin Drug Company, Baltimore, Md. Filed Oct. 21, 1940.

MEDIPURE



No claim is made to the terms "Trade Mark," "Applied For," "Purity" and "Accuracy" apart from the mark.
FOR MEDICINAL AND PHARMACEUTICAL PREPARATIONS—NAMELY, MINERAL OIL, WITCH HAZEL, AND RUBBING ALCOHOL.
Claims use since Jan. 2, 1939.

Ser. No. 437,204. LADY ESTHER, LTD., Chicago, Ill. Filed Oct. 23, 1940.

Lady Esther



7-DAY CREAM

The word "Cream" is disclaimed apart from the mark.
FOR NAIL POLISH OR NAIL ENAMEL.
Claims use since Sept. 4, 1940.

Ser. No. 437,274. DESOTO CHEMICAL COMPANY, Arcadia, Fla. Filed Oct. 25, 1940.

GATOR
ROACH HIVES

No claim is made to the word "Roach" apart from the mark.
FOR PREPARATION TO BE USED FOR THE EXTERMINATION OF ROACHES, SILVERFISH, WATER-BUGS, AND CRICKETS.
Claims use since 1925.

Ser. No. 437,369. THE FOOT COMPANY, New York, N. Y. Filed Oct. 29, 1940.



FOR BOTTLED MEDICAL PREPARATION FOR RELIEF OF ATHLETE'S FOOT.
Claims use since Sept. 10, 1940.

Ser. No. 438,133. MAY W. HICKS, Rocky Mount, N. C. Filed Nov. 22, 1940.



The notation "Comp." is disclaimed apart from the mark.
FOR MEDICINAL COMPOUND USED IN THE TREATMENT OF NEURALGIA, SCIATICA, PNEUMONIA, TYPHOID FEVER, LA GRIPPE, AND INFLUENZA.
Claims use since July 1, 1919.

Ser. No. 438,285. LOUIS F. REINHARDT, doing business as Reinhardt Drug Company, Le Center, Minn. Filed Nov. 27, 1940.



The drawing is lined for red.
FOR FOOT POWDER.
Claims use since Oct. 25, 1940.

Ser. No. 438,352. PARKER HERBEX CORPORATION, Long Island City, N. Y. Filed Nov. 29, 1940.

PARKER HERBEX

FOR PREPARATIONS FOR TREATMENT OF THE SCALP AND HAIR.
Claims use since Nov. 12, 1940.

Ser. No. 438,540. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Dec. 5, 1940.

SOROMINE

FOR PREPARATIONS USED FOR SOFTENING AND DRESSING TEXTILE MATERIALS.
Claims use since Sept. 15, 1931.

Ser. No. 438,935. GIVAUDAN-DELAWANNA, INC., New York, N. Y. Filed Dec. 17, 1940.

TEX-O-DOR

The term "O Dor" is disclaimed apart from the mark.
FOR ODORIFEROUS LIQUID MATERIAL, ODORANT FOR TEXTILE GOODS.
Claims use since Mar. 19, 1931.

Ser. No. 439,187. BARSON BROS. CO., Chicago, Ill. Filed Dec. 26, 1940.

SURGE

FOR LIQUID FLY SPRAY OR INSECTICIDE.
Claims use since Feb. 22, 1940.

Ser. No. 439,739. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y. Filed Jan. 16, 1941.



No claim is made to the word "Niagara" apart from the mark.
FOR CAUSTIC SODA, CAUSTIC POTASH, CARBONATE OF POTASH, BLEACHING POWDER, ORTHODICHLOROBENZENE, PARADICHLOROBENZENE AND CHLORINE PRODUCTS USED FOR BLEACHING, SANITARY PURPOSES, DISINFECTING, STERILIZING AND AS INSECTICIDES AND DEODORANTS.
Claims use since Nov. 5, 1940.

Ser. No. 439,788. YOCOM LABORATORIES, INC., Charlton, Iowa. Filed Jan. 18, 1941.

COLOGNE OF THE MONTH

No claim is made to the word "Cologne" apart from the mark.
FOR COLOGNES.
Claims use since Dec. 19, 1940.

Ser. No. 439,868. SALVATORE GRASSO, Syracuse, N. Y. Filed Jan. 22, 1941.

SALVO-VERO-MIRACOLO



The portrait is that of applicant. The translation of the expression "Salvo-Vero-Miracolo" is "Saves Very Miracle."
FOR MEDICINAL PREPARATION FOR USE IN RELIEVING PAINS OF RHEUMATISM, NEURALGIA, NEURITIS, AND LUMBAGO.
Claims use since Aug. 2, 1940.

Ser. No. 440,262. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Feb. 3, 1941.

HEXAVIBEX

FOR PREPARATION CONTAINING VITAMIN B_6 (PYRIDOXINE HYDROCHLORIDE) FOR USE IN PREVENTION OF DEFICIENCIES OF THIS FACTOR.
Claims use since Jan. 16, 1941.

Ser. No. 440,343. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Feb. 5, 1941.

HYPOBETA

FOR PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, WHETHER FOR ORAL OR PARENTERAL ADMINISTRATION, INCLUDING VITAMIN CONTAINING PREPARATIONS, INCLUDING VITAMIN B COMPLEX.
Claims use since Feb. 3, 1941.

Ser. No. 440,344. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Feb. 5, 1941.

WINATHIAM

FOR TONICS, ELIXIRS, PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, INCLUDING VITAMIN-CONTAINING PREPARATIONS, INCLUDING PREPARATIONS CONTAINING VITAMIN B_1 OR THIAMIN HYDROCHLORIDE INCLUDING MEDICINAL WINE BASE PREPARATIONS CONTAINING VITAMINS.
Claims use since Feb. 3, 1941.

Ser. No. 440,515. CLIFFORD G. LA CROSSE, JR., doing business as Maryland Colloid Co., Baltimore, Md. Filed Feb. 10, 1941.

MEDICOID

FOR EXTERNAL ANTIPHLOGISTIC ADSORBENT FOR ALLAYING PAIN AND REDUCING INFLAMMATION, OR POULTICE MATERIAL.
Claims use since Jan. 28, 1941.

Ser. No. 440,625. GRAY COMPANY, INCORPORATED, Minneapolis, Minn. Filed Feb. 13, 1941.

VITALENE

FOR SOLVENT IN THE FORM OF A LIQUID TO BE USED AS A GUM SOLVENT IN WASHING OUT ENGINES.
Claims use since Feb. 3, 1939.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 439,873. BENJAMIN LIEBOWITZ, New York, N. Y. Filed Jan. 22, 1941.

GLASSCHAUM

FOR SMOKING PIPES AND FILTER BOWLS FOR SUCH PIPES.
Claims use since Jan. 13, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 440,556. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Feb. 11, 1941.

ipi Everyday

FOR PRINTING INKS.
Claims use since April, 1937.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 436,847. GLOBE ROOFING PRODUCTS CO., INC., Chicago, Ill. Filed Oct. 4, 1940.

STONITE

FOR ASPHALT COMPOSITION ROLL SIDING AND ASPHALT SHINGLES.
Claims use since May 1, 1938.

Ser. No. 438,993. PLASTERGON WALL BOARD COMPANY, New York, N. Y. Filed Dec. 18, 1940.

AIRLOK

FOR HEAT INSULATING MATERIALS.
Claims use since Nov. 28, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 436,307. RUSSELL B. KINOMAN, Orange, N. J. Filed Sept. 24, 1940.

ECONOMETER

FOR DISPENSING CLOSURES FOR BOTTLES, JARS, AND THE LIKE.
Claims use since Aug. 6, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 438,232. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y. Filed Nov. 26, 1940.

TUBE-LOY

The word "Tube" is disclaimed apart from the mark.
FOR LEAD ALLOYS.
Claims use since Aug. 15, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 438,510. GREDAG CORPORATION, Niagara Falls, N. Y. Filed Dec. 4, 1940.

GRECOR

FOR MOTOR OILS AND GRAPHITED OILS BOTH COLLOIDAL AND POWDERED INTENDED FOR LUBRICATING PURPOSES.
Claims use since July 3, 1940.

Ser. No. 439,128. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif. Filed Dec. 23, 1940.

SOLUTIZED SHELL

FOR GASOLINE.
Claims use since Dec. 12, 1940.

Ser. No. 440,193. DOUGLAS OIL & REFINING COMPANY, Los Angeles, Calif. Filed Feb. 1, 1941.



The drawing is lined for red and blue. No claim is made to the word "Gasoline" apart from the mark.
FOR GASOLINE AND MOTOR OILS AND GREASES.
Claims use since Jan. 21, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 439,988. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 27, 1941.

DOUBLETS

FOR CIGARETTES.
Claims use since Jan. 8, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 432,236. CHRYSLER CORPORATION, Highland Park, Mich. Filed May 23, 1940.

DE SOTO

FOR AUTOMOBILES AND THEIR STRUCTURAL PARTS.
Claims use since Mar. 30, 1928.

CLASS 21

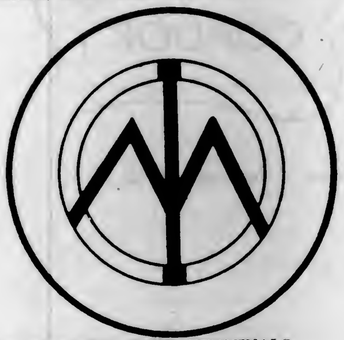
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 382,135. THE OHIO CRANKSHAFT COMPANY, Cleveland, Ohio. Filed Aug. 13, 1936.

TOCCO

FOR ELECTRICAL INDUCTION HEAT TREATING EQUIPMENT FOR INDUCTIVELY HEATING THE SURFACE ZONES OF ARTICLES TO HARDENING TEMPERATURE AND THEREAFTER COOLING THESE ZONES.
Claims use since May 1, 1936.

Ser. No. 431,451. INDUSTRIAL MANUFACTURERS, INC., Elizabeth, N. J. Filed May 1, 1940.



FOR ELECTRIC WIRE TERMINALS.
Claims use since Feb. 1, 1940.

Ser. No. 436,611. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Filed Oct. 3, 1940.

TRU-SPOT

FOR FLASHLIGHTS.
Claims use since Sept. 5, 1940.

Ser. No. 437,556. CONTINENTAL RADIO AND TELEVISION CORP., Chicago, Ill. Filed Nov. 4, 1940.

MAGNA BAND

No claim is made to the word "Band" apart from the mark.
FOR BAND SPREADER FOR RADIO RECEIVING SET.
Claims use since Oct. 18, 1940.

Ser. No. 438,971. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill. Filed Dec. 18, 1940.

AR Autelco Rebuilt

No claim is made to the word "Rebuilt" except as shown.
FOR REBUILT TELEPHONES, REBUILT TELEPHONE PARTS, REBUILT TELEPHONE SWITCHBOARDS, AND REBUILT TELEPHONE SWITCHES.
Claims use since June 21, 1940.

Ser. No. 439,743. ALLIS-CHALMERS MANUFACTURING COMPANY, West Allis, Wis. Filed Jan. 17, 1941.

VARI-AMP

FOR ELECTRICAL APPARATUS COMPRISING VOLTAGE REGULATORS.
Claims use since Dec. 4, 1940.

Ser. No. 439,812. GEORGE T. GREGSON, Spokane, Wash. Filed Jan. 21, 1941.

"Greg's" BUILDER-UPPER

FOR BATTERY CHARGER.
Claims use since June 15, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 440,159. BETTY ILGEN FRITZ, St. Petersburg, Fla. Filed Jan. 31, 1941.

BUTTON-IZE

No claim is made to the word "Button" apart from the mark.
FOR TOY ANIMALS.
Claims use since Dec. 23, 1940.

Ser. No. 440,669. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 14, 1941.

TRUE BLUE

FOR GOLF BALLS.
Claims use since Mar. 21, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

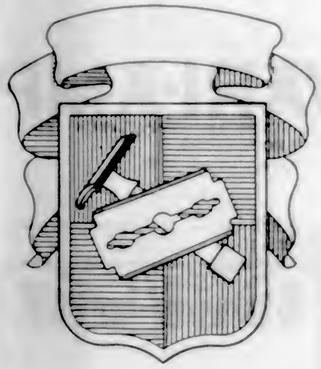
Ser. No. 429,424. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Mar. 9, 1940.

RA-BLOC

FOR MECHANICAL APPARATUS COMPRISING A MOTOR, A CIRCULATING PUMP, HOSE, VALVES, SWITCHES, ADAPTERS AND THE LIKE, MOUNTED WITH TANK ON TRUCK, FOR USE IN REMOVING RUST, SCALE, AND OTHER FOREIGN MATTER FROM AUTOMOTIVE AND SIMILAR COOLING SYSTEMS, SOLD AS A UNIT WITH CHEMICAL CHARGE.

Claims use since Oct. 27, 1939.

Ser. No. 435,732. ROTH-BUCHNER G. M. B. H., Templehof near Berlin, Germany. Filed Sept. 6, 1940.



The drawing is lined for red and blue. The representation of the goods is disclaimed except in connection with the other features of the mark or any of them.

FOR SAFETY RAZORS, BLADES FOR SAFETY RAZORS AND MECHANICAL STROPPING APPARATUS FOR SAID BLADES.

Claims use since Sept. 16, 1937.

Ser. No. 437,332. BITCO, INC., Wallace, Idaho. Filed Oct. 28, 1940.

BITCO

FOR ROCK DRILLING MACHINERY, DRILL STEEL WITH INTEGRAL DRILL BITS, DRILL STEEL SHANKS, DETACHABLE DRILL BITS, PARTS FOR ROCK DRILLING MACHINERY, DRILL BIT SHARPENING MACHINERY, DRILL BIT CLEANING MACHINERY, DRILL BIT TEMPERING EQUIPMENT, DRILL BIT SIZING MACHINERY.

Claims use since Dec. 1, 1938.

Ser. No. 437,731. MOHAWK EXPORT AND IMPORT CORPORATION, Amsterdam, N. Y. Filed Nov. 9, 1940.

Mohawk CUSTOMADE
BALL BEARING WHEELS COMB-CLEANED BRUSH

No claim is made to the words "Ball Bearing Wheels," and "Comb-Cleaned Brush," and "Customade" apart from the mark.

FOR MECHANICAL METAL COVERED CARPET SWEEPER WHICH IS PROPELLED BY HAND POWER.

Claims use since Sept. 1, 1940.

Ser. No. 437,732. MOHAWK EXPORT AND IMPORT CORPORATION, Amsterdam, N. Y. Filed Nov. 9, 1940.

Mohawk CONDOR
BALL BEARING WHEELS COMB-CLEANED BRUSH

The words "Ball Bearing Wheels" and "Comb-Cleaned Brush" are disclaimed.

FOR MECHANICAL METAL COVERED CARPET SWEEPER WHICH IS PROPELLED BY HAND POWER.

Claims use since Sept. 1, 1940.

Ser. No. 437,733. MOHAWK EXPORT AND IMPORT CORPORATION, Amsterdam, N. Y. Filed Nov. 9, 1940.

Mohawk GLIDER
BALL BEARING WHEELS COMB-CLEANED BRUSH

The words "Ball Bearing Wheels" and "Comb-Cleaned Brush" are disclaimed.

FOR MECHANICAL METAL COVERED CARPET SWEEPER WHICH IS PROPELLED BY HAND POWER.

Claims use since Sept. 1, 1940.

Ser. No. 437,734. MOHAWK EXPORT AND IMPORT CORPORATION, Amsterdam, N. Y. Filed Nov. 9, 1940.

Mohawk TIME SAVER
BALL BEARING WHEELS COMB-CLEANED BRUSH

The words "Ball Bearing Wheels" and "Comb-Cleaned Brush" are disclaimed.

FOR MECHANICAL METAL COVERED CARPET SWEEPER WHICH IS PROPELLED BY HAND POWER.

Claims use since Sept. 1, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 438,204. LINCOLN ENGINEERING COMPANY, St. Louis, Mo. Filed Nov. 25, 1940.

LIFE LINE

FOR UPPER CYLINDER LUBRICATOR, CONSISTING IN AN ACCESSORY DEVICE FOR OVERHEAD LUBRICATION OF CYLINDERS IN SUCH MACHINES AS INTERNAL COMBUSTION ENGINES.

Claims use since Nov. 20, 1940.

Ser. No. 438,664. THE PARKERSBURG RIG AND REEL COMPANY, Parkersburg, W. Va. Filed Dec. 9, 1940.

HYDROTARDER

FOR HYDRODYNAMIC BRAKE MECHANISMS FOR VEHICLES, FOR OIL WELL EQUIPMENT, AND FOR COAL MINE SERVICE HOISTS.

Claims use since Nov. 1, 1940.

Ser. No. 438,849. THE MOTO-MOWER COMPANY, Detroit, Mich. Filed Dec. 14, 1940.

Moto-Sweeper

The word "Sweeper" is disclaimed apart from the mark.

FOR POWER SWEEPERS INCLUDING LAWN SWEEPERS, STREET AND SIDEWALK SWEEPERS, SNOW SWEEPERS, AND INDUSTRIAL SWEEPERS.

Claims use since Sept. 1, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 435,506. J. E. MCAULEY MFG. CO., Chicago, Ill. Filed Aug. 29, 1940.

Peerless HY-CANDESCENT ARC LAMP

No claim is made to the words "Peerless", "Candescent", and "Arc Lamp" apart from the mark.

FOR ELECTRIC ARC LAMPS FOR MOTION PICTURE PROJECTORS.

Claims use since July 16, 1940.

Ser. No. 436,932. JORDAN-DUNBAR COMPANY, Los Angeles, Calif. Filed Oct. 14, 1940.

J-D

FOR THERMO-CHRONOGRAPHS.

Claims use since July 1, 1940.

Ser. No. 438,114. MICHAEL BLANK, doing business as Dr. M. Blank, Optometrist, Sioux City, Iowa. Filed Nov. 22, 1940.

"NO-JUR"

FOR SPECTACLES.

Claims use since Aug. 15, 1939.

Ser. No. 438,877. OSCAR GREENBERG, doing business as The Optical Shoppe, Council Bluffs, Iowa. Filed Dec. 16, 1940.



No claim is made to the word "Lens" apart from the mark.

FOR OPTICAL LENSES.

Claims use since July 7, 1940.

Ser. No. 439,114. MERRICK SCALE MFG. CO., Passaic, N. J. Filed Dec. 23, 1940.

FEEDOWEIGHT

FOR WEIGHING APPARATUS—NAMELY, AUTOMATIC WEIGHING APPARATUS, CONTINUOUS WEIGHING APPARATUS, AND AUTOMATIC OR/AND CONTINUOUS WEIGHING APPARATUS COMBINED WITH WEIGHT RECORDING MECHANISM.
Claims use since Aug. 3, 1921.

Ser. No. 439,155. HARRY BURGELEISEN, INC., Brooklyn, N. Y. Filed Dec. 24, 1940.

RESISTAL

FOR GOGGLES.
Claims use since July, 1917.

Ser. No. 439,803. CHARIS CORPORATION, Allentown, Pa. Filed Jan. 21, 1941.



FOR SLIDE RULES FOR USE IN CONNECTION WITH THE GROUPINGS OF VARIOUS TYPES OF CORSETS, COMBINATION CORSET BRASSIÈRES, GIRDLES, AND BRASSIÈRES.
Claims use since Dec. 2, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 438,116. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Nov. 22, 1940.

NIGHT-HAWK

FOR WATCHES—NAMELY, WRIST OR STRAP WATCHES.
Claims use since Sept. 12, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 432,989. SIGMA PHI EPSILON FRATERNITY, Richmond, Va. Filed June 13, 1940.

ΣΦΕ

FOR BELT BUCKLES, COMPACTS, DOOR KNOCKERS, DOOR PLATES, MESH BAGS, AND WATCH CHAIN KEYS, ALL MADE WHOLLY OR PARTLY OF PRECIOUS METAL AND FOR FRATERNITY JEWELRY TO BE WORN ON THE PERSON—NAMELY, BADGES, BRACELETS, CHARMS, CUFF LINKS, PENDANTS, RINGS, STICK PINS, WATCH BANDS, WATCH FOBS, AND WATCH CHAINS; AND FOR TABLE SERVICE—HOLLOW AND FLAT SILVERWARE.
Claims use since 1901.

Ser. No. 437,555. GENEVA HANDY CHRISTENSEN, New Rochelle, N. Y. Filed Nov. 4, 1940.

MINILUME

FOR ILLUMINATED LOCKETS, BROOCHES, AND PENDANTS.
Claims use since Oct. 1, 1940.

Ser. No. 439,735. TOWLE MANUFACTURING COMPANY, Newburyport, Mass. Filed Jan. 18, 1941.

OLD MIRROR

FOR SILVER AND SILVER MOUNTED FLATWARE (IMPLEMENTS WITH A HANDLE OR FINGER HOLD FOR CULINARY, FEEDING, SERVING, OR PERSONAL USE); AND SILVER AND SILVER MOUNTED HOLLOW WARE (VESSELS, PLATES, PLATTERS, CARRIERS, COVERS AND SUPPORTS FOR STORING, HOLDING, OR COVERING FOODS, LIQUIDS, OR COMMODITIES).
Claims use since Sept. 12, 1940.

Ser. No. 439,755. JACOBY BENDER, INC., New York, N. Y. Filed Jan. 17, 1941.

Linda

FOR LADIES' WATCH BRACELETS.
Claims use since Dec. 14, 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 440,059. RAND BROTHERS, New York, N. Y. Filed Jan. 28, 1941.

MADAME POMPADOUR

FOR POWDER PUFFS.
Claims use since Oct. 15, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 435,193. MILDRED M. BEATTY, doing business as Mimi-O-File Company, Albuquerque, N. Mex. Filed Aug. 21, 1940.

MIMI-O-FILE

The word "File" is disclaimed apart from the mark.
FOR MECHANIZED FILING CABINET.
Claims use since Aug. 10, 1940.

Ser. No. 440,470. NORTHERN FURNITURE COMPANY, Sheboygan, Wis. Filed Feb. 8, 1941.



FOR DINING ROOM AND BEDROOM FURNITURE.
Claims use since Feb. 1, 1941.

Ser. No. 440,662. RICH'S, INC., Atlanta, Ga. Filed Feb. 14, 1941.

SLUMBER HOUR

FOR MATTRESSES.
Claims use since Jan. 15, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 420,855. PASQUALE FRICCHIONE, doing business as Simplex Stoker Company, Scranton, Pa. Filed June 23, 1939.

AUTOMATIC SIMPLEX COAL STOKER

The words "Automatic Coal Stoker" are disclaimed apart from the mark.
FOR AUTOMATIC COAL STOKERS.
Claims use since Oct. 26, 1936.

Ser. No. 438,866. CARGOCAIRE ENGINEERING CORPORATION, New York, N. Y. Filed Dec. 16, 1940.



FOR AIR CONDITIONING UNITS.
Claims use since Dec. 15, 1938.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 438,632. J. P. SEEBURG CORPORATION, Chicago, Ill. Filed Dec. 7, 1940.

SELECT-O-MATIC

The word "Select" per se is disclaimed.
FOR COIN CONTROLLED AUTOMATIC RECORD-CHANGING PHONOGRAPHS AND PARTS THEREFOR, INCLUDING COIN-OPERATED AND RECORD-SELECTING REMOTE CONTROL DEVICES THEREFOR.
Claims use since Oct. 1, 1940.

Ser. No. 439,795. AUDIO DEVICES, INC., New York, N. Y. Filed Jan. 21, 1941.

audiopoints

FOR SOUND RECORDING AND SOUND REPRODUCING STYLI.
Claims use since December, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 434,224. THE RAOLIN CORPORATION, New York, N. Y. Filed July 22, 1940.

RAOLIN

FOR COATED PAPERS, PARTICULARLY PAPER COATED WITH RUBBER CHLORIDE COMPOSITIONS.
Claims use since June 29, 1938.

Ser. No. 439,084. BENJAMIN P. WEAVER, doing business as Weaver-Beach Co., Scottsville, N. Y. Filed Dec. 21, 1940.

"RED BIRD"

FOR BLANK PRICE CARDS, TELEPHONE CARDS, AND RECIPE CARDS.
Claims use since Oct. 1, 1940.

Ser. No. 439,169. NASHUA PACKAGE SEALING CO. INC., Nashua, N. H. Filed Dec. 24, 1940.

THRIFTY FIFTY

FOR DEVICES AND APPLIANCES FOR MOISTENING OR DISPENSING ADHESIVE OR GUMMED TAPE, WRAPPERS, LABELS, AND THE LIKE SHEET OR STRIP MATERIAL, PARTICULARLY FOR CONTAINER AND PACKAGE SEALING, WRAPPING, SECURING, LABELING, AND THE LIKE PURPOSES.
Claims use since Sept. 20, 1940.

Ser. No. 439,906. THE SABIN ROBBINS PAPER COMPANY, Cincinnati, Ohio. Filed Jan. 23, 1941.

SAVO

FOR COATED PAPER.
Claims use since May, 1939.

Ser. No. 440,108. ALDINE PAPER COMPANY, INC., New York, N. Y. Filed Jan. 30, 1941.

TEXTILEX

FOR PAPER TO BE USED AS A LINTLESS BLOTTER, FILTER, REINFORCING AGENT, AND LIKE ARTICLES OF PAPER, AND ALSO FOR A FABRIC SUBSTITUTE FOR SUCH USES AS CURTAINS AND DRAPES, VACUUM CLEANER BAGS, IMITATION CHAMOIS, SURGICAL CAPS, SURGICAL MASKS, AND LIKE ARTICLES MADE FROM CLOTH, GAUZE, AND THE LIKE.
Claims use since Mar. 18, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 426,432. BROWN & BIGELOW, St. Paul, Minn. Filed Dec. 11, 1939.

Glo-type

FOR CALENDARS.
Claims use since Nov. 1, 1939.

Ser. No. 431,320. NEW CITY PRINTING CO., Union City, N. J. Filed Apr. 27, 1940.



Applicant disclaims, apart from the mark shown, the representation of a book and all wording except "Engravatone."
FOR BOOKS.
Claims use since Nov. 16, 1938.

Ser. No. 434,524. DOMESTIC ENGINEERING COMPANY, Chicago, Ill. Filed July 31, 1940.

The NEWS

FOR TRADE MAGAZINE PUBLISHED MONTHLY.
Claims use since June 19, 1940.

Ser. No. 438,589. SCULLY-WALTON OXYGEN THERAPY SERVICE, INC., New York, N. Y. Filed Dec. 6, 1940.

The Breath of Life!

FOR MONTHLY PUBLICATION, THE SUBJECT-MATTER OF WHICH IS AUTHORITATIVE INFORMATION RELATING TO THE MEDICAL USES OF OXYGEN AND DESIGNED TO PROMOTE AND SECURE GREATER EFFICIENCY AND ECONOMY IN OXYGEN THERAPY SERVICE.
Claims use since Mar. 7, 1939.

Ser. No. 439,409. CLIMAX MOLYBDENUM COMPANY, New York, N. Y. Filed Jan. 4, 1941.



Applicant disclaims the word "Molybdenum" apart from the mark.
FOR BOOKS, PAMPHLETS, AND CIRCULARS.
Claims use since 1919.

CLASS 39

CLOTHING

Ser. No. 427,457. BONWIT TELLER, INC., New York, N. Y. Filed Jan. 15, 1940.

"STRIPE TEASE"

The word "Stripe" is disclaimed except as shown.
FOR WOMEN'S AND MISSES' BLOUSES; SWEATERS; DRESSES; COATS; SUITS; OUTER SKIRTS; SCARFS; BELTS FOR OUTER WEAR; SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF; HOSIERY, GLOVES MADE OF LEATHER AND FABRIC; AND UNDERWEAR—I. E., SLIPS, PETTICOATS, BRASSIÈRES, GIRDLES, CORSETS, BLOOMERS, AND PANTIES.
Claims use since December, 1939.

Ser. No. 427,497. COLORDINATION GROUP, INC., New York, N. Y. Filed Jan. 16, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

"CORIOLE"

FOR WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HOSIERY, SHOES AND GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND APPAREL BELTS.
Claims use since Jan. 3, 1940.

Ser. No. 427,498. COLORDINATION GROUP, INC., New York, N. Y. Filed Jan. 16, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

"INCA-TERN"

FOR WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, HOSIERY, AND APPAREL BELTS.
Claims use since Jan. 3, 1940.

Ser. No. 427,501. COLORDINATION GROUP, INC., New York, N. Y. Filed Jan. 16, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

"TROPICOLE"

FOR WOMEN'S AND MISSES' SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND APPAREL BELTS.
Claims use since Jan. 3, 1940.

Ser. No. 433,226. PHILCO SHOE CORPORATION, Bangor and Old Town, Maine. Filed June 20, 1940.



PENOBSCOT MOCCASIN

The name "Penobscot" and the word "Moccasin" are disclaimed apart from the mark.
FOR RUBBER SOLED SHOES AND MOCCASINS.
Claims use since June 17, 1940.

Ser. No. 438,077. JOHN C. MACINNES COMPANY, Worcester, Mass. Filed Nov. 20, 1940.

Betty Alden

Betty Alden is the name of the daughter of John Alden and Priscilla Mullins, celebrated in Longfellow's "Courtship of Miles Standish."
FOR WOMEN'S HOSIERY.
Claims use since Oct. 23, 1940.

Ser. No. 438,330. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Nov. 29, 1940.

Controlastic

FOR ELASTIC GARMENTS, PARTICULARLY BATHING SUITS.
Claims use since June 26, 1940.

Ser. No. 438,502. CAROL CRAWFORD, INC., New York, N. Y. Filed Dec. 4, 1940.

"Beau Getter"

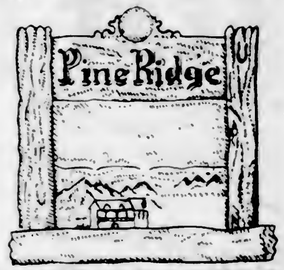
FOR MISSES' DRESSES AND PLAY SUITS.
Claims use since Oct. 11, 1940.

Ser. No. 438,952. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y. Filed Dec. 17, 1940.

Lilees

FOR CORSETS, GIRDLES, AND CORSELETS.
Claims use since Nov. 27, 1940.

Ser. No. 439,073. HIPSH, INC., Kansas City, Mo. Filed Dec. 21, 1940.



FOR MEN'S AND BOYS' SPORTSWEAR—NAMELY, OUTSIDE SHIRTS, INCLUDING DRESS SHIRTS, PANTS, PAJAMAS, JACKETS, PLAY SUITS, SLACKS, SLACK SUITS, SUITS, OVERCOATS, HATS, AND CRAVATS.
Claims use since Dec. 18, 1940.

Ser. No. 439,324. WIMELBACHER & RICE, New York, N. Y. Filed Dec. 31, 1940.

PLATINUM-DOE

No claim is made to the word "Doe" apart from the mark.

FOR LADIES' LEATHER AND FABRIC GLOVES.

Claims use since Nov. 23, 1940.

Ser. No. 439,325. WIMELBACHER & RICE, New York, N. Y. Filed Dec. 31, 1940.

PLATINUM-GLACÉ

No claim is made to the word "Glacé" apart from the mark.

FOR LADIES' LEATHER AND FABRIC GLOVES.

Claims use since Nov. 23, 1940.

Ser. No. 439,391. PHILIP KRONFELD, INC., New York, N. Y. Filed Jan. 3, 1941.

Phil Kronfeld

FOR OVERCOATS, SPORT COATS, SUITS, DRESS SUITS, PANTS, VESTS, HATS, OUTER SHIRTS, POLO SHIRTS, BATH ROBES, DRESSING GOWNS, AND UNDERWEAR, ALL FOR MEN AND YOUNG MEN.

Claims use since 1915.

Ser. No. 439,492. E. P. REED & CO., Rochester, N. Y. Filed Jan. 8, 1941.

Matrix Royale

FOR SHOES MADE OF LEATHER, OR FABRIC, OR OF COMBINATIONS OF LEATHER AND FABRIC.

Claims use since Dec. 13, 1940.

Ser. No. 439,646. AMOSKEAG PAJAMA CO. INC., Boston, Mass. Filed Jan. 14, 1941.

HIPPO SEAT

No claim is made to the word "Seat" used alone.

FOR PAJAMAS FOR MEN AND BOYS.

Claims use since Jan. 4, 1941.

Ser. No. 439,702. OPPENHEIM & BARUCH, INC., New York, N. Y. Filed Jan. 15, 1941.

Barouche



FOR WOMEN'S NECKWEAR—I. E., COLLAR AND CUFF SETS, VESTEES, BIBS, PANELS, AND YOKES.

Claims use since Dec. 27, 1940.

Ser. No. 439,711. WALHAVEN, INC., Cleveland, Ohio. Filed Jan. 15, 1941.



FOR MEN'S, WOMEN'S, AND BOYS' WEARING APPAREL—NAMELY, TOPCOATS, OVERCOATS, RAINCOATS, SPORT COATS, SPORT JACKETS, SHIRTS, AND SPORT SHIRTS.

Claims use since Dec. 1, 1940.

Ser. No. 439,797. H. BOMEE & BRO., Philadelphia, Pa. Filed Jan. 21, 1941.

Breakfast Belle

FOR LADIES' AND MISSES' DRESSES.

Claims use since Jan. 15, 1941.

Ser. No. 439,898. JULIUS KAYSER & CO., New York, N. Y. Filed Jan. 23, 1941.

LUMITONE

FOR LADIES' UNDERWEAR AND NIGHTGOWNS.

Claims use since Jan. 8, 1941.

Ser. No. 439,900. J. H. KIMBALL, INC., New York, N. Y. Filed Jan. 23, 1941.



The word "Handkerchiefs" is disclaimed apart from the mark.

FOR HANDKERCHIEFS.

Claims use since July 1, 1939.

Ser. No. 439,946. C. D. OSBORN CO., Chicago, Ill. Filed Jan. 24, 1941.

THE LASH

FOR GLOVES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.

Claims use since Dec. 27, 1940.

Ser. No. 440,072. TIDY PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 28, 1941.

Tundra-Tex

FOR INFANT'S, CHILD'S, OR YOUTH'S OUTERGARMENT—NAMELY, SNOWSUIT.

Claims use since Jan. 22, 1941.

Ser. No. 440,082. CADILLAC COAT CO. INC., New York, N. Y. Filed Jan. 29, 1941.

Gamboleer

FOR WOMEN'S, MISSES', AND JUNIORS' COATS, SUITS, CAPES, SKIRTS, JACKETS, AND RIDING HABITS.

Claims use since Jan. 28, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 395,816. C. M. DE LAND, New York, N. Y. Filed July 30, 1937.

Tally-ho

FOR PIECE GOODS OF WOOL, WORSTED AND RAYON, AND COMBINATIONS OF THESE FIBRES.

Claims use since July, 1932.

Ser. No. 413,524. THE SCHWARZWAELDER CO., Philadelphia, Pa. Filed Dec. 6, 1938.

TRUSHAPE

FOR PRE-SHRUNK WOOLEN, COTTON, LINEN, SILK, AND RAYON FABRICS IN THE PIECE.

Claims use since Oct. 12, 1938.

Ser. No. 434,223. THE RAOLIN CORPORATION, New York, N. Y. Filed July 22, 1940.

RAOLIN

FOR TREATED FABRICS INCLUDING COTTON, WOOL, SILK, AND RAYON, AND LIKE GOODS IN THE PIECE IMPREGNATED OR OTHERWISE TREATED WITH RUBBER CHLORIDE.

Claims use since Mar. 14, 1938.

Ser. No. 439,821. JOHN MIDDLEMISS, JR., New York N. Y. Filed Jan. 21, 1941.

AMERICAN CROSS

No claim is made to the word "American" apart from the mark.

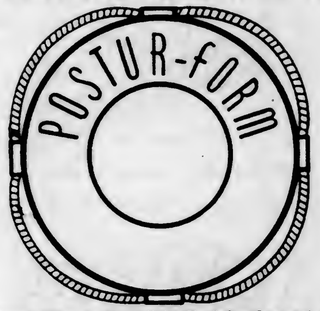
FOR WASH-CLOTHS, TOWELS, CRIB SHEETS, AND BLANKETS.

Claims use since Nov. 22, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 434,057. THE DAMORT CORPORATION, Boston, Mass. Filed July 17, 1940.



The word "Postur-Form" is disclaimed apart from the mark.

FOR CORRECTIVE SHOULDER BRACES.

Claims use since July 9, 1940.

Ser. No. 434,058. THE DAMORT CORPORATION, Boston, Mass. Filed July 17, 1940.



The word "Slenda-Form" is disclaimed apart from the mark.

FOR HEALTH BELTS.

Claims use since July 9, 1940.

Ser. No. 439,707. HARRY P. SIEGEL, Brooklyn, N. Y. Filed Jan. 15, 1941.

XPIRATOR

FOR DENTAL ASPIRATORS.

Claims use since Nov. 4, 1940.

Ser. No. 440,578. CLAIROL, INCORPORATED, Stamford, Conn. Filed Feb. 12, 1941.

Joan Clair

Trade-mark consists of the signature of Joan Clair, president of applicant corporation.

FOR ABSORBENT PADS, CHEMICALLY TREATED PADS, AND CHEMICAL EXOTHERMIC HEATING UNITS FOR PERMANENT WAVING.

Claims use since June 5, 1940.

Ser. No. 440,579. CLAIROL, INCORPORATED, Stamford, Conn. Filed Feb. 12, 1941.

WATER BALANCE

FOR ABSORBENT PADS, CHEMICALLY TREATED PADS, AND CHEMICAL EXOTHERMIC HEATING UNITS FOR PERMANENT WAVING.

Claims use since June 5, 1940.

CLASS 45

BEVERAGES, NONALCOHOLIC

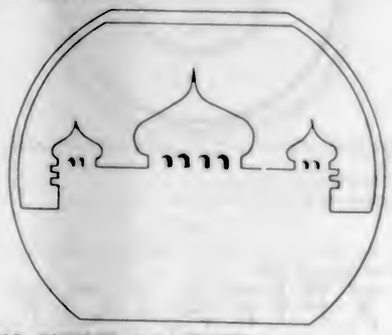
Ser. No. 439,965. FOOTE & JENKS, INC., Jackson, Mich. Filed Jan. 25, 1941.



FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK AND SIRUP AND EXTRACT FOR MAKING THE SAME.

Claims use since Sept. 1, 1940.

Ser. No. 440,567. WHITE ROCK MINERAL SPRINGS COMPANY, New York, N. Y., and Waukesha, Wis. Filed Feb. 11, 1941.



FOR BOTTLED SODA WATER.

Claims use since July, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 430,171. BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed Mar. 30, 1940.



No claim is made to the representation of a label apart from the mark. The drawing is lined, stippled and blacked in to indicate shading and not color.

FOR CANNED FRUITS AND CANNED VEGETABLES.

Claims use since May, 1938.

Ser. No. 430,172. BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed Mar. 30, 1940.

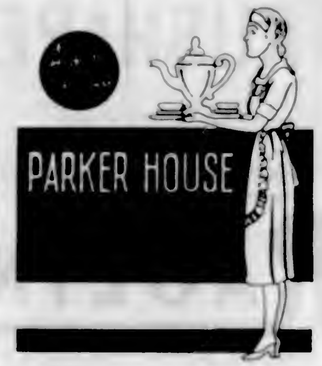


Trade-mark consists of a single arch in which is shown two inner and smaller arches, and a rectangular background having a series of parallel vertical lines. In use the arches show varying shades of green color, but no color is claimed.

FOR CANNED FRUITS, CANNED FRUIT JUICES FOR FOOD PURPOSES, AND CANNED VEGETABLE JUICES FOR FOOD PURPOSES.

Claims use since March, 1936.

Ser. No. 430,202. WHITE KOBRICK COFFEE CORP., New York and Ozone Park, N. Y. Filed Mar. 30, 1940.



The notation "Always Uniform" is disclaimed.

FOR COFFEE, TEA, AND CHOCOLATE.

Claims use since Oct. 1, 1939.

Ser. No. 431,670. AMERICAN BREDDO CORPORATION, New York, N. Y. Filed May 8, 1940.

Golddo

FOR FLOUR, PARTICULARLY A FLOUR WHICH CONTAINS FROM 15% TO 18% VEGETABLE FAT AND A LARGE PERCENTAGE OF LECITHIN AND ALBUMEN, IT BEING A SPECIAL BLEND OF FARINACEOUS PRODUCTS ENRICHED WITH ABOUT 176 U. S. P. UNITS VITAMIN A ACTIVITY (CAROTENE) PER GRAM, ADAPTED FOR USE AS A FLOUR IMPROVER IN MAKING ALL KINDS OF WHITE BREADS, CAKES, COOKIES AND PASTRIES.

Claims use since Mar. 1, 1940.

Ser. No. 435,288. GENERAL PACKING CORPORATION, Brooklyn, N. Y. Filed Aug. 23, 1940.



FOR CANNED DOG AND CAT FOOD.

Claims use since Nov. 9, 1938.

Ser. No. 435,365. MAJOR BRANDS, INC., St. Louis, Mo. Filed Aug. 24, 1940.

GUEST HOUSE

FOR COFFEE, TEA, COCOA, WHEAT FLOUR, CAKE FLOUR, CEREAL BREAKFAST FOODS, GRAPEFRUIT JUICE, TOMATO JUICE, TOMATO CATSUP, CHILI SAUCE, BEANS WITH PORK, EVAPORATED MILK, TABLE SYRUP, MAPLE SYRUP, PEANUT BUTTER, AND CRANBERRY SAUCE.

Claims use since November, 1937.

Ser. No. 437,486. STA-WHIP, INC., Chicago, Ill. Filed Nov. 1, 1940.

STA-WHIP

FOR WHIPPING CREAM STABILIZERS.

Claims use since Sept. 14, 1940.

Ser. No. 438,435. FOODLAND, INC., Cleveland, Ohio. Filed Dec. 2, 1940.



FOR CANNED MEAT PRODUCT CONSISTING OF CHOPPED CURED PORK MEAT WITH SPICES.

Claims use since Nov. 25, 1940.

Ser. No. 438,521. WASHINGTON PACKERS, INC., Sumner, Wash. Filed Dec. 4, 1940.

DEWKIST

Applicant is the owner of trade-mark registration No. 141,315, dated Apr. 19, 1921.

FOR CANNED FRUITS—NAMELY, PEARS, PEACHES, BLACK CHERRIES, ROYAL ANNE CHERRIES, AND PRUNES; FRESH FROZEN FRUITS—NAMELY, PRUNES, RED CHERRIES, BLACK CHERRIES, APRICOTS, AND PEACHES; CANNED VEGETABLES—NAMELY, PEAS, CARROTS, BEETS, WAX BEANS, GREEN BEANS, AND PUMPKIN; FRESH FROZEN VEGETABLES—NAMELY, GREEN BEANS, PUMPKIN, CAULIFLOWER, RHUBARB, BROCCOLI, PEAS AND CARROTS, CORN, PEAS, ASPARAGUS TIPS, SQUASH, LIMA BEANS, SPINACH AND WAX BEANS; FRESH BERRIES—NAMELY, STRAWBERRIES, RED RASPBERRIES, BLACK RASPBERRIES, LOGANBERRIES, YOUNGBERRIES, BOYSENBERRIES, OLYMPIC BERRIES, CURRANTS, AND BUSH BLACKBERRIES; FRESH CULTIVATED EVERGREEN BLACKBERRIES; EVAPORATED BERRIES—NAMELY, CUTHBERT RASPBERRIES, LOGANBERRIES, STRAWBERRIES, CULTIVATED BLACKBERRIES, AND BLACK RASPBERRIES; CANNED BERRIES—NAMELY, CULTIVATED BLACKBERRIES, RED RASPBERRIES, BLACKBERRIES, CURRANTS, BLACK RASPBERRIES, LOGANBERRIES, GOOSEBERRIES, STRAWBERRIES, CUTHBERT RASPBERRIES, YOUNGBERRIES, BOYSENBERRIES, FRESH FROZEN BERRIES—NAMELY, HUCKLEBERRIES, BLACKBERRIES, YOUNGBERRIES, STRAWBERRIES, BLUEBERRIES, GOOSEBERRIES, AND RED RASPBERRIES.

Claims use since June 1, 1918.

Ser. No. 438,617. J. HARVEY GOTT, Scottsbluff, Nebr. Filed Dec. 7, 1940.



The drawing is lined for red and blue.
FOR POTATOES.
Claims use since November, 1939.

Ser. No. 438,914. L. M. WASHBURN, Lindsay, Calif. Filed Dec. 16, 1940.



No claim is made to the representation of the orange and to the word "Vitamins" apart from the mark.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 22, 1940.

Ser. No. 439,110. R. D. KEENE, INC., Winter Garden, Fla. Filed Dec. 23, 1940.

Tast-A-Juice

No claim is made to the word "Juice" apart from the mark.
FOR FRESH ORANGES.
Claims use since Dec. 7, 1940.

Ser. No. 439,139. MURPHY & MURRAY, Grand Forks, N. Dak. Filed Dec. 20, 1940.



The drawing is lined for red and green. No claim is made to the words "Genuine Irish Red River Valley," "Potatoes," "Murphies," "100 lbs. net." "Grown By," or "Grand Forks, N. Dak." apart from the mark.
FOR FRESH POTATOES.
Claims use since Sept. 1, 1939.

Ser. No. 439,240. RIVERA CITRUS ASSOCIATION, Rivera, Calif. Filed Dec. 27, 1940.

IBEX

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 8, 1907.

Ser. No. 439,437. FRANTZ HOME BAKERS, INC., East Liverpool, Ohio. Filed Jan. 6, 1941.

BUTTER-BURGER

The word "Butter" is disclaimed apart from the mark.
FOR SANDWICH ROLL.
Claims use since Dec. 9, 1940.

Ser. No. 439,993. JAMES R. COUNCIL, doing business as Council Company, Norfolk, Va. Filed Jan. 27, 1941.

PEBS

FOR PEANUT BUTTER SANDWICHES.
Claims use since Oct. 3, 1940.

Ser. No. 440,023. ROSS PACKING CO., Selah, Wash. Filed Jan. 27, 1941.

R.P.C.

FOR DEHYDRATED APPLES.
Claims use since 1935.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 437,870. LATROBE BREWING COMPANY, Latrobe, Pa. Filed Nov. 14, 1940.



"33"

FOR BEER, ALE, AND OTHER MALT BEVERAGES.
Claims use since Oct. 9, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 439,727. JAS. E. PEPPER & COMPANY, Lexington, Ky. Filed Jan. 16, 1941.



FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Nov. 30, 1940.

Ser. No. 439,744. AMERICAN SPIRITS, INC., New York, N. Y. Filed Jan. 17, 1941.

BALZAC

FOR APRICOT LIQUEUR.
Claims use since Jan. 2, 1941.

Ser. No. 440,175. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md. Filed Jan. 31, 1941.

ABSENTE REO

FOR WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS.
Claims use since December, 1933.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 438,957. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Dec. 17, 1940.

Krene

FOR WINDOW CURTAINS AND DRAPES OF SYNTHETIC PLASTIC FABRICS; AND SYNTHETIC PLASTIC FABRICS, SHEETING, OR FILM, SUITABLE FOR USE IN THE MANUFACTURE OF WINDOW CURTAINS, DRAPES, AND SHOWER CURTAINS, AND FOR VARIOUS OTHER USES IN THE INDUSTRIAL ARTS.
Claims use since Nov. 12, 1940, as to window curtains and drapes; and since June 17, 1940, on other goods.

Ser. No. 439,729. EVA A. RIESENBURGER, doing business as Proven Products Company, Flushing, L. I., N. Y. Filed Jan. 16, 1941.

DURA-FLEX

FOR RUBBER WATERPROOFED SHEETING IN ROLLS AND IN CUT LENGTHS, AND PILLOW CASES AND MATTRESS COVERS MADE THEREFROM.
Claims use since September, 1939.

Ser. No. 440,058; FRANK POWELL, doing business as Chick Powell Co., Miami, Fla. Filed Jan. 28, 1941.

WORRYBIRD

FOR NOVELTIES AND SOUVENIRS, PARTICULARLY IN THE FORM OF BIRDS.
Claims use since Oct. 1, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 25, 1941

385,911. RADIATOR FLUSH. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 1, 1937. Serial No. 400,341. PUBLISHED JANUARY 7, 1941. Class 6.

385,912. WHEAT GERM OIL FOR USE AS A SUPPLEMENT TO ANIMAL FOODS. VIO BIN CORPORATION, Chicago, Ill.
Filed May 2, 1938. Serial No. 405,947. PUBLISHED SEPTEMBER 17, 1940. Class 6.

385,913. KNITTED OUTERWEAR—NAMELY, SWEATERS AND SWEATER COATS. THE BAMBERGER-REINTHAL COMPANY, Cleveland, Ohio.
Filed July 13, 1938. Serial No. 408,448. PUBLISHED SEPTEMBER 6, 1938. Class 39.

385,914. EMOLLIENT OR LUBRICATING CREAM AND LIQUID FOR CLEANSING AND NOURISHING THE SKIN AS WELL AS A TISSUE BUILDER FOR THE SKIN. BRAYTON C. ZIMMERMAN, West Englewood, N. J.
Filed October 10, 1938. Serial No. 411,477. PUBLISHED DECEMBER 24, 1940. Class 6.

385,915. DENTIFRICE. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed October 17, 1938. Serial No. 411,710. PUBLISHED DECEMBER 31, 1940. Class 6.

385,916. CANNED GREEN BEANS, TOMATOES, LIMA BEANS, CORN, AND PEAS. SHIELD FOODS, INC., Buffalo, N. Y.
Filed October 20, 1938. Serial No. 412,202. PUBLISHED JANUARY 14, 1941. Class 46.

385,917. AUTOMOBILE HOISTS OF THE CLASS OPERATED FOR LIFTING ENTIRE AUTOMOBILES FOR PURPOSE OF SERVICING THEM FROM A FLOOR LEVEL OPERATED HYDRAULICALLY AND ELECTRICALLY. GLOBE HOIST COMPANY, Des Moines, Iowa.
Filed December 14, 1938. Serial No. 413,851. PUBLISHED JANUARY 14, 1941. Class 23.

385,918. TOILET TISSUE. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio.
Filed March 24, 1939. Serial No. 417,464. PUBLISHED JUNE 4, 1940. Class 37.

385,919. DRIED VEGETABLES, COCOANUT, RICE, POP CORN IN ITS NATURAL STATE, AND SOUP MIXTURE CONSISTING OF LENTILS, DRIED PEAS, RICE, AND MACARONI. SAFEWAY STORES, INC., Vernon and Oakland, Calif.
Filed April 10, 1939. Serial No. 418,063. PUBLISHED JANUARY 7, 1941. Class 46.

385,920. WINDMILLS. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill.
Filed April 24, 1939. Serial No. 418,655. PUBLISHED JUNE 20, 1939. Class 23.

385,921. SALVE FOR TREATING BURNS, SUNBURN, SKIN CUTS, BRUISES, ULCERATIONS, AND THE LIKE. VINCENT TORNABENE, Chicago, Ill.
Filed August 7, 1939. Serial No. 422,386. PUBLISHED FEBRUARY 13, 1940. Class 6.

385,922. ENAMEL ADAPTED FOR COATING FINGERNAILS, AND LIPSTICKS. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed September 22, 1939. Serial No. 423,861. PUBLISHED OCTOBER 31, 1939. Class 6.

385,923. ORGANIC SOLVENTS FOR USE IN SPIRIT DUPLICATING PROCESSES. FIRMA "ORMIG" ORGANISATIONSMITTEL G. m. b. H., Berlin-Tempelhof, Germany.
Filed October 25, 1939. Serial No. 424,886. PUBLISHED DECEMBER 17, 1940. Class 6.

385,924. FABRIC SHOES. WILEY-BICKFORD-SWEET CORPORATION, Worcester, Mass.
Filed November 1, 1939. Serial No. 425,127. PUBLISHED JANUARY 14, 1941. Class 39.

385,925. HOSIERY. FONTENELLE MILLS, INC., Kansas City, Mo., now by change of name Fontenelle Hosiery, Inc.
Filed November 8, 1939. Serial No. 425,396. PUBLISHED MARCH 5, 1940. Class 39.

385,926. MEN'S, WOMEN'S, BOYS', AND GIRLS' COATS, RAINCOATS, OVERCOATS, TOPCOATS, JACKETS, AND ULSTERS. MANSBROOKE RAINWEAR CO., doing business as Mansbrooke Clothing Co., Needham Heights, Mass.
Filed November 10, 1939. Serial No. 425,521. PUBLISHED DECEMBER 31, 1940. Class 39.

385,927. HAIR DRESSING PREPARATIONS. MABEL ARKORD ROBINSON, Boston, Mass.
Filed November 15, 1939. Serial No. 425,652. PUBLISHED JULY 30, 1940. Class 6.

385,928. KNITTED SOCKS FOR MEN, KNITTED STOCKINGS FOR MEN AND WOMEN, AND KNITTED ARTICLES OF UNDERCLOTHING FOR MEN. ALLEN SOLLY & COMPANY, LIMITED, London, England.
Filed November 22, 1939. Serial No. 425,876. PUBLISHED DECEMBER 24, 1940. Class 39.

385,929. ACTIVE CARBONACEOUS MATERIAL INTENDED FOR THE DECOLORIZING AND PURIFYING OF WATER-CONTAINING LIQUIDS. INDUSTRIEELE MAATSCHAPPIJ ACTIVIT N. V., Amsterdam, Netherlands.
Filed November 22, 1939. Serial No. 425,893. PUBLISHED JANUARY 14, 1941. Class 6.

385,930. PHONOGRAPH NEEDLES. PERMO PRODUCTS CORPORATION, Chicago, Ill.
Filed December 18, 1939. Serial No. 426,707. PUBLISHED JANUARY 14, 1941. Class 36.

385,931. TERMINAL AND SWITCH BOX FOR ELECTRIC FLOODLIGHTS, ELECTRIC FLASH LIGHTING APPARATUS, ETC. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed December 30, 1939. Serial No. 427,012. PUBLISHED NOVEMBER 19, 1940. Class 21.

385,932. SILK, SATIN, RAYON, AND COTTON FABRICS AND MIXTURES THEREOF, IN THE PIECE. COHN-HALL-MARX CO., New York, N. Y.
Filed January 17, 1940. Serial No. 427,530. PUBLISHED JANUARY 14, 1941. Class 42.

385,933. MEN'S AND BOYS' SPORT SHIRTS, NEGLIGEE SHIRTS, SLACKS, AND PAJAMAS. WILLIAM ATKIN COMPANY, INC., New York, N. Y.
Filed January 18, 1940. Serial No. 427,570. PUBLISHED DECEMBER 31, 1940. Class 39.

385,934. HYDROCARBON LIQUEFIED GAS FUEL FOR USE IN DOMESTIC AND COMMERCIAL GAS GENERATING AND DISPENSING SYSTEMS. SOUTHERN STEEL COMPANY, San Antonio, Tex.
Filed January 23, 1940. Serial No. 427,776. PUBLISHED DECEMBER 24, 1940. Class 6.

385,935. CHICKEN BROTH CUBES. ELFRIEDE FRIESEL, doing business as FRANZ KÜSSNER & CO. Gesellschaft mit beschränker Haftung, Berlin-Neukolln, Germany.
Filed January 25, 1940. Serial No. 427,839. PUBLISHED JANUARY 14, 1941. Class 46.

385,936. HERBAL PLASTER PASTE ADAPTED TO BE USED AS A PLASTER FOR EXTERNAL APPLICATION TO VARIOUS PARTS OF THE BODY FOR THE TREATMENT OF TUBERCULOSIS, BRONCHITIS, ETC. WOODFIN GANO COMPERE, doing business as New Mexico Naturopathic Labs., Albuquerque, N. Mex.
Filed February 21, 1940. Serial No. 428,747. PUBLISHED DECEMBER 24, 1940. Class 6.

385,937. OUTER SHIRTS. C. F. HATHAWAY CO., Waterville, Maine.
Filed March 14, 1940. Serial No. 429,569. PUBLISHED JANUARY 7, 1941. Class 39.

385,938. PREPARATION FOR SOAPLESS DISHWASHING. LEON PERLOFF, doing business as Squirtex Co., Philadelphia, Pa.
Filed March 13, 1940. Serial No. 429,676. PUBLISHED JUNE 4, 1940. Class 4.

385,939. LOCAL ANESTHETICS. THE VAL-O-CAIN CORPORATION, New York, N. Y.
Filed March 19, 1940. Serial No. 429,753. PUBLISHED MAY 28, 1940. Class 6.

385,940. FROCKS FOR WOMEN, MISSES, AND INFANTS. BABY'S BOUDOIR, Portland, Oreg.
Filed April 5, 1940. Serial No. 430,381. PUBLISHED DECEMBER 24, 1940. Class 39.

385,941. CASEIN FOR USE IN BINDING AND WATERPROOFING, LEATHER DRESSINGS, ADHESIVES, GLUES, COATED PAPER, ETC. HERCULES POWDER COMPANY, Wilmington, Del.
Filed April 5, 1940. Serial No. 430,399. PUBLISHED DECEMBER 17, 1940. Class 6.

385,942. NEUTRAL VEHICLE USEFUL AS A SOLVENT OR FLAVORING AGENT FOR MEDICINAL PREPARATIONS. MUTUAL PHARMACAL COMPANY, INC, Syracuse, N. Y.
Filed April 12, 1940. Serial No. 430,693. PUBLISHED JANUARY 14, 1941. Class 6.

385,943. PLANT FOOD. LE ROY KLING, Cedar Rapids, Iowa.
Filed April 19, 1940. Serial No. 430,962. PUBLISHED JUNE 25, 1940. Class 10.

385,944. HEAT TREATED UNIVERSAL JOINTS. CURTIS UNIVERSAL JOINT CO., INC., Springfield, Mass.
Filed April 24, 1940. Serial No. 431,153. PUBLISHED JUNE 18, 1940. Class 23.

385,945. INTESTINAL ALKALIZER, SWINE VERMIFUGE FOR INTESTINAL ROUNDWORMS OR ASCARDS, HEAT STROKE OBSTRUCTOR FOR HORSES AND MULES, ETC. A. AARONS CO., INC., New Orleans, La.
Filed April 27, 1940. Serial No. 431,282. PUBLISHED DECEMBER 24, 1940. Class 6.

385,946. TONICS USED IN THE TREATMENT OF ANEMIA, NERVOUSNESS, LOW BODY RESISTANCE, LOSS OF WEIGHT, AND MALNUTRITION. JOSEPH C. BUTTS, doing business as Butts Pharmaceutical Laboratories, Chicago, Ill.
Filed April 29, 1940. Serial No. 431,343. PUBLISHED OCTOBER 15, 1940. Class 6.

385,947. ROAD OIL DISTRIBUTORS EMBODYING TRUCKS EQUIPPED WITH SUPPLY TANKS, HEATING DEVICES, AND FLUID CONDUCTING SYSTEMS FOR DISTRIBUTING OIL OVER ROAD SURFACES. E. D. ETNYRE & CO., Oregon, Ill.
Filed May 4, 1940. Serial No. 431,550. PUBLISHED JANUARY 14, 1941. Class 23.

385,948. HOSIERY OF VARIOUS SHADES AND COLORS, EXCLUDING ALL BLUE SHADES AND COLORS. ABNER M. ASCHNER, New York, N. Y., assignor to Sapphire Hosiery Corporation, Philadelphia, Pa., a corporation of Pennsylvania.
Filed May 10, 1940. Serial No. 431,754. PUBLISHED JANUARY 7, 1941. Class 39.

385,949. CARTONS OR RECEPTACLES OF PAPER OR CARDBOARD FOR EGGS WHICH ARE SOLD EMPTY IN TRADE. GENERAL MILLS, INC., Minneapolis, Minn.
Filed May 17, 1940. Serial No. 432,028. PUBLISHED JANUARY 14, 1941. Class 2.

385,950. INDIVIDUAL CONTAINERS MADE OF TIN, ALUMINUM, METAL FOIL PACKAGES, GELATIN CAPSULES, ETC. RARE CHEMICALS, INC., Yonkers, N. Y.
Filed May 17, 1940. Serial No. 432,049. PUBLISHED JANUARY 14, 1941. Class 6.

385,951. MACHINES FOR MAKING MOLDS FOR FOUNDING. THE BEARDSLEY & PIPER COMPANY, Chicago, Ill.
Filed May 20, 1940. Serial No. 432,116. PUBLISHED JANUARY 14, 1941. Class 23.

385,952. COSMETICS CONSISTING OF FACE POWDER, ROUGE, FACIAL PACK, COLD CREAM, SKIN ASTRINGENT, OIL FOR SKIN, MASCARA, EYEBROW PENCIL, FRECKLE CREAM. MARYLA DE WILKOWSKA, New York, N. Y.
Filed May 21, 1940. Serial No. 432,181. PUBLISHED DECEMBER 31, 1940. Class 6.

385,953. PARLOR BOARD GAME PLAYED WITH MOVABLE PIECES. MERREL E. HIXSON, Long Beach, Calif.
Filed May 28, 1940. Serial No. 432,443. PUBLISHED JANUARY 14, 1941. Class 22.

385,954. PARLOR BOARD GAME PLAYED WITH MOVABLE PIECES. MERREL E. HIXSON, Long Beach, Calif.
Filed May 28, 1940. Serial No. 432,444. PUBLISHED JANUARY 14, 1941. Class 22.

385,955. RAZORS AND RAZOR BLADES. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y.
Filed May 29, 1940. Serial No. 432,461. PUBLISHED JANUARY 14, 1941. Class 23.

385,956. RAZORS AND RAZOR BLADES. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y.
Filed May 29, 1940. Serial No. 432,462. PUBLISHED JANUARY 14, 1941. Class 23.

385,957. PHARMACEUTICAL PREPARATIONS IN SOLUBLE CONCENTRATED TABLET FORM FOR MAKING DILUTE ANTISEPTIC AND ASTRINGENT LOTIONS FOR HUMAN USE. GEORGE WRIGHT TAYLOR, Leeds, England.
Filed May 29, 1940. Serial No. 432,495. PUBLISHED DECEMBER 17, 1940. Class 6.

385,958. ARTIFICIAL LURES. JAMES H. HAYES, New York, N. Y.
Filed June 5, 1940. Serial No. 432,688. PUBLISHED JANUARY 14, 1941. Class 22.

385,959. DEHYDRATED CASTOR OIL AND MODIFIED DEHYDRATED CASTOR OIL FOR USE IN PAINTS, VARNISHES, ENAMELS, AND LACQUERS. THE BAKER CASTOR OIL COMPANY, New York, N. Y.
Filed June 7, 1940. Serial No. 432,751. PUBLISHED JANUARY 14, 1941. Class 16.

385,960. CHEMO-THERAPEUTIC AGENTS, COMPRISING DERIVATIVES USEFUL FOR COMBATTING INFECTIONS CAUSED BY STREPTOCOCCUS, COCCUS, SPIROCHETES, AND OTHER BACTERIAL ORGANISMS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 22, 1940. Serial No. 433,292. PUBLISHED SEPTEMBER 3, 1940. Class 6.

385,961. INSECTICIDES AND FUNGICIDES. LUCAS KIL-TONE CO., Philadelphia, Pa.
Filed June 25, 1940. Serial No. 433,356. PUBLISHED SEPTEMBER 3, 1940. Class 6.

385,962. CANNED TOMATOES. FATHER & SON WHOLESALE GROCERY CO., Detroit, Mich.
Filed June 26, 1940. Serial No. 433,388. PUBLISHED JANUARY 14, 1941. Class 46.

385,963. CANNED TOMATOES. FATHER & SON WHOLESALE GROCERY CO., Detroit, Mich.
Filed June 26, 1940. Serial No. 433,389. PUBLISHED JANUARY 14, 1941. Class 46.

385,964. SKIRTS PROVIDED WITH A NON-SLIPPING WAISTBAND. LA REINE SPORTSWEAR, INC., New York, N. Y.
Filed July 1, 1940. Serial No. 433,573. PUBLISHED JANUARY 7, 1941. Class 39.

385,965. PREPARATIONS USED FOR THE TREATMENT OF ARTHRITIS, RHEUMATISM, JOINT DISEASES, ALLEVIATION OF PAIN, IMPROVING METABOLISM, AND SIMILAR CONDITIONS. WHITTAKER LABORATORIES, INC., New York, N. Y.
Filed July 2, 1940. Serial No. 433,692. PUBLISHED DECEMBER 24, 1940. Class 6.

385,966. LADIES' LEATHER GLOVES. JULIUS SOBEL, doing business as Splendico, New York, N. Y.
Filed July 9, 1940. Serial No. 433,802. PUBLISHED JANUARY 14, 1941. Class 39.

385,967. VARIOUS KINDS OF BASKETS AND HAMPERS MADE OF STRAW, BRAID, WOOD OR WILLOW. BURLINGTON BASKET COMPANY, Burlington, Iowa.
Filed July 12, 1940. Serial No. 433,881. PUBLISHED JANUARY 14, 1941. Class 2.

385,968. WHEAT FLOUR. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed July 20, 1940. Serial No. 434,180. PUBLISHED JANUARY 14, 1941. Class 46.

385,969. RUBBER COMBS. S & G RUBBER COMPANY, INC., New York, N. Y.
Filed July 24, 1940. Serial No. 434,291. PUBLISHED JANUARY 14, 1941. Class 40.

385,970. RUBBER COMBS. S & G RUBBER COMPANY, INC., New York, N. Y.
Filed July 24, 1940. Serial No. 434,292. PUBLISHED JANUARY 14, 1941. Class 40.

385,971. LINIMENT FOR EXTERNAL USE ONLY—NAMELY, FOR MASSAGING AND RUBBING IN CASES OF RHEUMATISM AND SPRAINS. ARTHUR SECONDER, Pontiac, Mich.
Filed July 24, 1940. Serial No. 434,297. PUBLISHED DECEMBER 24, 1940. Class 6.

385,972. PREPARATIONS INDICATED IN AND FOR THE TREATMENT OF HEADACHES, NEURALGIAS, COUGHS, COLDS, GRIPPE, ETC. THE OCA MEDICINE COMPANY, INC., New York, N. Y.
Filed October 2, 1940. Serial No. 436,577. PUBLISHED DECEMBER 17, 1940. Class 6.

385,973. MEN'S CLOTHING—NAMELY, MEN'S AND BOYS' SUITS AND OVERCOATS. FINSTERWALD CLOTHING COMPANY, Detroit, Mich.
Filed October 2, 1940. Serial No. 436,566. PUBLISHED JANUARY 14, 1941. Class 39.

385,974. FLUID EXTRACT OF VISCUM ALBUM AND CRATAGUS FOR USE IN THE TREATMENT OF HYPERTENSION. S. B. PENICK & COMPANY, New York, N. Y., doing business as Lloyd Brothers, Pharmacists, Inc., Cincinnati, Ohio.
Filed October 3, 1940. Serial No. 436,626. PUBLISHED DECEMBER 17, 1940. Class 6.

385,975. LIQUID PREPARATION CONTAINING COAL TAR, ETHER, ACETONE, CARBON TETRACHLORIDE, AND COLLODION TO BE APPLIED AS A COATING ON THE SKIN FOR LOCAL SKIN INFECTIONS. HAACK BROS. MANUFACTURING PHARMACISTS, Portland, Oreg.
Filed October 4, 1940. Serial No. 436,650. PUBLISHED DECEMBER 17, 1940. Class 6.

385,976. ANTACID TABLETS FOR THE RELIEF OF ACID INDIGESTION. STERLING PRODUCTS (INCORPORATED), Wheeling, W. Va.
Filed October 3, 1940. Serial No. 436,634. PUBLISHED JANUARY 7, 1941. Class 6.

385,977. COMBINATION CIGARETTE LIGHTER, CIGARETTE DISPENSER, AND CONTAINER. MASTERBILT PRODUCTS CORPORATION, New York, N. Y.
Filed October 5, 1940. Serial No. 436,675. PUBLISHED JANUARY 14, 1941. Class 8.

385,978. APRONS. RAND RUBBER COMPANY, INC., Brooklyn, N. Y.
Filed October 5, 1940. Serial No. 436,678. PUBLISHED JANUARY 7, 1941. Class 39.

385,979. LAXATIVE CAPSULES. KIRBY'S DRUG PRODUCTS, Union, S. C.
Filed October 8, 1940. Serial No. 436,727. PUBLISHED JANUARY 7, 1941. Class 6.

385,980. FULL DENTURES, PARTIAL DENTURES, AND A RESIN COMPOUND FOR MANUFACTURING DENTURES. CHARLES E. D'ESSEN, New York, N. Y.
Filed October 9, 1940. Serial No. 436,758. PUBLISHED JANUARY 14, 1941. Class 44.

385,981. TEA, COFFEE, FOOD FLAVORING EXTRACTS, SPICES, AND BAKING POWDER; CHOCOLATE, CANDY, CORN STARCH, SALAD DRESSING, ETC. KELLY, DOUGLAS & CO. LIMITED, Vancouver, British Columbia, Canada.
Filed October 9, 1940. Serial No. 436,771. PUBLISHED JANUARY 14, 1941. Class 46.

385,982. ANTI-MALARIAL PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed July 29, 1940. Serial No. 434,431. PUBLISHED SEPTEMBER 17, 1940. Class 6.

385,983. GARMENT BAGS, SHOE BAGS, UTILITY BOXES FOR USE IN STORING MANY DIVERSE ARTICLES, AS LINENS, CLOTHING, AND THE LIKE, EMPTY TISSUE BOXES, AND ACCESSORY BOXES FOR USE IN STORING MANY DIVERSE ARTICLES, AS GLOVES, HANDKERCHIEFS, SCARVES, AND THE LIKE. JAYHAWK MFG. CO., INC., New York, N. Y.
Filed July 30, 1940. Serial No. 434,492. PUBLISHED JANUARY 14, 1941. Class 2.

385,984. PAPER CUPS AND PAPER BAKING CUPS, PAPER PLATES AND PAPER SALT AND PEPPER SHAKERS. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed July 30, 1940. Serial No. 434,509. PUBLISHED JANUARY 14, 1941. Class 2.

385,985. MEN'S AND BOYS' SPORT COATS, MEN'S SPORT JACKETS, MEN'S AND BOYS' SPORT SUITS. FINSTERWALD CLOTHING COMPANY, Detroit, Mich.
Filed August 1, 1940. Serial No. 434,557. PUBLISHED JANUARY 14, 1941. Class 39.

385,986. CANNED FRUITS AND VEGETABLES, AND CANNED VEGETABLE JUICES. MICHIGAN FRUIT CANNERS, INC., Benton Harbor, Mich.
Filed August 7, 1940. Serial No. 434,755. PUBLISHED JANUARY 14, 1941. Class 46.

385,987. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, SKIRTS, KNICKERBOCKERS, BLOUSES, AND PLAYSUITS. LIDO SPORTSWEAR, INC., New York, N. Y.
Filed August 8, 1940. Serial No. 434,798. PUBLISHED DECEMBER 31, 1940. Class 39.

385,988. GLASS BOTTLES. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed August 9, 1940. Serial No. 434,841. PUBLISHED JANUARY 14, 1941. Class 33.

385,989. PHONOGRAPH RECORDS AND TRANSCRIPTIONS OF MUSICAL AND DRAMATIC PERFORMANCES RECORDED UPON DISCS BY MECHANICAL MEANS, ETC. JACK LEHMAN SCHNETZLER, San Francisco, Calif.
Filed August 10, 1940. Serial No. 434,884. PUBLISHED JANUARY 14, 1941. Class 36.

385,990. NON-LUBRICANT EXTRACTS USED FOR TANNING AND DYEING AND ALSO FOR OIL WELL DRILLING. INTERNATIONAL PRODUCTS CORPORATION, New York, N. Y.
Filed August 14, 1940. Serial No. 434,984. PUBLISHED JANUARY 7, 1941. Class 6.

385,991. SYNTHETIC ORGANIC CHEMICALS INCLUDING AROMATIC HYDROCARBONS SUBSTITUTED ON THE AROMATIC NUCLEUS BY AN ALKYL RADICAL OR RADICALS, AND HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. THE SHARPLES SOLVENTS CORPORATION, Philadelphia, Pa.
Filed August 14, 1940. Serial No. 435,004. PUBLISHED DECEMBER 31, 1940. Class 6.

385,992. THERAPEUTIC PRODUCTS COMPRISING ALTERATIVES, AMEBACIDES, ANALGESICS, ANESTHETICS, ANHIDROTICS, ETC. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed August 14, 1940. Serial No. 435,005. PUBLISHED DECEMBER 31, 1940. Class 6.

385,993. THERAPEUTIC PRODUCTS COMPRISING ALTERATIVES, AMEBACIDES, ANALGESICS, ANESTHETICS, ANHIDROTICS, ETC. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed August 14, 1940. Serial No. 435,006. PUBLISHED DECEMBER 31, 1940. Class 6.

385,994. MEDICINAL PREPARATION USEFUL IN ANEMIAS DUE TO AN IRON DEFICIENCY. VINIRON PRODUCTS COMPANY, Brooklyn, N. Y.
Filed August 17, 1940. Serial No. 435,100. PUBLISHED DECEMBER 31, 1940. Class 6.

385,995. SHAMPOO, SCALP AND HAIR LOTION, FOOT CREAM, AND A COMPOUND TO RELIEVE DISCOMFORTS SUSTAINED FROM BURNS, INSECT BITES, POISON IVY AND OAK, SUNBURN, MOSQUITOES, AND CHIGGERS. TRELAK CO., St. Louis, Mo.
Filed August 19, 1940. Serial No. 435,151. PUBLISHED DECEMBER 17, 1940. Class 6.

385,996. CONDITIONING VITAMIN PREPARATION FOR USE AS A DIETARY SUPPLEMENT IN FEEDING DOGS. WILLIAM COOPER & NEPHEWS, INCORPORATED, Chicago, Ill.
Filed August 21, 1940. Serial No. 435,197. PUBLISHED DECEMBER 31, 1940. Class 6.

385,997. HOSIERY. F. K. WILKINS, Greensboro, N. C.
Filed August 21, 1940. Serial No. 435,230. PUBLISHED DECEMBER 24, 1940. Class 39.

385,998. ICE CREAM AND OTHER FROZEN CONFECTIONS. THE BORDEN COMPANY, New York, N. Y.
Filed August 22, 1940. Serial No. 435,236. PUBLISHED JANUARY 14, 1941. Class 46.

385,999. LADIES' AND MISSES' SWEATERS, SWEATER ENSEMBLES, CONSISTING OF A SWEATER AND SWEATER COAT. BELDOCH-POPPER INC., New York, N. Y.
Filed August 23, 1940. Serial No. 435,276. PUBLISHED DECEMBER 31, 1940. Class 39.

386,000. VANITY CASES CONTAINING ROUGE AND LIPSTICK. LENTHERIC, INCORPORATED, New York, N. Y.
Filed August 23, 1940. Serial No. 435,300. PUBLISHED DECEMBER 24, 1940. Class 6.

386,001. SHAMPOO, ALMOND LOTION, COCOANUT OIL SHAMPOO, HAIR OIL, BRILLIANTINE, SUNTAN OIL, CLEANSING CREAM, COLD CREAM, LEMON POMADE, ROSE POMADE, AND NAIL POLISH REMOVER. PACIFIC DISTRIBUTORS, INC., Los Angeles, Calif.
Filed August 23, 1940. Serial No. 435,312. PUBLISHED DECEMBER 24, 1940. Class 6.

386,002. LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF A DRESS, JACKET, AND COAT. PACKARD DRESSES INC., New York, N. Y.
Filed August 24, 1940. Serial No. 435,372. PUBLISHED DECEMBER 31, 1940. Class 39.

386,003. SOOT AND CARBON SCALE REMOVING CHEMICAL PREPARATION. GARRATT-CALLAHAN CO., Chicago, Ill.
Filed August 30, 1940. Serial No. 435,547. PUBLISHED DECEMBER 24, 1940. Class 6.

386,004. BRILLIANT WHITE VELLUM WITH LEATHER FINISH IN COLORS, PARTICULARLY ADAPTED TO MENUS, COVERS, AND ADVERTISING SPECIALTIES. LEE PAPER COMPANY, Vicksburg, Mich.
Filed August 30, 1940. Serial No. 435,551. PUBLISHED NOVEMBER 5, 1940. Class 37.

386,005. BEER AND ALE. THE CUMBERLAND BREWING COMPANY, Cumberland, Md.
Filed September 3, 1940. Serial No. 435,610. PUBLISHED JANUARY 14, 1941. Class 48.

386,006. DRIED SERUM INTENDED FOR USE IN BIOLOGIC TESTS OR FOR SUBCUTANEOUS, INTERMUSCULAR OR INTRAVENOUS INJECTION, ETC. REICHEL LABORATORIES, Kimberton, Pa.
Filed September 5, 1940. Serial No. 435,691. PUBLISHED JANUARY 7, 1941. Class 6.

386,007. SAIL BOATS AND BOAT SAILS. LIGHTNING CLASS ASSOCIATION, Syracuse, N. Y.
Filed September 6, 1940. Act of February 20, 1905, as amended June 10, 1938. Serial No. 435,700. PUBLISHED JANUARY 14, 1941. Class 19.

386,008. ONE-PIECE AND TWO-PIECE UNDERGARMENTS IN KNITTED OR WOVEN MATERIAL FOR MEN, WOMEN, AND CHILDREN—NAMELY, SHIRTS, DRAWERS, AND UNION SUITS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed September 6, 1940. Serial No. 435,717. PUBLISHED DECEMBER 24, 1940. Class 39.

386,009. WOMEN'S AND CHILDREN'S HOSIERY OF THE ANKLET TYPE. PHOENIX HOSIERY COMPANY, Milwaukee, Wis.
Filed September 6, 1940. Serial No. 435,730. PUBLISHED DECEMBER 24, 1940. Class 39.

386,010. BRANDIES, COGNAC, ANISE, PUNCH, RUM, GIN, AND WHISKY. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain.
Filed September 6, 1940. Serial No. 435,743. PUBLISHED JANUARY 14, 1941. Class 49.

386,011. TIRE TUBE REPAIR KITS, BRAKE LINING SETS, PISTON RING SETS, RADIATOR HOSE, FAN BELTS, AUTOMOBILE TIRES AND TUBES. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed September 9, 1940. Serial No. 435,800. PUBLISHED JANUARY 14, 1941. Class 35.

386,012. MALE SEXUAL HORMONE. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed September 9, 1940. Serial No. 435,816. PUBLISHED DECEMBER 17, 1940. Class 6.

386,013. HOUSEHOLD BLEACH. MARKETS, INC., Oakland, Calif.
Filed September 13, 1940. Serial No. 435,943. PUBLISHED DECEMBER 24, 1940. Class 6.

386,014. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN CONSISTING OF DRESSES, COATS, AND SUITS TRIMMED WITH FUR OR UNTRIMMED, ETC. FRANK & SEDER OF PITTSBURGH, INC., Pittsburgh, Pa.
Filed September 13, 1940. Serial No. 435,937. PUBLISHED JANUARY 14, 1941. Class 39.

386,015. UNDENATURED FUNGUS ANTIGENS USEFUL IN THE TREATMENT OF FUNGUS INFECTIONS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed September 16, 1940. Serial No. 436,021. PUBLISHED DECEMBER 17, 1940. Class 6.

386,016. CARBON PAPER. QUEEN RIBBON & CARBON CO., INC., Brooklyn, N. Y.
Filed September 17, 1940. Serial No. 436,064. PUBLISHED JANUARY 7, 1941. Class 11.

386,017. DEHYDRATED KELP. THE BURT CO., Seattle, Wash.
Filed September 19, 1940. Serial No. 436,112. PUBLISHED DECEMBER 24, 1940. Class 6.

386,018. PREPARATION FOR THE TREATMENT OF COCCIDIOSIS, ROUP, CHOLERA, INTESTINAL WORMS, LIMBER NECK, ALSO FOR BLUE BUGS, STICKTIGHTS, AND LICE, AND FOR MANGE FOR HOGS AND DOGS. HENRY T. MAHONEY, doing business as M. & M. Products Company, Fairview, Okla.
Filed September 19, 1940. Serial No. 436,131. PUBLISHED DECEMBER 17, 1940. Class 6.

386,019. HOSIERY. NORRUD HOSIERY SHOPS, INC., Washington, D. C.
Filed September 19, 1940. Serial No. 436,137. PUBLISHED DECEMBER 24, 1940. Class 39.

386,020. INSECTICIDES. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y.
Filed September 20, 1940. Serial No. 436,164. PUBLISHED DECEMBER 24, 1940. Class 6.

386,021. MEN'S TOPCOATS AND OVERCOATS. ALFRED DECKER & COHN, INC., Chicago, Ill.
Filed September 20, 1940. Serial No. 436,166. PUBLISHED JANUARY 7, 1941. Class 39.

386,022. LIQUID CHEMICAL COMPOUND CONTAINING ETHYL ESTER PARA HYDROXY BENZOIC ACID, ACID BENZOIC, SODIUM BICARBONATE, AND GLYCERINE, DESIGNED FOR USE AS A PRESERVATIVE TO PREVENT RANCIDITY IN OILS. RODELLE LABORATORIES, INCORPORATED, Denver, Colo.
Filed September 21, 1940. Serial No. 436,209. PUBLISHED JANUARY 7, 1941. Class 6.

386,023. FRESH FRUITS—NAMELY, PEARS AND GRAPES. HOLMES BROTHERS, also doing business as Holmes Bros. Bear Creek Orchards, Medford, Oreg.
Filed September 21, 1940. Serial No. 436,216. PUBLISHED JANUARY 14, 1941. Class 46.

386,024. HOUSEHOLD BLEACH. KITCHEN PRODUCTS, INC., Chicago, Ill.
Filed September 21, 1940. Serial No. 436,219. PUBLISHED DECEMBER 24, 1940. Class 6.

386,025. CHILDREN'S AND GIRLS' DRESSES. RAINBOW CHILDREN DRESS CO., New York, N. Y.
Filed September 21, 1940. Serial No. 436,226. PUBLISHED DECEMBER 31, 1940. Class 39.

386,026. CASTER WHEELS FOR FURNITURE CASTER STRUCTURES. FAULTLESS CASTER CORPORATION, Evansville, Ind.
Filed September 23, 1940. Serial No. 436,259. PUBLISHED JANUARY 14, 1941. Class 13.

386,027. LADIES' DRESSES. HARRY H. GREENBERG, INC., New York, N. Y.
Filed September 23, 1940. Serial No. 436,262. PUBLISHED JANUARY 14, 1941. Class 39.

386,028. HOSIERY. KAUMAGRAPH COMPANY, New York, N. Y.
Filed September 23, 1940. Serial No. 436,271. PUBLISHED JANUARY 14, 1941. Class 39.

386,029. GENERAL LAXATIVE. CHARLES PENDLETON MONROE, doing business as Man-O-Ree Products, Greensboro, N. C.
Filed September 26, 1940. Serial No. 436,396. PUBLISHED DECEMBER 17, 1940. Class 6.

386,030. MEN'S FOUR-IN-HAND NECKTIES. SOL SILVERMAN, doing business as Manford Neckwear Co., New York, N. Y.
Filed September 30, 1940. Serial No. 436,527. PUBLISHED DECEMBER 31, 1940. Class 39.

386,031. PREPARATION IN POWDER FORM FOR ALLEVIATING HEADACHES AND NEURALGIA. SMITH BROTHERS DRUG COMPANY, Greensboro and Summerfield, N. C.
Filed October 9, 1940. Serial No. 436,779. PUBLISHED DECEMBER 24, 1940. Class 6.

386,032. PIPE AND DRAIN CLEANING COMPOUND. HUNTINGTON LABORATORIES, INC., Huntington, Ind.
Filed October 10, 1940. Serial No. 436,803. PUBLISHED DECEMBER 31, 1940. Class 6.

386,033. EXTERNAL PREPARATION USED TO RELIEVE PAINS OF MUSCLES, ARTERY, RUPTURES, AND RHEUMATISM. JOHN TOTH, Holy Cross, Ind.
Filed October 10, 1940. Serial No. 436,825. PUBLISHED DECEMBER 24, 1940. Class 6.

386,034. MEN'S OUTER SHIRTS, PAJAMAS, AND NIGHTSHIRTS. HAROLD KAPLAN, New York, N. Y.
Filed October 11, 1940. Serial No. 436,850. PUBLISHED DECEMBER 31, 1940. Class 39.

386,035. TYPEWRITER RIBBONS AND CARBON PAPER. QUEEN RIBBON & CARBON CO., INC., Brooklyn, N. Y.
Filed October 11, 1940. Serial No. 436,857. PUBLISHED JANUARY 7, 1941. Class 11.

386,036. HOP CONCENTRATE. BING BROTHERS, INC., New York, N. Y.
Filed October 12, 1940. Serial No. 436,876. PUBLISHED JANUARY 14, 1941. Class 48.

386,037. GIRLS' SHOES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed October 12, 1940. Serial No. 436,880. PUBLISHED JANUARY 14, 1941. Class 39.

386,038. WATERPROOFING AND CEMENT PAINT. THE GENERAL WATERPROOFING COMPANY, Warren, Ohio.
Filed October 12, 1940. Serial No. 436,888. PUBLISHED JANUARY 14, 1941. Class 16.

386,039. FUR COLLARS. HORNREICH BROS., New York, N. Y.
Filed October 12, 1940. Serial No. 436,893. PUBLISHED DECEMBER 31, 1940. Class 39.

386,040. LADIES' AND MISSES' SLIPS. SAM LANDAU, New York, N. Y.
Filed October 12, 1940. Serial No. 436,895. PUBLISHED DECEMBER 24, 1940. Class 39.

386,041. LADIES' AND MISSES' COATS, SUITS, AND COAT AND SUIT COMBINATIONS, OF WOOLEN AND WORSTED FABRICS. JULIUS NELSON CORP., New York, N. Y.
Filed October 12, 1940. Serial No. 436,902. PUBLISHED DECEMBER 31, 1940. Class 39.

386,042. LIQUID ASPHALT ASBESTOS FIBRE ROOF PAINT, BONDING COAT PAINTS, FOUNDATION COATING PAINTS, VARNISHES, PAINT ENAMELS, AND ROOF PAINTS. GEORGE G. WALTERS, doing business as The Harrison Paint & Varnish Company, Canton, Ohio.
Filed October 12, 1940. Serial No. 436,913. PUBLISHED JANUARY 14, 1941. Class 16.

386,043. HANDBAGS. JULIUS GARFINCKEL & CO., INCORPORATED, Washington, D. C.
Filed October 14, 1940. Serial No. 436,928. PUBLISHED JANUARY 14, 1941. Class 3.

386,044. PHOTOGRAPHIC DEVELOPER SOLUTION. EDWARD R. ADLER, doing business as Fidelity Laboratories, Canton, Ohio.
Filed October 15, 1940. Serial No. 436,953. PUBLISHED DECEMBER 24, 1940. Class 6.

386,045. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, PLAY SUITS, AND BATHING SUITS MADE OF RAYON OR "CELANESE" FABRICS. S. AUGSTEIN & CO., College Point, Long Island, N. Y.
Filed October 15, 1940. Serial No. 436,954. PUBLISHED DECEMBER 24, 1940. Class 39.

386,046. HAIRNETS. DAVID FLEGENHEIMER, doing business as Hairnet Distributing Co., New York, N. Y.
Filed October 15, 1940. Serial No. 436,965. PUBLISHED JANUARY 14, 1941. Class 39.

386,047. FATTY ACIDS AND OTHER FATTY MATERIALS HAVING A GENERAL USE IN LUBRICATING OILS AND GREASES. W. C. HARDESTY COMPANY, INC., New York, N. Y.
Filed October 15, 1940. Serial No. 436,966. PUBLISHED DECEMBER 31, 1940. Class 6.

386,048. MEN'S AND BOYS' OUTER SHIRTS. BARTLAY, LTD., New York, N. Y.
Filed October 16, 1940. Serial No. 436,990. PUBLISHED DECEMBER 31, 1940. Class 39.

386,049. VITAMIN B COMPLEX PREPARATION. BISHOP LABORATORIES, INC., New York, N. Y.
Filed October 17, 1940. Serial No. 437,024. PUBLISHED DECEMBER 24, 1940. Class 6.

386,050. SWEAT SHIRTS. ONEITA KNITTING MILLS, Utica, N. Y.
Filed October 17, 1940. Serial No. 437,044. PUBLISHED DECEMBER 31, 1940. Class 39.

386,051. MEN'S, WOMEN'S, AND CHILDREN'S JACKETS MADE OF A LIGHT WEIGHT CLOSELY TEXTURED FABRIC FOR GENERAL PROTECTION AGAINST WIND, RAIN, AND TEMPERATURE. BORMAN SPORTSWEAR, INC., Johnstown, N. Y.
Filed October 18, 1940. Serial No. 437,055. PUBLISHED JANUARY 7, 1941. Class 39.

386,052. MEDICINAL PREPARATIONS FOR THE TREATMENT OF PILES AND HEMORRHOIDS. PETER CHRISTENSEN, doing business as Phi-lo Laboratories, Spokane, Wash.
Filed October 18, 1940. Serial No. 437,057. PUBLISHED DECEMBER 24, 1940. Class 6.

386,053. ELECTRICAL APPARATUS AND SUPPLIES SUCH AS ELECTRIC INSULATORS AND INSULATOR FITTINGS FOR SUPPORTING ELECTRIC LINE CONDUCTORS. THE OHIO BRASS COMPANY, Mansfield, Ohio.
Filed October 18, 1940. Serial No. 437,071. PUBLISHED JANUARY 14, 1941. Class 21.

386,054. HAIR TONICS. ORA SMITH, Dudley, N. C.
Filed October 18, 1940. Serial No. 437,077. PUBLISHED DECEMBER 24, 1940. Class 6.

386,055. RUBBER SOFTENER WITH ASPHALTIC BASE. THE C. P. HALL COMPANY, Akron, Ohio.
Filed October 19, 1940. Serial No. 437,089. PUBLISHED DECEMBER 24, 1940. Class 6.

386,056. TRACTORS. ISAACSON IRON WORKS, Seattle, Wash.
Filed October 19, 1940. Serial No. 437,091. PUBLISHED JANUARY 14, 1941. Class 23.

386,057. WOMEN'S HATS, FABRIC GLOVES, HOSIERY, HANDKERCHIEFS, COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, JACKETS, SWEATERS, SLIPS, GARTERBELTS, NIGHTDRESSES, AND CHEMISES. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed October 19, 1940. Serial No. 437,106. PUBLISHED JANUARY 14, 1941. Class 39.

386,058. WOMEN'S HATS, BELTS FOR OUTER WEAR, FABRIC GLOVES, HOSIERY, HANDKERCHIEFS, COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, JACKETS, SWEATERS, SLIPS, BRASSIÈRES, GIRDLES, CORSETS, GARTERBELTS, NIGHTDRESSES, AND CHEMISES. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed October 19, 1940. Serial No. 437,107. PUBLISHED JANUARY 14, 1941. Class 39.

386,059. WOMEN'S HATS, BELTS FOR OUTER WEAR, FABRIC GLOVES, HOSIERY, HANDKERCHIEFS, COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, JACKETS, SWEATERS, SLIPS, BRASSIÈRES, GIRDLES, CORSETS, GARTERBELTS, NIGHTDRESSES, AND CHEMISES. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed October 19, 1940. Serial No. 437,108. PUBLISHED JANUARY 14, 1941. Class 39.

386,060. CARBON PAPER. AMERICAN RIBBON AND CARBON CO., INC., Rochester, N. Y.
Filed October 21, 1940. Serial No. 437,114. PUBLISHED JANUARY 7, 1941. Class 11.

386,061. LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND DRESSES. FIBRMAN-KOLMER CO., INC., New York, N. Y.
Filed October 21, 1940. Serial No. 437,128. PUBLISHED JANUARY 7, 1941. Class 39.

386,062. LAXATIVE. FRIENDLY LABORATORIES, Shawnee, Okla.
Filed October 21, 1940. Serial No. 437,129. PUBLISHED DECEMBER 24, 1940. Class 6.

386,063. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed October 21, 1940. Serial No. 437,134. PUBLISHED JANUARY 14, 1941. Class 39.

386,064. ELECTRICAL DISCHARGE APPARATUS—NAMELY, LIGHTNING ARRESTERS IN WHICH A DISCHARGE GAP IS CARRIED IN A PORTABLE INSULATING TUBE. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed October 21, 1940. Serial No. 437,139. PUBLISHED JANUARY 14, 1941. Class 21.

386,065. MEN'S AND BOYS' OUTER SHIRTS AND PANTS. OSHKOSH B'GOSH, INC., Oshkosh, Wis.
Filed October 21, 1940. Serial No. 437,143. PUBLISHED JANUARY 14, 1941. Class 39.

386,066. MEDICINAL BALM OINTMENT AND SALVE USED EXTERNALLY AS A COUNTERIRRITANT IN THE TREATMENT OF RHEUMATISM, NEURITIS, NEURALGIA, HEADACHE, SORE THROAT, ETC. IRENE STULL, doing business as Melas Chemical Company, Ferguson, Mo.
Filed October 21, 1940. Serial No. 437,159. PUBLISHED DECEMBER 31, 1940. Class 6.

386,067. LADIES' AND MISSES' SLIPS AND CAMISOLES, OF SILK, SATIN, RAYON, AND COMBINATIONS THEREOF. MISS SUSAN, INC., New York, N. Y.
Filed October 21, 1940. Serial No. 437,160. PUBLISHED JANUARY 7, 1941. Class 39.

386,068. LAUNDRY BLEACH, LIQUID BLUING, CLEAR AMMONIA, AND CLOUDY AMMONIA. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed October 23, 1940. Serial No. 437,190. PUBLISHED JANUARY 7, 1941. Class 6.

386,069. LIPSTICKS AND LIP ROUGE. EVER-DRY CORPORATION, also doing business as Tipstik Cosmestics, Los Angeles, Calif.
Filed October 23, 1940. Serial No. 437,197. PUBLISHED JANUARY 7, 1941. Class 6.

386,070. LIPSTICKS AND LIP ROUGE. EVER-DRY CORPORATION, also doing business as Tipstik Cosmestics, Los Angeles, Calif.
Filed October 23, 1940. Serial No. 437,198. PUBLISHED JANUARY 7, 1941. Class 6.

386,071. SUITS AND COATS FOR MEN AND BOYS. FRANK LANE, INC., New York, N. Y.
Filed October 23, 1940. Serial No. 437,205. PUBLISHED JANUARY 14, 1941. Class 39.

386,072. MEN'S HATS. BYER-ROLNICK COMPANY, Garland, Tex.
Filed October 25, 1940. Serial No. 437,266. PUBLISHED JANUARY 14, 1941. Class 39.

386,073. HOSIERY. ROBET HOSIERY CO., New York, N. Y.
Filed October 25, 1940. Serial No. 437,287. PUBLISHED JANUARY 14, 1941. Class 39.

386,074. HAIR TONIC AND LOTION. MAURICE K. BRADY, Washington, D. C.
Filed October 26, 1940. Serial No. 437,300. PUBLISHED DECEMBER 31, 1940. Class 6.

386,075. MERCHANDISE VENDING MACHINES. J. P. SEEBURG CORPORATION, Chicago, Ill.
Filed October 28, 1940. Serial No. 437,354. PUBLISHED JANUARY 14, 1941. Class 23.

386,076. PREPARATION FOR THE TREATMENT OF SIMPLE COUGHS AND COLDS. WILLIAM J. WARDALL, trustee for the estate of McKesson & Robbins, Inc., debtor, New York, N. Y.
Filed October 28, 1940. Serial No. 437,357. PUBLISHED DECEMBER 31, 1940. Class 6.

386,077. DOG FOOD. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed October 29, 1940. Serial No. 437,362. PUBLISHED JANUARY 14, 1941. Class 46.

386,078. INDEX DEVICES OF THE TYPE COMPRISING A STACK OF SELECTIVELY SEPARABLE INDEXED SHEETS, PARTICULARLY INDEX DEVICES FOR TELEPHONE NUMBERS, NAMES, AND ADDRESSES, ETC. THE BATES MANUFACTURING COMPANY, West Orange, N. J.
Filed October 30, 1940. Serial No. 437,400. PUBLISHED JANUARY 14, 1941. Class 37.

386,079. COAL. DICKINSON FUEL COMPANY, Charleston, W. Va.
Filed October 30, 1940. Serial No. 437,406. PUBLISHED JANUARY 14, 1941. Class 1.

386,080. TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER FOR USE ON AIRPLANES AND LIGHTER-THAN-AIRCRAFT. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 30, 1940. Serial No. 437,409. PUBLISHED JANUARY 14, 1941. Class 35.

386,081. PERFUME, TOILET WATER, TALCUM, FACE, AND BATH POWDERS, SACHET, LIPSTICK, AND LIP POMADE. LENTHERIC, INCORPORATED, New York, N. Y.
Filed October 30, 1940. Serial No. 437,412. PUBLISHED DECEMBER 17, 1940. Class 6.

386,082. PERFUME, TOILET WATER, AND TALCUM, FACE AND BATH POWDERS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed October 30, 1940. Serial No. 437,413. PUBLISHED DECEMBER 24, 1940. Class 6.

386,083. MEN'S AND YOUNG MEN'S COATS, VESTS, AND TROUSERS. ROSE BROTHERS, New York, N. Y.
Filed October 30, 1940. Serial No. 437,418. PUBLISHED JANUARY 7, 1941. Class 39.

386,084. BOTTLED PHARMACEUTICAL PREPARATIONS BEING FOR INTERNAL AND ALSO FOR EXTERNAL APPLICATION, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed October 30, 1940. Serial No. 437,421. PUBLISHED JANUARY 7, 1941. Class 6.

386,085. CIGARETTE BOXES AND ASH TRAYS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed October 31, 1940. Serial No. 437,436. PUBLISHED JANUARY 14, 1941. Class 8.

386,086. SHOE FILLERS. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 31, 1940. Serial No. 437,439. PUBLISHED JANUARY 14, 1941. Class 1.

386,087. FOOD PRODUCT—NAMELY, VINEGAR. HOUSE OF HERBS, INC., Canaan, Conn.
Filed October 31, 1940. Serial No. 437,443. PUBLISHED JANUARY 14, 1941. Class 46.

386,088. COSMETIC PREPARATION CONTAINING DIGALLIC ACID, ALCOHOL, AND OTHER INGREDIENTS DESIGNED FOR APPLICATION TO THE SKIN TO AID IN ELIMINATING CREPINESS AND TO TIGHTEN THE SKIN. L. R. KALLMAN, doing business as L. R. Kallman & Company, Chicago, Ill.
Filed October 31, 1940. Serial No. 437,445. PUBLISHED JANUARY 7, 1941. Class 6.

386,089. WOMEN'S AND MISSES' SKIRTS. DOROTHEA F. LIVERMORE, Brooklyn, N. Y.
Filed October 31, 1940. Serial No. 437,447. PUBLISHED JANUARY 14, 1941. Class 39.

386,090. MEN'S OVERCOATS, TWO AND THREE PIECE SUITS, HATS, SWEATERS, AND LEATHER, LEATHER AND FABRIC SHOES. L. BAMBERGER & CO., Newark, N. J.
Filed November 1, 1940. Serial No. 437,462. PUBLISHED JANUARY 14, 1941. Class 39.

386,091. COSMETICS—NAMELY, CREAMS AND LOTIONS. MILKMAID, INC., New York, N. Y.
Filed November 1, 1940. Serial No. 437,476. PUBLISHED DECEMBER 17, 1940. Class 6.

386,092. OINTMENT FOR THE RELIEF OF IRRITATIONS, ITCHING OF THE SKIN AND SCALP, DUE TO EXTERNAL CAUSES. THE PHELPS OINTMENT CO., Green Bay, Wis.
Filed November 1, 1940. Serial No. 437,480. PUBLISHED JANUARY 7, 1941. Class 6.

386,093. COAL. WESTERN ARKANSAS COAL COMPANY, Fort Smith, Ark.
Filed November 1, 1940. Serial No. 437,488. PUBLISHED JANUARY 14, 1941. Class 1.

386,094. CIGARS. ARANGO Y ARANGO, Tampa, Fla.
Filed November 2, 1940. Serial No. 437,493. PUBLISHED JANUARY 14, 1941. Class 17.

386,095. CIGARS. ARANGO Y ARANGO, Tampa, Fla.
Filed November 2, 1940. Serial No. 437,495. PUBLISHED JANUARY 14, 1941. Class 17.

386,096. CIGARS. ARANGO Y ARANGO, Tampa, Fla.
Filed November 2, 1940. Serial No. 437,496. PUBLISHED JANUARY 14, 1941. Class 17.

386,097. JUNIOR MISS COATS AND SUITS. THE S. C. KLEIN COMPANY, Cleveland, Ohio.
Filed November 2, 1940. Serial No. 437,515. PUBLISHED JANUARY 7, 1941. Class 39.

386,098. HAND CREAM, PERFUME, COLD CREAM, SKIN CREAM, POMADE, ROUGE, FACE POWDER, BATH SALTS, BRILLIANTINE, NAIL POLISH, AND DEODORANT, TOOTHPASTE, AND SHAMPOO. SIMON KLEINKRAMER, New York, N. Y.
Filed November 2, 1940. Serial No. 437,516. PUBLISHED DECEMBER 24, 1940. Class 6.

386,099. NONMETALLIC TIRES. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa.
Filed November 2, 1940. Serial No. 437,527. PUBLISHED JANUARY 14, 1941. Class 35.

386,100. CLEANER FOR PAINTED SURFACES. CLIFTON A. BARKER, doing business as Barker Chemical Products Co., Los Angeles, Calif.
Filed November 4, 1940. Serial No. 437,546. PUBLISHED JANUARY 14, 1941. Class 4.

386,101. BURIAL CASKETS. THE BATESVILLE CASKET CO., Batesville, Ind.
Filed November 4, 1940. Serial No. 437,548. PUBLISHED JANUARY 14, 1941. Class 2.

386,102. SKIN LOTION. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed November 4, 1940. Serial No. 437,552. PUBLISHED DECEMBER 31, 1940. Class 6.

386,103. DRIED HERBS USED IN MAKING A LAXATIVE TEA. HERB DISTRIBUTORS, Los Angeles, Calif.
Filed November 4, 1940. Serial No. 437,560. PUBLISHED JANUARY 7, 1941. Class 6.

386,104. COUNTERIRRITANT INTENDED AS A RUB FOR SPRAINS, BRUISES AND AS AN INHALATION FOR NASAL IRRITATION FOR COLDS. JOSEPH W. MILLER, doing business as Miller Pharmacy, Skellytown, Tex.
Filed November 4, 1940. Serial No. 437,565. PUBLISHED DECEMBER 24, 1940. Class 6.

386,105. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed November 4, 1940. Serial No. 437,567. PUBLISHED JANUARY 14, 1941. Class 1.

386,106. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed November 4, 1940. Serial No. 437,568. PUBLISHED JANUARY 14, 1941. Class 1.

386,107. CHEMICAL PREPARATION FOR REMOVING ADHESIVE TAPE AND ADHESIVE MASS FROM THE SKIN. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed November 4, 1940. Serial No. 437,580. PUBLISHED JANUARY 7, 1941. Class 6.

386,108. MEN'S AND BOYS' TOPCOATS, OVERCOATS, AND SUITS. H. WEISBERG'S SONS, INC., New York, N. Y.
Filed November 4, 1940. Serial No. 437,587. PUBLISHED JANUARY 7, 1941. Class 39.

386,109. CLEANSING CREAM, FACE POWDER, COLOGNE, SKIN BEAUTIFIER, SPECIAL CLEANSER, ASTRINGENT, SKIN FRESHENER, FOUNDATION CREAM, FACIAL PACK, LIQUID EMOLLIENT AND HAND LOTION. COSMETIC ARTS CO., Los Angeles, Calif.
Filed November 5, 1940. Serial No. 437,590. PUBLISHED JANUARY 7, 1941. Class 6.

386,110. DRINKING CUPS. HERZ MANUFACTURING CORPORATION, New York, N. Y.
Filed November 5, 1940. Serial No. 437,595. PUBLISHED JANUARY 14, 1941. Class 2.

386,111. PREPARATION FOR THE TREATMENT OF CONCRETIONS FORMED IN THE BILIARY PASSAGES AND GALL BLADDER. MELVIN PHILIP ENDERS, doing business as M. P. Enders Laboratory, Detroit, Mich.
Filed November 6, 1940. Serial No. 437,618. PUBLISHED JANUARY 7, 1941. Class 6.

386,112. SPECIALLY PREPARED FORMULA, THE ACTIVE INGREDIENTS OF WHICH ARE ALUM, OAK BARK, ROSIN, AND SODIUM BENZOATE, FOR USE AS A GENERAL TONIC. CURTIS SMITH, doing business as Oza Compound Products, Fort Wayne, Ind.
Filed November 6, 1940. Serial No. 437,633. PUBLISHED DECEMBER 24, 1940. Class 6.

386,113. CHEMICAL ADJUVANTS FOR THE TREATMENT OF FOODS, AND OF SILAGE AND OTHER FEEDS. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed November 7, 1940. Serial No. 437,637. PUBLISHED DECEMBER 24, 1940. Class 6.

386,114. PRINTED PIECE GOODS MADE WHOLLY OR PARTIALLY OF THREAD OR YARN OF ARTIFICIAL ORIGIN. HATTIE CARNEGIE, INC., New York, N. Y.
Filed November 7, 1940. Serial No. 437,644. PUBLISHED JANUARY 14, 1941. Class 42.

386,115. BOYS' SHIRTS, BLOUSES, AND PAJAMAS. LOUIS KARPF & CO. INC., New York, N. Y.
Filed November 7, 1940. Serial No. 437,657. PUBLISHED JANUARY 7, 1941. Class 39.

386,116. OINTMENT FOR THE TREATMENT OF FUNGUS INFECTIONS OF THE SKIN. ALICE PARRY MAEDING, doing business as Parry-May Co., New York, N. Y.
Filed November 7, 1940. Serial No. 437,658. PUBLISHED DECEMBER 24, 1940. Class 6.

386,117. HOT WATER HEATING COILS. NORMAN A. VIERK, La Fayette, Ind.
Filed November 7, 1940. Serial No. 437,670. PUBLISHED JANUARY 14, 1941. Class 34.

386,118. SHEETS AND SHEETINGS. SPRINGS COTTON MILLS, Lancaster, S. C.
Filed November 8, 1940. Serial No. 437,702. PUBLISHED JANUARY 14, 1941. Class 42.

386,119. HARMLESS COMBINATION HERB TEA ADAPTED TO SOOTHE THE NERVES AND PRODUCE RELAXATION. LAWRENCE L. CROSSLEY, Palm Springs, Calif.
Filed November 9, 1940. Serial No. 437,715. PUBLISHED JANUARY 14, 1941. Class 6.

386,120. CARBON PAPER AND INKED RIBBONS. FRED H. MAHLER, doing business as Allen & Company, New York, N. Y.
Filed November 9, 1940. Serial No. 437,727. PUBLISHED JANUARY 14, 1941. Class 11.

386,121. NONMETALLIC TIRES. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa.
Filed November 9, 1940. Serial No. 437,739. PUBLISHED JANUARY 14, 1941. Class 35.

386,122. CANNED FISH. CALIFORNIA MARINE CURING AND PACKING CORP., Terminal Island, Calif.
Filed November 12, 1940. Serial No. 437,757. PUBLISHED JANUARY 14, 1941. Class 46.

386,123. CANNED DOG FOOD. G. CUCCIA & SONS, INC., New York, N. Y.
Filed November 12, 1940. Serial No. 437,760. PUBLISHED JANUARY 14, 1941. Class 46.

386,124. TWO-PASSENGER MOTORCYCLE SEATS. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis.
Filed November 12, 1940. Serial No. 437,768. PUBLISHED JANUARY 14, 1941. Class 19.

386,125. INTRAVENOUS ADMINISTRATION SETS, BLOOD TRANSFUSION SETS, DISPENSERS FOR SOLUTIONS, DISPENSING CAPS FOR ATTACHMENT TO CONTAINERS, ETC. HOSPITAL LIQUIDS, INC., Chicago, Ill.
Filed November 12, 1940. Serial No. 437,769. PUBLISHED JANUARY 14, 1941. Class 44.

386,126. BRANDY. ITALIAN VINEYARD COMPANY, Los Angeles, Calif.
Filed November 12, 1940. Serial No. 437,773. PUBLISHED JANUARY 14, 1941. Class 49.

386,127. TENNIS BALLS. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa.
Filed November 12, 1940. Serial No. 437,782. PUBLISHED JANUARY 14, 1941. Class 22.

386,128. FOOD FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. LESLIE W. WONN, Riverside, Calif.
Filed November 12, 1940. Serial No. 437,793. PUBLISHED JANUARY 14, 1941. Class 46.

386,129. FOOD FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. LESLIE W. WONN, Riverside, Calif.
Filed November 12, 1940. Serial No. 437,794. PUBLISHED JANUARY 14, 1941. Class 46.

386,130. HOSIERY. BEAR BRAND HOSIERY CO., Kankakee and Chicago, Ill.
Filed November 13, 1940. Serial No. 437,803. PUBLISHED JANUARY 7, 1941. Class 39.

386,131. MEDICINAL PREPARATION FOR USE AS AN INHALANT IN NOSE AND THROAT AFFECTIONS. THE FOREST CITY RUBBER COMPANY, Cleveland, Ohio.
Filed November 13, 1940. Serial No. 437,816. PUBLISHED DECEMBER 24, 1940. Class 6

386,132. PIECE GOODS IN SILK AND RAYON OR COMBINATIONS THEREOF. JOSEPH MICHALOVER, INC., New York, N. Y.
Filed November 13, 1940. Serial No. 437,829. PUBLISHED JANUARY 14, 1941. Class 42.

386,133. POISON FOR KILLING SNAILS, SLUGS, SOWBUGS, EARWIGS, CUTWORMS, AND OTHER INSECTS AND GASTROPODS. MIDWAY CHEMICAL Co., Jersey City, N. J.
Filed November 13, 1940. Serial No. 437,830. PUBLISHED DECEMBER 31, 1940. Class 6.

386,134. LADIES' AND MISSES' SHOES AND SLIPPERS, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. H. O. RONDEAU SHOE COMPANY, Farmington, N. H.
Filed November 13, 1940. Serial No. 437,835. PUBLISHED JANUARY 14, 1941. Class 39.

386,135. UPHOLSTERY AND RUG CLEANER. HOUSEHOLD CHEMICAL SALES, INC., Long Island City, N. Y.
Filed October 19, 1940. Serial No. 437,852. PUBLISHED DECEMBER 31, 1940. Class 4.

386,136. NECKTIES. FRANC, STROHMENGER & COWAN, INC., Troy, N. Y.
Filed November 14, 1940. Serial No. 437,861. PUBLISHED JANUARY 14, 1941. Class 39.

386,137. PAJAMAS. MITCHELL BROTHERS INC., New York, N. Y., and Bridgeport, Conn.
Filed November 14, 1940. Serial No. 437,875. PUBLISHED JANUARY 14, 1941. Class 39.

386,138. LIQUID COMPOUND FOR KILLING INSECTS AND A LIQUID ANTIFREEZE COMPOUND FOR USE IN THE RADIATORS IN INTERNAL COMBUSTION ENGINES. THE PENNZOIL COMPANY, Los Angeles, Calif.
Filed November 14, 1940. Serial No. 437,877. PUBLISHED DECEMBER 31, 1940. Class 6.

386,139. WOVEN AND KNITTED PIECE GOODS MADE OF WOOL, RAYON, ALPACA, MOHAIR, SILK, AND COMBINATIONS THEREOF. RAICH & MICHEL, New York, N. Y.
Filed November 14, 1940. Serial No. 437,879. PUBLISHED JANUARY 14, 1941. Class 42.

386,140. ELECTRIC LAMPS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed November 15, 1940. Serial No. 437,894. PUBLISHED JANUARY 14, 1941. Class 21.

386,141. CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC, OR COMBINATION THEREOF. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed November 15, 1940. Serial No. 437,907. PUBLISHED JANUARY 14, 1941. Class 39.

386,142. HAIR WAVING LOTIONS. SALES AFFILIATES, INC., New York, N. Y.
Filed November 15, 1940. Serial No. 437,915. PUBLISHED DECEMBER 31, 1940. Class 6.

386,143. WOMEN'S CLOTHING—NAMELY, DRESSES, SLIPS, PETTICOATS, AND NIGHTGOWNS. M. C. SCHRANK COMPANY, Bridgeton, N. J.
Filed November 15, 1940. Serial No. 437,917. PUBLISHED JANUARY 14, 1941. Class 39.

386,144. COTTON FABRIC HOSE COVERS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed November 15, 1940. Serial No. 437,923. PUBLISHED JANUARY 14, 1941. Class 35.

386,145. COTTON FABRIC HOSE COVERS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed November 15, 1940. Serial No. 437,924. PUBLISHED JANUARY 14, 1941. Class 35.

386,146. LIQUID CONTAINING VITAMINS A, D, AND C FOR USE AS A DIETARY SUPPLEMENT IN THE FEEDING OF CHILDREN. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed November 15, 1940. Serial No. 437,925. PUBLISHED DECEMBER 31, 1940. Class 6.

386,147. PITUITARY PREPARATION FOR USE IN OBSTETRICAL AND SURGICAL CASES. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed November 15, 1940. Serial No. 437,927. PUBLISHED DECEMBER 31, 1940. Class 6.

386,148. BEER, ALE, PORTER, AND STOUT. BARBEY'S INC., Reading, Pa.
Filed November 16, 1940. Serial No. 437,932. PUBLISHED JANUARY 14, 1941. Class 48.

386,149. DETERGENT FOR REMOVING GREASE FROM WALL PAPER AND SIMILAR SURFACES. THE BLOTEX CO., Springfield, Ohio.
Filed November 16, 1940. Serial No. 437,934. PUBLISHED JANUARY 14, 1941. Class 4.

386,150. PLAIN AND PRINTED RAYON AND ACETATE CLOTH IN THE PIECE. CHARMETTE FABRICS CO. INC., New York, N. Y.
Filed November 16, 1940. Serial No. 437,938. PUBLISHED JANUARY 14, 1941. Class 42.

386,151. LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND DRESSES. FIERMAN-KOLMER CO., INC., New York, N. Y.
Filed November 16, 1940. Serial No. 437,941. PUBLISHED JANUARY 14, 1941. Class 39.

386,152. LADIES', MEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. LOUIS MEYERS & SON, INC., New York, N. Y.
Filed November 16, 1940. Serial No. 437,953. PUBLISHED JANUARY 14, 1941. Class 39.

386,153. WOMEN'S AND MISSES' SLIPS. THE PATRICIA PETTICOAT CO., INC., New York, N. Y.
Filed November 16, 1940. Serial No. 437,984. PUBLISHED JANUARY 14, 1941. Class 39.

386,154. MODIFIED STARCHES PREPARED FOR WARP SIZING. CLINTON COMPANY, Clinton, Iowa.
Filed November 18, 1940. Serial No. 437,994. PUBLISHED JANUARY 14, 1941. Class 6.

386,155. ELECTRIC MOTORS. F. A. SMITH MANUFACTURING CO., INC., Rochester, N. Y.
Filed November 18, 1940. Serial No. 438,023. PUBLISHED JANUARY 14, 1941. Class 21.

386,156. PERFUME, COLOGNE, BATH SALTS, AND SACHETS. ARTRA COSMETICS, INC., New York, N. Y., assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey.
Filed November 19, 1940. Serial No. 438,031. PUBLISHED DECEMBER 31, 1940. Class 6.

386,157. DUSTING POWDER. ARTRA COSMETICS, INC., New York, N. Y., assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey.
Filed November 19, 1940. Serial No. 438,032. PUBLISHED DECEMBER 31, 1940. Class 6.

386,158. NAIL POLISH. PEGGY SAGE, INC., Stamford, Conn.
Filed November 19, 1940. Serial No. 438,053. PUBLISHED DECEMBER 31, 1940. Class 6.

386,159. HATS FOR MEN, WOMEN, AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed November 20, 1940. Serial No. 438,097. PUBLISHED JANUARY 14, 1941. Class 39.

386,160. VENT CAPS FOR STORAGE BATTERIES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed November 22, 1940. Serial No. 438,107. PUBLISHED JANUARY 14, 1941. Class 21.

386,161. ANALGESIC TABLETS. THE BISODOL COMPANY, Jersey City, N. J.
Filed November 22, 1940. Serial No. 438,113. PUBLISHED JANUARY 7, 1941. Class 6.

386,162. ADAPTER TYPE FAUCET FILTERS. FILTER-KLEEN MFG. CO. INC., Boston, Mass.
Filed November 22, 1940. Serial No. 438,124. PUBLISHED JANUARY 14, 1941. Class 31.

386,163. CHLORINE-CONTAINING RUBBER COMPOUNDS, INCLUDING RUBBER CHLORIDE AND RUBBER HYDROCHLORIDE. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed November 22, 1940. Serial No. 438,126. PUBLISHED JANUARY 7, 1941. Class 6.

386,164. MATTRESSES, BOX SPRINGS, AND UPHOLSTERED FURNITURE. MALLON MATTRESS CORPORATION, Boston, Mass.
Filed November 22, 1940. Serial No. 438,142. PUBLISHED JANUARY 14, 1941. Class 32.

386,165. PREPARATION FOR THE PROMOTION OF THE GROWTH OF HUMAN HAIR. ROBERT B. FALLENBERG, doing business as R B F Chemical Co., Glendale, Calif.
Filed November 25, 1940. Serial No. 438,201. PUBLISHED JANUARY 7, 1941. Class 6.

386,166. FLOTATION AGENT. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany.
Filed November 27, 1940. Serial No. 438,269. PUBLISHED JANUARY 7, 1941. Class 6.

386,167. COMPOUND TO BE APPLIED TO THE SURFACE OF NONFERROUS METAL TO PREPARE THE SAME FOR PAINTING. INDUSTRIAL CHEMICAL PRODUCTS Co., Detroit, Mich.
Filed November 29, 1940. Serial No. 438,337. PUBLISHED JANUARY 7, 1941. Class 6.

386,168. SOLDERING FLUX. INDUSTRIAL CHEMICAL PRODUCTS Co., Detroit, Mich.
Filed November 29, 1940. Serial No. 438,338. PUBLISHED JANUARY 7, 1941. Class 6.

386,169. DOMESTIC REFRIGERATORS FOR FROZEN FOODS AND SIMILAR PRODUCTS. SCHAEFER, INC., Minneapolis, Minn.
Filed November 29, 1940. Serial No. 438,356. PUBLISHED JANUARY 14, 1941. Class 31.

386,170. MATTRESSES AND BOX SPRINGS. FORT PITT BEDDING COMPANY, Pittsburgh, Pa.
Filed November 30, 1940. Serial No. 438,388. PUBLISHED JANUARY 14, 1941. Class 32.

386,171. MATTRESSES AND BOX SPRINGS. FORT PITT BEDDING COMPANY, Pittsburgh, Pa.
Filed November 30, 1940. Serial No. 438,389. PUBLISHED JANUARY 14, 1941. Class 32.

386,172. PRODUCTS FOR TREATING GASTRO-INTESTINAL DISTURBANCES. WALTER B. NISBET, doing business as W. B. Nisbet Company, Los Angeles, Calif.
Filed November 30, 1940. Serial No. 438,401. PUBLISHED JANUARY 14, 1941. Class 6.

386,173. FRESH VEGETABLES—NAMELY, RAW CARROTS. CHARLES TAXIN Co., Philadelphia, Pa.
Filed February 8, 1940. Serial No. 428,371. PUBLISHED APRIL 23, 1940. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

386,174. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. LORENZ, A. G., Lorenzweg, Germany. Filed Nov. 6, 1937. Serial No. 399,415.

LORENZ

FOR TELEPHONE AND TELEGRAPH APPARATUS, HIGH FREQUENCY GENERATING, RECEIVING, OR TRANSMITTING SYSTEMS FOR ELECTRIC OSCILLATION, ELECTRICALLY CONTROLLED FIRE ALARM APPARATUS, ELECTRIC MOTORS, ELECTRIC GENERATORS, ELECTRICALLY CONTROLLED RAILWAY SIGNALLING APPARATUS, ELECTRIC HARDENING FURNACES.
Claims use since July, 1921.

386,175. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) INTERCONTINENT FORESTRY & RIGHTS CORPORATION, New York, N. Y. Filed Dec. 2, 1938. Serial No. 413,410.



FOR XMAS TREES.
Claims use since Nov. 7, 1938.

386,176. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 23, 1938. Serial No. 414,147.

SILENT GRIP

FOR PNEUMATIC TIRES.
Claims use since Apr. 14, 1939.

386,177. (CLASS 39. CLOTHING.) MAX HOFFMAN, doing business as M. Hoffman & Co., Boston, Mass. Filed Mar. 25, 1939. Serial No. 417,493.

DUBBLEWARE

FOR OVERALLS, JUMPERS, PANTS, SHIRTS, LONG COATS, WHITE DUCK TROUSERS, REEFERS, AND APRONS, FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 1, 1924.

386,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSE DE BARROS, El Centro, Calif. Filed Oct. 20, 1939. Serial No. 424,716.

BARROS SKIN SALVE

FOR SKIN SALVE.
Claims use since Oct. 11, 1939.

386,179. (CLASS 39. CLOTHING.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 21, 1939. Serial No. 424,783.

FASHION BOOK

FOR LADIES' AND MISSES' DRESSES.
Claims use since Oct. 4, 1939.

386,180. (CLASS 39. CLOTHING.) SAKS & COMPANY, New York, N. Y. Filed Dec. 21, 1939. Serial No. 426,818.

TURNCOAT

FOR MISSES' DRESSES AND COATS.
Claims use since Dec. 1, 1939.

386,181. (CLASS 39. CLOTHING.) FRANKLIN SIMON CO. INC., New York, N. Y. Filed Dec. 28, 1939. Serial No. 426,943.

JR assembly SHOP

FOR WOMEN'S, GIRLS', AND MISSES' FURNISHINGS, UNDERGARMENTS, AND CLOTHING—NAMELY, DRESSES, CORSETS, TAILORED SUITS, WALKING SUITS, SPORT SUITS, GOLF SUITS, RIDING SUITS, OUTER AND UNDER SKIRTS, NIGHTGOWNS, PETTICOATS, BODICES, CHEMISES, DRAWERS, COMBINATIONS CONSISTING OF VESTS AND DRAWERS, BATHROBES, SHIRTWAISTS, BATHING SUITS, DRESSING GOWNS, SWEATERS, MUFFLERS, RAINCOATS, SPORT COATS, HATS, CAPS, AND COATS MADE OUT OF TEXTILE MATERIAL; AND DRESSES, CORSETS, TAILORED SUITS, WALKING SUITS, SPORT SUITS, GOLF SUITS, RIDING SUITS, OUTER SKIRTS, NIGHTGOWNS, PETTICOATS, BODICES, CHEMISES, DRAWERS, COMBINATIONS CONSISTING OF VESTS AND DRAWERS, BATHROBES, SHIRTWAISTS, BATHING SUITS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, HATS, AND CAPS MADE OUT OF KNITTED MATERIAL; AND FOR WOMEN'S AND GIRLS' SHOES, BOOTS, SLIPPERS, LEGGINGS, PUTTEES MADE OUT OF LEATHER, RUBBER, CANVAS, BUCKSKIN, OR LINEN, OR COMBINATIONS OR SIMILAR MATERIAL.
Claims use since Dec. 15, 1939.

386,182. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) F. W. MILLER HEATING CO., Chicago, Ill. Filed Dec. 28, 1939. Serial No. 426,955.

MODIFIED STEAMING

FOR LOCOMOTIVE BOILER WASHING, STEAMING TEMPERATURE REFILLING AND CONDITIONING UNITS.
Claims use since Dec. 1, 1939.

386,183. (CLASS 39. CLOTHING.) BERKSHIRE KNITTING MILLS, Wyomissing, Pa. Filed Jan. 11, 1940. Serial No. 427,324.



FOR HOSIERY.
Claims use since Dec. 6, 1939.

386,184. (CLASS 39. CLOTHING.) TIDY PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 12, 1940. Serial No. 427,400.

Speed-A-Part

FOR INFANTS' OR CHILDREN'S OVERGARMENTS—NAMELY, SNOW SUITS.
Claims use since Dec. 20, 1939.

386,185. (CLASS 39. CLOTHING.) TIDY PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 12, 1940. Serial No. 427,401.

Quik-A-Part

FOR INFANTS' OR CHILDREN'S OVERGARMENTS—NAMELY, SNOW SUITS.
Claims use since Dec. 20, 1939.

386,186. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS M. WHITE, Portland, Oreg. Filed Jan. 22, 1940. Serial No. 427,733.

White's OREGON BLOSSOM

FOR HONEY.
Claims use since Dec. 10, 1938.

386,187. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS GILL SOAP COMPANY, INC., New York, N. Y. Filed Feb. 24, 1940. Serial No. 428,872.

GILL'S

FOR MEDICATED CORN, BUNION, AND CALLOUS PADS.
Claims use since Feb. 5, 1940.

386,188. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THOMAS GILL SOAP COMPANY, INC., New York, N. Y. Filed Feb. 24, 1940. Serial No. 428,873.

GILL'S

FOR MEDICATED TOILET AND BATH SOAP.
Claims use since Feb. 5, 1940.

386,189. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OTTO E. KRAUS, New York, N. Y. Filed Mar. 7, 1940. Serial No. 429,309.

SAHARA

FOR RAZOR BLADES.
Claims use since Jan. 23, 1940.

386,190. (CLASS 39. CLOTHING.) PERFECT NEGLIGEE CO., New York, N. Y. Filed Mar. 18, 1940. Serial No. 429,715.

Perfect Negligee

FOR LADIES' AND MISSES' HOUSECOATS, NEGLIGEES, AND PAJAMAS.
Claims use since Mar. 1, 1921.

386,191. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER CORPORATION, Appleton, Wis. Filed Mar. 26, 1940. Serial No. 429,973.

Tru-Opaque

FOR BOND PAPER AND LEDGER PAPER.
Claims use since Feb. 10, 1940.

386,192. (CLASS 39. CLOTHING.) DAVID KORN & CO. INC., New York, N. Y. Filed July 6, 1940. Serial No. 433,741.

MOULDER

FOR LADIES' APPAREL COMPRISING SLIPS, CHEMISES, DANCE SETS, NIGHTGOWNS, PAJAMAS, PETTICOATS, BED SACQUES, PANTIES, SHORTS, AND "BRIEFS."
Claims use since Jan. 15, 1940.

386,193. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLMES BROS'. BEAR CREEK ORCHARDS, Medford, Oreg. Filed July 29, 1940. Serial No. 434,440.

"So Big and Juicy, You Eat Them with a Spoon"
HOLMES BROS. BEAR CREEK ORCHARDS

FOR FRESH PEARS.
Claims use since Sept. 19, 1936.

386,194. (CLASS 39. CLOTHING.) ISIDORE GROSSMAN, New York, N. Y. Filed Aug. 3, 1940. Serial No. 434,643.

Austin Leeds STYLIZED

FOR MEN'S AND BOYS' SUITS, OVERCOATS, AND TOP COATS.
Claims use since Jan. 16, 1940.

386,195. (CLASS 39. CLOTHING.) THE S. C. KLEIN COMPANY, Cleveland, Ohio. Filed Aug. 8, 1940. Serial No. 434,793.

Korrect

FOR LADIES' COATS AND SUITS.
Claims use since Jan. 1, 1940.

386,196. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN BAER, Chicago, Ill. Filed Oct. 30, 1940. Serial No. 437,399.

Baer

FOR SCALP CREAM.
Claims use since Dec. 30, 1939.

386,197. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN A. WOOD, doing business as Pikle-Rite Company, not Inc., Chicago, Ill. Filed Oct. 31, 1940. Serial No. 437,460.

KRAKOWSKIE

FOR BOTTLED CUCUMBER PICKLES.
Claims use since September, 1939.

386,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN A. WOOD, doing business as Pikle-Rite Company, not Inc., Chicago, Ill. Filed Oct. 31, 1940. Serial No. 437,461.

POLISH

FOR BOTTLED CUCUMBER PICKLES.
Claims use since July, 1936.

386,199. (CLASS 39. CLOTHING.) WASHINGTON MANUFACTURING COMPANY, Nashville, Tenn. Filed Nov. 16, 1940. Serial No. 437,982.

DEER CREEK

FOR WORK CLOTHING—NAMELY, WORK SHIRTS, WORK PANTS, OVERALLS; AND SPORTSWEAR—NAMELY, ZIPPER JACKETS, BOOT BREECHES, SWEATERS, SLACKS, SPORT SHIRTS, AND PLAY-SUITS.
Claims use since August, 1938.

386,200. (CLASS 39. CLOTHING.) DUMONT KNITTING MILLS, INC., New York, N. Y. Filed Nov. 23, 1940. Serial No. 438,173.

Hold-Tite

FOR KNITTED CUFFS.
Claims use since Oct. 1, 1939.

386,201. (CLASS 39. CLOTHING.) COOPER'S, INCORPORATED, Kenosha, Wis. Filed Dec. 7, 1940. Serial No. 438,612.

OVER-KNEE

FOR MEN'S AND BOYS' UNDERWEAR.
Claims use since Jan. 9, 1939.

386,202. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y., and Wheeling, W. Va. Filed Dec. 13, 1940. Serial No. 438,805.

WEST VIRGINIA

Applicant is the owner of registration No. 384,040 issued Dec. 31, 1940.
FOR BACON.
Claims use since Apr. 24, 1937.

386,203. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FUNK BROS. SEED CO., Bloomington, Ill. Filed Dec. 14, 1940. Serial No. 438,836.

FUNK'S

FOR SOYBEAN MEAL USED AS A FOOD FOR ANIMALS OR POULTRY.
Claims use since 1924.

386,204. (CLASS 39. CLOTHING.) MAX HELLMAN, doing business as Hellman & Hellman, New York, N. Y. Filed Dec. 18, 1940. Serial No. 438,985.

GENUINE Helmsdale Tweed TRADE MARK VIRGIN PURE WOOLS

FOR WOMEN'S AND MISSES' DRESSES, BLOUSES, SKIRTS, PLAYSUITS, AND CULOTTES MADE OF WOOLEN AND WORSTED FABRICS.
Claims use since May 17, 1937.

386,205. (CLASS 39. CLOTHING.) KEN COATS, INC., New York, N. Y. Filed Dec. 19, 1940. Serial No. 439,023.

Wales-London

FOR LADIES' AND MISSES' COATS, SUITS, CAPES, JACKETS, AND SUIT ENSEMBLES.
Claims use since June 1, 1939.

TRADE-MARK REGISTRATIONS RENEWED

136,765. **MODJESKA.** CANDY—NAMELY, CARAMELS. Registered November 9, 1920. BUSATH'S CANDY SHOP, INC. Renewed November 9, 1940, to Busath's Candy Shop, Louisville, Ky., a firm, assignee.

138,246. **SPRUSTEX.** POLISH FOR FURNITURE, AUTOMOBILES, FLOORS, WOODWORK, ETC. Registered December 21, 1920. THE GEM HAMMOCK & FLY NET COMPANY. Renewed December 21, 1940, to Gem Hammock & Fly Net Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

139,499. **LITTLE INJUN.** CERTAIN NAMED CUTLERY AND TABLE FLAT-WARE MADE OF BASE METAL. Registered February 8, 1921. CATTARAUGUS CUTLERY COMPANY, Little Valley, N. Y., a corporation of New York. Renewed February 8, 1941.

139,500. **LITTLE INJUN.** RAZOR-STROPS AND RAZOR-HONES. Registered February 8, 1921. CATTARAUGUS CUTLERY COMPANY, Little Valley, N. Y., a corporation of New York. Renewed February 8, 1941.

139,544. **ERA.** STEEL CASTINGS AND FORGINGS OF STANDARD AND SPECIAL SHAPES. Registered February 8, 1921. HADFIELDS LIMITED, Sheffield, England, an organized company of Great Britain and Northern Ireland. Renewed February 8, 1941.

140,017. **RED WING.** CERTAIN NAMED FOODS. Registered March 1, 1921. THE RED WING COMPANY, INC., Fredonia, N. Y. Renewed March 1, 1941, to The Red Wing Company, Inc., Chicago, Ill., and Fredonia, N. Y., a corporation of Maine, successor.

140,099. **COR-CO-LITE.** CERTAIN NAMED ELECTRIC LAMPS. Registered March 8, 1921. THE THOS. J. CORCORAN LAMP COMPANY, Cincinnati, Ohio. Renewed March 8, 1941, to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio, assignee.

140,197. **OUR BRAND.** CANNED FRUITS AND CANNED VEGETABLES. Registered March 8, 1921. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Renewed March 8, 1941.

140,357. **HIGHLAND.** LUBRICANTS FOR FIBERS PREPARATORY TO SPINNING. Registered March 15, 1921. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed March 15, 1941, to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware, assignee by mesne assignments.

140,496. **REPRESENTATION OF A WOMAN.** OLIVE-OIL. Registered March 15, 1921. P. MONTEVERDE & Co. Renewed March 15, 1941, to Monteverde & Parodi, Inc., San Francisco, Calif., a corporation of California, successor.

140,917. **NORTON.** GRANULAR ABRASIVE MATERIAL. Registered March 29, 1921. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed March 29, 1941.

141,199. **PEPPERELL.** COTTON PIECE GOODS. Registered April 12, 1921. PEPPERELL MANUFACTURING COMPANY. Renewed April 12, 1941, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts, assignee.

141,556. **ROYAL.** CERTAIN NAMED ELECTRICAL APPARATUS. Registered April 26, 1921. THE P. A. GEIER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 26, 1941.

141,704. **KER-ENE.** A CERTAIN NAMED TOILET AND MEDICINAL PREPARATION. Registered April 26, 1921. ULTRA REFINED CRUDE PRODUCTS COMPANY. Renewed April 26, 1941, to D. O. Welty, Chicago, Ill., successor.

141,830. **PLANET JR.** TRACTORS AND MOTOR-DRAWN AND MOTOR-DRIVEN TILLING IMPLEMENTS AND PARTS THEREOF. Registered May 3, 1921. S. L. ALLEN & Co., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 3, 1941.

142,106. **REMINGTON.** POCKET-KNIVES AND BAYONETS. Registered May 3, 1921. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Swanton, Vt., Ilion, and New York, N. Y. Renewed May 3, 1941, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware.

142,107. **REMINGTON.** POCKET-KNIVES AND BAYONETS. Registered May 3, 1921. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Swanton, Vt., Ilion, and New York, N. Y. Renewed May 3, 1941, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware.

142,321. **QUAKER QUAKIES.** CORN FLAKES. Registered May 10, 1921. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed May 10, 1941.

142,448. **DELTAR.** OPHTHALMIC LENSES. Registered May 17, 1921. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y., a corporation of New York. Renewed May 17, 1941.

142,475. **BANNER.** PLAIN-LAID THREE OR FOUR STRAND ROPE MADE FROM MANILA, SISAL, OR ISTLE FIBERS OR A MIXTURE OF THESE. Registered May 17, 1921. COLUMBIAN ROPE COMPANY, Auburn, N. Y., a corporation of New York. Renewed May 17, 1941.

143,436. **REMINGTON UMC.** POCKET-KNIVES. Registered May 31, 1921. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Ilion, N. Y., Swanton, Vt., and New York, N. Y. Renewed May 31, 1941, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware.

143,437. **REMINGTON UMC.** POCKET-KNIVES. Registered May 31, 1921. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Ilion, N. Y., Swanton, Vt., and New York, N. Y. Renewed May 31, 1941, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware.

143,543. **PETER PAN.** CHILDREN'S NIGHTGOWNS, SLEEPING-GARMENTS, AND PAJAMAS MADE WITH AND WITHOUT FEET. Registered June 7, 1921. AUGUST KNITTING CORPORATION. Renewed June 7, 1941, to Augusta Knitting Corporation, Utica, N. Y., a corporation of New York.

144,230. **HOODS.** ICE-CREAM. Registered June 28, 1921. H. P. HOOD & SONS, INC., Boston, Mass., a corporation of Massachusetts. Renewed June 28, 1941.

144,364. **CALIDO.** RESISTANCE WIRES AND RIBBONS. Registered July 12, 1921. THE ELECTRICAL ALLOY COMPANY, Morristown, N. J. Renewed July 12, 1941, to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey, assignee.

145,467. **KWATTA.** CHOCOLATE. Registered August 2, 1921. N. V. STOOM CHOCOLADE & CACAOFABRIEK "KWATTA", Middenlaan, at Breda, Netherlands, a Dutch corporation. Renewed August 2, 1941.

REISSUES

MARCH 25, 1941

21,755

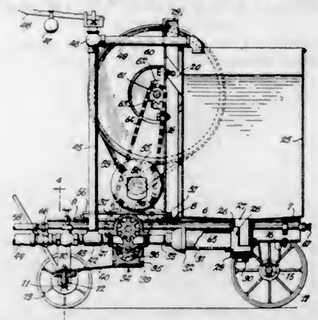
PORTABLE APPARATUS FOR SUPPLYING HEAVY MASTICS TO MASTIC APPLYING GUNS

Raymond E. Kelley, Snyder, N. Y.

Original No. 2,160,871, dated June 6, 1939, Serial No. 134,672, April 2, 1937. Application for reissue January 26, 1940, Serial No. 315,841

11 Claims. (Cl. 221—80)

1. Portable apparatus for supplying a stream of heavy asphalt mastic under pressure, comprising a portable frame, a mastic supply tank resting on said frame and having an outlet at its bottom, an underslung pump carried by said frame and having its inlet and outlet extending horizontally in axial alinement with one another and both arranged below the outlet of said tank, a motor mounted on said frame and driving said pump, a pipe arranged under the outlet of said tank and connecting with the inlet of said pump, a discharge pipe attached to the outlet of said pump, and a tail pipe secured to said tank and



surrounding said tank outlet, said tail pipe slidingly fitting in the adjacent end of said first pipe.

PATENTS

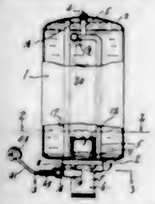
GRANTED MARCH 25, 1941

2,235,810

ANTI-BACK-SIPHONING FLUSHING APPARATUS

Frank B. Charroin, San Diego, Calif.

Application November 12, 1938, Serial No. 239,966
5 Claims. (Cl. 4—26)



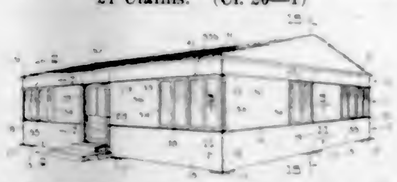
1. In an anti-back-siphoning flush valve, the combination of a pressure tank, means for admitting water under pressure to within the pressure tank having its delivery point for the water located above the level of the water within the pressure tank when filled, means for controlling the discharge of water under pressure from the pressure tank, said means including a flush valve composed of a cup and a concave cap telescopically mounted with relation to said cup to reduce the volumetric contents between the cup and the cap, and a bleeder valve mounted in the cup to bleed the contents therefrom, means for actuating the bleeder valve and to raise the cup into the concave cap so that the discharge opening from the pressure tank is open substantially simultaneously with the opening of the bleeder valve whereby the cup remains open on release of said actuating means to complete the discharge of the water from within the pressure tank through the discharge opening, and a breather conduit mounted in the pressure tank with its inlet located below the level of said delivery point, and extending down therefrom and into the discharge duct below the flush valve, and having a relief valve opening into the pressure tank at a point near the water level therein.

2,235,811

PANEL WALL STRUCTURAL UNIT AND BUILDING CONSTRUCTION

Robert L. Davison, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application July 12, 1939, Serial No. 283,961
21 Claims. (Cl. 20—1)



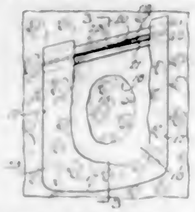
1. A prefabricated wall structural unit for building construction comprising a rigid, substantially rectangular, solid panel member of integral homogeneous material; and supporting means projecting from a broad face of said panel member and extending substantially rectilinearly along the long dimension thereof and substantially parallel with the lengthwise edges thereof, said supporting means being adapted to receive and support horizontally extending component construction when the unit is incorporated in building construction, and being intimately united with said integral homogeneous material in such manner as to transfer thereto received loads.

2,235,812

GARMENT OF THE ROBE TYPE

Harry H. Greenberg, New York, N. Y., assignor to Royal Robes, Inc., New York, N. Y., a corporation of New York

Application March 8, 1940, Serial No. 322,909
7 Claims. (Cl. 2—85)



1. In a garment of the robe type, a patch applied to the outer face of the garment and having its edges secured to the garment to define a pocket between said patch and the garment face, said patch having a slit therein, and separable fastening means carried by the opposed edges of said slit, said patch and slit being of sufficient size with respect to the nature of the material of which the garment is made to allow the entire garment to be accommodated in rolled-up condition within the compartment that is formed beneath said patch when said pocket is turned inside out and an outer patch arranged over and large enough to cover said first named patch to conceal the latter, said outer patch being secured in a position overlying said first named patch along all edges but one to define a normal patch pocket.

2,235,813

β,β′ DIHYDROXYDIETHYL CYANAMIDE

Ingenuin Hechenbleikner, Greenwich, and Chris Best, Stamford, Conn., assignors to American Cyanamid Co., New York, N. Y., a corporation of Maine

No Drawing. Application May 23, 1939, Serial No. 275,225
1 Claim. (Cl. 260—551)

As a new compound, β,β′-dihydroxydiethyl cyanamide.

2,235,814

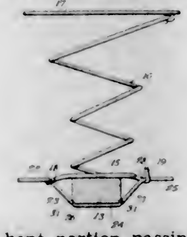
BEDSPRING

Abraham Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York

Application May 5, 1939, Serial No. 271,819
6 Claims. (Cl. 5—265)

1. In a spring structure, a frame including wooden bars rectangular in cross section and each having one of its wide surfaces uppermost, a flexible generally straight spring-holding wire

crossing the bar at substantially right angles thereto, said wire having an offset therein arranged in a vertical plane and having the lowermost part arranged adjacent the under face of the bar, said offset having a substantially straight bottom part joined by inclined side parts to the wire and having a length slightly less than the width of the bar, the width of the offset at its top being greater than the width of the bar and the depth of the offset being less than the height of the bar, and a double cone coil spring having a bottom coil of greater diameter than the intermediate coils of the spring, said bottom coil ter-



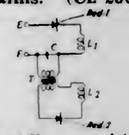
minating in a bent portion passing underneath the wire at one end of the offset, another point of said bottom coil engaging the other end of the offset and said bottom coil being drawn by said wire into contact with the top surface of the bar along diametrically opposite lengths of said bottom coil each at least equal to the width of said bar, said spring exerting an upward pull on the offset sufficient to cause said offset to enter and indent the lower corner edges of the bar and thereby to groove the bar sufficiently to prevent displacement of the wire and spring relatively to each other and to the bar.

2,235,815

RADIO GUIDING SYSTEM

Georges Edme Marcel Perroux, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.

Application September 22, 1938, Serial No. 231,187
In France October 6, 1937
5 Claims. (Cl. 250—11)



1. Method of guiding a vehicle by radio which comprises transmitting from an antenna system a directive radiation, alternating the direction of the pattern of said radiation between two fixed directions at a predetermined frequency receiving said radiation on said vehicle, employing the resultant of the received alternate radiations for measuring the percentage modulation produced by the alternate fields, and utilising the said measured modulation to give an indication of the value of a coordinate of the position of said vehicle.

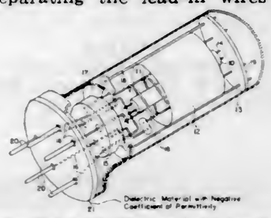
2,235,816

VACUUM TUBE WITH SUBSTANTIALLY CONSTANT INTERELECTRODE CAPACITANCE

Robert L. Freeman, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application October 14, 1939, Serial No. 299,430
6 Claims. (Cl. 250—27.5)

1. A vacuum tube comprising, an envelope, a plurality of electrodes mounted therein, lead-in wires for said electrodes extending through said envelope, certain of said electrodes having therebetween undesired capacitance which tends to vary positively with temperature during normal operation, and dielectric material effectively having a negative temperature coefficient of permittivity separating the lead-in wires of said



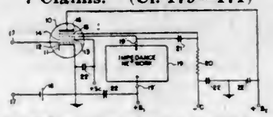
certain electrodes and disposed to be heated by the other elements of said vacuum tube during normal operation thereof the configuration of said dielectric material and its temperature coefficient of permittivity being relatively so proportioned that variations of said undesired capacitance are compensated by variations in the permittivity of said dielectric material.

2,235,817

MULTIPLE TRANSCONDUCTANCE VACUUM-TUBE AMPLIFIER

Robert L. Freeman, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application October 25, 1939, Serial No. 301,141
7 Claims. (Cl. 179—171)



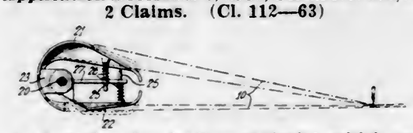
1. An amplifier comprising, a vacuum tube having at least a cathode, a first control electrode, a first anode, a second control electrode, and a second anode, an anode circuit coupled to said second anode and said cathode, an input circuit coupled to said cathode and said first control electrode, an output circuit coupled to said cathode and said first anode and including a two-terminal impedance network having a substantially uniform resistance over a desired frequency band, means coupling said second control electrode to said first anode, and means for reflecting a negative resistance across said output circuit which tends to cancel the resistance thereof and the dynamic first anode-cathode self-resistance comprising means providing a negative transconductance between said second control electrode and said first anode.

2,235,818

APPARATUS FOR PRODUCING TUBULAR FABRIC

Percy Gardner, East Orange, N. J., assignor to Lever Bias Machine Corporation, New York, N. Y., a corporation of New York

Application December 7, 1937, Serial No. 178,466
2 Claims. (Cl. 112—63)



1. A device for folding material which com-

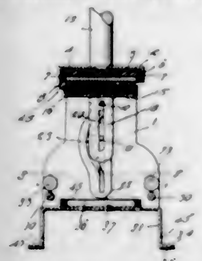
prises means for sewing the free edges together, and a set of pivoted spreader plates disposed between the upper and lower runs of the material substantially opposite the edges being sewed, and means engaging the spreader plates to press them automatically against the runs of the material with regulated pressure to maintain in the material a substantial tension.

2,235,819
ARMORED SHOE SOLE
George H. Gillis, Fitchburg, Mass.
Application February 23, 1940, Serial No. 320,255
2 Claims. (Cl. 36—32)



1. A molded shoe sole having an integral facial extension forming an innersole filler, a puncture resistant plate overlying and substantially coterminous with said filler portion, said shoe sole having embedded therein adjacent to the forward end of said filler extension a washer defining an opening through which a nail may be driven to secure the front end of said sole member to a shoe, said plate also having a hole positioned to receive said nail and thereby anchor said plate in position, the remainder of said plate being free to move relative to adjacent portions of the shoe under flexing pressure by the wearer.

2,235,820
STAMPING DEVICE
William A. Humphries, Covington, Ky.
Application August 4, 1939, Serial No. 288,438
5 Claims. (Cl. 101—41)



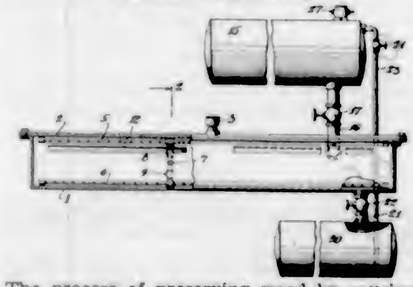
1. In a printing or stamping device comprising a frame of inverted U-shape, a yoke having its limbs depending alongside the limbs of the frame, and means for working said yoke up and down, means for releasably holding an inking pad on the underside of the bight of the frame, a type carrier releasably connected with the yoke and normally held with its type against the pad when the yoke is in raised position with means for inverting the type carrier as the yoke moves downwardly, a base connected with the lower ends of the frame and having below it space to receive one part of an article while the other part rests on top of the base, said lower ends of the frame having slots therein, a channel guide member passing through the slots and having a portion extending across the base for guiding matter to be printed and a channel upstanding from said base to receive one of the limbs of the yoke and fend therefrom said one part when the other part rests on the base with its opposite side upward for printing.

2,235,821
SOLE CONFORMER FOR SHOES
Maurice K. Anderson, Seattle, Wash.
Application September 5, 1939, Serial No. 293,374
14 Claims. (Cl. 36—71)



1. A sole conformer comprising an upper and a lower plate, the upper plate being of conformable material, of a shape and size for disposition within a shoe, and supported from the lower plate, and a multitude of members individually adjustable in effective length spacing the upper plate from the lower plate at a multitude of laterally spaced locations, the spacer members reacting from the lower plate to establish the conformation of the upper plate, such adjustability affording variations in conformation of selected local areas of such upper plate.

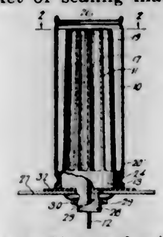
2,235,822
PROCESS FOR IMPREGNATING WOOD
Albert D. Boardman, Jacksonville, Fla., assignor to Celcure Corporation, New York, N. Y., a corporation of Delaware
Application December 28, 1937, Serial No. 182,035
1 Claim. (Cl. 21—22)



The process of preserving wood by causing a chemical reaction in the pores thereof to form therein an insoluble metallic compound from a solution of soluble metallic salts precipitable by heat, which process consists in providing a quantity of said solution substantially in excess of that necessary to treat a given quantity of wood, said solution being maintained at a temperature substantially below the point at which the reaction will occur, separately heating the wood with steam in a suitable chamber to a temperature substantially higher than the precipitation point of said solution for a period sufficient to fill said pores with steam, and promptly after the aforesaid steaming operation submerging said wood by introducing the solution into the chamber in bulk and rapidly raising the level of the solution about the wood, causing the solution to enter the pores of the wood and precipitate therein without prematurely cooling the wood or precipitating more than a negligible amount of solution on the surface of the wood or elsewhere in the chamber.

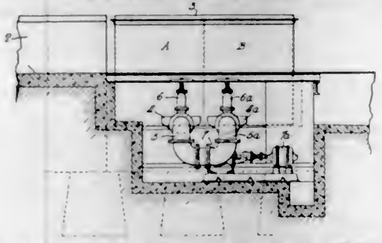
2,235,823
ELECTROLYTIC CONDENSER AND METHOD OF MAKING SAME
Joseph B. Brennan, Euclid, Ohio
Application December 2, 1935, Serial No. 52,502
Renewed December 11, 1939
4 Claims. (Cl. 175—315)

1. An electrolytic condenser comprising, in combination, a tubular container adapted to form the cathode of the condenser, an anode disposed within said container and comprising a porcelain form having a layer of film forming material deposited thereon, said form having a base portion constituting a closure for the tubular container, a gasket of sealing material disposed



between said base portion and said tubular container, said tubular container being deformed inwardly to compress said sealing material, and a riser extending through said base portion and said porcelain form from the exterior of the condenser and into contact with the film forming material on the surface of said porcelain form.

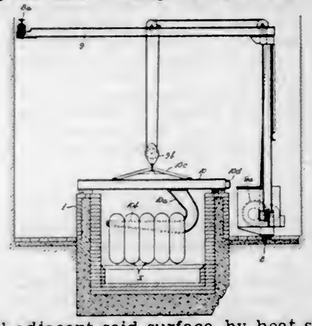
2,235,824
APPARATUS FOR PICKLING AND LIMING FERROUS ARTICLES
Sidney P. Cary, North Tonawanda, N. Y., assignor to Buffalo Bolt Company, North Tonawanda, N. Y., a corporation of New York
Application September 23, 1937, Serial No. 165,268
8 Claims. (Cl. 91—46)



1. Apparatus for lime-coating coils of ferrous wire or rod material, including a pair of similar liming receptacles, each adapted for suspension and submergence of coils therein; piping and a reversible pump, whereby the lime solution may be pumped from one receptacle to the other alternately, to submerge the coils in one and to correlatively expose the coils in the other.

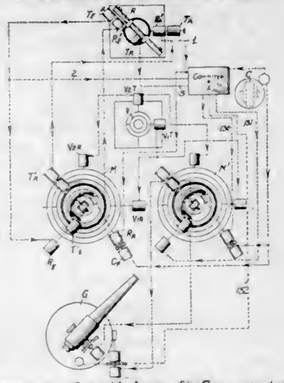
2,235,825
METHOD OF PICKLING AND LIMING FERROUS ARTICLES
Sidney P. Cary, North Tonawanda, N. Y., assignor to Buffalo Bolt Company, North Tonawanda, N. Y., a corporation of New York
Original application September 23, 1937, Serial No. 165,268. Divided and this application April 24, 1939, Serial No. 269,597
7 Claims. (Cl. 91—70)

1. A method of coating a coil of ferrous wire or rod material, which method includes suspending the coil in a receptacle, maintaining a liming solution at a temperature of about 180° F., raising the level of the hot liming solution in said receptacle to gradually and progressively submerge the coil and to progressively heat the coil; maintaining the solution above the top of said coil until the latter is heated to practically uniform high temperature approximately that of the solution; lowering the level of said solution to gradually expose the coil above the surface of the solution and progressively evaporate water therefrom and dry the lime coating on exposed portions of



the coil adjacent said surface, by heat stored up therein and by heat conducted from adjacent submerged portions that are still receiving heat from the solution; and continuing to lower said level, to completely expose the bottom of the coil above the surface of the solution to allow it to drain, and to be dried by the heat stored up therein.

2,235,826
ANTIAIRCRAFT FIRE CONTROL SYSTEM
Earl W. Chafee, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 21, 1936, Serial No. 65,125
In Great Britain January 23, 1936
15 Claims. (Cl. 235—61.5)



15. A system of antiaircraft fire control adapted to shipboard use, comprising a range finder for measuring present slant range of a target, a sight rotatable in azimuth and elevation relative to the ship, means for continuously measuring the angular elevation and azimuth of the line of sight relative to ship's axes, means for continuously measuring the positions of said ship's axes relative to fixed axes, a first corrector for converting positional data relative to said ship's axes to data relative to said fixed axes, a second corrector for converting positional data relative to said fixed axes to data relative to ship's axes, a computer for calculating future positions of said target in accordance with a plurality of factors including present slant range, angular elevation and azimuth and rates of

change thereof, all relative to said fixed axes, means for continuously transmitting the present angular elevation and azimuth of said target relative to said ship's axes to said first corrector, means for continuously transmitting the converted data therefrom to said computer, means for continuously transmitting present slant range from said range finder to said computer, means for continuously transmitting future target position data relative to said fixed axes from said computer to said second corrector, a gun positionable in azimuth and elevation relative to said ship's axes, and means for continuously transmitting future target position data relative to said ship's axes from said second corrector to said gun.

2,235,827

PROCESS OF PRODUCING A SIRUP EXTRACT FROM YEAST, HIGH IN B VITAMINS

Nathan Minton Cregor, New York, N. Y., Frederick E. Timmer, Hasbrouck Heights, N. J., and Robert M. Allen, New York, N. Y., assignors to Vegex, Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application March 23, 1935, Serial No. 12,674. Renewed April 22, 1939
17 Claims. (Cl. 99—97)

12. The method of producing a sirup high in the B vitamins including B_1 and B_2(G), which consists in digesting dried yeast in a sugar sirup with fresh yeast and papain, removing the insoluble matter and condensing the solution to the desired consistency.

2,235,828

PREVENTION OF SEASON CRACKING OF BRASS

Cedric Arthur Vincent-Daviss and Harold L. Maxwell, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 12, 1940, Serial No. 323,634
9 Claims. (Cl. 91—68)

1. A process for cleaning brass articles which comprises washing said articles in a solution of alkali metal cyanide, washing to remove cyanide from the brass surface and depositing on the washed brass surface an organic sulfur compound selected from the group consisting of mercapto aryl thiazoles, hydrocarbon mercaptans and the corresponding disulfides.

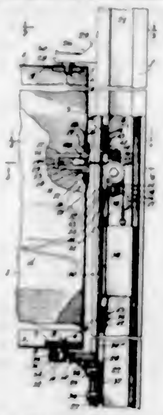
2,235,829

DOOR OPERATING MECHANISM

Clyde J. Daugherty, Cleveland, Ohio, assignor to The Sanymetal Products Co. Inc., Cleveland, Ohio, a corporation of Ohio

Application September 24, 1938, Serial No. 231,469
6 Claims. (Cl. 16—81)

1. In a door and door frame assembly having hinges fixedly connected to said frame and pivotally connected to the door at a point spaced from the rear edge of the door, of a door operating mechanism operative to retain said door in or move said door when open into closed position, said mechanism including a weighted member contained within said door frame and movable vertically therein, lugs supported by said door frame and extending inwardly thereof, a pulley guide positioned between said lugs and pivotally connected thereto for swinging movement in a generally horizontal plane, a pulley rotatably mounted upon said pulley guide for rotative movement about a generally horizontal axis, a flexible cord connected to said weighted member trained over said pulley and extending outwardly



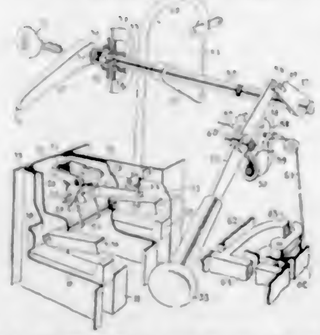
through a side wall of said door frame, and means for connecting said cord to said door at a point located between the pivot points of said hinges and said door frame.

2,235,830

LATCH CONTROL MECHANISM FOR MOTOR VEHICLES

William W. Dodge, Jr., Asheville, N. C.

Application September 9, 1939, Serial No. 294,184
19 Claims. (Cl. 70—264)



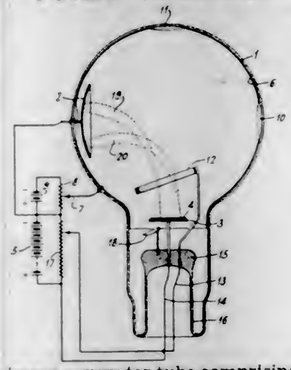
1. In a latch control mechanism for a vehicle having at least one door, the combination comprising, means for retaining said door in closed position; an inaccessible controller shiftable between two positions, a releasing position which renders said door retaining means inactive and a locking position which renders said door retaining means active; an inside actuator operable when said controller is in releasing position to positively shift the controller to locking position and then operable to positively shift it to releasing position; an outside actuator for positively shifting said controller to each of said positions and normally disconnected from said controller; locking means operable to connect and disconnect said outside actuator to and from said controller; and means rendered effective as an incident to the shift of said controller to locking position by said outside actuator to inhibit its operation by said inside actuator.

2,235,831

IMAGE CONVERTER TUBE

Frederik Coeterier, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands

Application October 3, 1939, Serial No. 297,652
In the Netherlands October 13, 1938
5 Claims. (Cl. 250—153)



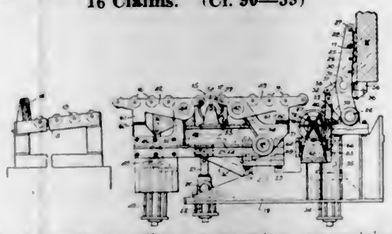
1. An image converter tube comprising an evacuated envelope, a photo cathode adapted to receive an optical image, a luminescent anode exposed to said cathode, and a unipotential spherical electron focusing electrode enclosing said cathode and said anode and adapted when at a negative potential with respect to said cathode to focus the electron discharge from said cathode upon said anode and to direct on the surface of said anode an electron image corresponding to the optical image on said cathode.

2,235,832

WORK MANIPULATOR

Malcolm H. Freeman, Maryville, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 30, 1940, Serial No. 316,348
16 Claims. (Cl. 90—59)



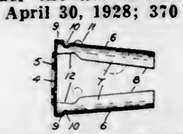
1. A work handling apparatus comprising a conveyor table normally disposed in a horizontal plane, means for moving said table into inclined position for gravity delivery therealong of a work piece, rotatably mounted work inverting arms normally forming portions of said table, means for rotating said inverting arms to and from cooperative, oil-vertical position for inverting a work piece, a plurality of work turning arms mounted for rotation about an axis substantially parallel to the axes of rotation of said inverting arms and adjacent an end of said table, said turning arms being normally disposed in substantially horizontal position beneath said table, and means for rotating said turning arms to and from raised position for simultaneously turning a work piece and handling it to and from said table.

2,235,833

CARTRIDGE CLIP

John C. Garand, Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office

Application November 22, 1938, Serial No. 241,821
6 Claims. (Cl. 42—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A clip for holding a double row stack of cartridges in staggered relation and adapted to be inserted therewith into the receiver of a gun, said clip comprising a back plate and two converging side walls extending forwardly from the back plate to embrace the stack of cartridges, said side walls having inturned cartridge retaining portions at the top and bottom thereof, the edges of said retaining portions being forwardly diverged with respect to their corresponding side wall.

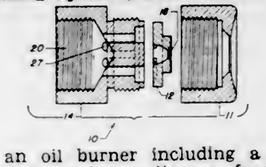
6. A cartridge clip adapted to be inserted into the receiver of a gun, said clip including a side wall one end of which will be lowermost when inserted into the receiver, said side wall having a plane vertical portion provided with a projection at the lowermost end thereof adapted for engagement with deflecting means on the receiver during ejection of the clip.

2,235,834

FUEL OIL BURNER NOZZLE

Claude S. Gillette, United States Navy, and Ralph C. Brierly, Narberth, Pa.

Application June 1, 1939, Serial No. 276,840
4 Claims. (Cl. 299—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an oil burner including a nut tip, a sprayer plate having on its rear face a whirling chamber terminating in an opening through the plate, and a nozzle block, the improvement of an annulus in the front face of the nozzle block, and a small diameter boss within said annulus, the diameter of said boss being barely larger than the maximum diameter of the whirling chamber of the sprayer plate.

2,235,835

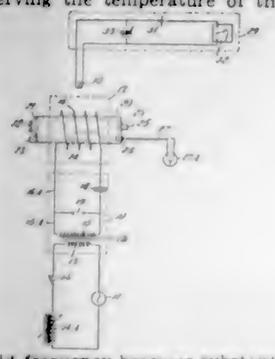
POWDER METALLURGY

Claus Guenter Goetzel, New York, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware

Application October 18, 1938, Serial No. 235,597
12 Claims. (Cl. 75—22)

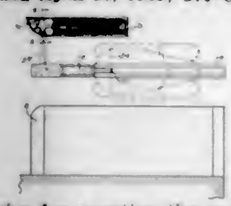
1. A process for determining a desirable temperature for heat treatment of a coherent mass of metal powder particles to bring about bonding therebetween which comprises disposing the mass in inductive relationship with a conductor energized by a source of alternating current, the frequency of which varies with the effective inductance of the conductor, heating the mass thus disposed to an elevated temperature, determining

the frequency of said current during the heating, and observing the temperature of the mass at



which said frequency becomes substantially constant.

2,235,836
DEVICE FOR ARRESTING THE MOTION OF VEHICLES
Denver R. King, United States Navy
Application October 9, 1940, Serial No. 360,420
10 Claims. (Cl. 188—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



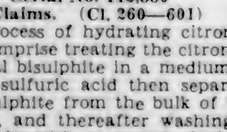
1. A device for arresting the motion of a vehicle comprising a hook mounted in the path of travel of the vehicle for engagement with a cable carried by the vehicle, means operable in conjunction with a traffic signal for swinging said hook between operative and inoperative positions and latch mechanism operable when the force exerted on said hook by said cable decreases through stoppage of the vehicle for disengaging said hook from said cable.

2,235,837
BLEACHING CELLULOSE
John Ogden Logan, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application September 1, 1937, Serial No. 161,969
3 Claims. (Cl. 8—108)

1. In the bleaching of cellulosic material, the improvement which comprises completing the bleaching by introducing free chlorine into an aqueous solution of a chlorite in contact with the material to be bleached and controlling the proportion of chlorine used in conjunction with the chlorite so as not to exceed approximately 50% of the amount corresponding to the available chlorine content of the chlorite used.

2,235,838
SPEED REGULATOR
Charles A. Martin, Berwyn, Ill.
Application November 25, 1938, Serial No. 242,253
5 Claims. (Cl. 123—103)

1. An automatically operable speed regulator and governor adapted for connection between an intake manifold for an internal combustion engine and the carburetor therefor, comprising a casing having a fuel passage and a flat face formed on one side of the wall thereof which defines said passage, which passage extends through said casing and between the fuel outlet of the carburetor and the fuel intake of the manifold, a normally open valve in said casing passage adapted to be progressively moved into closed position responsively to the velocity of the flow of the fuel through the manifold intake correspondingly to the varying speeds of the engine, and resilient pressure-exerting means cooperating with said valve and exerting a pro-



gressively increasing resistance to the closing movement of said valve correspondingly to the progressively increasing speeds of the engine, said means comprising a spiral spring mounted adjacent to said wall face and having its inner end supported on and connected to a pin member which is supported on said wall, an oscillatably mounted shaft extending through said wall and connected to said valve, and a single cam connected to one end of said shaft adjacent said wall face, the outer end of said spiral spring being connected directly to said cam and having a progressively increasing length of contact with said cam during the movement of said valve to closed position.

2,235,839
PACKAGE HOLDER
Joseph P. McEnery, New York, N. Y.
Application January 18, 1939, Serial No. 251,507
9 Claims. (Cl. 248—350)

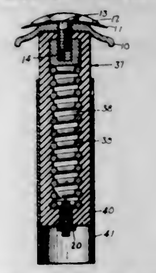


7. A holder for packages having a bottom passageway, said holder comprising a base having longitudinal guides, two slides supported by said base for movement longitudinal of said guides and adapted to underlie the bottom of said package, a tongue carried by each slide and adapted to enter one end of said passageway, and means for maintaining said tongues in said package passageway.

2,235,840
PROCESS FOR PRODUCING HYDROXY CITRONELLAL
Walter Christian Meuly, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 15, 1937, Serial No. 142,880
6 Claims. (Cl. 260—601)

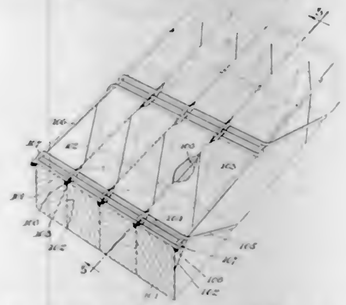
1. In the process of hydrating citronellal, the steps which comprise treating the citronellal with an alkali metal bisulphite in a medium which is miscible with sulfuric acid then separating the citronellal bisulphite from the bulk of the bisulfiting medium, and thereafter washing the citronellal bisulphite with an organic liquid which is inert toward the components of the reaction mass and is of limited solubility in 50% sulfuric acid compared to water, and whose freezing point is sufficiently low to maintaitn it in liquid state at the temperature of hydration.

2,235,841
ELASTIC HANDLE FOR SAFETY RAZORS
Georges Monnet, New York, N. Y.
Application November 22, 1937, Serial No. 175,789
8 Claims. (Cl. 30—85)



2. In a safety razor, in combination with a clamping member; a block adapted to be connected with said clamping member, a rubber handle having a portion engaging said block and another hollow portion, and a valve carried by said handle and connecting the interior of said hollow portion with the atmosphere.

2,235,842
FABRIC
Clifford G. Moon, Hopedale, Mass., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application November 13, 1937, Serial No. 174,405
5 Claims. (Cl. 139—420)

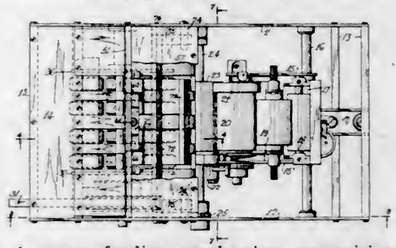


1. An insulating fabric comprising a plurality of large, soft slivers of asbestos fibers, said slivers extending warpwise in close contact throughout substantially their entire length; at least one warp thread of relatively small sectional area disposed between each two adjacent slivers, and other warp threads at the outer edge portions of the fabric; and filler thread means extending transversely of said slivers and arranged alternately upon opposite faces of said fabric, the transverse portions of said filler thread means on at least one face of said fabric comprising a plurality of consecutive picks overlying said slivers and retained in place by said warp threads.

2,235,843
PROCESS FOR DESTROYING BACTERIA
Richard Müller, Berlin, Germany
No Drawing. Application July 19, 1938, Serial No. 220,138. In Germany October 16, 1936
2 Claims. (Cl. 167—14)

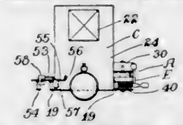
1. A process for destroying bacteria comprising vaporizing a silver compound in a gaseous medium, whereby said gaseous medium contains finely divided silver and treating the bacteria therewith.

2,235,844
SHEET FEEDING MACHINE
Alexander W. Nelson, Belleville, N. J., assignor to Robert F. Darby, Newark, N. J.
Application April 21, 1939, Serial No. 269,181
14 Claims. (Cl. 271—41)



1. A paper feeding mechanism comprising a table for a stack of paper sheets, a rotating spider, a take-up roller on said spider arranged to engage the bottom sheet of the stack as the spider rotates, driving means for rotating said spider and said take-up roller and means for disconnecting said driving means and for damping the rotation of the spider.

2,235,845
TAPE FEEDING MECHANISM
Thomas H. North, St. Paul, Minn., assignor to Trans-Lux Movie Ticker Corporation, New York, N. Y., a corporation of Delaware
Application March 5, 1936, Serial No. 67,281
Renewed January 11, 1939
10 Claims. (Cl. 271—2.3)



1. A tape feed mechanism including a rotatable driving means, means constantly rotating said driving means, a pair of rotatable driven means, either one of which is rotatable while the other remains idle, means for advancing the tape by one of said rotatable driven means, and means in engagement with the tape and sensitive to tension in the tape and operatively associated mechanically with the other of said driven means for holding said other of said means stationary to drive the tape.

2,235,846
PROJECTOR
Thomas H. North, Bald Eagle, Minn., assignor to Trans-Lux Movie Ticker Corporation, New York, N. Y., a corporation of Delaware
Application February 15, 1937, Serial No. 125,795
16 Claims. (Cl. 271—2.3)

1. Tape feeding means for a projection machine in which a tape, emitted from a ticker at varying speed, is drawn across a horizontal light aperture, said means including a tape puller, driving means therefor, and means for starting and stopping said driving means, said starting and stopping means including means engaging the tape directly anterior of said light aperture and substantially vertically movable in a straight line at the anterior end of said light aperture

and vertical thereto between two positions, said tape engaging means thereby causing the tape snugly to hug the entrance end of the light aperture with a bend of at least 90 degrees at all times both when in its uppermost position as well as in its lowermost position and while moving to and from one position to the other, and

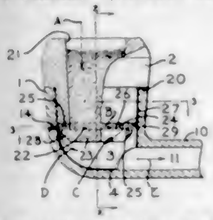


means connecting said last named means with said starting and stopping means operable by a predetermined length of downward movement to actuate said driving means to move said tape puller, and operable by a predetermined length of upward movement from the point of actuation in said downward movement to stop said driving means to stop said tape puller.

2,235,847

SMOKING PIPE

Clarence A. Pavey, Seattle, Wash.
Application April 7, 1939, Serial No. 266,449
10 Claims. (Cl. 131—198)



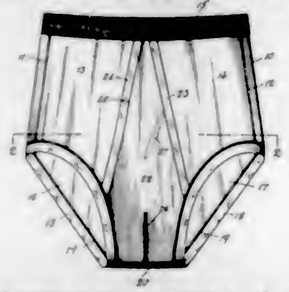
1. A smoking pipe comprising a stem terminating in a cup, a bowl removably supported in the cup, with its bottom spaced above the bottom of the cup to leave a chamber therebetween, with which chamber the bore of the stem communicates, the bowl being approximately of hollow cylindrical shape, and its bottom being supported by spacer pillars, one of which is located directly opposite the stem's bore, the edge of the bottom thus spaced below the lower end of the bowl proper, being disposed outwardly of the projection of the inner wall of the bowl, but being spaced inwardly from the outer wall of the bowl, to define wide, laterally directed and substantially circumferentially disposed smoke outlets, the cup having a breather aperture admitting exterior air to impinge upon the pillar which is opposite the stem's bore, the exterior of the bowl being shaped to direct such breather air downwardly and across the chamber beneath the bowl's bottom, and an absorptive liner within the cup, and extending up the side walls to a level to collect condensation from the smoke as it leaves the smoke outlets of the bowl and impinges upon the side walls of the cup, and as it is directed downwardly thence into the chamber.

2,235,848

MAN'S UNDERGARMENT

Arthur M. Reis, New York, N. Y., assignor to Robert Reis & Co., New York, N. Y., a corporation of New York
Application May 22, 1939, Serial No. 274,999
8 Claims. (Cl. 2—234)

1. A man's undergarment having a front gore constituted of two piles of knitted material and adapted to have a portion thereof overlie the private parts of the body when the garment is worn, the wales of at least the underlying ply of material extending substantially longitudinally of the gore, said underlying ply having a means of

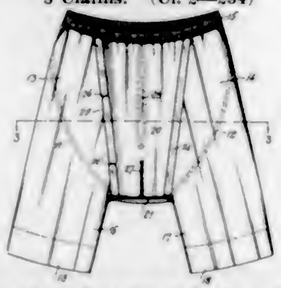


egress therethrough, constituted of a narrow, substantially flat elongated aperture circumscribed by elastic stitching and extending, from a point at one edge of the gore, where such stitching in anchored, across the wales in said underlying ply of material and terminating at a point approximately in the center of the gore.

2,235,849

MAN'S UNDERGARMENT

Arthur M. Reis, New York, N. Y., assignor to Robert Reis & Co., New York, N. Y., a corporation of New York
Original application May 22, 1939, Serial No. 274,999. Divided and this application March 7, 1940, Serial No. 322,651
3 Claims. (Cl. 2—234)



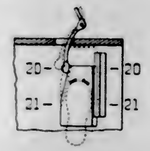
3. A man's undergarment having a front gore constituted of two overlying plies of knitted material and adapted to have a portion thereof overlie the private parts of the body when the garment is worn, the underlying ply having a means of egress therethrough, constituted of a narrow, elongated aperture circumscribed by elastic stitching and extending from a point of anchorage in a firm edge of the garment material and terminating at a point removed from any other firm edge of such garment material, whereby it will, upon release of tension applied in spreading it, return to its original narrow, elongated and substantially closed condition.

2,235,850

THROTTLE ACTUATING DEVICE

George Alexis Rubissow, New York, N. Y.
Application July 7, 1937, Serial No. 152,383
In Great Britain March 5, 1937
10 Claims. (Cl. 74—513)

1. A foot-operated device for controlling the position of the accelerator system or the like which comprises a pivoted lever of an appropriate form, one part of which is connected to the accelerator rod or the like, and the other free end of which pivots, remaining substantially adjacent to its displacement area provided on the flooring for the displacement of the sliding member, which sliding member is guided during movement on its corresponding displacement area, said sliding member having at least one abutment for the shoe, a pivoting axle of the said pivoted lever being rigidly affixed with respect to the flooring, a fixed abutment member of any suitable form being affixed rigidly on the flooring at such a distance from the free end of the pivoting lever that when the sliding member resting on the flooring is displaced, a part of the said sliding member always remains engaged between the said abutment member and the free end of the pivoted lever, the sides of the sliding member contacting simultaneously the abutment member



and the free end of the pivoted lever during the operation, the dimensions of the lever-arms and the place where the pivoting axle of the pivoted lever being so chosen that the inert-weight of the operator's foot (which inert-weight includes the foot, footwear, and all the freely suspended part of his leg and clothing, and this without any muscular strain being exercised) plus the weight of the sliding member are entirely sufficient to create exclusively by the same, two frictional engagements, one created between the sliding member and its displacement area and another created by the frictional engagement of the sides of the sliding member when engaged between the abutment member and the free end of the pivoting lever, the sum total of these two frictional engagements to be at least equal and preferably greater than the total reaction of the throttle actuating device measured on the surface wherein the free end of the pivoted lever contacts the sliding member, when simultaneously contacting the abutment surface.

2,235,851

THROTTLE ACTUATING DEVICE

George Alexis Rubissow, New York, N. Y.
Application August 23, 1937, Serial No. 160,425
13 Claims. (Cl. 74—513)

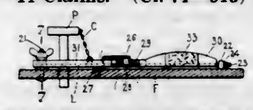


1. A foot-operating device to be used in combination with a common accelerator pedal, comprising a lever mounted upon an axis substantially perpendicular to the flooring and a connecting member pivotally connected to said lever and adapted to be pivotally connected to said common accelerator pedal, said connecting member being operative to actuate said common accelerator pedal upon pivotal movement of said lever.

2,235,852

ACCELERATOR PEDAL ACTUATING DEVICE

George A. Rubissow, New York, N. Y.
Application April 26, 1939, Serial No. 270,177
11 Claims. (Cl. 74—513)



1. A device to be used in combination with the accelerator pedal of a vehicle comprising a lever mounted on an axis of rotation, said axis being rigidly affixed in respect to the flooring, said lever connected by a flexible connection to the said pedal, one part of the said lever being provided with at least one roller, whereby when said lever is moved to and fro it pivots around the said axis of rotation and the said accelerator pedal is actuated.

2,235,853

ROD FORMER TONGUE FOR CIGARETTE MACHINES

Elberon D. Smith, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application June 14, 1938, Serial No. 213,611
10 Claims. (Cl. 131—66)

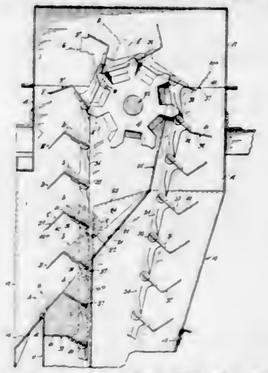


1. A mount for the tongue of a cigarette rod-forming mechanism, comprising a support, inflexible connections intermediate said support and tongue providing for substantially universal angular adjustment of the tongue relatively to the support, and means to hold said tongue rigidly in each selected angular position.

2,235,854

CONVEYER

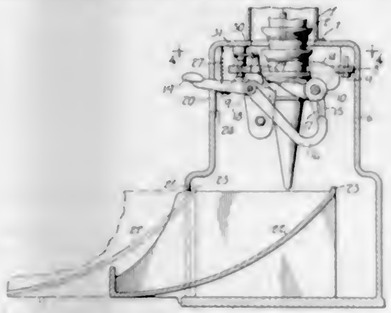
William W. Sayers, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application January 30, 1940, Serial No. 316,434
20 Claims. (Cl. 198—168)



1. In a conveyer, or the like, for transporting solid materials, a chain conveyer comprising a plurality of articulated links and a solid flight attached to each link so as to project from only one

side thereof, each of said solid flights comprising a plurality of portions which are angularly arranged with respect to each other so as to provide exterior material moving surfaces and with the portion adjacent the chain being inclined to the path of travel of the chain.

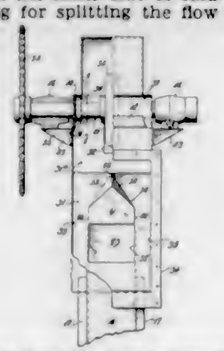
2,235,855
ICE CREAM CONE DISPENSER
Francis W. Turnbull, Chattanooga, Tenn.
Application February 4, 1938, Serial No. 188,616
5 Claims. (Cl. 312—44)



1. In a cone dispenser, the combination of a cabinet adapted to hold a vertical stack of nested cones each having an outwardly extending flange at the top, a rock shaft, a holder thereon having a fork adapted to engage the underside of the flange of the bottom cone to support the stack, means for rocking said shaft so that the fork will release the bottom cone and allow it to drop by gravity, and a pair of rounded noses on said shaft oscillatable with the tilting of said fork to engage the underside of the flange of the cone next above the bottom cone and support the stack when the bottom cone is released, said noses returning to normal position as the support is tilted reversely thereby to drop the stack on the fork, said fork and noses being spaced substantially 90° on said shaft whereby the bottom cone may drop freely when its support is removed and the stack is held by said noses.

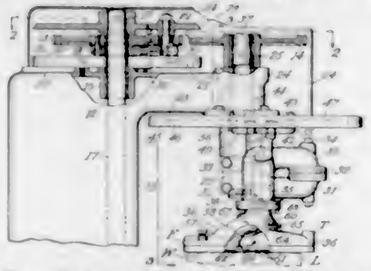
2,235,856
CASING HEAD SECTION FOR CONVEYER-ELEVATORS
Ferdinand F. Waechter, Philadelphia, Pa., assignor to Link-Belt Company, a corporation of Illinois
Application January 30, 1940, Serial No. 316,436
21 Claims. (Cl. 198—168)

1. In a casing structure for elevators, or the like, a casing head section divided into vertical leg portions and having a discharge opening adjacent the upper end of one of said portions, a head wheel journaled in the head section, a material transporting device including a plurality of interconnected flights adapted to pass around the head wheel in traveling from one vertical leg portion to the other, said flights being constructed to spill material into the head section as they move therethrough after leaving the vertical leg portion adjacent said discharge opening, an inclined gathering chute for receiving the material spilt from the flights, extending from the discharge opening across the upper end of said last mentioned vertical leg portion and beneath the head wheel, said chute having a rectangular flight opening which registers with the bore of the said underlying vertical leg portion, and means positioned beneath the head wheel and entirely rearwardly of the inner side of said rectangular flight opening for splitting the flow of material



falling thereon from the inner edges of the flights to cause said material to pass around the flight opening of the chute in flowing toward the discharge opening of the head section.

2,235,857
WRAPPER CARRIER OPERATING MECHANISM
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application May 20, 1938, Serial No. 208,972
12 Claims. (Cl. 131—105)

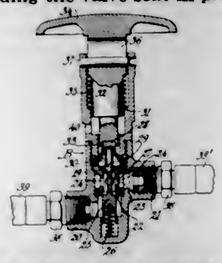


1. In a cigar machine provided with a source of supply of wrappers and a bunch rolling station, a wrapper transfer device, including a suction carrier head, a movable support for said head, means for intermittently moving said head in a closed and irregularly curved path to and from said supply and station once each cycle of said machine, including a vertical shaft journalled in said support, a driving member secured to said shaft, speed advancing and retarding means mounted on said driving member for controlling the speed of movement of said head, and stationary cams cooperating with said driving member for effecting the movement of said head along said path.

2,235,858
THREE-WAY DISTRIBUTING VALVE
Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Original application November 30, 1938, Serial No. 243,220. Divided and this application January 3, 1940, Serial No. 312,231
4 Claims. (Cl. 277—21)

1. A distributing valve comprising a casing

having therein a valve seat, a check valve normally held against said seat, an induct opening and an educt opening on opposite sides of the valve seat, a vent opening on the same side of the valve seat as the educt opening, a tubular plug for holding the valve seat in place, the valve



check having a stem with a passage therein slidably extending through the tubular plug, said tubular plug having lateral openings therein establishing open communication between the educt opening and the passage in the valve check stem, and air sealing means between the tubular plug and the movable valve check stem.

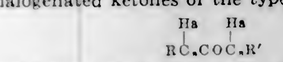
2,235,859
SINGLE-SIDEBAND MODULATED-CARRIER RECEIVER
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application February 2, 1940, Serial No. 316,873
10 Claims. (Cl. 250—20)



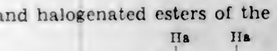
1. A modulated-carrier signal receiver comprising, means for detecting only double-sideband components of a given frequency range of a received signal, means for detecting single-sideband components of said signal outside of said range, said two detecting means including means for deriving from a signal input of given amplitude detector outputs of predetermined relative amplitudes, and means for combining and reproducing said detected signal components.

2,235,860
HALOGENATED EXTREME PRESSURE LUBRICANT
Norman D. Williams, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 19, 1938, Serial No. 235,775
22 Claims. (Cl. 252—54)

1. A lubricant comprising mineral lubricating oil and a compound selected from the group of halogenated ketones of the type

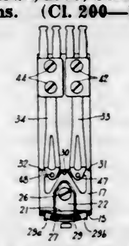


and halogenated esters of the type



in which R and R′ are non-acidic, stable, carbocyclic radicals either the same or different, CO and COO are the characteristic ketone and ester groups, C is an aliphatic chain having any number (*n*) of carbon atoms and the halogen (Ha) is linked to carbon in the aliphatic chain.

2,235,861
ELECTROMAGNETIC RELAY
Fredric E. Wood, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 24, 1939, Serial No. 269,690
5 Claims. (Cl. 200—104)

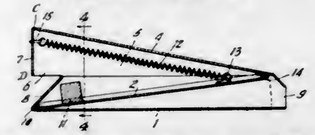


1. An electromagnetic relay comprising a longitudinally extending field element, an armature having a body portion operatively associated with said field element, said armature being pivotally mounted adjacent the end of said field element and provided with first, second and third operating arms extending longitudinally along said field element, and first and second sets of switch springs carried by said field element and respectively operatively associated with the first and second operating arms of said armature, said armature being so constructed and arranged that the first and second operating arms thereof are independently adjustable relative to the body portion thereof, thereby to facilitate relative adjustment of the operating positions of said first and second sets of switch springs, and that the third operating arm thereof is independently adjustable relative to the body portion thereof, thereby to facilitate adjustment of the operating stroke of the body portion of said armature.

2,235,862
PROCESS FOR THE PREPARATION OF PYRIMIDINE-THIAZOLE COMPOUNDS
Otto Zima, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 16, 1938, Serial No. 190,835. In Germany February 22, 1937
13 Claims. (Cl. 260—251)

1. The process comprising condensing a thiazole hydrochloride with a compound selected from the group consisting of a 2-alkyl-6-amino-5-alkoxy-methyl-pyrimidine hydrochloride, and 2-alkyl-6-amino-5-hydroxymethyl-pyrimidine hydrochloride.

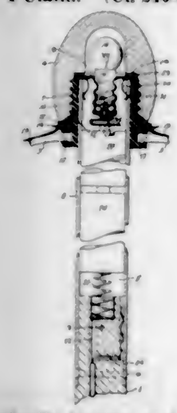
2,235,863
INERTIA-POWERED AIR CIRCULATOR
Edmund R. Aller, Gary, Ind., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application December 9, 1938, Serial No. 244,838
4 Claims. (Cl. 98—6)



1. In an inertia-powered air circulator of the class described, the combination of a vane subject to the oscillations of the car, an inertia mem-

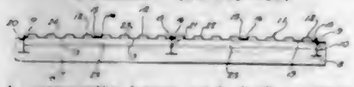
ber including a vane pivotally related to said first-mentioned vane and movable toward and from the same for impelling air from between said vanes, a housing for directing the impelled air from one end and having an outlet opening substantially equal in width to the range of movement of said vane, said housing forming an air inlet chamber above said movable vane and having an air inlet opening for said chamber at its end opposite the outlet opening, an elastic member connected to said inertia member and said housing, and acting to overcome the weight of said inertia member sufficiently to move the inertia member vane away from said other vane.

2,235,864
UMBRELLA
Frederick R. Brennan, Oswego, and James Ross Jenkins, Portland, Oreg.
Application May 17, 1938, Serial No. 208,370
1 Claim. (Cl. 240—6.42)



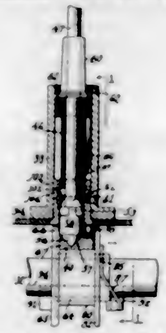
In an umbrella having a staff and the usual complement of ribs, stays and covering, a hollow, battery-carrying tube on one end of said staff, an externally threaded element surrounding the end of said tube, said element having means for pivotally attaching said ribs, an annular shoulder on said element, a translucent hollow ferrule secured on the threads of said element and clamping said covering against said shoulder, a socketed disc containing a light bulb disposed within said hollow ferrule, said disc being seated on the end of said tube and having a spring contact on the end of said socket for absorbing the impact of a battery carried in said tube, and a resilient gasket effecting a seal between said ferrule and said disc, and also between said ferrule and said element.

2,235,865
STRUCTURAL UNIT
Edward W. Burgess, Milwaukee, Wis., assignor to Worden-Allen Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 9, 1939, Serial No. 294,068
2 Claims. (Cl. 189—34)



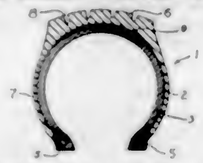
1. A composite beam and deck section comprising a main beam web having an unflanged upper edge, a sheet metal plate having alternately, oppositely directed, longitudinally extending parallel channel formations extending from one end of the plate to the other end thereof, adjacent channel formations having a common side wall, one side edge of the plate being engaged with and welded to the upper edge of the beam web with the channel formations of the plate disposed parallel to the longitudinal axis of the beam web, and a plurality of sub-beams comprising vertical webs disposed at right angles to the main beam web, each sub-beam having one end engaged with and welded to the main beam web, the upper edges of each sub-beam being engaged with the under side of the plate in sustaining relation thereto.

2,235,866
SPINDLE FOR SPINNING OR TWISTING FRAMES
Walter B. Cain, Whitinsville, Mass.
Application July 3, 1939, Serial No. 282,615
11 Claims. (Cl. 57—103)



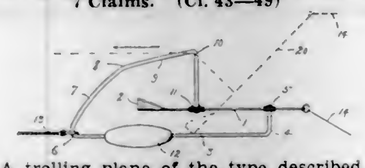
1. In a spinning or twisting frame, a substantially vertically mounted spindle blade, a horizontal driving shaft extending lengthwise of said frame below said spindle blade, and a friction driving connection between said shaft and said spindle blade, said driving connection including two driving parts which rotate in the same direction and simultaneously drive said spindle at points which are diametrically opposed with respect to the spindle axis and a rotatable element interposed between one of said discs and said spindle.

2,235,867
PNEUMATIC TIRE
Martin Castricum, Grosse Pointe, and Francis C. Kennedy, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 7, 1939, Serial No. 307,973
15 Claims. (Cl. 152—359)



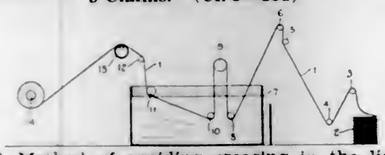
9. A pneumatic tire for use in the field described, comprising a growth resisting carcass embodying a plurality of plies formed of rayon ply-twist yarns and stratums of vulcanized rubber composition intermediate and bonded thereto, the majority of said ply-twist yarns being not heavier than an 1100 denier/2 construction, of a gauge not more than .022 inch, and having an elongation at 10 pounds load of not over 9.36 per cent.

2,235,868
TROLLING PLANE
Lloyd E. Coolidge and Francis I. Coolidge, Knife River, Minn.
Application September 5, 1940, Serial No. 355,420
7 Claims. (Cl. 43—49)



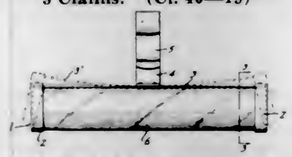
1. A trolling plane of the type described, including a brightly polished sheet of metal, a compound angularly shaped supporting frame fixed at one end to the upper side of said plane forwardly of the center thereof and at its opposite end to the bottom of said plane rearwardly of the center thereof, and a fish-hook attached by a relatively short line to the center of the rearmost edge of said plane, and means for the selective control of the diving action of said plane.

2,235,869
TREATMENT OF FABRICS
Cyril M. Croft, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application March 14, 1939, Serial No. 261,689
5 Claims. (Cl. 8—151)



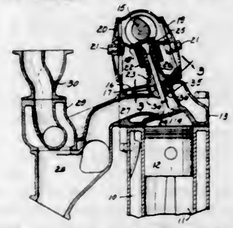
2. Method of avoiding creasing in the liquid treatment of warp knitted fabric comprising yarns of organic derivatives of cellulose comprising first subjecting the fabrics to treatment with an aqueous liquid while in open width and under longitudinal tension and while free to shrink in width until the fabric shrinks about 20 to 40% in width and increases about 25 to 45% in length and then subjecting them to a desired liquid treatment in rope form.

2,235,870
CERTIFICATE HOLDER
Hanson H. Dedmon, Oakland, Calif.
Application August 12, 1939, Serial No. 289,794
3 Claims. (Cl. 40—19)



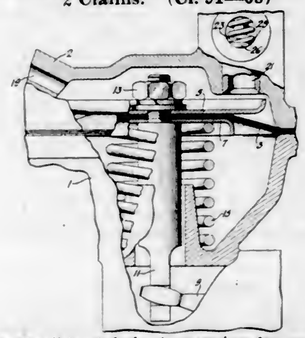
2. A certificate holder comprising an elongated transparent tube, a pair of opposed closures extending over the opposite ends of said tube, flanges on the said closures extending toward each other and over the margins of the tube at its opposite ends, a straight strip of spring metal secured at its opposite ends to the flanges of said closures, said strip being adapted to be readily bowed for moving said closures and flanges apart to position out of engagement with the said opposite ends of the tube for freeing said tube, said strip and flanges being rigidly secured together against movement of the flanges and closure relative thereto, the ends of said strip being secured to the inner sides of the flanges on said closures whereby the said tube is directly supported against the strip throughout its length.

2,235,871
INTERNAL-COMBUSTION ENGINE
Eugene J. Farkas, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 8, 1939, Serial No. 308,131
11 Claims. (Cl. 123—188)



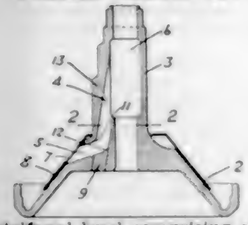
1. In an internal-combustion engine, an intake valve having a valve stem associated therewith, said valve stem being reciprocably mounted in a suitable bearing in said engine, said bearing extending into an intake passageway in said engine, which passageway is normally under a substantial vacuum, said bearing having an enlarged chamber formed therein intermediate of its ends through which said stem extends said chamber being closed when said valve stem is in said bearing, and means for introducing gas under pressure in said closed chamber, for the purpose described.

2,235,872
FABRIC COATING
Jay T. Ford, Grand Blanc, and William S. Kirk, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 16, 1939, Serial No. 279,430
2 Claims. (Cl. 91—68)



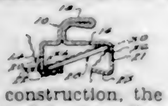
1. A flexible fabric imperviously coated with a resinous product of polyhydric alcohol with sebacic acid and citric acid, together with between 5% and 20% by weight of lamp black to prevent solubility and scuffing off of the coating.

2,235,873
CENTRIFUGAL BOWL
Erik August Forsberg, Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application June 3, 1938, Serial No. 211,515
In Sweden June 11, 1937
2 Claims. (Cl. 233—40)



1. A centrifugal bowl comprising a bowl body including a bowl bottom and a central tubular shaft in fixed relation therewith and containing distributing channels for passage of liquid from the tubular shaft to the bowl chamber, each of such channels comprising a straight bore hole open at its upper end to the interior of the tubular shaft and extending down at a small angle to the vertical through the wall of the tubular shaft and into the bowl bottom but terminating short of the lower face thereof and a straight flow hole in the bowl bottom extending at a small angle to the horizontal and opening at its outer end to the lower part of the bowl chamber inlet and at its inner end meeting at an obtuse angle the said bore hole, the lower edge of the flow hole aligning with the bottom of the bore hole.

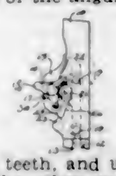
2,235,874
SPRING FRAME
Lowell C. Freeman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application February 14, 1938, Serial No. 190,358
5 Claims. (Cl. 155—180)



2. In a seat construction, the combination of a frame member of downwardly presenting channel shape, one flange whereof terminates in an inwardly turned portion and the other flange whereof is slightly flared, so that a diagonal from a corner formed by said one flange and said portion and extending to the junction between the other flange and the base of the channel is somewhat shorter than an opposite diagonal; a covering material the marginal edge whereof is adapted to be received within said channel; and a retaining element adapted to be received into said channel, said retaining element being of such size that it is wedgingly received in said channel when positioned on said first mentioned diagonal, and is loosely received in said channel when it is positioned on said second mentioned diagonal.

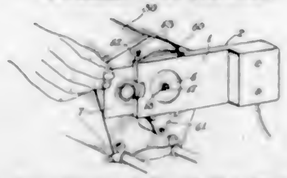
2,235,875
DOOR SUPPORT
Joseph Galamb, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 6, 1937, Serial No. 152,280
1 Claim. (Cl. 217—60)

A support for an element of the class described comprising, a pair of articulated members, one of said members having a star wheel with three equally spaced teeth thereon rotatably mounted in position adjacent to its connection with the second of said members, said second member having a cam face formed thereon in position to coact with said star wheel and lock said members in element supporting position, one end of said cam face upon the maximum extension of said articulated members from said element supporting position striking one of the teeth of said star wheel and rotating same in one direction through a small fraction of the angular distance between



said star wheel teeth, and upon the collapse of said members the other end of said cam face striking the next tooth to continuing the rotation of said wheel through substantially 120° angular distance, said cam face having a notch therein which upon the next extension of said members coacts with said last mentioned tooth to rotate said wheel a fractional part of said 120 degrees, and said cam face having a socket therein which upon the next collapse of said members coacts with the next tooth of said wheel and prevents further collapse of said members.

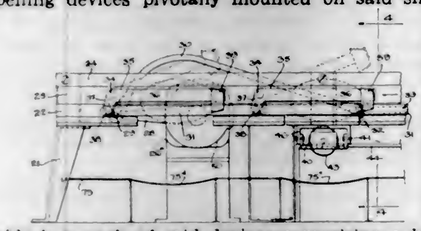
2,235,876
STEREOPTICON SLIDE
Samuel M. Gertz, Chicago, Ill., assignor to Bertram Wm. Coltman, Kenilworth, Ill.
Application September 1, 1938, Serial No. 227,941
9 Claims. (Cl. 273—142)



1. A stereopticon slide of the type described comprising a marginal frame formed with a central chamber, a slidably removable transparent plate carried by said frame having a series of annular symbols or markings thereon, a pair of transparent disks, means for rotatably and coaxially supporting said disks in said housing on the projection axis of said transparent plate to provide for chance registration of symbols or markings on said disks with said symbols or markings on said slidably removable plate, said disks being supported in said housing independently of said slidably removable plate, and a drive for said disks, said drive including means for imparting whirling impulses to said disks at different speeds and in opposite directions.

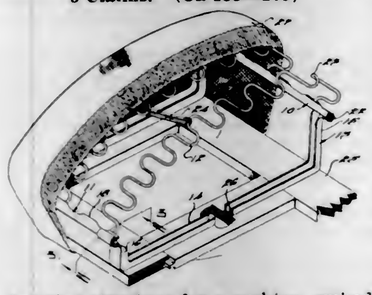
2,235,877
EGG GRADER APPARATUS
Paul Guggenheim, Philadelphia, Pa., assignor to Philadelphia Metal Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application March 3, 1938, Serial No. 193,706
3 Claims. (Cl. 209—121)

1. In an apparatus for grading articles by weight, having a horizontal track including at spaced intervals therein a series of pivoted weighing pans respectively responsive to different weights, and propelling means for shifting the articles to be graded along said track for discharge from said weighing pans, respectively, as said articles exceed in weight the minimum necessary to depress said weighing pans into inclined, article discharging position; characterized by that the propelling means comprise a pair of vertically spaced longitudinal bars disposed longitudinally of the track, and forming a longitudinal guideway, a slidable bar disposed in said guideway, a series of spaced article propelling devices pivotally mounted on said slid-



able bar, each of said devices comprising a bell crank lever pivoted at its corner to said slidable bar, one arm of said bell crank lever having an article engaging element at its free end, the other arm of said bell crank lever being suspended from said pivot point, a longitudinally reciprocable strip, pivotal connections between the lower ends of each of said other arms and said strip, and power means for reciprocating said strip.

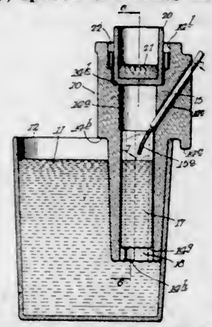
2,235,878
CUSHION CONSTRUCTION
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1938, Serial No. 197,148
5 Claims. (Cl. 155—179)



1. A spring structure for a cushion, embodying spaced frame elements having channel portions therein, bracing means for supporting said elements with the channels of one of said elements presented at a greater angle to a common plane than the other, and spring strips secured by said elements with one end thereof disposed on an arc greater than that at the other end, whereby greater resiliency is provided at one edge of the unit assembly than at the other.

2,235,879
VAPORIZER
Marshall W. Hanks, Madison, Wis., and George H. Nelson, Chicago, Ill., assignors to Hankscraft Company, Madison, Wis., a corporation of Wisconsin
Application December 4, 1937, Serial No. 178,128
19 Claims. (Cl. 219—40)

1. A device of the class described, comprising a hollow insulating body open at its upper and lower ends and having a continuous vertical passage therethrough, a receptacle for a medicament located and mounted within the upper end of said body, spaced electrodes mounted in the

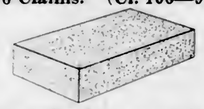


lower portion of said body and adapted to be connected by a liquid when the said portion of said body is immersed in said liquid, and means for connecting said electrodes to an electric circuit.

2,235,880
POLISHING MATERIAL AND METHOD OF MANUFACTURING THE SAME
Otis Hutchins, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application April 6, 1939, Serial No. 266,425
7 Claims. (Cl. 51—308)

1. The method of making polishing material which comprises calcining bauxite, and grinding the calcined bauxite in the presence of water to increase the absorptive power of the bauxite particles for an organic binder.

2,235,881
CELLULATED CLAY PRODUCT AND METHOD OF PRODUCING THE SAME
Wesley G. France, Columbus, Ohio, assignor of one-half to George A. Bole, Columbus, Ohio
Application April 9, 1936, Serial No. 73,503
6 Claims. (Cl. 106—9)

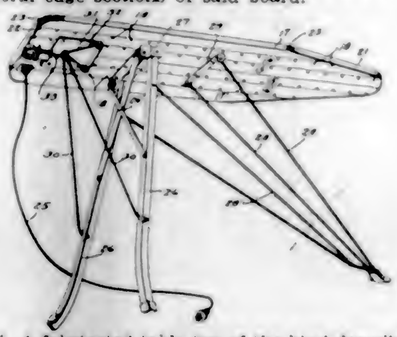


1. A cellular refractory ceramic product produced from a clay slurry which has been foamed, gelled, dried and fired and wherein the foaming and gel producing agents with the exception of alumina are removed from the final product, the clay being the major constituent of the product.

2,235,882
METALLIC TABLE TOP WITH OPEN CHAMBERS
Edward T. John, Minneapolis, Minn., assignor to J. R. Clark Company, Minneapolis, Minn., a corporation of Minnesota
Application June 29, 1939, Serial No. 281,833
4 Claims. (Cl. 38—137)

3. A fabricated table top of the kind described, made up of a plurality of sections that in cross section are of approximately rectangular U-formation and have overlapping flanges and form a multiplicity of closed compartments, in com-

bination with channel-shaped end binding strips applied to the ends of the sections and closing the compartments thereof, the end portions of said sections being depressed substantially the thickness of the flanges of said binding strips and the flanges of said binding strips being set flush with the upper and lower surfaces of said sections, said binding strips having projecting lip-like end flanges underlapping and rigidly but detachably connected to the outer walls of the outer lateral edge sections of said board.



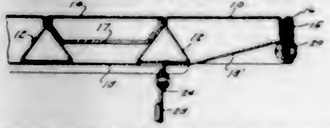
4. A fabricated table top of the kind described, made up of a plurality of sections that in cross section are of approximately rectangular U-formation and have overlapping flanges and form a multiplicity of closed compartments, in combination with channel-shaped end binding strips applied to the ends of the sections and closing the compartments thereof, the end portions of said sections being depressed substantially the thickness of the flanges of said binding strips and the flanges of said binding strips being set flush with the upper and lower surfaces of said sections, the open sides of the U-shaped sections of each lateral half of the board being set toward the open sides of the other half, in further combination with a U-shaped strut applied to the flanges of one of the inner sections and underlapping with and rigidly secured to flanges of adjacent inner sections.

2,235,883

METALLIC TABLE TOP WITH CLOSED CHAMBERS

Edward T. John, Minneapolis, Minn., assignor to J. R. Clark Company, Minneapolis, Minn., a corporation of Minnesota

Application June 29, 1939, Serial No. 281,834
2 Claims. (Cl. 38—137)



1. A metallic table top formed from a metallic sheet bent to form depending tubular reinforcing ribs that are spaced materially out of contact the one with the other, the walls of said depending ribs being upwardly contracted and brought together immediately under the flat top of the board and there rigidly welded together.

2. The structure defined in claim 1 in which said table top has a marginal depending flange and in combination with leg-attaching plates spanning said depending ribs and at their ends rigidly united to the depending flanges of said table top.

2,235,884

ETHERS OF TRIMETHYL-HYDROQUINONE AND PROCESS OF PREPARING THE SAME

Walter John, Gottingen, and Otto Dalmer, Darmstadt, Germany, assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application June 28, 1938, Serial No. 216,310. In Germany July 1, 1937
11 Claims. (Cl. 260—613)

1. Compounds of the formula

$$C_6H(CH_3)_3(OH)OR$$

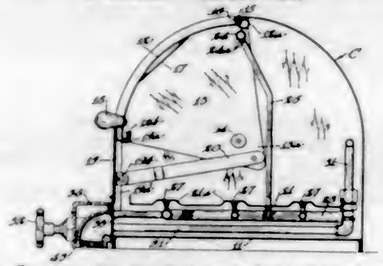
wherein R is a member selected from the group consisting of an alkyl radical, an alkylene radical, and a hydroaromatic radical, such radicals being derived from a member of the group consisting of aliphatic saturated alcohols, aliphatic unsaturated alcohols, and hydroaromatic alcohols, containing from 15 to 25 carbon atoms.

2,235,885

GLASSWARE WASHER AND STERILIZER

Carl W. Johnson, Minneapolis, Minn., assignor to American Glass Sterilizer Corporation, Minneapolis, Minn., a corporation of Minnesota

Application July 29, 1937, Serial No. 156,341
2 Claims. (Cl. 220—34)



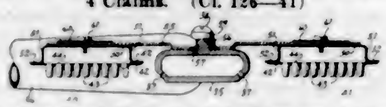
1. In a cabinet of inverted U-shaped cross section having one open side, an arcuate door for closing the upper portion of said open side and situated within the limits of said cabinet, brackets on said door extending downwardly and rearwardly, beyond and being pivotally mounted at points concentric with the curved portion of said cabinet whereby said door may be swung between a normal position and a position just inwardly of the closed side of said cabinet, a door for closing the lower portion of the open side of said cabinet, said last mentioned door being hinged at its lower edge to said cabinet so as to be swingable outwardly, and links each pivotally connected at its respective ends to the lower end of one of said brackets and to said last mentioned door whereby said doors will open and close in unison responsive to force applied to open and close one thereof.

2,235,886

STOVE

Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio

Application November 16, 1938, Serial No. 240,798
4 Claims. (Cl. 126—41)



1. A radiant device of the character described comprising a relatively thin, light weight plate

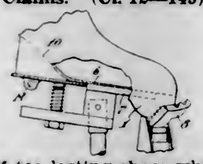
member constructed from a heat resisting metal and provided with a plurality of elongated tongues stamped from said plate and bent to project outwardly from one face of the plate, and a sheet metal supporting member arranged adjacent the opposite face of said plate member and rigidly attached to the plate member with a spacing therebetween, said supporting member having a size substantially the same as said plate member and serving to reinforce and stiffen the plate member throughout substantially its entire extent.

2,235,887

MANUFACTURE OF FOOTWEAR

Jacob S. Kamborian, West Newton, Mass., assignor, by mesne assignments, to General Research, Inc., Boston, Mass., a corporation of Massachusetts

Application September 27, 1938, Serial No. 231,939
12 Claims. (Cl. 12—145)



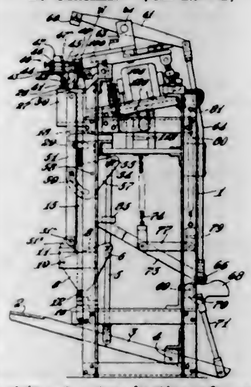
1. Method of toe lasting shoes which have already been prepared, as for the usual bed-lasting operation, characterized in bringing the forepart portion of the under surface of the inner sole into contact with a work support, gripping the margin of the upper material at the toe and, while so gripping such margin, so manually rocking the shoe about a transverse axis at the region of the work support as to stretch the upper material snugly about the tip of the last to a degree dependent upon the force exerted by the hand of the operator, while maintaining the upper so stretched, relatively moving the shoe and wiping means so as to bring the shoe into the field of action of said wiping means, and wiping-in the upper material at the toe so as to cause it to lie against the under surface of the insole.

2,235,888

LASTING MACHINE

Jacob S. Kamborian, West Newton, Mass., assignor to General Research, Inc., Boston, Mass., a corporation of Massachusetts

Application September 14, 1939, Serial No. 294,879
17 Claims. (Cl. 12—4)



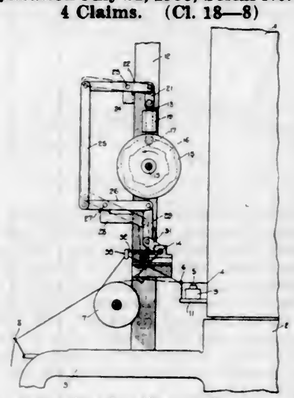
1. A machine for toe lasting shoes comprising a frame, a support carried by the frame designed to receive a last with an insole and upper assembled thereon, the support being pivotally mounted to rock about a transverse axis intermediate its front and rear ends whereby downward movement of the rear end of the last causes the toe end of the last to move upwardly, means for gripping the marginal upper material at the toe, said gripping means being relatively stationary as respects upward movement of the toe of the last, wipers operative to wipe the upper material inwardly at the toe and to hold it firmly against the bottom surface of the insole, and a cutter movably mounted on the frame and operative to sever the marginal material between the gripping means and the point where it is engaged by the wipers.

2,235,889

PRODUCTION OF ARTIFICIAL FILAMENTS, YARNS, OR THREADS

Albert Walter Keight, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

Application July 21, 1936, Serial No. 91,711
4 Claims. (Cl. 18—8)



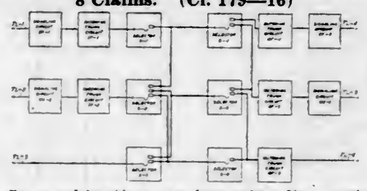
2. In apparatus for the production of artificial filaments, the combination with a stationary spinneret for spinning the filaments, of an oscillating member adjacent to said spinneret, through which the filaments are caused to pass and means for causing said oscillating member to operate slowly in one direction and rapidly in the opposite direction so as to effect an abrupt variation in denier of the filaments.

2,235,890

TELEPHONE SYSTEM

Ralph E. King, Short Hills, and Ohmer R. Miller, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 24, 1939, Serial No. 300,936
8 Claims. (Cl. 179—16)



1. In combination, an incoming line, outgoing

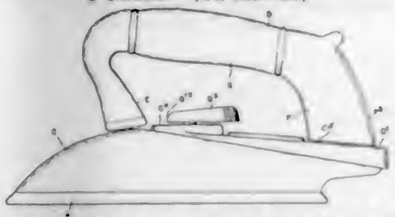
lines, a selector for connecting said incoming line to any one of said outgoing lines, signal repeating means associated with said incoming line for repeating signals from the incoming line to the selected outgoing line, means in one of said outgoing lines for responding to signals received over a loop circuit, means in another of said outgoing lines for responding to signals received over a simplex circuit, and circuit means including a conductor of said selector for adapting said signal repeating means to repeat the signals in a loop circuit when the selected outgoing line is one arranged to receive signals in a loop circuit and to repeat the signals in a simplex circuit when the selected outgoing line is one arranged to receive signals in a simplex circuit.

2,235,891

ELECTRIC IRON

Frank Kuhn, Grosse Pointe Farms, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan

Application April 1, 1940, Serial No. 327,306
6 Claims. (Cl. 219—25)



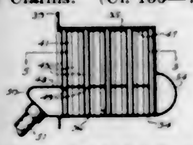
6. An electric laundry iron comprising a base and electrical heating units therefor above the same, a hood covering said base and unit and extending rearward therefrom to form an overhanging portion, and a handle connected to said hood including spaced columns both inclining forwardly in an upward direction and having a handhold connecting the upper ends of said columns, the forward inclination of said columns locating said handle substantially above the center of gravity of the iron.

2,235,892

SEPARATOR

Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application August 18, 1938, Serial No. 225,590
7 Claims. (Cl. 183—75)



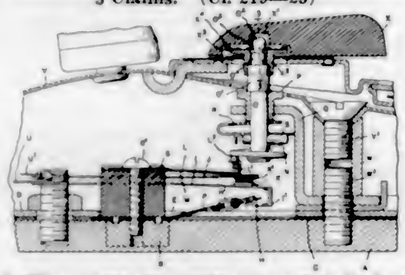
1. Apparatus for separating suspended particles from gas comprising walls forming a hollow box, means providing a passage for the flow of gas directly above the box, deflector elements located in the passage and arranged to collect particles from the gas, the upper wall of the box having openings therein through which the particles may descend into the box, means for discharging the particles from the box, and a baffle at the outlet end of the passage arranged to receive the impact of a portion of the gas and transfer the impact pressure thereof into the box, the box terminating adjacent said baffle.

2,235,893

THERMOSTAT

Frank Kuhn, Grosse Pointe Farms, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan

Application April 1, 1940, Serial No. 327,308
5 Claims. (Cl. 219—25)



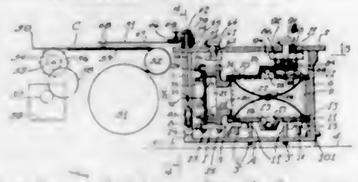
4. The combination with an electrically heated base plate having its working surface on the underside thereof, of an insert in said base plate extending into proximity to said working surface and formed of material of relatively high thermal conductivity, an insulator block above said insert and extending on opposite sides thereof, a thermostatic bar having an end portion thereof in contact with said insert beneath said block and extending outward therefrom, a pair of flexible resilient conductor strips secured to opposite sides of the upper face of said block and converging therefrom into vertically spaced registration at their outer ends, cooperating contacts on the adjacent faces of the registering portions of said strips, an operating connection between said thermostatic bar and one of said resilient conductor strips, and means for clamping said block and thermostatic bar against said insert.

2,235,894

DEVICE FOR RECORDING PULSE WAVES, RESPIRATION, AND BLOOD PRESSURE CHANGES

Clarence D. Lee, Berkeley, Calif.

Application January 18, 1938, Serial No. 185,540
12 Claims. (Cl. 128—2.05)



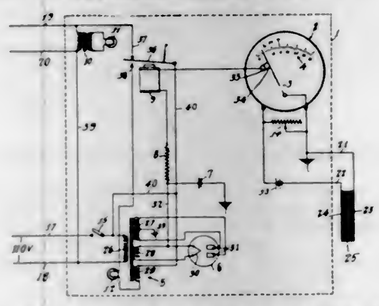
1. In a device of the type described, a compartment having two opposing walls, a diaphragm secured to each wall and forming a high pressure, air confining space with each wall, means for delivering air under pressure to each space for inflating the diaphragms, the centers of said diaphragms moving towards each other during inflation, said compartment having a low pressure region lying outside of the high pressure spaces, means for placing the low pressure region in communication with the atmosphere, said last-named means being closable for confining the air within the low pressure region, and a diaphragm forming a part of the wall enclosing the low pressure region, said last-named diaphragm flexing in accordance with variations in pressure in the high pressure regions when the low pressure region is closed to the atmosphere.

2,235,895

METHOD AND APPARATUS FOR PERMANENT HAIR WAVING

James Albert Maize, Salt Lake City, Utah, assignor to Harry B. Stowe, Salt Lake City, Utah, as trustee

Application April 2, 1938, Serial No. 199,659
11 Claims. (Cl. 219—24)



11. In a permanent waving apparatus, hair-heating means, and means for controlling said heating means in response to variations of electrical conductivity of hair heated by said heating means.

2,235,896

COMMUNICATION CABLE APPARATUS MOUNTING

Edgar M. Matthews, Jamaica, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 22, 1939, Serial No. 269,508
7 Claims. (Cl. 178—46)



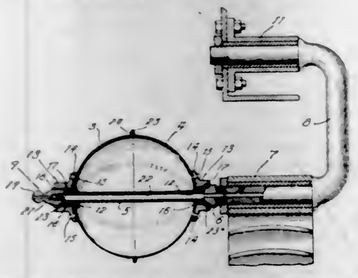
1. In a communication cable, a plurality of conductors enclosed within a common sheath, a unitary insulator enclosed also within said sheath, for insulating and spacing said conductors each with relation to the other, and means in said insulator for mounting electrical apparatus.

2,235,897

LUBRICATOR

George L. Moore, Chicago, Ill.

Application February 3, 1938, Serial No. 188,529
6 Claims. (Cl. 184—105)



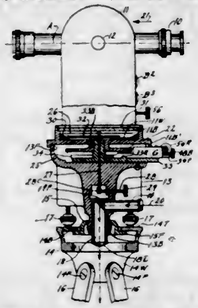
1. In a lubricator, a dilatable member of elastic material such as rubber and the like having a passageway therein and adapted to receive lubricant within and to discharge lubricant from said passageway, said passageway serving as a reservoir, means for securing said member to a bearing in lubricant feeding relation thereto, and means including a check valve providing a lubricant supply duct connected with said passageway for engagement by a lubricant supply nozzle whereby to fill said passageway.

2,235,898

SURVEYING INSTRUMENT

James C. Niemeyer, St. Paul, Minn.

Application January 3, 1939, Serial No. 249,000
3 Claims. (Cl. 33—69)



2. A dial hand manipulating device comprising in combination with a circular dial disc, a dial gear concentric of said dial and a hand fixed concentric of the hub of said gear, said device comprising an L-shaped base with an upright stud within its angle and comprising a bearing for said dial gear, an upper L-shaped frame superposed on said base, a worm gear and shaft on said upper frame in horizontal plane and tangential to the dial gear, said upper frame mounted for reciprocal movement on the base and spring-pressed in a direction to mesh said worm and the dial gear, means for moving said upper frame to disengage the gear and worm, a mechanism housing in said upper frame comprising a train of gears and pinions, all in vertical plane and rotatably mounted on countershafts and rotatably connected with said worm shaft, secondary dials on predetermined ones of said gear shafts to indicate fractional and subfractional movement of the main dial gear.

2,235,899

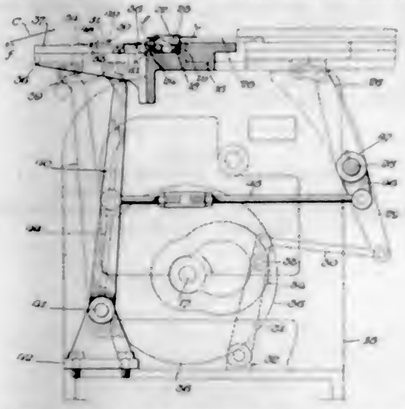
MACHINE FOR BOOKING MATCHES

John R. Nolan, Larchmont, N. Y., assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware

Application April 30, 1940, Serial No. 332,426
9 Claims. (Cl. 93—2)

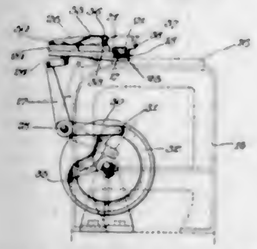
1. In combination with a travelling carrier constructed to receive and transport a succession of assembled covers and cards, said covers having resilient end folds adapted to enclose the adjacent ends of the complementary cards, means including a hook for extracting from the carrier inserted covers from which the cards have been omitted, said hook having an entrant space for the reception of the free edges of the end folds of empty covers presented thereto, and means for moving said hook toward and from one side of the carrier in a path extending transversely of and beyond the path of the folds of the covers borne by the carrier, said entrant space when the hook reaches the limit of its forward movement being coincident with the plane of the free edge

of the proximate end fold of an empty cover, but being deflected by the end fold and contents of



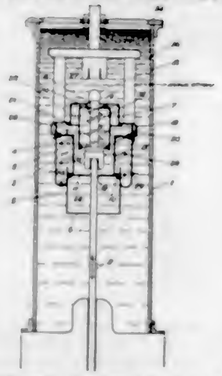
a filled cover to non-coincidental relation with the plane of the free edge of the latter fold.

2,235,900
MACHINE FOR BOOKING MATCHES
John R. Nolan, Larchmont, N. Y., assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application May 17, 1940, Serial No. 335,661
4 Claims. (Cl. 93—2)



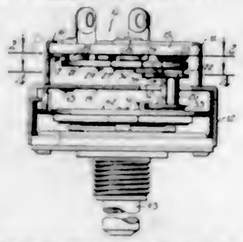
1. In a match booking machine embodying a travelling carrier having pockets to receive and transport a succession of assembled covers and match cards, means for ejecting from the pockets cards from which the covers have been omitted, comprising a pendulous element extending normally below the path of the tops of the pockets and having an axis of oscillation above and longitudinally of said path, and means for supporting said pendulous element and bodily reciprocating it in timed relation to the carrier in a path transversely of the carrier and beyond the respective ends of the adjacent pocket, said element including a base and a pusher spaced below and in co-operative relation to said base, whereby during the reciprocation of said element the base co-acts with and passes over the upper surface of the carrier, thus temporarily maintaining the element including the pusher above and in inclined relation to the path of the carrier, and whereby said element when it passes beyond the forward end of a pocket from which a cover is absent descends to its normal position, thereby locating the pusher to enter such pocket during the rearward stroke of said element, thus ejecting the opposing uncovered cards.

2,235,901
ELECTRIC CIRCUIT BREAKER
Daniel Rönnberg, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application November 9, 1937, Serial No. 173,585
In Sweden November 14, 1936
6 Claims. (Cl. 200—150)



1. In an electric circuit breaker an arc-extinguishing pot, a main contact pair enclosed in the said pot, an auxiliary contact pair arranged outside the pot and series connected with the main contact pair, a dash pot mechanism retarding the opening of the auxiliary contact pair, an operating mechanism acting on the main contact pair, a spring acting on the auxiliary contact pair in the opening direction, and a differential piston actuated by the pressure generated by the arc in the arc extinguishing pot, said piston being connected with one of the contacts in the auxiliary contact pair and acting in the opening direction.

2,235,902
SWITCH
Newton C. Schellenger, El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
Original application June 6, 1936, Serial No. 83,963, now Patent No. 2,177,284, dated October 24, 1939. Divided and this application October 14, 1939, Serial No. 299,546
4 Claims. (Cl. 200—67)



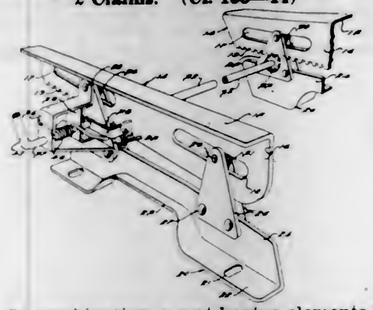
1. In an electric snap switch of the character described: a movable contactor; a spring toggle for snapping the contactor from one position to another, said spring toggle including a cam member mounted to oscillate about a fixed axis between predetermined limits, said cam member having a part extending radially from its axis of oscillation, the outer edge of which has a C-shaped opening therein to provide two spaced undercut abutments the extremities of which are rounded; and a flat blade-like actuating lug movable flatwise in an arcuate path which enters the C-shaped opening for transient engagement with the rounded extremity of one of said abutments to swing the cam member from one position to the other, said C-shaped opening and the lug being so shaped and proportioned as to insure the rounded extremities of the abutments engaging only the flat sides of the lug, and the paths of movement of the lug and cam member during actuation thereof being so related that the rounded extremities of the abutments roll on the flat sides of the lug to reduce friction to a minimum.

2,235,903
CORE STRUCTURE FOR DYNAMOELECTRIC MACHINES
Kurt Schönfelder, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 14, 1940, Serial No. 323,918
In Germany December 24, 1938
15 Claims. (Cl. 171—252)



1. A core structure for a dynamoelectric machine comprising a plurality of laminations disposed in a stack, each of said laminations having teeth on its periphery forming slots between them, and each of said teeth being divided into parts which are in frictional engagement with each other to cause a strong damping effect on vibration of the teeth.

2,235,904
SEAT TRACK
Lorenz C. Schulz, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application April 4, 1938, Serial No. 199,875
2 Claims. (Cl. 155—14)



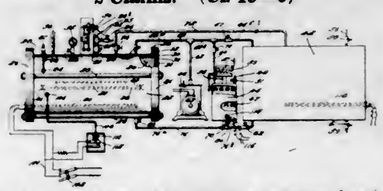
1. In combination, a seat having elements having a pair of spaced parallel longitudinally extending flanges projecting downwardly therefrom, each of said flanges having a longitudinally extending slot therein, and rack teeth on the downwardly extending edges of the flanges, a supporting means for each of said flanges comprising upstanding elements extending on opposite sides of each of said flanges, a shaft journalled in said supporting means, pinions carried by said shaft engaging said rack teeth, rollers journalled on said upstanding elements and positioned in said slots for rolling engagement with the walls thereof, and a latch engageable with the rack teeth of one of said flanges for latching said seat in adjusted position.

2,235,905
FISH BAIT
Eben E. Sherwood, Evanston, Ill.
Application June 7, 1937, Serial No. 146,873
7 Claims. (Cl. 43—45)



1. A fish lure plate having spinner fins and vanes projecting laterally from said plate and transverse to said pins, said vanes being spaced axially along the plate, and means on said vanes and spaced from said plate for anchoring strips of pork rind or the like.

2,235,906
APPARATUS FOR MOLDING
John H. S. Skoning, East Providence, R. I., assignor, by direct and mesne assignments, to Skoning Corporation, Providence, R. I., a corporation of Rhode Island
Application May 7, 1936, Serial No. 78,419
2 Claims. (Cl. 18—6)

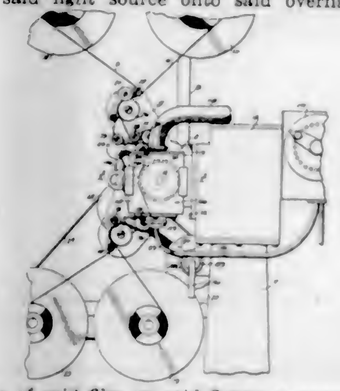


1. An apparatus for use in applying heat and pressure in equal intensities on all exposed surfaces of an article to provide a smooth even finish on the surface of said article, comprising a sealed high pressure container, a reservoir for storing immersion liquid, a vacuum pump having a suction portion, means to operatively connect said sealed container and said suction portion of said vacuum pump to exhaust said container to a substantial vacuum to remove substantially all fluid from said container and article, means to open said reservoir to atmospheric pressure and to operatively connect said reservoir with said exhausted sealed container to permit by atmospheric pressure flow of immersion liquid to substantially fill said sealed container, means to apply heat to the immersion liquid within said container to heat said immersion liquid and article and by the thermal expansion of said immersion liquid apply substantially equal amounts of pressure to all exposed surfaces of said article, thermostatically controlled means to maintain a set temperature within said sealed container, means to open said sealed container to atmospheric pressure and to operatively connect said storage reservoir to said suction portion of said vacuum pump to maintain a sufficient vacuum within said storage reservoir to permit by atmospheric pressure flow of purified immersion liquid from said container to said storage reservoir.

2,235,907
CONTACT PRINTER
Albert W. Tondreau, Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application September 17, 1938, Serial No. 230,523
12 Claims. (Cl. 95—75)

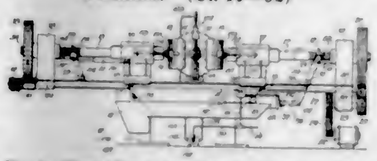
1. In a film printing apparatus, a rotatable

film supporting member having a cylindrical flange thereon, said flange being adapted to support a film with a portion of said film overhanging said flange and said flange having an aperture extending therethrough, a light source, an optical system for projecting a beam of light from said light source onto said overhanging



portion of said film on said flange, a mount for said optical system, a second light source, means on said mount for supporting said second light source within said flange, said light source being directed toward the path of movement of said aperture, and a shielding member intermediate said second light source and the overhanging portion of said film.

2,235,908
THREADING MACHINE
John J. Tyne, Oak Park, Ill., assignor to Tyne Co., Chicago, Ill., a corporation of Illinois
Application September 22, 1938, Serial No. 231,214
3 Claims. (Cl. 10—92)



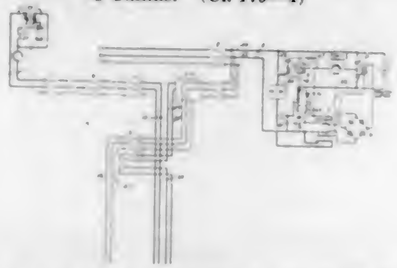
1. In a threading machine of the class described, in combination, a main frame, bearing supports mounted in fixed position upon said frame, a pair of coaxial shafts supported for rotation and axial sliding movement in said bearing supports, a pair of threading die heads, one at the inner end of each of said shafts and adapted to be rotated and moved axially by said shafts, gears splined on said shafts outwardly of said bearing supports, a driving shaft extending longitudinally of the machine and having a gear at one end meshing with one of said first gears, a gear on the opposite end of said shaft, an idler gear meshing with said last gear and with the other of said first mentioned gears, a lever pivoted on said frame and coacting with one of said first mentioned shafts for shifting same axially by swinging movement of said lever, a second lever pivoted on said frame and coacting with the other of said first-mentioned shafts for shifting same axially by swinging movement of said lever, linkage means connecting said levers for swinging one of said levers by the swinging movement of the other lever and in a direction opposite the direction of swinging movement of said other lever, means for supporting a member to be threaded between said threading die heads and coaxial therewith, a fluid pressure cylinder, a piston operable in said cylinder and connected to one of said levers for shifting the threading die heads in opposite directions to engage the opposite ends of the member to be threaded and for retracting said threading die heads from the opposite ends of said member, a fluid pressure supply line, and valve means operable to supply fluid pressure selectively to the opposite ends of said fluid pressure cylinder.

2,235,909
SHIELDING HOLDER FOR FRUIT
Julius H. Wald, Chicago, Ill.
Application April 15, 1940, Serial No. 329,721
9 Claims. (Cl. 100—49)



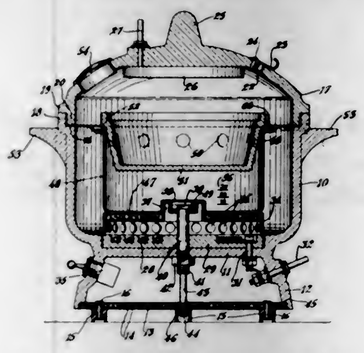
1. A shielding holder for a spherical sector of a fruit having a flexible rind and a juicy pulpy interior, comprising a sheet member of thin flexible transparent material shaped to provide a gripping and shielding member to engage the ring substantially from tip to tip of the sector, and means engageable with the pulp for holding said shielding member in position on the sector, said pulp-engaging means and shielding member together extending completely around the middle portion of said sector.

2,235,910
TELEPHONE SYSTEM
Paul V. Welch, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1939, Serial No. 307,597
8 Claims. (Cl. 179—4)



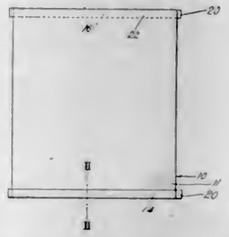
1. In a telephone system, a central office, a subscriber's line terminating therein, said line having a substation thereon, a telephone at the substation of said line normally in operative connection with said line, a message recording device at said substation, means at said substation controlled over said line for rendering said telephone ineffective and for operatively connecting said recording device to said line, a source of current at the central office for operating said recording device over said line, and a signaling circuit including said line for controlling said recording device to record messages.

2,235,911
ELECTRIC CASSEROLE
Albert C. Wilcox, Minerva, Ohio
Application September 19, 1938, Serial No. 230,585
4 Claims. (Cl. 219—44)



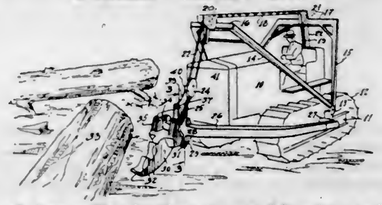
1. An electric casserole including an outer shell, a heating element in the lower portion of the outer shell, an inner shell above the heating element and spaced around its sides from the outer shell and open at its upper end, a food container supported at the upper open end of the inner shell, a cover upon the outer shell, an inturned flange at the upper end of the outer shell extending to the inner shell, and an inturned flange upon the cover adapted to rest upon said flange on the outer shell, there being openings in said flanges adapted to register when the cover is in one position and adapted to be closed when the cover is in another position.

2,235,912
SHEET OF ABRASIVE MATERIAL
Bulkeley F. Winslow, Brookline, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 15, 1939, Serial No. 273,733
4 Claims. (Cl. 51—190)



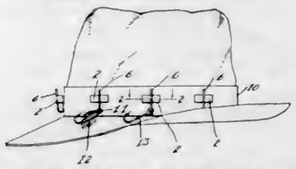
1. An article of manufacture comprising a sheet of material having an abrasive coating upon one of its surfaces and having its end margins upon opposite surfaces of the sheet provided with a layer of pressure-responsive adhesive material to enable said end margins to be joined in lapped relation, said adhesive material covering the grains of abrasive material and substantially filling the spaces between them, said adhesive material also having flexible and resilient properties to contribute to the making of a yieldable joint without requiring removal of the abrasive coating at the joint.

2,235,913
LOG ROLLER
Walter H. Beane, Klamath Falls, Oreg.
Application June 20, 1939, Serial No. 280,095
4 Claims. (Cl. 214—130)



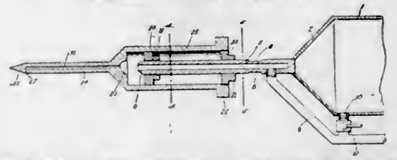
1. A log roller having in combination a land travelling vehicle and a narrow inclined jaw projecting forwardly from said vehicle means for varying the angularity of said jaw with relation to the ground together with means for raising and lowering said jaw while said vehicle is being operated.

2,235,914
HOLDER FOR FISHING FLIES AND THE LIKE
John W. Beck, Madill, Okla.
Application July 24, 1940, Serial No. 347,281
4 Claims. (Cl. 43—32)



1. A holder for fishing flies, hooks, and the like and attachment to a hat band comprising a flat head, a split shank extending from one side of said head for extension through said band and clinching to the rear side of the band, and a resilient clip comprising an open loop depending from said shank and having an end attached to the shank and a free end extending across the opposite side of said head and bearing against the same, said clip being adapted for extension through the eye ends of the fishing flies, hooks or the like.

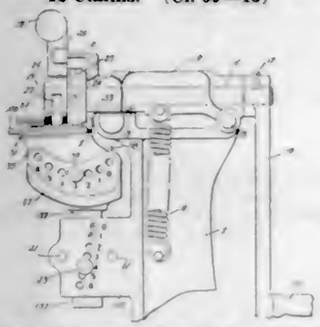
2,235,915
FIRE EXTINGUISHER
Edward R. Bohan, Sanborn, Iowa
Application July 20, 1940, Serial No. 346,611
4 Claims. (Cl. 169—31)



3. A fire extinguisher of the class described comprising a cylinder, a tubular nozzle connected to the front end thereof, the nozzle ending in a point, the bore of the nozzle having an outlet end passing through a side wall of the nozzle adjacent its pointed end, a closure member in the rear end of the cylinder, a piston slidably arranged in the cylinder, a tube connected with the piston and slidingly passing through the closure member, said tube having a projecting part at the piston of conical shape and the nozzle end of the cylinder having a recess therein for

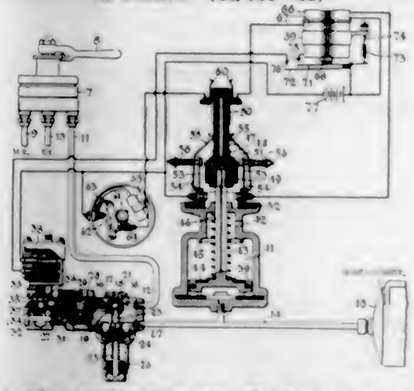
receiving the conical end of the tube, a tank having one end connected with the rear end of the tube and means for connecting the tank with the bore of the tube, said means including a tube having one end connected with the bore of the first-mentioned tube, branch tubes connecting the second tube with both ends of the tank, and a valve in each short tube.

2,235,916
SKIVING MACHINE
Francis L. Brandt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 12, 1940, Serial No. 313,597
12 Claims. (Cl. 69—13)



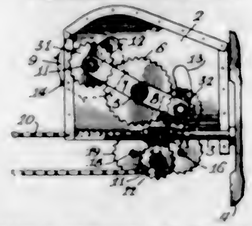
1. A skiving machine having in combination a knife, a stationary work-support, a feed roll for advancing the work over the work-support to the knife, and means for mounting the work-support for angular adjustment about an axis which extends in the direction of feed movement of the work to vary the inclination of the scarf.

2,235,917
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application October 23, 1939, Serial No. 300,824
11 Claims. (Cl. 303—21)



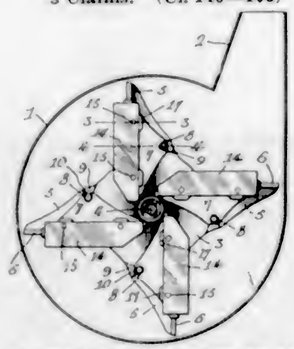
1. The combination of a fluid pressure operated brake-applying means for a vehicle; a brake valve for supplying pressure fluid to and for exhausting it from said means; pressure limiting means for limiting the pressure developed in the brake applying means; electrically controlled means operable to suspend the pressure limiting function of said limiting means; means responsive to vehicle speed for controlling the energization of said electrically controlled means; a pressure operated switch subject to a pressure controlled by said brake valve during its supply and exhaust functions and arranged to put said speed responsive means into controlling relation with said electrically controlled means as an incident to supply; and means for inhibiting the last-named action as an incident to exhaust.

2,235,918
FEED MECHANISM FOR AN ENSILAGE CUTTING MACHINE
Amedee Dion, Ste.-Therese de Blainville, Quebec, Canada
Application September 15, 1938, Serial No. 230,078
In Canada August 16, 1938
1 Claim. (Cl. 146—78)



In a cutting machine of the character described, a bin, a cutting wheel at the outlet thereof, a pair of independently pivotally mounted supports in said bin and movable in vertical planes, a feed roller carried by one of said supports, a preliminary cutting roller carried by the other support between the first roller and wheel, said rollers being raised and lowered in arcuate paths by said supports, a complementary cutting roller adjacent to the said preliminary cutting roller, a bolt passed through the axis of each roller for maintaining the latter on its respective support, the adjacent walls of said bin having arcuate slots receiving and guiding the ends of said bolts, said ends being adapted to rest on the lower ends of said slots, and means for driving said rollers in a direction to advance material to be cut towards said wheel.

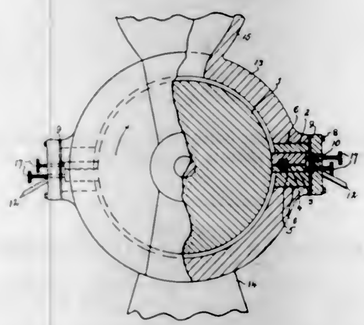
2,235,919
CUTTER FOR ENSILAGE AND THE LIKE
Amedee Dion, Ste.-Therese de Blainville, Quebec, Canada
Application September 15, 1938, Serial No. 230,079
In Canada August 16, 1938
3 Claims. (Cl. 146—106)



1. In a cutter of the character described, a

rotatable body, said body having a flange perpendicular to the plane of rotation, a plate attached to said body and bearing against one edge of said flange, a blade engaging said plate, a bolt passing through said blade, plate, and body, a tube on said bolt and passing through said body, a nut adjustable on said tube and engaging said body, and means for tightening said bolt.

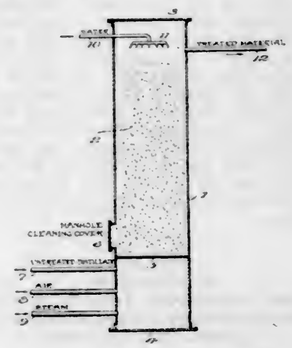
2,235,920
MILL FOR GRINDING PAINTS, ENAMELS, INKS, AND OTHER VISCOUS SUBSTANCES
William Thompson Forsyth, Whitecraigs, Scotland
Application November 27, 1939, Serial No. 306,240
In Great Britain September 28, 1938
3 Claims. (Cl. 83—22)



1. A mill for grinding paints, enamels, inks and other viscous substances, comprising a stationary cylinder supported upon a base plate, a hopper integral with said cylinder, a grinding roller rotatably mounted in said cylinder, a housing in said cylinder, two relatively displaceable grinding blocks mounted in said housing with their grinding faces bearing against the grinding roller and a substantially narrow channel for discharge of the ground material between adjacent faces of said blocks which extend nearly the full length of the blocks and transversely from the inner face to the outer end of the blocks, screw means for adjusting the pressure on the blocks so that the pressure per unit area of contact of the second block with the periphery of the grinding roller is greater than the pressure per unit area of contact of the first block with the periphery of said roller and at least one filtering device extending across the narrow channel in said grinding blocks adapted to filter the ground material.

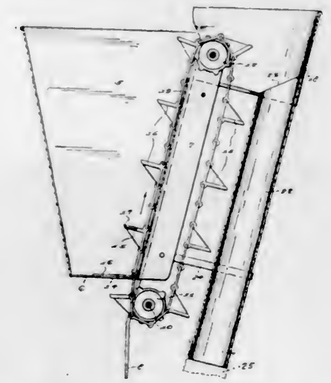
2,235,921
CHEMICAL TREATMENT OF PETROLEUM DISTILLATES
Leslie U. Franklin, Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 24, 1937, Serial No. 127,515
1 Claim. (Cl. 196—30)

The process of sweetening a sour petroleum distillate, which comprises passing such a distillate through a pervious bed of small non-absorbent, non-porous inert solid particles moistened with an aqueous medium containing cupric and chloride ions, capable of reaction with mercaptans present in the distillate to form disulfides and cuprous chloride capable of regeneration by means of oxygen, and supplying sufficient moisture to the bed in addition to any formed in regeneration, to supplant moisture removed in



excess by entrainment in said distillate and to maintain the bed in a substantially uniformly moist but not pasty condition.

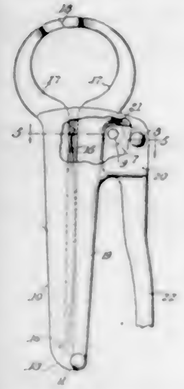
2,235,922
PLANTING MECHANISM
Edwin P. Friesenhahn, San Antonio, Tex., assignor of one-half to G. O. Eastman, San Antonio, Tex.
Application April 19, 1940, Serial No. 330,607
2 Claims. (Cl. 221—128)



1. In a device of the class described, a hopper open at its upper end and having an opening in its lower end, flexible gates for closing the opening in the lower end of the hopper to prevent the escape of seed potatoes from said hopper, a conveyor mechanism supported by said hopper with one run thereof passing upwardly through the hopper by way of the opening in the lower end thereof and said gates and including a plurality of relatively spaced flights each adapted to accommodate a single seed potato obtained from the hopper, a catch basin carried by the upper portion of the hopper and having the conveyor mechanism extending therein for the deposit of seed potatoes into said catch basin from the flights of the conveyor mechanism, a discharge tube connected with

the catch basin and terminating below the hopper, a flexible pipe connected to said tube and extending to the ground, an attaching flange formed on the hopper and forming a support for one end of the conveyor mechanism and the catch basin, an attaching frame secured on the hopper and extending below the latter and forming a support for the lower end of the conveyor mechanism, a bracket embracing the discharge tube and secured to the attaching flange, said catch basin including upstanding walls having portions thereof paralleling and terminating in flared ends to form a mouth for the accommodation of the upper portion of the conveyor mechanism and to permit the flights to enter said catch basin for the discharge of seed potatoes therein.

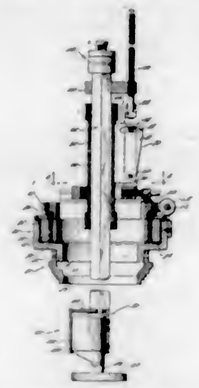
2,235,923
CASTRATOR
Bennett B. Gardener, Lake Creek, Oreg.
Application September 5, 1939, Serial No. 293,479
1 Claim. (Cl. 128—306)



A tool of the class described comprising, levers, means pivotally connecting the levers together at one end, a spring between the levers normally holding the levers spread apart, means for moving the levers against the tension of the spring toward each other, and resilient arcuate jaws on the ends of the levers terminating in flat working faces disposed obliquely to the path of the movement of the jaws, said working faces being offset from the central longitudinal axis of the tool, both resilient jaws co-acting in yielding relatively to each other to permit the working faces sliding one upon the other when said means is moved to operative position.

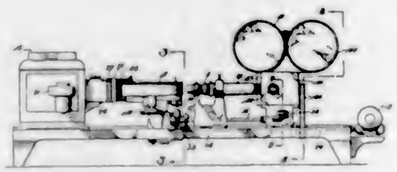
2,235,924
PORTABLE ANGULAR BORING BAR WITH GRINDER
Ralph Ernest Gignoux, Bakersfield, Calif., assignor to Hopper Machine Works, Inc., Bakersfield, Calif., a corporation of California
Application April 2, 1940, Serial No. 327,486
16 Claims. (Cl. 51—245)

1. In a device as described, the combination of a hollow supporting base adapted to fit on a pump at an opening therein, a bearing plate rotatably mounted on said hollow base, a cross feed support assembly mounted on said bearing plate, an arbor guide assembly having a tilting mounting on the cross feed support assembly, an arbor mounted in said guide assembly extending through the bearing plate and the hollow base, a motor attached to the lower end of the arbor and



a rotatable grinder connected to and operated by the motor and means to feed the arbor in an axial direction.

2,235,925
APPARATUS FOR PHOTOGRAPHIC PRINTING BY PROJECTION
Otto C. Gilmore, Van Nuys, Calif., assignor to Cosmocolor Corporation, New York, N. Y., a corporation of Delaware
Application May 25, 1939, Serial No. 275,752
10 Claims. (Cl. 88—24)

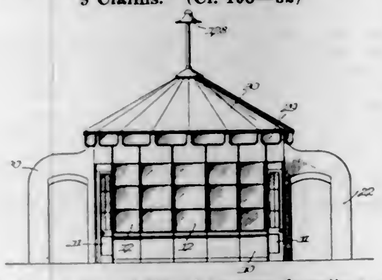


1. A photographic motion picture printing apparatus which comprises in combination, means for advancing film bearing images in pairs within a magazine, means for positioning said magazine so that one image of each pair is passed through the optical axis of the apparatus, means for advancing an unexposed double emulsion film through a second magazine, means for positioning said second magazine so that the film passes through said optical axis, power means for driving said film advancing means, means for projecting a series of images from said first film to said second film to be recorded thereon, means for rewinding said films, said films being rethreaded in said magazines with their opposite sides toward the exposure apertures, means for adjusting said first magazine to intersect the optical axis with the other image of each pair, means for adjusting the second magazine to register the newly projected images with the images recorded thereon, means for projecting said second series of images from said first film to the said second film to be recorded thereon, means for advancing said first film in an opposite direction, means for advancing said second film in the same direction, and power means for driving said film advancing means.

2,235,926
GREASE
Torsten Hasselstrom, Savannah, Ga., assignor to G & A Laboratories, Inc., Savannah, Ga., a corporation of Georgia
No Drawing. Original application September 29, 1937, Serial No. 166,443. Divided and this application December 2, 1939, Serial No. 307,281
3 Claims. (Cl. 252—32)

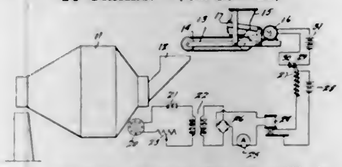
1. A grease including as a setting agent the crude, non-crystalline, brownish insoluble product obtained by treating a mixture of dehydrogenated and hydrogenated rosin with concentrated sulfuric acid under conditions which promote sulfonation and removing the sulfonic acid by aqueous extraction.

2,235,927
REVOLVING CANOPY OR ROOF
John William Homer Handley, Atlanta, Ga., assignor of one-half to John Kimsey Ezell, Atlanta, Ga.
Application September 26, 1938, Serial No. 231,796
9 Claims. (Cl. 108—32)



3. Apparatus of the character described comprising a portable building having side walls and a roof, ventilators for the interior of the building in said roof, a substantially conical canopy mounted for rotation above said roof and extending outwardly beyond the edge thereof, the apex of said conical canopy being open to provide a central vent from beneath the same, said side walls extending above said roof and upwardly beneath the outer edge of said canopy.

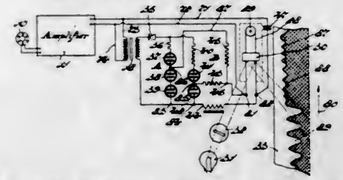
2,235,928
APPARATUS AND METHOD FOR CONTROLLING GRINDING DEVICES
Harlowe Hardinge, York, Pa., assignor to Hardinge Company, Inc., York, Pa., a corporation of New York
Application January 4, 1939, Serial No. 249,291
10 Claims. (Cl. 83—44)



1. In a control system for a mill in which vibrations set up by the mill are a function of the operating condition of the mill, a feeder for delivering material to said mill, means for actuating said feeder, a microphone positioned with respect to said mill for picking up the vibrations emanating therefrom, means responsive to the vibrations picked up by said microphone for controlling the feeder actuating means, and separate means for varying the degree of reaction of the vibration responsive means whereby the system may be balanced with respect to a desired vibration level and to thereby maintain such level substantially constant, and which separate means may also be adjusted to establish any desired operating condition of the mill with its corresponding vibration level.

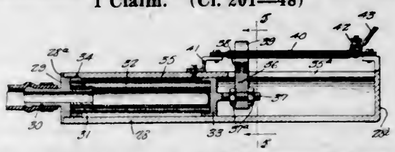
8. A method of regulating the feed to a mill in which vibrations set up by the mill are a function of the operating condition of the mill and in which provision is made for actuating a feeding device by means of an electrical circuit, comprising the steps of feeding material to the mill at a given rate and thereby establishing a certain operating condition in the mill having a corresponding vibration amplitude, translating the acoustic energy of the vibrations into electric energy in said circuit so that variations in the acoustic energy effect corresponding variations in the electric energy so as to secure a rate of feed for maintaining a definite and substantially constant operating condition in the mill, and varying the operating condition in the mill, and may be desired, by changing the ratio of translation of acoustic energy into electric energy.

2,235,929
NOISELESS SOUND RECORDING
Jacob Hendrich, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 31, 1939, Serial No. 287,680
In Germany August 30, 1938
6 Claims. (Cl. 179—100.3)



1. A noiseless sound recording system comprising electrical recording means, means for supplying alternating sound currents to said recording means, and means for supplying to said recording means rectified control currents of predetermined value to stepwise change the zero line of the track in accordance with the amplitudes of the sound being recorded, said latter means comprising a plurality of discharge tubes which ignite at a voltage exceeding a predetermined value and including a voltage stabilizer tube.

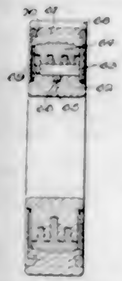
2,235,930
PNEUMATIC TIRE AIR PRESSURE INDICATING MEANS
James D. Huggins, Jr., Boiling Springs, N. C.
Application September 23, 1938, Serial No. 231,438
1 Claim. (Cl. 201—48)



In combination, an electric circuit having an electrically sensitive tire pressure indicating means interposed therein, a resistance in said circuit and including a wiper contact electrically

engaging said resistance, and a tire pressure operated device interposed in said circuit for actuating said contact and comprising a cylinder provided with a bore, a member slidably mounted in said bore, a spring electrically connecting said member to said cylinder and for moving said member in one direction, an inflatable tube disposed within said spring and connected to said cylinder and engaging said member for moving the latter in an opposite direction upon inflation of said member by pressure from said tire, and a circuit closing arm carried by said member and connected to said contact for shifting the latter relative to the resistance in response to pressure in the tire.

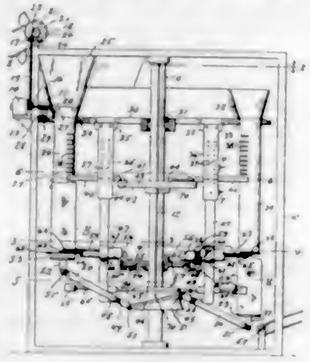
2,235,931
BEARING
Albert Kingsbury, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa., a corporation of Delaware
Application May 24, 1938, Serial No. 209,845
12 Claims. (Cl. 308—73)



1. In a bearing, the combination of rotatable bearing members including one or more bearing shoes provided with means for mounting the same whereby each shoe may tilt to provide a wedge-shaped oil film, a support on which said mounting means for each shoe is carried, and means in addition to said means for tiltably mounting each shoe and including a plurality of cooperating ribs and slots between each shoe and its support for rapidly conducting heat from said shoe to its support, said means providing a heat-conducting path which is independent of said mounting means.

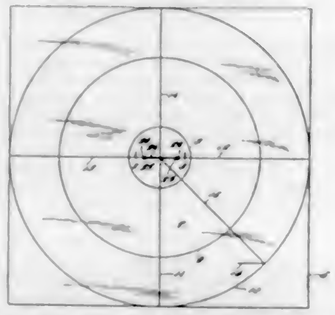
2,235,932
COAL BAGGING MACHINE
Michael Kutil, Sheboygan, Wis., assignor, by direct and mesne assignments, to Kutil Engineering Company, a corporation of Wisconsin
Application June 7, 1939, Serial No. 277,899
5 Claims. (Cl. 226—61)

1. In a device of the kind described, a frame, a vertical shaft supported in said frame, a disk mounted to rotate on said shaft, a hopper extending over an arcuate portion of said disk, an annular hopper carried by the disk and slidably engaging the first hopper, a series of measuring tubes depending from said disk and opening upwardly into the second hopper, bag supports each vertically alined below a respective measuring tube, means fixed on said shaft for alternately elevating and lowering said bag supports, said last means holding the bag supports elevated upon the tubes being respectively located beneath the first hopper, means to effect rotation of the bag supports around said shaft, a cam member mounted about said shaft, means actuated from the cam member for operating against an upper portion of a bag and closing the bag, means actuated from the cam member for twisting a binding wire about the closed upper end



of the bag, and means acting in timed relation to the rotation of the bag supports for pushing said bags from said supports after tying after upper ends of the bags have been closed and secured.

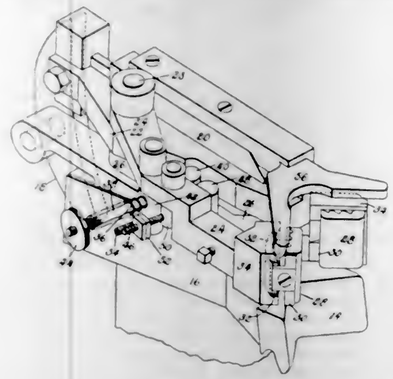
2,235,933
SKILL GAME
Aarne Laine, New York, N. Y.
Application September 25, 1939, Serial No. 296,455
1 Claim. (Cl. 273—102)



A goal for an apertured game board, said goal including a pair of posts each of which has a reduced bottom end portion engaged in said apertured game board, a barrier having substantially straight parallel top and bottom edges and straight parallel side edges secured to and between said posts above said reduced bottom end portions and contacting said game board at its bottom edge and uprights extending from said posts beyond the top edge of said barrier.

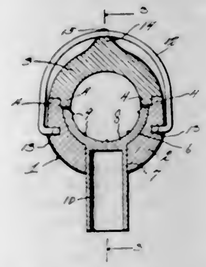
2,235,934
ASSEMBLING MACHINE
Harold Lane and George Haselton, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 6, 1940, Serial No. 322,556
In Great Britain April 11, 1939
8 Claims. (Cl. 12—4)

1. In a machine for assembling parts of shoes upon their lasts preparatory to lasting, the combination with an abutment constructed and arranged to engage the back-seam portion of an upper on a last of a pair of upper-engaging members constructed and arranged to engage and grip opposite sides of the back-seam portion of the upper at points adjacent to the lasting margin,



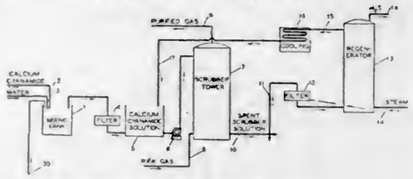
said members being movable bodily away from each other by wedging action of the last against them, means for resisting movement of said members away from each other to cause said members to tension the upper about the last, and means for limiting such bodily movement of said members away from each other.

2,235,935
BATTERY TERMINAL CLAMP
Oscar Lee, Fairfield, Mont., assignor of one-half to Fred C. Hanson, Great Falls, Mont.
Application December 16, 1939, Serial No. 309,663
4 Claims. (Cl. 173—259)



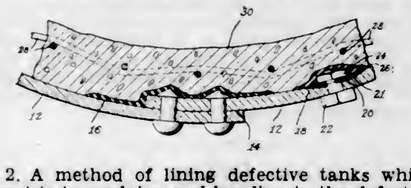
1. A battery terminal clamp comprising a relatively flat annular body formed of non-corroding non-current conducting material, said body being diametrically divided to form two portions having concave faces for disposition against a side of a battery terminal post, one of said portions having the concave face thereof recessed, a contact plate disposed within said recess, means facilitating the attachment of a cable to said plate, and a substantially U-shaped securing member pivotally attached to the said one of the portions and adapted to be swung into encircling relation with the other portion to maintain the two portions in coacting relation.

2,235,936
PROCESS FOR TREATING HYDROCARBONS
William Bruce Lerch, Clyde H. Mathis, and Eugene J. Gatchell, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application June 20, 1938, Serial No. 214,834
8 Claims. (Cl. 196—30)



1. The process of removing sulphur compounds from hydrocarbons which comprises passing said hydrocarbons through a bed of dry cyanamide.

2,235,937
TANK LINING AND METHOD
Andrew C. Linberg, Newton Center, Mass., assignor to National Gunite Contracting Co., Boston, Mass., a corporation of Massachusetts
Application August 5, 1938, Serial No. 223,351
5 Claims. (Cl. 72—14)



2. A method of lining defective tanks which consists in applying and bonding to the defective portions thereof at the inner face of the tank wall a sealing coat of resilient rubber composition from a homogeneous mass thereof, and forming a lining over the inner face of the tank wall and said sealing coat by covering the same with a layer of Portland cement composition.

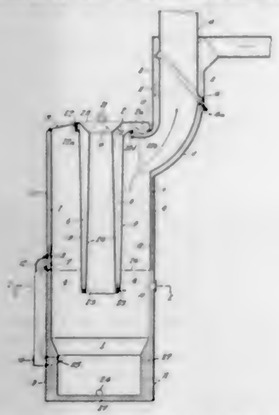
2,235,938
METHOD OF PRODUCING REACTION PRODUCTS OF AMMONIA AND ALDOSE SUGARS
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 15, 1938, Serial No. 235,281
11 Claims. (Cl. 260—211)

1. The method of producing a crystalline reaction product of an aldose sugar containing at least 5 carbon atoms and ammonia which consists in contacting the aldose sugar in a substantially anhydrous condition with an excess of anhydrous ammonia under a pressure of at least about 100 pounds per square inch at a temperature within the range of about 50° C. to about 90° C., and recovering a crystalline reaction product from the reaction mixture.

2,235,939
CUPOLA
Albert Maag, Chicago, Ill.
Application August 5, 1939, Serial No. 288,608
6 Claims. (Cl. 75—43)

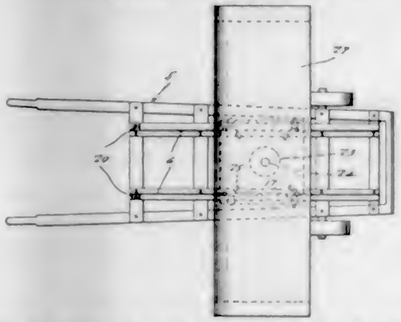
1. A cupola comprising an upright body portion having a melting chamber at the lower part

thereof, a fuel supply casing depending from the top of said cupola and terminating adjacent the lower portion of the cupola at the melting zone therein, said cupola including a space surrounding said fuel supply casing and containing a mass of metal to be melted within said cupola, means for discharging air in an outward, radial direc-



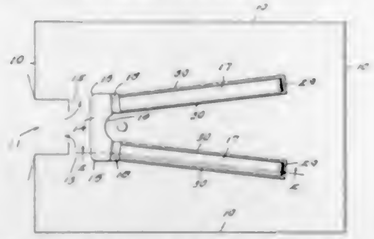
tion from the lower end of said fuel supply casing and into the gases escaping from the melting zone prior to the passage of said gases through the metal contained in the space surrounding said fuel casing, and means for discharging the gases from said cupola after the passage of said gases through the metal contained therein.

2,235,940
TRUCK
Anthony Martinich and John Jurkas, Stamford, Conn.
Application June 7, 1940, Serial No. 339,378
1 Claim. (Cl. 280—56)



In a device of the class described, a hand truck, a pair of longitudinally extending rails connected with the body thereof and each including an outwardly extending flange, a carriage, bolsters extending across the under side of the carriage, axles extending from the ends of the bolsters, wheels on the axles for engaging the flanges of the rails and each wheel having a flange at its inner end for engaging a vertical part of the rail, hangers extending from the side edges of the carriage and having holes therein through which the axles pass, means at the outer ends of the axles and engaging the outer faces of the hangers for holding the parts together, and a small roller carried by the lower end of each hanger for engaging the under side of a flange of a rail.

2,235,941
STORE SERVICE EQUIPMENT
Jesse H. Montgomery, St. Petersburg, Fla.
Application August 25, 1938, Serial No. 226,794
1 Claim. (Cl. 186—1)

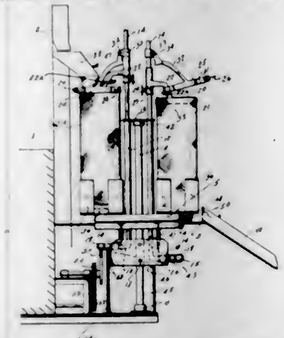


The herein described self-service store system of the kind comprising an enclosure having restricted entrance and exit ways, and comprising further appurtenances in combination, including an elongated transverse article sorting, segregating and sales delivery counter located between the entrance and exit ways, said counter having provision at its inner side and medially between the ends thereof as a working station for an attendant, a plurality of elongated tiers of shelving arranged separately and spaced laterally apart to provide aisles therebetween whereby customers may pass tortuously thereabout, the rows of shelving being located respectively at opposite sides of the attendant's station at the article sorting, segregating and sales delivery counter and extending convergently towards said counter, and a separate conveyor superimposed above each row of shelving and being of a width approximately that of the shelving and with its article-carrying flight at an elevation from the floor within reach of a person of average stature for the placing thereon of selected articles taken from the shelving beneath, the article-carrying flights of the respective conveyors traveling toward the common article sorting, segregating and sales delivery counter and having their discharge ends in cooperative delivering relation to the counter.

2,235,942
SACKING MACHINE
Ray Courtney Moore, Connell, Wash., assignor of one-half to Earl C. Brownell, Portland, Oreg.
Application December 17, 1938, Serial No. 246,467
6 Claims. (Cl. 226—55)

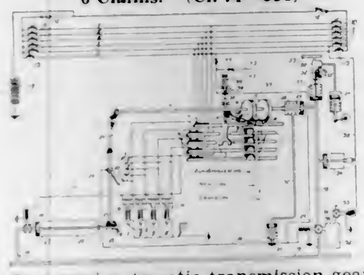
1. A machine for supporting sacks for filling, including a turntable, hollow volumns rising in spaced parallel relation from the turntable, a rod slidably movable in each hollow column, means adjacent and beyond each hollow column for receiving the lower end of a bag, means carried on each rod above its hollow column to fix a bag with respect to the rod with its open end in position for filling, the lower end of each rod being extended laterally, a roller on the end of each lateral terminal of the rod, a jogging cam to cooperate with the roller of one rod, a guide to maintain the laterally projected portions of both rods in substantial transverse alignment, a frame, the upper edge of the frame being inclined transversely from the cam, and a roller on each lateral extension of the rod to engage the inclined edge of the frame, whereby when the rods are

operated to raise them relative to the frame, the second mentioned rollers will negage the in-



clined edge of the frame and assist in reversing the bag position in manual movement of the turntable.

2,235,943
CHANGE GEARING
Otto Myllus, Berlin, Germany
Application January 16, 1939, Serial No. 251,227
In Germany January 24, 1938
6 Claims. (Cl. 74—334)

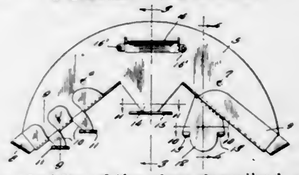


1. In a semi-automatic transmission gear synchronizing and shifting system for engine driven vehicles, a plurality of transmission gears each having a shifting device connected thereto, a plurality of electric switches at the driver's station each for controlling a corresponding transmission gear, a preselection shaft, mechanism for preliminarily rotating said preselection shaft into one or another of a plurality of positions respectively for cooperation with the shifting device associated with a selected gear, electric circuits connecting said switches individually with said mechanism for preliminarily rotating the preselection shaft for actuating said mechanism; electric contacts each corresponding with a transmission gear, means operated by said preselection shaft, rotating means for closing one or another of said contacts in dependence on the rotation imparted to said shaft according to the gear selected, means controlled by said contacts for moving said preselection shaft axially after arriving at the rotational position adapted to cooperate with the shifting device of the selected gear to move the selected gear axially, a plurality of gear speed synchronizing clutches each corresponding with a transmission gear and each having a first part connected with its corresponding gear and a second part connected with the gear with which its respective gear is to be connected, said clutch parts being brought into engagement by the axial movement of the selected gear whereby the selected gear attains the speed of the gear to which it is to be connected, and means for automatically moving the selected gear axially in the opposite direction into engagement with the gear with which it is to be connected after attaining its speed.

2,235,944
RUST PREVENTION AND REMOVAL
William B. D. Penniman, Baltimore, Md.; Nicholas G. Penniman, III, executor of said William B. D. Penniman, deceased
No Drawing. Application August 17, 1936, Serial No. 96,522
2 Claims. (Cl. 134—1)

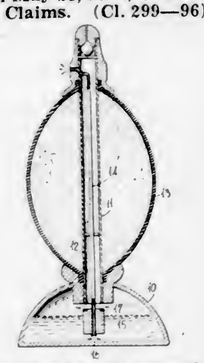
1. A rust preventing and removing composition comprising about 10% of boiled linseed oil including drier, 2% of pine oil, 2% of oleic acid, and the remainder petroleum oil distillate.

2,235,945
HOLDER FOR TOILET ARTICLES
Aaron C. Reid, Benson, Ariz.
Application March 28, 1940, Serial No. 326,520
3 Claims. (Cl. 211—87)



1. In a holder of the class described, a flat body plate adapted to be fastened in a vertical position to a supporting member, said plate having a lower edge part sloping from an intermediate portion of the plate downwardly and outwardly to a side edge of the plate and a tray forming member formed integrally with said edge and including a bottom part extending at right angles to the plate and integrally connected with said sloping edge and a front wall extending upwardly from the bottom member and an arcuate end wall for the tray having one end connected with the said side edge of the body plate and its other end with the adjacent end of the front wall, said arcuate wall sloping upwardly and outwardly.

2,235,946
ATOMIZER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application May 23, 1940, Serial No. 336,847
8 Claims. (Cl. 299—96)



3. In an atomizer having a liquid chamber with

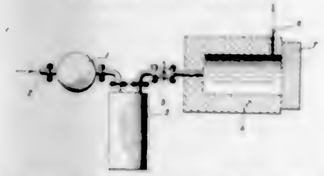
an opening for the inlet of air under pressure and a liquid outlet tube passing through the opening, means for automatically preventing liquid going out through the opening when the device is inverted.

2,235,947

PROCESS FOR THE GASEOUS CEMENTATION OF STEEL PIECES

Leon Saives, Billancourt, France, assignor to Louis Renault, Billancourt, France

Application March 13, 1939, Serial No. 261,668
In France March 30, 1938
1 Claim. (Cl. 148—17)



In a process for the cementation of steel articles in a stationary muffle, the step which consists in periodically supplying fresh cementation gas under high pressure intermittently to the muffle, whereby the pressure in the muffle will rise abruptly and will then gradually fall to its initial value whereby fresh cementation gas comes in contact with all parts of the surface of the steel articles.

2,235,948

PERFORATING, SCORING, AND PUNCHING ATTACHMENT FOR PRINTING PRESSES

Arnold J. Schwisow, Hopkins, Minn.

Application August 26, 1939, Serial No. 292,077
3 Claims. (Cl. 164—98)



1. In a printing press having a type bed, a movable platen, and a rocker bar, a rod secured to said rocker bar and extending across the face of said platen, said rod being forked and including a pair of substantially parallel spaced elements, cutting dies having oppositely disposed guides slidably contacting said spaced elements to support said dies between them, and means for connecting said spaced elements, said connecting means being adjustable to vary the spacing between said elements whereby said dies are releasably secured against sliding movement between said rods.

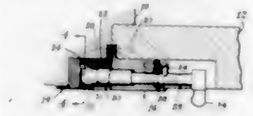
2,235,949

LOCK, COUPLING, AND THE LIKE

Edward L. Shaw, Brookline, Mass., assignor to Shawlock, Inc., Boston, Mass., a corporation of Massachusetts

Application June 14, 1938, Serial No. 213,602
3 Claims. (Cl. 292—59)

1. In a coupling, a member having a chamber therein with concave conical side walls, a second member having a longitudinally extending portion provided with convex conical side walls substantially corresponding to said concave side walls and having two oppositely disposed flats or the like therealong rendering the diameter of said portion less in the direction of said flats, the first named member having an opening into the chamber permitting the insertion of said portion of the second member thereinto when the flats of the second member are in a predetermined position relative to said opening, and cam means for giving the members a relative longitudinal movement drawing said convex and concave walls into tight engagement upon relative rotary movement of the cam means and one of the members when said portion of the second member is within the chamber.



2,235,950

TREATMENT OF PLANT ROOTS

Howard K. St. John, Oklahoma City, Okla.

No Drawing. Application February 6, 1940, Serial No. 317,589
2 Claims. (Cl. 47—58)

1. The method of treating plant roots of the type described, which comprises removing the earth therefrom, cutting said roots into a plurality of pieces, immersing said pieces for a predetermined time in a solution containing a vitalizing medium, removing said pieces from the solution, applying to said treated roots a carrying substance saturated with said vitalizing solution for sustaining said roots against root shock during transit and storage and until planted.

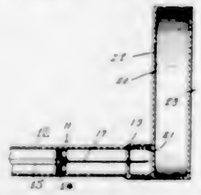
2. The method of treating plant roots which comprises removing all adhering earth therefrom, immersing said roots in a vitamin B–1 solution, until impregnated therewith, removing the roots from the solution, and, while wet, mixing said roots with peat moss to absorb excess moisture therefrom and cause said moss to adhere to the roots, and saturating the mixture of roots and peat moss with the vitamin B–1 solution.

2,235,951

FIRE EXTINGUISHER

Harold O. Thompson, Doland, S. Dak.

Application January 23, 1940, Serial No. 315,253
1 Claim. (Cl. 299—96)



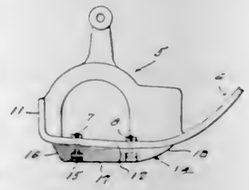
In a fire extinguisher, a hand pump including a barrel, a piston and a piston rod passing through one end of the barrel and having a handle on its outer end, a cap including a top part and an internally threaded cylindrical sleeve, the outer face of said top part being fastened to the other end of the barrel and said top part having a hole therein, a receptacle containing fire extinguishing fluid, a circular tubular neck connected to the lower part of one side of the receptacle and threaded exteriorly for receiving the threaded part of the cap and a long needle connected with the piston of the pump and passing through the hole in the top part of the cap, said needle being of sufficient length to pass through both sides of the receptacle when the piston is pressed toward the receptacle.

2,235,952

REPLACEABLE WEAR SHOE FOR MOWERS

Cleveland B. Toms, Fredericktown, Ohio

Application April 29, 1940, Serial No. 332,365
1 Claim. (Cl. 56—303)



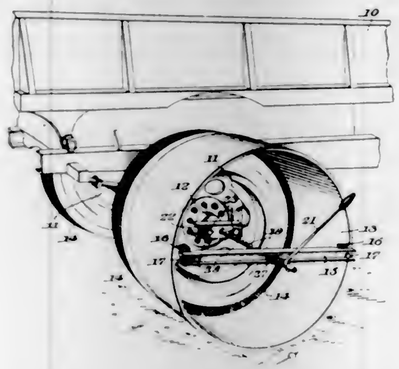
In combination with the cutter bar support of a mower, said support comprising a substantially horizontal part intermediate the rearward and forward edges thereof and having the forward edge portion upwardly and forwardly curved, a replaceable wear shoe elongated from front to rear and attached to the bottom of said horizontal part, the forward edge of said shoe being upwardly tapered and terminating to the rear of said upwardly and forwardly curved front edge portion, and means fastening said shoe in place.

2,235,953

APPARATUS FOR APPLYING ROAD ROLLERS TO CONVERTIBLE VEHICLES

William Bruce Whitfield, Huntsville, Ala.

Application September 22, 1939, Serial No. 296,149
4 Claims. (Cl. 94—50)



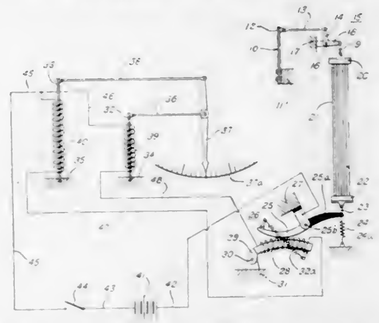
1. Apparatus for forcing a non-resilient annulus into or out of compressive encircling engagement with a resilient tread of a vehicle supporting wheel when said wheel is in operative connection with said vehicle, said apparatus comprising in combination, bridge means adapted to be secured across the outer rim of said annulus, threaded means in rotatable threaded engagement with said bridge means, and securing means adapted to hold said threaded means in freely rotatable engagement with said wheel, whereby said annulus may be selectively withdrawn from or forced over said tread by counter-rotation between said wheel and said threaded means and by the resulting travel of said bridge means along said threaded means.

2,235,954

EFFECTIVE TEMPERATURE INDICATOR

Kenneth E. Whitney, Baltimore, Md., and Ralph R. Chappell, Richmond, Va., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 22, 1938, Serial No. 241,874
2 Claims. (Cl. 73—336)



1. In combination, means responsive to changes in temperature, means responsive to changes in humidity connected to said temperature responsive means, a rotatable pointer movable over a scale, a pair of spaced elongated bimetallic elements fixed at one end and arranged in parallel to move in one direction upon an equal increase in temperature and in an opposite direction upon an equal decrease in temperature, one of said bimetallic elements being shorter than the other, means connecting said bimetallic elements to said pointer comprising a pair of articulated links, one of said links connecting the free end of the longer bimetallic element to one end of the pointer, the other of said links connecting the free end of the shorter bimetallic element to the pointer at an intermediate portion thereof, the ratio of the length of one of said elements and its connecting link to the length of the other of said elements and its connecting link being such that upon changes in the ambient temperature surrounding said elements the movements of said elements are balanced out thereby causing the pointer to remain stationary, heating means adjacent each of said bimetallic elements, and means controlled by the combined action of said temperature responsive means and said humidity responsive means for energizing said heating means whereby the temperature of one of said heating means is increased and the temperature of the other of said heating means is decreased thereby actuating the pointer by the differential movement of said bimetallic elements to indicate effective temperature.

2,235,955

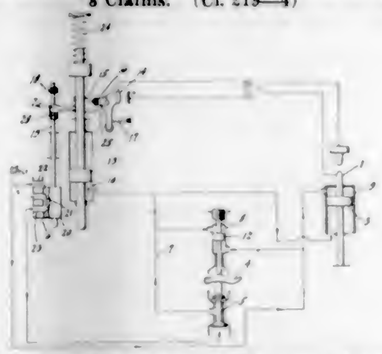
ADDITION AGENT FOR ENHANCEMENT OF THE PROPERTIES OF DRILLING MUDS

Milton Williams, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 21, 1937, Serial No. 164,870
25 Claims. (Cl. 255—1)

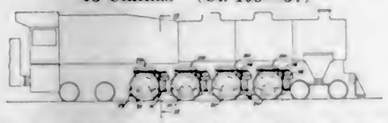
8. A drilling mud comprising a clay suspension containing in solution a water-soluble glass containing a phosphate radical and a normally solid element, in compounded form, other than phosphorus, of groups 2–8 of the periodic system having a normally solid oxide.

2,235,956
WELDER
Edward G. Beiderman, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 30, 1936, Serial No. 71,705
8 Claims. (Cl. 219—4)



1. In a welding machine the combination of a pair of fluid operative electrodes, a fluid operated electric timing means, means for supplying electrical energy to the electrodes when the timer is on, a trigger for controlling the fluid pressure, and a "non-beat" device in the form of an air cylinder and piston controlled by the electric timing means to keep the trigger in operative position until the timer throws off the current.

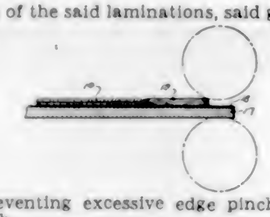
2,235,957
GEARED TWO CRANK LOCOMOTIVE UNIT
William J. Besler, Plainfield, N. J., and Stanley J. Whitlock, Oakland, Calif.
Application January 7, 1938, Serial No. 183,842
13 Claims. (Cl. 105—37)



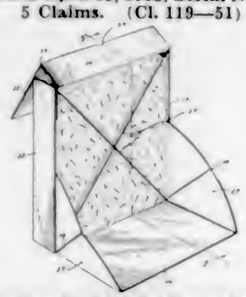
13. In a steam vehicle, a plurality of separate steam engine-axle units, each comprising a pair of drive wheels with a drive axle therebetween, and a single multi-cylinder steam engine having two parallel crankshafts each transmitting power to the driving axle, mounted in substantially static balance on said axle, wherein the planes of reciprocation of said cylinders are inclined on either side of said axle.

2,235,958
PROCESS FOR PRESSING LAMINATED GLASS
James H. Boicey, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 26, 1937, Serial No. 127,889
7 Claims. (Cl. 49—81)

1. The process of producing safety glass comprising two sheets of glass and an interposed adherent thermoplastic layer, including the steps of arranging the laminations in proper superimposed relationship, then placing the sandwich thus formed on a substantially rigid support, then associating a guard member with each end of said sandwich, and then passing said support, sandwich and guard members through a series of pairs of rolling devices to effect final compositing of the said laminations, said guard members preventing excessive edge pinching of the sandwich.

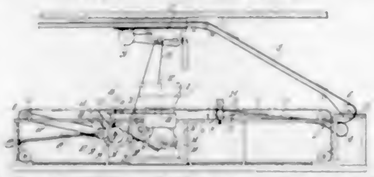


2,235,959
SUET CAKE CONTAINER
Lloyd G. Copeman, Flint, Mich.
Application April 15, 1938, Serial No. 202,159
5 Claims. (Cl. 119—51)



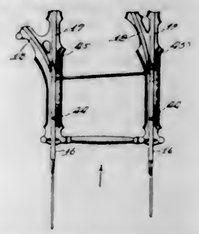
1. A container for bird feeding cake comprising a back and relatively shallow sides, and cover members for said container each comprising an extension of a side of said container, one of said members having supporting side sections fastened to opposite sides of said container, said sections being arranged to fold against said container, the other cover member being adapted to be folded away to expose a vertical surface of the cake.

2,235,960
APPARATUS FOR STAMPING FLEXIBLE MATERIALS
Gordon W. Curtis, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 13, 1937, Serial No. 174,428
8 Claims. (Cl. 164—19)



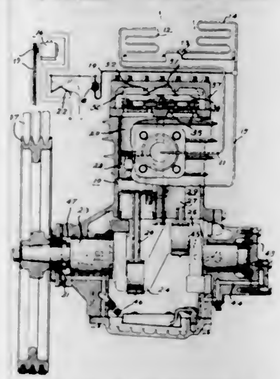
8. In a cutting device, a conveyor, cutting mats carried by said conveyor so that the bottom surfaces of said mats are exposed, means for temporarily adhering adhesive material to said bottom surfaces, a fixed platen adapted to cooperate with the top surface of said mats, means for moving said conveyor in a step by step movement underneath said fixed platen, a vertically reciprocating die, means for moving said die upwardly against said material when it is at rest, and means for pulling the scrap material downwardly from the bottom surface of the mats to remove the scrap from around the cut out pieces which remain on the mats.

2,235,961
OVERHEAD TROLLEY SYSTEM
Richard Roy Holden, Highland Park, Ill.; Bertha Belle Holden, executrix of said Richard Roy Holden, deceased, assignor, by mesne assignments to R. Roy Holden, Inc., Chicago, Ill., a corporation of Illinois
Application July 5, 1934, Serial No. 733,708
20 Claims. (Cl. 191—37)



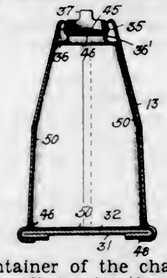
1. A double conductor trolley system for a vehicle provided with a pair of current collectors, comprising main conductors, branch conductors and a pair of switches at the intersection of said main and said branch conductors, said switches having movable guides for guiding a pair of current collectors in passing through said switches either along said main conductors or from said main to said branch conductors, and means including members positioned for engagement with said current collectors and responsive to engagement therewith for determining the setting of said switches, said members and associated means acting to set said switches to one position when said current collectors are more than a predetermined distance apart longitudinally when passing said members, and means for setting said switches to the other position.

2,235,962
REFRIGERATING APPARATUS
James R. Hornaday, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 24, 1937, Serial No. 165,551
3 Claims. (Cl. 230—232)



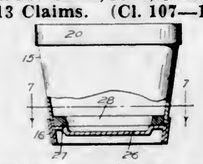
1. In a refrigerant compressor, a cylinder, a piston operating within said cylinder, a cylinder head, a discharge port between said cylinder and cylinder head, an outlet for the compressed refrigerant, and a sound deadening baffle suspended substantially centrally within said cylinder head and substantially out of the path of refrigerant flow whereby said baffle deadens the sound but does not materially hinder the flow of refrigerant nor the transfer of heat.

2,235,963
TRANSPARENT CONTAINER
Theodore G. McGirr, Brooklyn, and Theodore B. McGirr, New York, N. Y.
Application April 2, 1938, Serial No. 199,562
5 Claims. (Cl. 229—5.5)



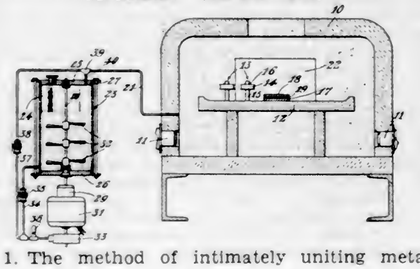
1. In a container of the character described, a transparent wall structure having its lower edge portion outwardly offset in the form of an annular flange provided with a depending skirt portion for receiving the container bottom and having its upper edge portion of sinuous contour and turned inwardly and downwardly for forming the container throat, the lower portion of said throat having an outwardly projecting annular flange for abutting the interior wall of the container, the sinuous contour of said throat providing an annular groove for conformably receiving a cover in sealing relation.

2,235,964
MOLD FOR ICE CREAM OR THE LIKE
Gus C. Meyer and Paul L. Cox, Denver, Colo.
Application March 28, 1938, Serial No. 198,461
13 Claims. (Cl. 107—19)



1. The combination with a container for ice cream or the like, of an insert therein having a design impression.

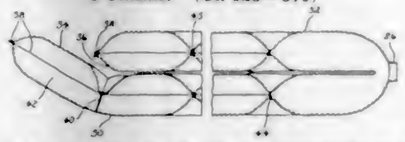
2,235,965
WELDING AND BRAZING
Harold J. Ness, Bloomfield, N. J.
Application January 8, 1938, Serial No. 184,087
13 Claims. (Cl. 113—112)



1. The method of intimately uniting metal

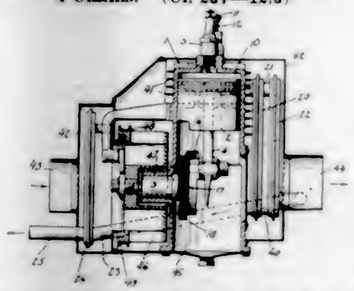
parts which comprises heating said parts, in the presence of lithium vapor, in contact with a bonding metal of lower melting point than the metal of said parts and continuing the heating until fusion of the bonding metal occurs.

2,235,966
REFRIGERATING APPARATUS
Otto M. Summers, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 27, 1935, Serial No. 28,777
2 Claims. (Cl. 128—376)



1. A body ventilating device comprising inflatable bag means having a lower portion upon which the body rests and an upper portion for covering the body, said upper and lower portions having portions adjacent the body provided with a multitude of minute orifices, and means for forcing air under pressure into the bag means to inflate the bag means and to discharge the air from the bag means in the form of jets of air issuing from the orifices and impinging upon the body, said upper portion of said bag means being provided with vents extending through said upper portion for permitting the escape of air from the space between the upper and lower portions occupied by the body.

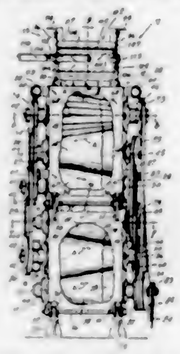
2,235,967
HEATING SYSTEM
James J. Sunday, Detroit, Mich.
Application April 18, 1938, Serial No. 202,616
4 Claims. (Cl. 237—12.3)



2. In an automotive vehicle including a prime mover in the form of an internal combustion engine, a heating system operating independently of the said prime mover comprising a cylinder defining a combustion chamber having an inlet for the fuel to be burned and an outlet for the exhaust gases of combustion, valves for controlling the said inlet and outlet, a piston in said cylinder for compressing the fuel preparatory to combustion, means for igniting the compressed fuel whereby the compressed fuel burns in the combustion chamber to create heat, a radiator communicating with the exhaust port of the cylinder through which the exhaust gases pass and cooled preparatory to being exhausted to atmosphere, said radiator including a portion on the outlet side of the below-mentioned housing through which the exhaust gases are initially passed while upon being exhausted from the cylinder and while at high temperature and another radiating portion on the intake side of the below-mentioned housing through which the exhaust gases are subsequently passed while at a lower temperature to heat the incoming fluid preparatory to being discharged to atmosphere whereby the exhaust gases passing out of said housing are at a lower temperature than the fluid to be heated as it passes out of said housing, a housing for the said radiator and heat radiating surface of the said cylinder having an inlet and an outlet port, and means for inducing a flow of a fluid to be heated through the said housing in heat exchange relation with the said cylinder and the said radiator whereby the major portion of the heat of combustion of said fuel is taken up by said fluid and utilized to heat said vehicle.

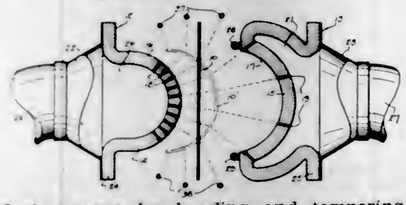
4. A heating system comprising a cylinder defining a combustion chamber having an inlet for the fuel to be burned and an outlet for the exhaust gases of combustion, a piston in said cylinder for compressing the fuel preparatory to combustion, energy storing means including a fan actuated by the piston on the power stroke of the piston and in turn operating the piston on the compression stroke, means for igniting the compressed fuel whereby the compressed fuel burns in the said combustion chamber to create heat, said energy storing means being the only load on the said piston whereby only an inconsequential portion of the heat energy generated by the burning of the fuel is converted into mechanical energy, a radiator communicating with the exhaust port of the engine through which the exhaust gases pass, a housing for the radiator and the heat radiating surface of the said cylinder, said fan inducing a flow of fluid to be heated by, and in heat exchange relation with, the said heat radiating surfaces of the said cylinder and radiator, and inlet and outlet openings in the said housing for the fluid to be heated.

2,235,968
ORE PULVERIZER
Joseph C. Thurman, St. Louis, Mo.
Application June 17, 1938, Serial No. 214,212
4 Claims. (Cl. 83—12)



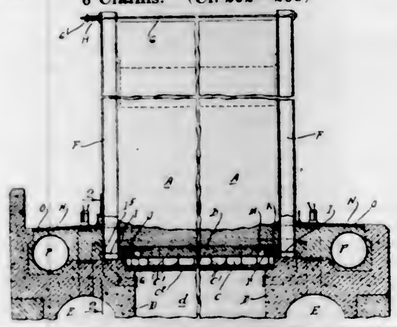
1. An ore pulverizer comprising a plurality of pairs of superposed frusto-conical rollers, the rollers of each pair having the small ends and the large ends, respectively, in adjacent relationship, the small ends of any one pair of rollers being disposed over the large ends of the pair of rollers directly beneath and the large ends of said any one pair of rollers being disposed over the small ends of the said pair of rollers directly beneath, and means supporting said rollers.

2,235,969
APPARATUS FOR THE MANUFACTURE OF BENT TEMPERED SHEETS OF GLASS
Gerald White, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 28, 1937, Serial No. 182,148
4 Claims. (Cl. 49—45)



2. Apparatus for bending and tempering a sheet of glass, supported in a vertical position and heated to a temperature approximating the softening point of the glass, comprising vertically elongated blower heads positioned at opposite sides of said sheet and constituting male and female mold members having transversely convex and concave bending surfaces respectively adapted to engage opposite surfaces of the heated sheet and between which said sheet is bent to the desired curvature, means for mounting said mold members for movement toward and away from one another, auxiliary bending elements comprising vertically arranged idler rollers carried by said female mold member at opposite sides and outwardly of the concave bending surface thereof and acting to wrap the glass sheet about said male mold member upon movement of the said mold members toward one another and before the glass sheet is pressed between the convex and concave bending surfaces, and outlets formed in said mold members for directing jets or blasts of cooling air upon opposite surfaces of the sheet subsequent to the bending thereof and after the mold members have been moved away from and out of engagement with said sheet.

2,235,970
UNDERFIRED COKE OVEN
Louis Wilputte, New Rochelle, N. Y., assignor to Wilputte Coke Oven Corporation, New York, N. Y., a corporation of Maine
Application June 19, 1940, Serial No. 341,259
6 Claims. (Cl. 202—268)

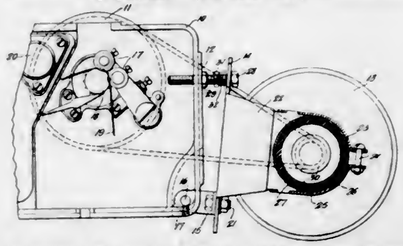


1. An underfired coke oven battery having a basement space and comprising a mass of coke oven brickwork, a reinforced concrete deck above said space and supporting said brickwork mass and having spring chambers in its side edge portions and spring abutments at the outer ends of said chambers, vertical buckstays at the sides of said mass, and connections between the lower ends of the buckstays and said deck member, each such connection comprising a cushion spring in an adjacent spring chamber with its outer end in engagement with the abutment at the outer end of said chamber and means acting between the inner end of said spring and an adjacent buckstay.

2,235,971
ORGANOLITE
Thomas L. Wilson, Cedar Grove, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 2, 1939, Serial No. 276,970
6 Claims. (Cl. 260—79)

1. A water-insoluble material having cation-exchange properties resulting from sulphonating the plastic reaction product of one molar proportion of an aromatic compound having the general formula R—C_6H_4—R', wherein R and R' each represent a member selected from the class consisting of hydrogen and a saturated aliphatic hydrocarbon radical containing more than one carbon atom, with about 1–3 molar proportions of an ethylene dihalide.

2,235,972
SOUND MOTION PICTURE APPARATUS
Arthur G. Zimmerman, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1938, Serial No. 215,765
1 Claim. (Cl. 248—16)

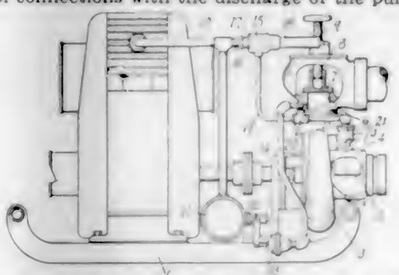


A hanger for supporting an electric motor comprising a bracket secured to the motor at one side thereof, hinge means supporting said bracket adjacent the bottom of the motor, an adjustable rigid stop abutting said bracket adjacent the top thereof, for adjusting belt tension, and resilient means pressing said bracket toward said stop, whereby said bracket may move away from said stop against the weight of the motor and the pressure of said resilient means in response to excessive belt tension.

2,235,973
PRIMER FOR CENTRIFUGAL PUMPS
Adrian P. Adney, Battle Creek, Mich., assignor to American-March Pumps, Inc., Battle Creek, Mich., a corporation of Michigan
Application February 25, 1939, Serial No. 258,381
7 Claims. (Cl. 103—113)

1. In an apparatus of the class described, the combination with a centrifugal pump, of an

engine for driving said pump, an exhaust conduit for said engine having an exhaust pressure chamber therein, said pressure chamber being provided with a discharge valve, a pressure actuated means for opening said exhaust pressure chamber discharge valve and having control connections with the discharge of the pump,



and an ejector connected to said exhaust conduit in parallel with said exhaust pressure chamber, whereby the fluid pressure in said pressure chamber smooths the flow of exhaust from said conduit through said ejector when said discharge valve is closed, and a priming suction connection for said ejector to the pump.

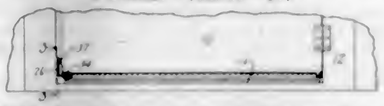
2,235,974

WEATHER STRIP

Roscoe Berrier, Toledo, Ohio

Application December 14, 1938, Serial No. 245,692

1 Claim. (Cl. 20—67)



Means to seal an opening between a door and casing or the like, including, a movable weather strip consisting of a resilient body and a channel shaped holder for said body, said body being carried spaced from the bight portion of said holder, an operator having a portion rectangular in cross-section removably engaged in and conforming to the shape of said holder and being insertable into either end thereof, a lever carried by one end of said operator, means to mount said movable strip on a door in position to be projected into the opening to be closed, removable spring means normally urging said movable strip against the door and means carried by the casing in the path of said lever whereby a closing movement of the door causes a rotation of said operator against the tension of said spring and a projection of said resilient strip into the opening to be closed.

2,235,975

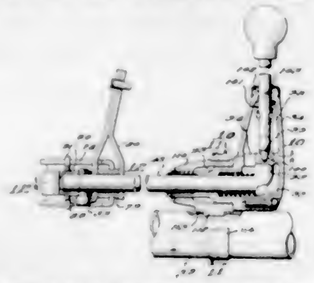
TRANSMISSION CONTROL

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application June 24, 1938, Serial No. 215,572

5 Claims. (Cl. 74—473)

1. In a change speed gear mechanism having a pair of control mechanisms, actuator mechanism for said control mechanisms comprising a rotatably mounted annular casing with a lateral extension at one end, said casing being fixed in an axial direction, a shaft mounted in said casing and movable axially and rotationally and having a bent end projecting into the casing extension, said control mechanisms being selected and actuated by axial and rotational movements of said shaft, a lever extending into the casing extension and mounted for rocking movement, the end of said lever in the casing drivingly engaging the bent end of said shaft, said casing extension



limiting the axial movement of said shaft, a coil spring engaging the casing at one end and the bent end of the shaft at the other end for normally urging said shaft toward one extreme position of axial movement, and a coil spring in said casing urging said lever in the direction establishing its driving relation with said shaft end.

2,235,976

MECHANICAL CONNECTION

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application August 3, 1938, Serial No. 222,881

4 Claims. (Cl. 287—101)



1. In an actuator mechanism, a pair of members having complementary pressed-out joint forming portions at one end, said joint forming portions being nested together in pivotal relation, and a self retaining resilient member having arms adapted to be sprung over the nested end portions of the members holding them together in frictional pivotal engagement, one of said arms having a pressed-out portion nested in the pressed-out portion of one of said members.

2,235,977

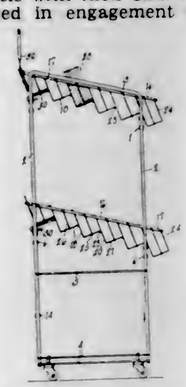
DISPLAY RACK

Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich., a corporation of Michigan

Application January 7, 1939, Serial No. 249,710

10 Claims. (Cl. 211—55)

1. In a display rack, the combination of a pair of end members comprising corner uprights and connecting cross pieces therefor, the top cross piece being formed integrally with the uprights, said uprights having loop-like sockets welded thereto, front and rear longitudinal members having downturned socket engaging dowels at their ends detachably engageable with said sockets, the lower rear longitudinal member being provided with diagonally disposed crossed struts terminating in upturned dowels engaged in coacting sockets, the struts being springable to engage their dowels with their said coacting sockets and retained in engagement therewith by



their resiliency, and tray members carried by said longitudinal members.

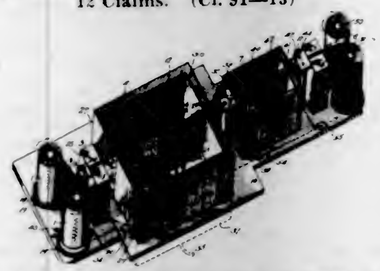
2,235,978

CONTINUOUS STRIP COATING MACHINE

Harvey M. Braucher, Baltimore, Md.

Application January 30, 1939, Serial No. 253,529

12 Claims. (Cl. 91—13)



1. A machine for the coating of metal sheets comprising in combination, means for propelling and guiding sheet metal in continuous lengths, and for vertically disposing the width dimension of same, and a plurality of pressure sprayers for coating the sheet metal on both surfaces independently of each other, means for dividing the sheet into predetermined lengths after said coating, and means for preheating the material before spraying, and for automatically welding additional plate material at predetermined periods and for shearing the plate.

2,235,979

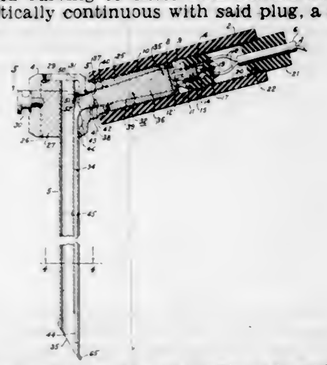
SURGICAL AND DIAGNOSTIC INSTRUMENT

Albert L. Brown, San Francisco, Calif.

Application June 3, 1940, Serial No. 338,533

3 Claims. (Cl. 128—6)

1. In a surgical and diagnostic instrument, a handle having a cylindrical chamber and a threaded bore, a light source disposed in said chamber, a shank threadably inserted in said bore, a curvilinear light-transmitting plug disposed within said shank and adjacent said light source, a collar attached to said shank and a bore therein axially displaced from said handle by an obtuse angle, a bushing insertable in said bore, means for removably fixing said bushing therein, a tube fixedly associated with said bushing, a partition longitudinally extending through said tube, a curvilinear light-transmitting rod extending through said tube on one side of said partition and curving to enter said handle adjacent and optically continuous with said plug, a gasket



disposed within said collar adjacent said curving rod portion, and a lens portion formed terminally on said rod opposite said curving portion.

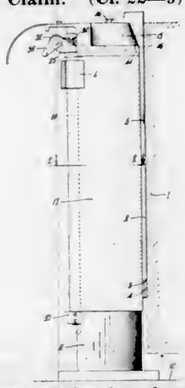
2,235,980

STEREOTYPE CASTING BOX

Alfons Joseph Bueltmann, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application May 11, 1939, Serial No. 273,071

1 Claim. (Cl. 22—5)



In a stereotype casting box for casting curved stereotype plates, the combination of a vertically positioned, fixed, semi-cylindrical cope for supporting a backing sheet, the upper edge of said cope being beveled inwardly, a detachable cap piece for said cope, said cap piece having a lateral, sloping wall, the lower inner edge of which is beveled inwardly to cooperate with the inward bevel on the cope for holding therebetween the upper edge of a backing sheet, and threaded means for detachably securing said cap piece in place on the end of the cope.

2,235,981

METHOD OF MAKING RUBBER LAUNDRY BAGS

Edwin Merritt Coe, Passaic, and Nathaniel H. Curtiss, Clifton, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application March 13, 1937, Serial No. 130,700

2 Claims. (Cl. 18—56)

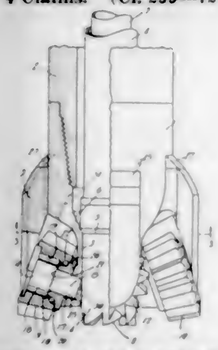
1. The method of making a rubber laundry bag

having reinforced cut-seamed edges which comprises folding a flat rubber strip lengthwise around the edge of a form, placing flat sheets of rubber above and below said form with the edges of said sheets extending slightly beyond said strip, and in one die-shaping operation uniting an en-



tire surface of the strip to said sheets, tapering the edges of said strip to merge with the surfaces of said sheets in said operation, trimming the edges of the sheets in said operation, uniting the edges of said sheets in said operation, and thereafter vulcanizing the parts to form a continuous rubber body.

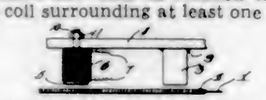
2,235,982
CORE BIT
Roland R. Crum, Whittier, Calif.
Application June 20, 1939, Serial No. 280,099
4 Claims. (Cl. 255—72)



1. In a core bit, a body adapted to be connected to a drill string, said body having a reduced central portion a central hollow extension through which a core may pass, arms assembled on the body and joined thereto, each of said arms carrying an integral pin reaching into the extension and adapted to carry a roller cutter, said extension continuing a substantial distance below the pins and having circular openings for receiving the pins, each of said openings closely encircling its associated pin, and means securing the pins in their respective openings.

2,235,983
MAGNETIC PICKUP CONSTRUCTION FOR ELECTRICAL MUSICAL INSTRUMENTS
Galan W. Demuth, Westville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1938, Serial No. 232,526
6 Claims. (Cl. 179—109)

1. In a magnetic pickup for cooperation with one or more strings, the combination of a magnetizable plate of soft material, a pair of pole pieces secured endwise thereto, said pole pieces including a permanent magnet thin in relation to its width and a second pole piece of magnetizable material also thin in relation to its width, a pickup coil surrounding at least one of said pole



pieces, both of said pole pieces being adapted to be placed at various angles to the axis of said plate according to the number of the vibrating elements they are intended to cooperate with.

2,235,984
HINGE CONSTRUCTION
William C. Devereaux, Detroit, Mich.
Application May 8, 1939, Serial No. 272,534
2 Claims. (Cl. 16—135)



1. A hinge for closures, comprising a substantially U-shaped section, a cooperating section having one end extending between the leg portions of the first section and pivotally connected to said leg portions, spring means having axially aligned coiled portions located at opposite sides of the path of swinging movement of the second section with the axis thereof extending substantially parallel to the axis of pivotal movement of the second hinge section and with the outer ends connected to the U-shaped section in spaced relation to the pivotal connection between the sections, the inner end portions of the coiled portions of the spring being connected to the second section between the outer ends aforesaid of the spring means and the pivotal connection between the hinge sections for movement with the second section across a plane including both the outer ends of the spring means and the axis of pivotal connection between the sections.

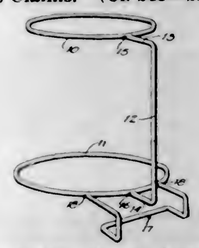
2,235,985
BALL MILL
Marion A. Dibble, Toledo, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 10, 1938, Serial No. 212,872
4 Claims. (Cl. 83—9)



1. A ball mill having an outer shell rotatably mounted on an axis comprising a cylindrical casing with two closed ends defining a grinding chamber, a plurality of spaced flat members

made integral with the said shell, the side of the said flat members being substantially at right angles to the axis of the shell, said flat members being discontinuous near the said shell, thereby forming a passage past the said flat members adjacent to the shell sufficiently large to permit the passage of the charge therethrough.

2,235,986
BASIN HOLDER
Bertha L. Ellingson, Chicago, Ill.
Application June 12, 1939, Serial No. 278,702
3 Claims. (Cl. 248—226)



1. A basin holder of the character described, comprising an upper basin supporting ring, a lower base ring, a standard outwardly offset from and connecting said rings, and a clamp connected to said base ring and underlying said standard for removably mounting said holder on an operating table.

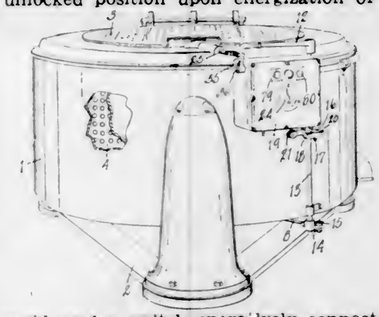
2,235,987
DISPENSING CONTAINER CLOSURE
Emil Frank, Cincinnati, Ohio
Application June 8, 1939, Serial No. 278,099
2 Claims. (Cl. 221—62)



2. A closure for a container of the character described having side and end walls comprising a top wall member having a dispensing opening therein, a slide member for opening and closing said dispensing opening and said top wall member having peripheral edge portions crimped to the side and end walls of said container, said peripheral edge portions having outwardly extending ribs forming guide channels for restraining said sliding member to a plane of movement parallel with said top wall, said sliding member having downwardly turned side edges for spacing said slide member from the can top and avoiding sticking of said slide member in its movement in said guide channels, and said top wall having an upwardly crimped ridge and said slide member having a slit for engaging in said upwardly crimped ridge to restrain said slide member in an intermediate position of sifting dispensing.

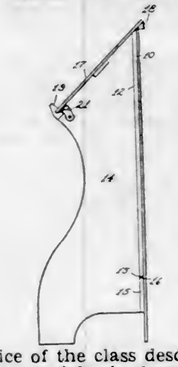
2,235,988
CENTRIFUGAL DRIER OR EXTRACTOR
William G. Frohwitter, St. Joseph, Mich., assignor to St. Joe Machines, Inc., St. Joseph, Mich.
Application July 24, 1939, Serial No. 286,127
10 Claims. (Cl. 210—72)

3. In an apparatus of the class described comprising a tub, a cover therefor, and an operating motor, the combination of a lock for holding the cover in position on the tub, means for preventing movement of said cover lock to position to hold the cover on the tub when the cover is not closing the tub, a solenoid for moving said cover lock to unlocked position upon energization of said



solenoid, and a switch operatively connected to said motor to close when the motor speed drops to a predetermined point, said switch being in series circuit relationship with said solenoid.

2,235,989
MUSIC STAND
Herald A. Gruetzmacher and Ernest E. Menter, Carroll, Iowa
Application April 5, 1940, Serial No. 328,042
3 Claims. (Cl. 45—121)

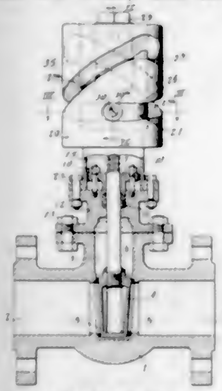


1. In a device of the class described, the combination of an upright back member, spaced-apart strips in upright position at its front central portion forming a groove between them, a leg member having its rear upright edge adapted to enter said groove, spaced-apart strips attached to the rear side edges of the leg member substantially in line with the first mentioned strips when the parts are assembled, the adjacent end portions of said strips being shaped to form locking engagement with each other to prevent movement of the leg member forwardly relative to the back member, a top member inclined downwardly and forwardly, a strip at the rear of the top member to extend downwardly into engagement with the rear surface of the top edge of the back member to thereby prevent relatively forward movement of the leg member, and means for holding the top member downwardly against the leg member.

2,235,990
VALVE MECHANISM
Charles L. Guttery, Bakersfield, Calif.
Application May 25, 1940, Serial No. 337,237
7 Claims. (Cl. 74—59)

1. An attachment for a gate valve having a

valve body, a gate and a screw stem for shifting the gate, said attachment comprising: a stationary body member adapted to be mounted on the valve body in concentric relation with the valve stem, a rotatable member supported by said body member for rotary and axial movement



with respect to said valve stem, cooperating cam and cam follower elements on said two respective members for effecting longitudinal movement of said rotatable member in response to rotation thereof, and means for rotatably connecting said rotatable member to the valve stem.

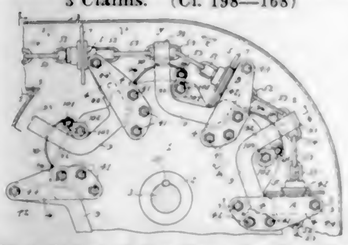
2,235,991

SPROCKET WHEEL FOR CHAIN CONVEYERS AND THE LIKE

Henry W. Hapman, Detroit, Mich.

Application November 8, 1939, Serial No. 303,381

3 Claims. (Cl. 198—168)



1. In a device of the character described, the combination, with a flexible propelling chain consisting of a series of flights having driving flanges and connected in spaced relation by intermediate links, of a driving sprocket comprising a disc having a hub for engaging a power shaft, a plurality of driving members disposed around the periphery of said disc and having their forward faces radial and their ends bifurcated to receive the propelling chain, substantially U-shaped levers pivoted to the ends of said driving members and having adjacent their pivots bifurcated faces normally engaging said driving flanges and having their free ends positioned intermediate said driving members and adapted to engage said intermediate links, and resilient means urging said free ends outwardly to take up slack in said chain.

2,235,992

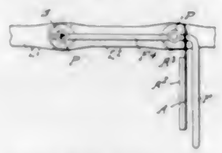
FLIGHT CONVEYER AND ELEVATOR

Henry W. Hapman, Detroit, Mich.

Application November 30, 1939, Serial No. 306,907

5 Claims. (Cl. 198—172)

1. In a flight conveyer, the combination, with a conduit arranged to follow a desired circuit; of a chain comprising alternate pairs of inner and outer links connected by transverse pivot pins; a series of flights formed from bar material bent to conform substantially to the interior surface of said conduit; and means for securing



said flights upon said chain, said means comprising pairs of aligned openings in the outer ends of said pins; integral right-angle extensions upon said flights received in said openings; and means for detachably securing said extensions in position within said openings.

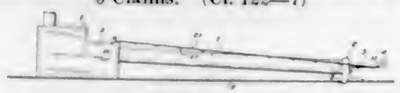
2,235,993

SUPPLEMENTING WASTE HEAT FROM KILNS OR THE LIKE

Clinton P. Harris, Alpena, Mich., assignor to Huron Portland Cement Company, Detroit, Mich., a corporation of New York

Application September 24, 1938, Serial No. 231,472

6 Claims. (Cl. 122—7)



1. In combination with a cement kiln or the like, means for supplying fuel to the kiln, a boiler positioned to receive products of combustion from the kiln for generating steam, and a fuel by-pass extending from the fuel supply means and arranged to discharge a variable quantity of the by-passed fuel into the products of combustion issuing from the kiln to be ignited thereby to supplement the heat of the products of combustion in generating steam.

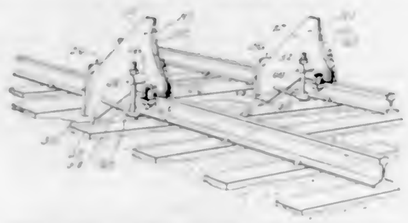
2,235,994

SCOTCH BLOCK

Stanley W. Hayes, Richmond, Ind., assignor to Hayes Track Appliance Company, Richmond, Ind., a corporation of Indiana

Application November 2, 1939, Serial No. 302,498

6 Claims. (Cl. 104—258)



1. A Scotch block comprising two united plates with their front ends overlying the top of the rail and their rear ends flanking and extending below the base of the rail, a rail saddle consisting of a substantially U-shaped plate connecting the rear ends of said plates, said saddle resting upon and straddling the rail, and means for holding the front end of the block on top of the rail.

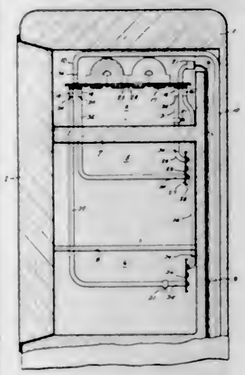
2,235,995

REFRIGERATING APPARATUS

William W. Higham, Detroit, Mich., assignor to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan

Application June 2, 1939, Serial No. 276,941

10 Claims. (Cl. 62—95)



1. In a refrigerating system, the combination of a strip of metal having a plurality of passages running lengthwise therethrough in heat exchange relationship substantially from end to end of the strip, said strip being fashioned into runs or coils to form a primary cooling unit, means for introducing condensed refrigerant into one of the passages and for conducting evaporated refrigerant from said passage, and a secondary cooling unit having a passage therein and connected to one of said plurality of passages in the said strip and forming therewith a closed circuitous path for a fluid cooling medium.

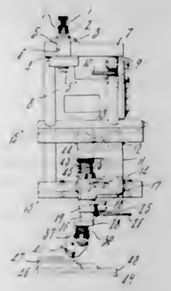
2,235,996

BLANK CUTTING MACHINE

William E. Hogan, Medford, Mass., assignor to Wellman Company, Medford, Mass., a corporation of Maine

Application January 18, 1940, Serial No. 314,379

5 Claims. (Cl. 12—25)



1. In a blank cutting machine, stock gripping means including a cutting form and a cooperating member, a knife and means for driving it around and in contact with said form, said driving means including a resilient support for constantly automatically urging the knife toward said cooperating member to a limited degree.

2,235,997

PRINTING INK

Clarence E. Irion, Montclair, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 11, 1939, Serial No. 289,593

2 Claims. (Cl. 134—36)

1. An ink of the character described comprising as a major body or binder constituent a solution comprising up to 35% by weight of one of the class of asphalt materials consisting of gilsonite, asphalts, or mixtures thereof, dissolved in a mixed solvent having substantially as good solvent characteristics as benzol for said gilsonite, asphalt, or mixtures thereof, said solvent comprising from 80–95% of petroleum naphtha having a boiling range of 58–125° C. and from 20–5% of nitroparaffin having a boiling temperature comparable to the boiling range of the petroleum naphtha, said solvent material being selected to give the solution a viscosity of the order of not more than 50 centipoises at 25° C.

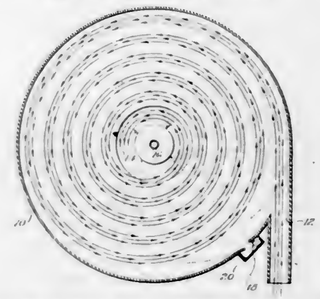
2,235,998

APPARATUS FOR PRODUCING AN INTIMATE CONTACT BETWEEN A LIQUID AND A GAS

Robert V. Kleinschmidt, Stoneham, Mass., assignor to Pease, Anthony Equipment Company, Cambridge, Mass., a corporation of Massachusetts

Application July 15, 1939, Serial No. 284,717

1 Claim. (Cl. 261—79)



Liquid and gas contact apparatus, comprising a casing providing a generally cylindrical treating chamber, a tangential gas inlet slot extending throughout the length of the chamber, and a liquid spray device located centrally of the chamber and designed to produce an outwardly radiating liquid spray column extending throughout substantially the length of the chamber to contact gas admitted to the said treating chamber throughout the length of said inlet slot.

2,235,999

CARBON PIGMENT AND PROCESS OF MAKING THE SAME

Simon Klosky, New Brunswick, N. J., assignor to The American Agricultural Chemical Company, Newark, N. J., a corporation of Delaware

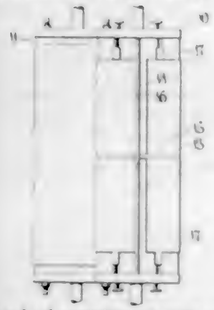
No Drawing. Application July 7, 1939, Serial No. 283,191

6 Claims. (Cl. 134—58)

1. A process of manufacturing carbon pigments of vegetable origin, which comprises first preparing an impregnating solution containing calcium phosphate, by suspending raw material containing tricalcium phosphate in water, and saturating the resulting suspension with sulfur

dioxide; then impregnating a carbon-containing material of vegetable origin with the resulting phosphate-containing solution; heating the impregnated material to decompose sulfurous acid in the solution and precipitate dicalcium phosphate and calcium sulfite within the pores of the carbon-containing material; and then calcining the impregnated precipitate-containing material until the volatile matter has been substantially distilled and dicalcium phosphate and calcium sulfite have reacted in situ to yield basic calcium phosphate substantially uniformly distributed throughout the pores of the resulting calcined carbon pigment.

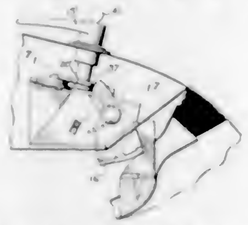
2,236,000
METHOD FOR REGISTERING PRINTING PLATES
John A. Koessler, John W. Koessler, and Kenneth L. Koessler, Buffalo, N. Y.
Application September 7, 1938, Serial No. 228,814
7 Claims. (Cl. 101—211)



1. The method of registering sets of stereotype printing plates for use in rotary multicolor printing presses which comprises consecutively impressing proofs of the several plates in a set and simultaneously impressing upon each proof sheet impressions of the plate holding and locating bars of said proof press for graphically recording on said proof sheet the relative position of the edges of said plates with respect to their type matter, superposing said proof sheets with the type matter impressed by the several stereotype printing plates in registry, comparing the impressions of the plate holding means on the several proof sheets and measuring variations in location thereof, and subsequently trimming the edges of the several plates to compensate for such variations.

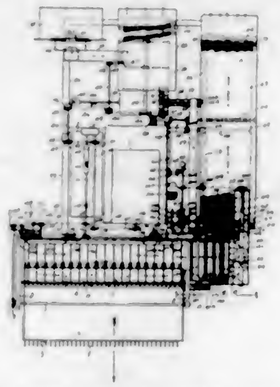
2,236,001
REAR DECK DOOR LOCK FOR AUTOMOBILES
Clarence F. Kramer, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application August 23, 1938, Serial No. 226,316
1 Claim. (Cl. 292—224)

A latch structure for a pivoted door having a door frame and a door panel and hinges connecting the upper end of said panel to said frame with said panel being arcuate in section taken normal to the axis of said hinges and the outer surface of said panel being convex, comprising, a substantially flat main plate secured to the inside of said panel adjacent the free edge thereof and disposed in a position which substantially approaches that of a tangent to the arc of said panel at the free end thereof, said main plate being positioned between said panel and a chord connecting the hinged and free ends of said panel, a bolt arm mounted on said main plate for longitudinal motion with respect thereto, a latch operating means engaging said bolt arm and extending outwardly therefrom through an opening in said panel, a latch bolt having a curved latching surface pivotally mounted on said main plate adjacent the free end of said panel, said



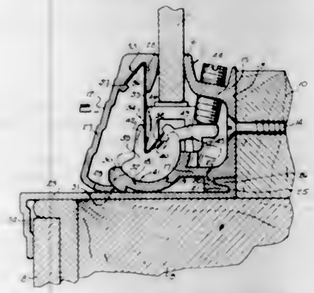
pivot being so positioned that when said latch bolt is in locked position, said curved latching surface is substantially tangent to said chord, said latching surface being adapted to engage a striker secured on said frame having a coacting surface complementary to said latching surface and so disposed that the contact between said latching and said coacting surfaces is substantially along said chord, for the purpose described.

2,236,002
HARVESTER
Lester C. Lederer, Willows, Calif.
Application August 27, 1938, Serial No. 227,133
4 Claims. (Cl. 56—21)



1. In a grain harvester of the character described, cutting means for cutting a swath of grain bearing stalks from the ground, elongated conveyor means positioned adjacent said cutting means for supporting and moving the cut stalks longitudinally of the conveyor means away from said cutting means for discharge of the cut stalks from one end of said conveyor means, a rock compartment defined by lateral sides, a bottom and an open top below said one end of the conveyor means for receiving rocks and relatively heavy impurities from said one end of the conveyor, and grain threshing means adjacent said one end of the conveyor arranged and adapted to engage the cut stalks for threshing the grain therefrom, said rock compartment being disposed between said threshing means and said one end of the conveyor, whereby rocks dropping into said compartment are removed from stalks passing to the threshing means.

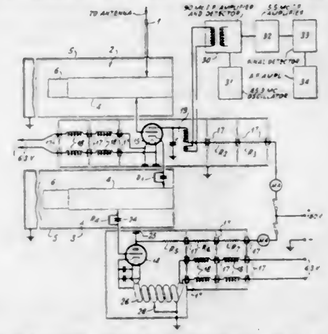
2,236,003
SASH AND STORE FRONT CONSTRUCTION
Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 17, 1938, Serial No. 240,927
4 Claims. (Cl. 20—56.4)



1. In a sash or store front construction, the combination of a fixed section and a movable section adapted to receive and grip a pane of glass therebetween, said fixed section including a bottom wall substantially arcuately curved transversely to provide a longitudinally extending channel in its upper surface forming an arcuately grooved cradle portion, while said movable section comprises a face piece formed at its lower end with a longitudinally extending inturned flange fitting beneath the forward upturned end of the bottom wall of the fixed section and having its inner edge arcuately curved to correspond to the curved underside of the bottom wall of said fixed section, a clip member carried by said movable section and having a rigid body member loosely seated within said cradle portion and provided with an arcuately curved bottom surface corresponding to and having sliding contact with the upper arcuately grooved surface of the cradle portion, and an adjusting member carried by said fixed section and engaging said body member for rocking the same within said cradle portion to urge said movable section into engagement with the glass, said movable section and clip member being removable laterally as a unit to lift the body member of the latter from the said cradle portion.

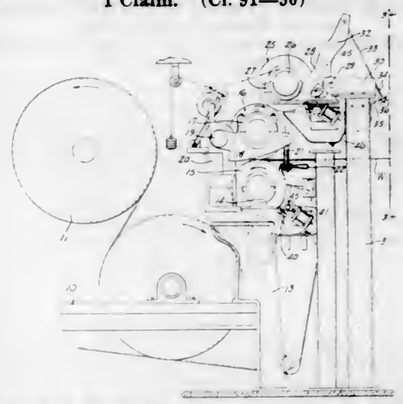
2,236,004
ULTRA HIGH FREQUENCY SIGNALING SYSTEM
Kenneth G. MacLean, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1938, Serial No. 222,104
4 Claims. (Cl. 250—36)

1. An ultra high frequency oscillation generator comprising an indirectly heated vacuum tube oscillator having grid, anode and cathode electrodes, a heater for said cathode, a concentric line resonator for stabilizing the frequency of said oscillator, said resonator having an inner and an outer conductor suitably coupled together, a connection from said outer conductor to ground, a capacitive connection from said anode to ground for the radio frequency energy, a connection from said grid to a point on said inner conductor, a regeneration control coil coupling said cathode to ground, leads within said coil coupling said heater



to an external source of energy, and means for tuning said coil.

2,236,005
APPARATUS FOR COATING BOTH SIDES OF A WEB OF PAPER
Peter Jay Massey, River Forest, Ill.
Application September 15, 1939, Serial No. 294,985
1 Claim. (Cl. 91—50)

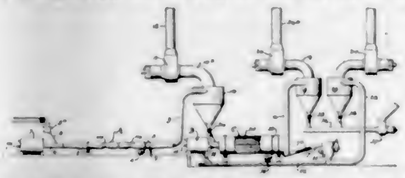


An apparatus of the character described for simultaneously coating the top and wire sides of a web of paper with a liquid suspension of a pigment and adhesive and comprising an intaglio surface film-forming roll positioned to directly contact the wire side of the web of paper, a rubber-covered roll in rolling contact pressure with said film-forming roll and adapted to apply rolling pressure to the web as it passes through the nip of said rolls, means for adjusting the rolling contact pressure between said rolls, a second intaglio surface film-forming roll adjustably cooperable with said rubber covered roll, means for supplying the liquid suspension to the intaglio surface of said film-forming rolls, and means for simultaneously rotating said film-forming rolls.

2,236,006
METHOD FOR DRYING MATERIALS
Harry A. Mulvany, Berkeley, Calif.
Application January 4, 1939, Serial No. 249,214
4 Claims. (Cl. 34—24)

1. A method of drying green chopped alfalfa and similar material, which consists in gradually

drying the material by passing it through a plurality of drying chambers, subjecting the green material to hot dry air in a first chamber to remove the major portion of the moisture content, removing the material from said chamber and introducing it to a second chamber, again subjecting the material to the drying action of hot air, completing the drying of the leaves in said



second chamber, subjecting the leaves and stems to agitation sufficient to break off the dried leaves, separating the leaves and stems and removing them separately, delivering the stems to a shredding machine, introducing the shredded stems to a third drying chamber, again subjecting the material to the drying action of dry hot air to complete drying, and then removing the shredded material.

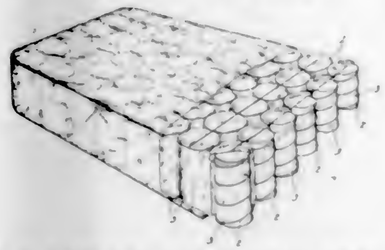
2,236,007

CUSHION STRUCTURE

John M. Oldham, Pleasant Ridge, Mich., assignor to L. A. Young, Detroit, Mich.

Application December 31, 1938, Serial No. 248,848

10 Claims. (Cl. 155—179)



8. In a Marshall type of cushion spring, the combination of a plurality of pockets arranged closely together and arranged in rows, helical springs of relatively heavy gauge in the front and rear rows of pockets and substantially filling out the pockets when the pockets are distended, helical springs of considerably less diameter than the distended pockets filling the remaining pockets and cores of stuffing material filling such springs of lesser diameter, the springs of larger diameter at the front and rear of the cushion being of heavier gauge wire and the pocket material in the front and rear rows being of heavier material, such as burlap.

2,236,008

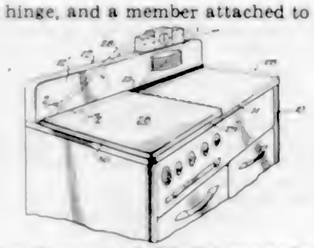
STOVE TOP COVER

John C. Rogers, Oak Park, Ill., assignor to Crown Stove Works, Cicero, Ill., a corporation of Illinois

Application June 21, 1940, Serial No. 341,633

5 Claims. (Cl. 126—214)

1. In a stove of the class described, the combination with the stove top, and a splash board mounted on the rear of the stove, of a burner cover, a horizontal hinge connecting the rear edge of said cover to said splash board, a trackway mounted on an angularly movable member of said hinge, and a member attached to the rear



edge of said cover and slidably engaged with said trackway.

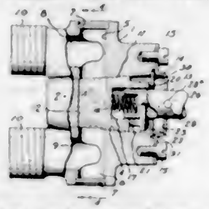
2,236,009

VALVE STRUCTURE

Francis H. Rutherford, Detroit, Mich., assignor to Detroit Brass & Malleable Works, Detroit, Mich., a corporation of Michigan

Original application September 29, 1938, Serial No. 232,402. Divided and this application March 22, 1939, Serial No. 263,476

1 Claim. (Cl. 251—165)



A locking gas cock comprising, a valve body having a tapered valve chamber, a tapered valve plug rotatably seated in the chamber, passages in the plug and body arranged to be brought into and out of registry by rotation of the plug, an apertured stamped sheet metal cap secured to the body, an operating stem extending through the cap, means slidably and non-rotatably connecting the stem and the large end of the plug, a spring positioned between the plug and the stem tending to separate them axially, a loose washer positioned between the valve body and the cap and through which the stem extends, said cap being recessed to form a chamber between the recessed part of the cap and the washer, the bottom of the recess in the cap having radially extending locking depressions therein and a cross pin on the operating stem positioned in the chamber and adapted to seat in the depressions when the passages are out of registry to lock the valve in "off" position, said stem being shiftable toward the plug to remove the cross pin from the depression so that the plug may be turned on its seat, said spring holding the plug on its seat by the reactance of the cross pin on the cap in both "off" and "on" positions of the gas cock, said loose washer being engaged by the cross pin as the stem is pushed axially toward the plug against the action of said spring to limit said axial movement and prevent axial forces from binding the tapered plug in its seat.

2,236,010

ARTICLE HANDLING APPARATUS

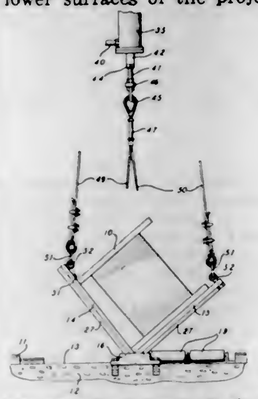
John N. Selvig, Westfield, N. J., and Joseph E. Wiltrakis, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 29, 1938, Serial No. 237,620

8 Claims. (Cl. 214—130)

8. An article handling apparatus comprising elements with interfitting projections having flat

upper surfaces and aligned convex lower surfaces, a support having an elongate concave groove for the convex lower surfaces of the projections to



support the elements for movement about a common axis, and means to move the elements about the axis to transfer an article from one element to the other.

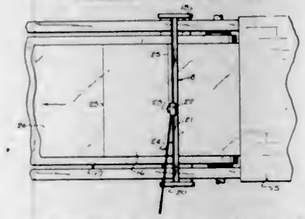
2,236,011

APPARATUS FOR CRACKING AND HANDLING GLASS SHEETS

Harry C. Shock, Charleston, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application January 18, 1939, Serial No. 251,581

4 Claims. (Cl. 49—48)



1. In combination in an apparatus for cracking glass sheets which have been scored, a plurality of pairs of horizontally spaced conveyor rolls, each comprising a lower roll and an upper roll between which the glass sheets are delivered, a breaker roll arranged between adjacent pairs of conveyor rolls and over which the glass sheets pass, said breaker roll cooperating with said conveyor rolls to crack the glass sheets along the score lines, means for driving the lower conveyor rolls, with the conveyor roll in advance of said breaker roll being driven at a relatively slower peripheral speed than the conveyor roll following said breaker roll, and means associated with the lower conveyor roll in advance of the said breaker roll operable so that the said conveyor roll can be rotated at a relatively faster speed than that at which it is positively driven.

2,236,012

ELECTRON DISCHARGE DEVICE

William Shockley, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 6, 1938, Serial No. 223,399

14 Claims. (Cl. 250—175)

1. An electron multiplier comprising a primary cathode, a collector electrode spaced from said primary cathode, and a plurality of secondary cathodes mounted in succession in equally spaced parallel planes between said primary cathode and said collector electrode, said secondary cathodes having corresponding surfaces thereof electron



emissive and being offset diagonally with respect to the next preceding electrode, and corresponding opposite edges of successive secondary cathodes lying on points of cycloids of a height greater than the spacing between said planes and less than twice said spacing.

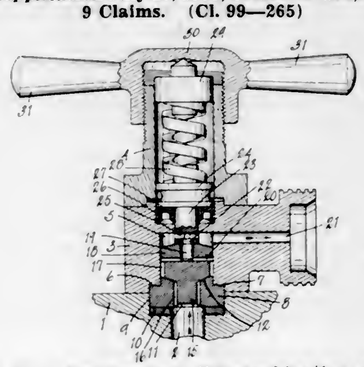
2,236,013

HOMOGENIZER

Karl D. Smith, Battle Creek, Mich., assignor to American-Marsh Pumps, Inc., Battle Creek, Mich., a corporation of Michigan

Application July 17, 1939, Serial No. 284,838

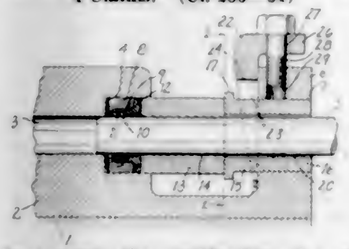
9 Claims. (Cl. 99—265)



1. In a homogenizer, the combination with a valve casing member provided with a valve chamber having a discharge and an upwardly facing packing chamber, there being a central opening between said chambers, of an upwardly facing valve seat member having a central inlet passage and an inwardly facing valve seat surrounding said inlet, a valve coacting with said valve seat and having a flat top and a centering stem disposed in said inlet passage centering the valve within said valve chamber for providing an annular expansion chamber for the fluid passing the valve, a disk superimposed on said valve in fitting relation to the walls of the valve chamber and having a central turbulence chamber, and a plurality of radially disposed grooves in its underside opening to the said turbulence chamber and to said expansion chamber and coacting with the top of the valve to provide a plurality of

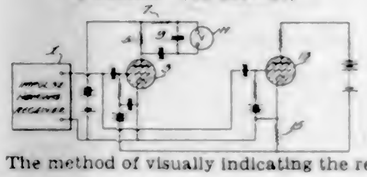
radially disposed passages discharging the fluid to said turbulence chamber in an impinging relation, a pressure member having a stem projecting through said opening between said packing chamber and said valve chamber to engage said disk and having a discharge passage opening to said turbulence chamber and to said valve chamber, a packing arranged in said packing chamber, and means for applying pressure to said pressure member.

2,236,014
PACKING FOR PUMPS
Karl D. Smith, Battle Creek, Mich., assignor to American-Marsh Pumps, Inc., Battle Creek, Mich., a corporation of Michigan
Application July 17, 1939, Serial No. 284,839
4 Claims. (Cl. 286—31)



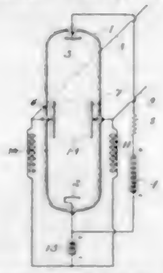
1. In a pump, the combination of a cylinder block having a cylinder bore stepped to provide an outwardly facing packing recess, said block having an abutment in opposed spaced relation to said recess and having a non-circular opening therein aligned with said cylinder bore and adapted to receive a thrust member, a piston coacting with said cylinder and disposed through said opening in said abutment, a packing for said piston arranged in said packing recess, a coacting tubular gland member adapted to enter said recess, a thrust member slidably arranged in said opening in said abutment and conformed thereto in cross section so as to be restrained from rotation therein, said thrust member having inclined outwardly facing thrust surfaces, said piston being insertable into said cylinder through said thrust member and said gland, a wedge-shaped gland adjusting member embracing said thrust member to coact with said thrust surfaces thereof, said adjusting member being in supporting engagement with the inner side of said abutment and having an arm overhanging the same, and an adjusting screw arranged through said arm and having threaded engagement with said abutment.

2,236,015
HOMING IMPULSE DIRECTION FINDER
Theodor Sonnentag, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 10, 1938, Serial No. 229,259
In Germany August 28, 1937
3 Claims. (Cl. 250—27)



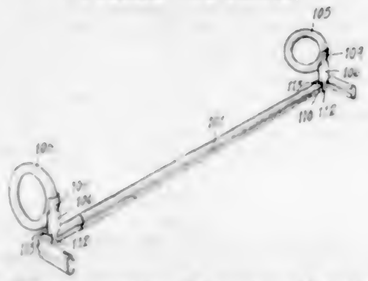
2. The method of visually indicating the reception of an impulse from an impulse type of transmitter which includes initiating an electrical discharge when said received impulse reaches a predetermined amplitude, stopping said discharge when said impulse reaches a second predetermined amplitude, deriving a voltage the amplitude of which is a function of the time between the occurrence of said predetermined amplitudes, and observing the amplitude of said voltage.

2,236,016
OSCILLATION GENERATOR
Max Steenbeck, Berlin-Siemensstadt, Germany, assignor to "Fides" Gesellschaft für die Verwertung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application July 12, 1940, Serial No. 345,068
In Germany February 10, 1939
6 Claims. (Cl. 250—36)



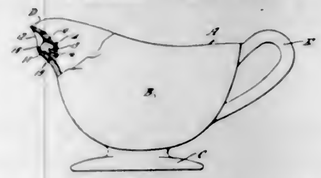
6. A radio frequency oscillator comprising an electric discharge device whose envelope contains an ionizable medium, a cathode and an anode within said envelope, means for maintaining said anode at a positive potential relative to said cathode to produce a plasma, a pair of electrodes within said envelope and located between said anode and cathode on opposite sides of an imaginary line directly connecting said anode and cathode, connections from said pair of electrodes to unidirectional potential means for maintaining said pair of electrodes at a mean potential relative to said plasma, said connections each including an impedance of high value to radio frequency currents.

2,236,017
DRAPERY HARDWARE
Philip B. Stration, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application July 7, 1939, Serial No. 283,198
5 Claims. (Cl. 156—22)



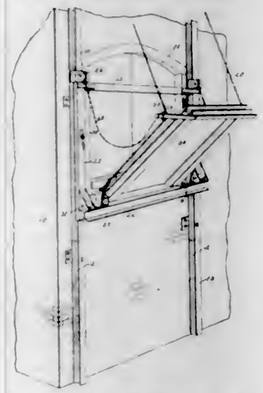
2. The combination of a curtain rod and a supporting member having a festoon ring at one end and means at the other end engaging said rod and supporting said member.

2,236,018
PITCHER
Carl O. Swanson, Minneapolis, Minn.
Application September 11, 1939, Serial No. 294,233
4 Claims. (Cl. 65—31)



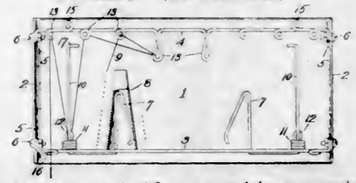
4. In a pitcher, a containing portion, a pouring lip extending upwardly and outwardly therefrom, the said containing portion having an opening below the lip and said opening inclining upwardly and outwardly toward its outer end, a sleeve mounted in the opening, and a valve pivotally connected to an upper inner end portion of the sleeve for movement toward and away from the inner end of the sleeve and adapted normally of its own weight to hang inwardly at its lower side clear from the said inner end of the sleeve.

2,236,019
HOIST
Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa
Application March 25, 1939, Serial No. 264,146
8 Claims. (Cl. 187—6)



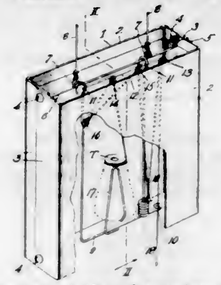
1. A hoist designed for use on the exterior of a building which has a roadway immediately adjacent its side and having a doorway leading into the building to a floor above the main floor of the building, said hoist comprising two upright guiding rails spaced apart from each other and having an unobstructed passageway between them, an upright hoist frame, a horizontal hoist platform pivotally secured to the upright hoist frame at its lower end and extended outwardly from one side thereof so that substantially all of the weight of the platform is on one side of the upright hoist frame, means at the lower portion of the hoist frame to engage said upright guiding rails to prevent inward movement of the hoist frame, means at the upper portion of the hoist frame to engage said uprights and prevent outward movement of the upper portion of the hoist frame, and means for elevating and lowering the hoist frame, said upright hoist frame having an opening above the platform to permit articles thereon to be moved to the interior of the building.

2,236,020
TWINE CONE DISPLAY SUPPORT
Frank C. Thorpe, Lamar, Mo.
Application September 18, 1939, Serial No. 295,466
3 Claims. (Cl. 242—143)



1. A twine cone holder comprising a container formed of a pair of spaced parallel metal plates having their upper and lower edges respectively in coplanar relation, vertically extending parallel flanges projecting from each end of each plate with the flanges of the opposite plates in overlapping relation in a plane spaced midway between said plates, a pair of parallel rods spaced midway between the plates and spanning the distance from one set of flanges to the other, said rods respectively being above and below the planes of the lower and upper edges of said plates, means on the lower rod for supporting a twine cone spaced midway between the plates, means on the upper rod for pendently supporting the container, and a plurality of detachable means for simultaneously uniting the adjacent pairs of flanges with the proximate ends of said rods.

2,236,021
TWINE CONE SUPPORT
Frank C. Thorpe, Lamar, Mo.
Application September 25, 1940, Serial No. 358,308
4 Claims. (Cl. 242—143)

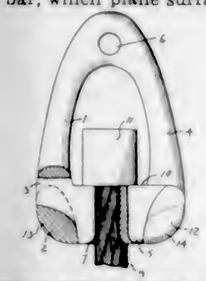


3. In a device of the character described, the combination of an open bottom support, means for the suspension of the support, and a twine cop carrying frame detachably suspended within and from the upper part of the support and accessible for positioning and removing purposes, through the open bottom of said support.

2,236,022
ROPE SOCKET
Godfrey Henry Trevor, Vancouver, British Columbia, Canada
Application July 10, 1939, Serial No. 283,533
4 Claims. (Cl. 294—78)

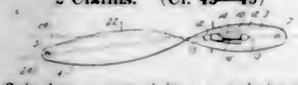
1. A rope socket comprising two complementary halves each being formed with a loop, por-

tion and a transverse bar portion, each of said halves having one plane surface extending around the loop portion and partly across the transverse bar, which plane surfaces are adapted



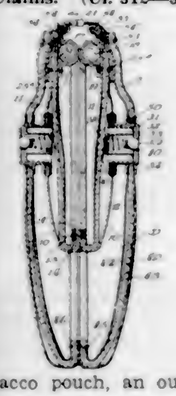
to lie in contact with each other when the socket is assembled, each of said transverse bar portions being recessed to cooperatively receive the thimbled end of a rope, and means for holding the component parts in assembled position.

2,236,023
FISH LURE
Edwin B. Turner, Wellington, Ohio
Application May 6, 1939, Serial No. 272,211
2 Claims. (Cl. 43—45)



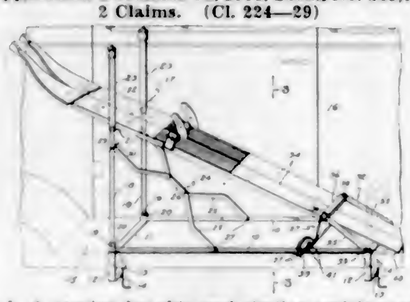
1. A fish lure comprising a substantially flat body member having front and rear end portions and a longitudinal axis extending between said end portions, said body member being twisted about said longitudinal axis to provide a spirally curved surface for effecting a spinning movement of said body member about said axis as the lure is drawn through water, said rear end portion being offset from said front end portion so that the longitudinal center line of said rear end portion will be angularly inclined with respect to the longitudinal center line of said front end portion whereby the lure will be caused to revolve bodily about an axis different from the axis of said spinning movement and while spinning movement of said lure is taking place.

2,236,024
TOBACCO POUCH
Tracy B. Tyler, Chicago, Ill.
Application April 11, 1938, Serial No. 201,214
5 Claims. (Cl. 312—31.2)



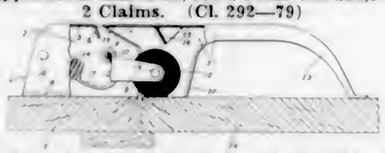
1. In a tobacco pouch, an outer casing and an inner lining both of flexible moisture impervious material, an intermediate layer of absorbent material disposed between said outer casing and inner lining, and means for allowing the introduction of moisture to said intermediate layer, said intermediate layer serving to retain said moisture and to allow the same to escape slowly by evaporation into the interior of the pouch.

2,236,025
CARRIER FOR SKIS AND SIMILAR ARTICLES
George E. Westad, Scotia, N. Y.
Application December 14, 1938, Serial No. 245,612
2 Claims. (Cl. 224—29)



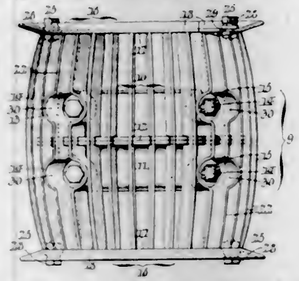
1. A carrier for skis and similar articles comprising a frame adapted to rest on the running board of a motor car, clamps secured to the frame for fastening it to the running board, a support pivoted at the front end of the frame and having spaced uprights and a cross bar extending between the uprights below the upper ends thereof to support the articles between the uprights, a brace for said support pivoted to the frame and detachably connected to the support, an inverted U-shaped clamp having the free ends of its legs pivoted at the other end of the frame so that its cross bar can lie over the butt ends of the articles, and securing means connected to the clamp and the frame to clamp said cross bar to the articles to secure their butt ends and hold their forward end portions in the upright support.

2,236,026
DOOR CLOSURE CONTROL ASSEMBLY
Leslie L. Westcamp, Elk Creek, Calif.
Application March 13, 1939, Serial No. 261,510
2 Claims. (Cl. 292—79)



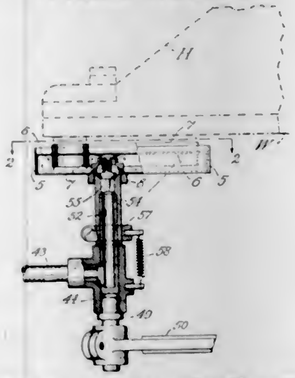
1. In a door check including the combination of a support having spaced sides, an arm projecting from between said sides, a bumper mounted on the projecting end of said arm, and means mounting said arm at the other end between said sides in pivotal snap action relation to said support for alternate movement from a cocked position clear of a door member to a door member engaging position; said means comprising a pivot pin arranged with said other end of the arm and connected between the sides of the support, a coil tension spring disposed between the sides of the support, one end of the spring being anchored on the support at a point beyond the pivot pin and the spring extending from said point toward but the coil portion thereof terminating short of said other end of the arm, a member on the arm at said other end and when the arm is in cocked position projecting laterally of the pivot pin in a direction away from said spring, and an element formed with the end of the spring adjacent said other end of the arm and connected with said projecting member beyond the pivot pin, said element being formed to clear said pivot pin when the arm is in either of said alternate positions.

2,236,027
PULLEY
Russell H. Bowen and William A. Williams, Philadelphia, Pa., assignors to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 18, 1940, Serial No. 324,482
4 Claims. (Cl. 74—230.6)



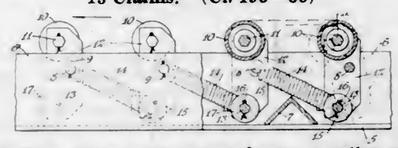
1. A belt pulley comprising complemental halves each including a hub portion with a substantially medial circumferential sustaining web, a rim defined by spaced rings and radially-disposed vanes with their ends secured in said rings and their medial parts partially engaged in and rigidly united to the sustaining web, means for holding the pulley halves in planar registration, and means for clamping said pulley halves together.

2,236,028
PASTE APPLYING HEAD FOR CIGAR ROLLING MACHINES
Hjalmar E. Carlson, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application August 20, 1938, Serial No. 225,961
7 Claims. (Cl. 91—47)



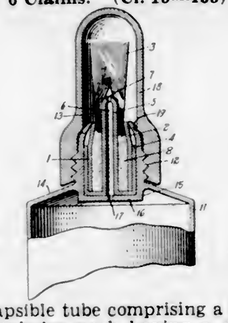
1. In a cigar machine paster, the combination with a paste reservoir, of an orifice forming member extending into the interior of said reservoir and projecting from said reservoir sufficiently to extrude paste on a leaf section, a conduit adapted to conduct paste from a source of paste supply to a point adjacent the top of said reservoir, and above the inlet portion of said member whereby the paste will follow a circuitous course from said conduit to said orifice.

2,236,029
ROLLER CONVEYER
Smith Eggleston, St. Paul, Minn., assignor to Standard Conveyor Company, North St. Paul, Minn., a corporation of Minnesota
Application July 11, 1938, Serial No. 218,624
13 Claims. (Cl. 193—35)



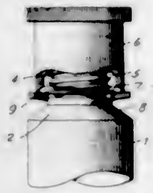
1. In a roller conveyer, a frame, a roller support, means pivotally connecting said support to said frame and confining said support to oscillating movement about a substantially horizontal axis relative to the frame, a conveyer roller revolubly mounted on said support obliquely above and to one side of said axis and resilient means engaging said support below said axis for restraining pivotal movement of said support relative to the frame.

2,236,030
COLLAPSIBLE TUBE
Victor Hall, Pelham, N. Y., assignor to The Applitube Company, Inc., Stamford, Conn., a corporation of Connecticut
Application April 13, 1939, Serial No. 267,621
6 Claims. (Cl. 15—133)



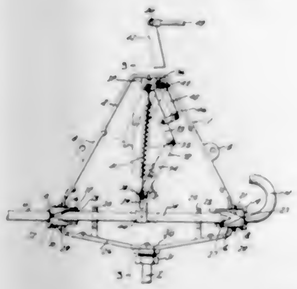
1. A collapsible tube comprising a tubular body portion, a tubular neck having a diameter less than the diameter of said body portion, a shoulder connecting said body portion and neck, a wall extending transversely across said neck forming a cavity in the upper end of the neck, said tubular neck and wall being countersunk into the body portion of the tube below said shoulder, an applicator brush, a cup shaped holder surrounding and enclosing one end of said brush, said holder being mounted in said cavity and seated against said wall and extending into the body portion of the tube, said brush being provided with a passage extending from the bottom of said holder into the body of said brush, and said wall being provided with an opening registering with said passage.

2,236,031
COLLAPSIBLE TUBE
Victor Hall, Pelham, N. Y., assignor to The Applitube Company, Inc., Stamford, Conn., a corporation of Connecticut
Application April 2, 1940, Serial No. 327,434
5 Claims. (Cl. 221—60)



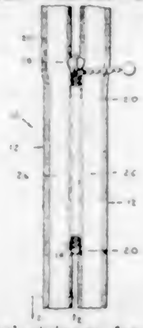
5. A collapsible tube comprising a tubular body portion, a tubular neck, a shoulder between said body portion and said neck, screw threads on said neck, a retaining flange projecting outwardly from said neck between said threads and said shoulder and spaced from said shoulder, the outside diameter of said flange being greater than the outside diameter of said threads, a washer surrounding said neck between said flange and said shoulder, the inside diameter of said washer being less than the outside diameter of said flange, and a screw threaded cap engaging the screw threads on said neck, said cap extending downwardly around and below said flange, the lower edge of said cap engaging said washer to seal the tube.

2,236,032
AUTOMATIC FUEL CONTROL FOR INTERNAL COMBUSTION ENGINES
Oscar C. Helgeson, Dawson, Minn., assignor of one-half to Louis P. Sandbakken, Dawson, Minn.
Application April 13, 1939, Serial No. 267,635
4 Claims. (Cl. 74—100)



1. An actuating mechanism for a reciprocating valve, comprising a pair of arms pivotally connected at meeting ends, means pivotally connecting one end of one arm to the valve, means pivotally supporting the opposite end of the other arm and holding the same against movement in a direction away from the valve, said connecting means having a slot permitting endwise movement of the connected arm in a direction toward or away from the said supporting means for the other arm, a retractile coil spring stretched between opposite end portions of the arms, and means for swinging the arms to adjust the valve.

2,236,033
ORNAMENTAL STRINGER FOR SLIDE OPERATED FASTENERS
Ogden Killmer, Haabrouck Heights, N. J., assignor to Charles Campbell, New York, N. Y.
Application April 11, 1938, Serial No. 201,230
2 Claims. (Cl. 139—384)



1. An ornamental stringer for slide operated closure-fasteners comprising a tape provided with a longitudinally extending marginal edge portion adapted to have slider-operated fastener elements secured thereto and a longitudinally extending marginal edge portion for the securement of the stringer to the article to be provided therewith, said tape having, intermediate its inner and outer edge portions, a plurality of longitudinally extending threads covered with tinsel strips spirally wound thereon and visible on the outer surface of the stringer, said tinsel covered threads being disposed in close side by side relation in said intermediate part of the stringer and providing a multiplicity of light reflecting facets.

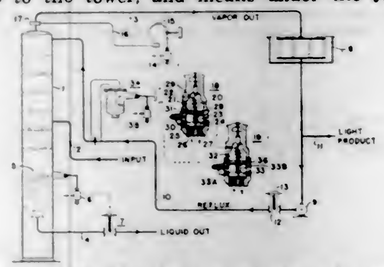
2,236,034
BRUSH FOR DENTURES
George E. Luce and William M. Sheets, Portland, Oreg., assignors, by mesne assignments, to William M. Sheets, Portland, Oreg.
Application December 20, 1938, Serial No. 246,836
1 Claim. (Cl. 15—167)



A brush of the class described consisting of an elongated straight handle having channel brushing bristles extending from one end thereof in parallelism with the length of said handle, the longitudinal axis of said handle being offset from the longitudinal axis of the channel brushing bristle head, the offset junction between said handle and said head having a recess formed therein adapted to receive the tip of the first finger during a channel brushing operation.

2,236,035
FRACTIONATING TOWER CONTROL
John F. Luhrs, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application December 4, 1937, Serial No. 178,173
26 Claims. (Cl. 202—160)

1. In a control system for a fractionating tower wherein the tower top temperature is regulated by varying the rate of flow of reflux, in combination, means responsive to the tower top temperature, means responsive to the rate of reflux input to the tower, and means under the joint



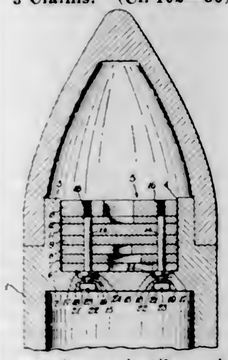
control of said first two named means for regulating the rate of flow of reflux.

2,236,036
ELECTRON TUBE AND THE LIKE
George D. O'Neill, Beverly, Mass., assignor to Hygrade Sylvania Corporation, Emporium, Pa., a corporation of Massachusetts
Application August 3, 1940, Serial No. 350,313
11 Claims. (Cl. 250—27.5)



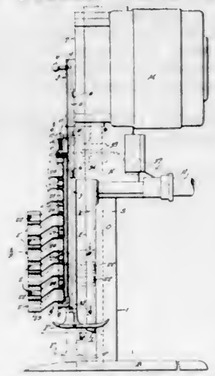
1. An electron tube comprising an electrode mount including an electrode assembly, an enclosing bulb, and means to support the upper end of said mount comprising a flexible metal member attached to the mount and having a portion extending into flexible engagement the side of said bulb and another portion extending into engagement with the end of said bulb.

2,236,037
MECHANICAL TIME FUSE
Youston Sekella, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 23, 1938, Serial No. 242,051
3 Claims. (Cl. 102—36)



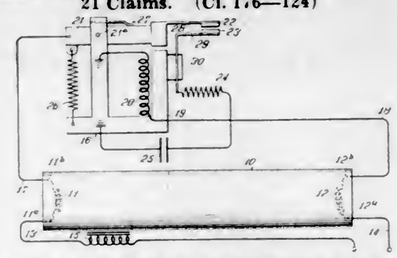
1. In an explosive projectile, a shell body having a partition forming a seat, timing mechanism including a laminated frame adapted to rest on said seat, headed screws traversing the laminations of the frame and clamping them together, the heads of the screws having threaded extensions, said partition having openings adapted to receive the heads and thereby permit the frame of the timing mechanism to bear directly on the seat with said extensions protruding through the partition, and nuts on the protruding ends of the extensions clamping the timing mechanism on the seat.

2,236,038
HONING OR SHARPENING DEVICE FOR CLOTH CUTTING MACHINES
Jacob Silberstang, New York, N. Y.
Application August 5, 1938, Serial No. 223,177
5 Claims. (Cl. 51—250)



1. In combination, a cloth cutter having a vertically reciprocating knife, a gib, guide means for slidably supporting the gib for vertical movement in front of said knife, two rotatable shafts mounted for rotary movement on said gib, each shaft having a row of outstanding radial arms mounted thereon, said arms having resilient hone holding jaws, each jaw mounting a hone; and means between said arms and said shafts for providing radial alining adjustment therebetween.

2,236,039
STARTING AND OPERATING MEANS FOR GASEOUS DISCHARGE DEVICES
Joseph G. Sola, Oak Park, Ill.
Application January 15, 1940, Serial No. 313,885
21 Claims. (Cl. 176—124)



1. In a system of the class described, the combination of an electric discharge device connected between opposite supply lines of a source of current and having an electrode which is electron emitting when heated, a core bar of magnetic material, coil means on said core bar having connection in parallel with said discharge device to receive current from said supply lines for magne-

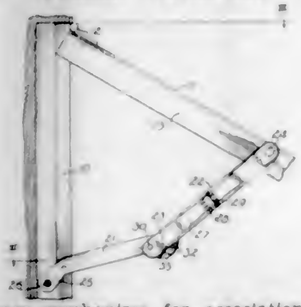
tizing said core bar, an armature movable toward and from said core bar and biased away therefrom but adapted to be held at the limit of its movement toward the core bar by residual magnetism in the core bar, and switch means closed by movement of said armature toward said core bar for completing a heating circuit between said supply lines and including said electrode, the arrangement being such that while current initially flows in the heating circuit the current flow through said coil means is negligible but upon said electrode being heated sufficiently to support discharge current of sufficient magnitude flows through said coil means to demagnetize sufficiently said core bar thereby opening said switch means.

2,236,040

BRACE MEANS FOR PIVOTED CLOSURE

William H. Stryker, Elmhurst, Ill., assignor, by mesne assignments, to William H. Stryker and Emma G. Stryker, Elmhurst, Ill., as joint tenants

Application April 6, 1938, Serial No. 200,435
8 Claims. (Cl. 292—263)



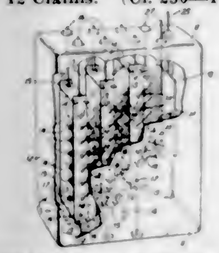
1. Brace mechanism for association with a door, including brace means associated with the door and arranged to lock in bracing position when the door is opened, a movable handle on said door, and control means connecting said brace means and said handle, said control means being constructed and arranged to unlock said brace means when said handle is moved in the direction of movement of said door to closed position.

2,236,041

ELECTRON DISCHARGE DEVICE

Gordon K. Teal, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 26, 1937, Serial No. 160,997
12 Claims. (Cl. 250—175)



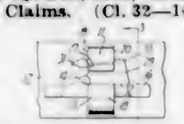
1. An electrode structure for electron discharge devices, comprising a row of parallel, aligned secondary electron emissive surfaces mounted obliquely to the axis of alignment thereof, means electrically connecting only alternate surfaces into two groups, each surface of one group facing a surface of the other group, and means supporting said surfaces as a unit.

2,236,042

ORTHODONTIC BRACKET

Glendon H. Terwilliger, Oakland, Calif.

Application April 22, 1936, Serial No. 75,714
4 Claims. (Cl. 32—14)



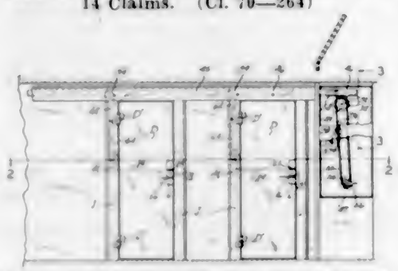
1. An orthodontic appliance comprising, a bracket adapted for attachment at its inner side to a bracket band and formed with a longitudinal horizontal slot therethrough opening to the outer side of the bracket, said slot having a vertical enlargement inwardly of said last named side defining a pair of vertically opposed recesses in said slot and adapted to receive an arch-bar in one of said recesses, and a key adapted for mounting in the other of said recesses against and generally parallel to said arch-bar, said key being provided with an offset adjacent one end for engaging said bracket and being adapted for bending adjacent its other end into an angular relation with respect to said slot.

2,236,043

LOCKING MECHANISM FOR CELL DOORS

Michael J. Tracy, Robertson, Mo., assignor to Decatur Iron and Steel Company, Decatur, Ala., a corporation of Alabama

Application May 8, 1940, Serial No. 333,893
14 Claims. (Cl. 70—264)



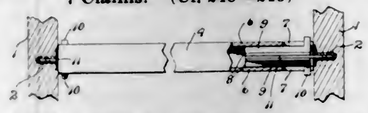
14. In combination with a plurality of cell doors, a locking mechanism comprising a lock bolt associated with each of the cell doors and movable from retracted unlocked position to a plurality of projected locking positions, a handle cooperatively associated with the lock bolt of each door and adapted to move the associated lock bolt to a plurality of projected locking positions, a movable locking member associated with the lock bolt of each door and provided with a plurality of bolt-engaging portions which are adapted to engage the associated lock bolt to lock same in any one of a plurality of projected locking positions, key-actuated means at the doors for moving the locking member of each door so as to release the associated lock bolt therefrom for movement to its retracted unlocked position, and remote control mechanism for simultaneously releasing the lock bolts of the plurality of cell doors from the associated locking members of the doors for movement to their retracted unlocked positions when said lock bolts are in predetermined projected locking positions, said remote control mechanism including members supported by the cell doors for movement with respect thereto and adapted to engage engageable portions of the movable locking members of the doors so as to subject said movable locking members to bolt-releasing movement, said engageable portions of said movable locking members being out of position for engagement by said door-supported members when the lock bolts are in projected locking positions other than said predetermined projected locking positions.

2,236,044

SHELF SUPPORT

Anthony Vanderveld, Grand Rapids, and Earl L. Clouse, Comstock Park, Mich., assignors to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan

Application February 12, 1940, Serial No. 318,586
7 Claims. (Cl. 248—243)



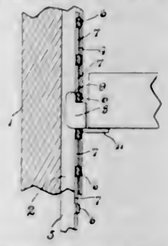
1. A shelf support comprising an elongated hollow bar having spaced sides each horizontally slotted inwardly for a distance at each end thereof, and a member slidably mounted at and within each end of the bar, having a narrow flat projecting outer end portion comprising a plate substantially midway between the sides of said bar, and having oppositely extending fingers attached to said plate received in said slots for slidably guiding said member, combined with means for preventing outward sliding movement of said member to a position such that said fingers pass from said slots.

2,236,045

SUPPORT

Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan

Application June 24, 1940, Serial No. 341,985
4 Claims. (Cl. 248—243)



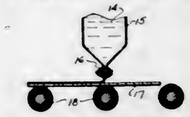
1. In a construction of the class described, a vertical member having a flat side, a vertical slot extending from said side into the member, said slot being positioned at substantially right angles to said face, two additional vertical slots in said member in conjunction with the first slot at their outer edges, said two additional slots diverging from each other and from the first slot, and a sheet metal member having two wings integrally connected by a bend at the juncture of said wings inserted into and filling said two additional slots, said sheet metal member having a plurality of spaced apart vertical slotted openings therethrough in direct alinement with the first mentioned slot.

2,236,046

LAMINATED SAFETY GLASS

George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application October 16, 1933, Serial No. 693,804
3 Claims. (Cl. 49—81)



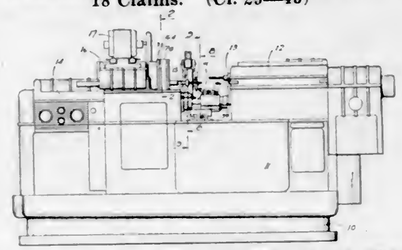
3. The process of producing laminated safety glass consisting in flowing a mass of plastic material containing an excess of solvent upon a sheet of glass, controlling the temperature of the plastic and glass so that the temperature of the glass will be at least several degrees lower than that of the plastic and maintaining this relationship to cause escape of excess solvent from the plastic by diffusion and in the absence of internal vaporization, and then finally uniting a second sheet of glass to the exposed surface of the plastic layer so formed.

2,236,047

APPARATUS FOR MACHINING OPPOSED ENDS OF A WORKPIECE

John C. Wattleworth, Cleveland, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio

Application March 4, 1940, Serial No. 322,190
18 Claims. (Cl. 29—43)



1. In a screw machine embodying a cut-off tool, a turret and turret tools for machining one end of a workpiece, mechanism for machining the opposed end of said workpiece comprising, an auxiliary tool attachment, a tool mounted therein, a collet holder supported in said turret, a collet in said holder mounted for telescopic engagement with said workpiece, a sleeve slidably mounted on said collet, springs in said holder normally urging the collet in gripping engagement with the work, means in said sleeve for restraining the action of said springs and means on said sleeve coacting with the first named means and said cut-off tool to release said springs contemporaneous the completion of the cut by the cut-off tool and prior the engagement of the workpiece with the tool in said auxiliary tool attachment.

2,236,048

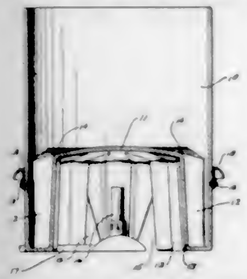
DEEP FAT COOKER

George W. Watts, Indianapolis, Ind.

Application December 30, 1939, Serial No. 311,779
1 Claim. (Cl. 53—7)

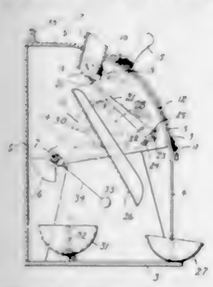
In a deep fat cooker, a vessel, a centrally convexly curved floor in the vessel, a plurality of hollow legs extending below said floor, circumferentially therearound to have the vessel wall continue downwardly to form the outer wall of

each leg, said legs having top openings therein through said floor adjacent the vessel wall, said floor sloping outwardly and downwardly to said openings, and said vessel wall having openings therethrough between said legs and under said



floor, said legs defining in effect a heating chamber, the top of which is said floor, and arched extensions of said floor between said wall and said leg openings, said side wall openings being below said extensions respectively.

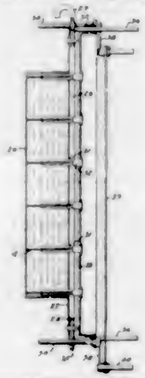
2,236,049
ADVERTISING DEVICE
Frank A. Wuotila, Floodwood, Minn.
Application June 5, 1939, Serial No. 277,523
2 Claims. (Cl. 194—52)



1. An advertising device of the class described, comprising a housing provided with a window, a shaft extending through opposite walls of said housing, a rockable shield structure mounted on said shaft and visible through said window, an operating lever mounted on one end of said shaft externally of said housing for rocking said shield structure, a coin slot, a coin releasable locking lever pivoted intermediate of its ends to one end of said shield structure within said housing and having one end located in the path of a coin traversing said slot, and means on said slot and engageable with said lever for holding said shield structure against rocking until a coin has been dropped in said slot and fallen on said lever.

2,236,050
FROZEN PRODUCT AND APPARATUS AND METHOD FOR PRODUCING SAME
Earl R. Anderson, Campbell, Calif.
Application August 15, 1938, Serial No. 224,961
17 Claims. (Cl. 62—163)

1. A frozen liquid product comprising a layer of individual frozen portions having a continuous flexible separating strip embedded therein in cellular arrangement to define said portions, said cellular arrangement being formed by bending said strip to form sections having adjacent corners, said corners being spaced apart to pro-

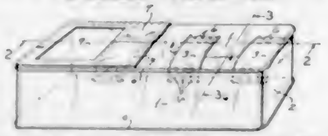


vide narrow connections of frozen liquid between adjacent portions.

2,236,051
PIGMENT AND PAINT AND METHOD OF MAKING SAME
Louis E. Barton, Windsor, Conn.
No Drawing. Application December 9, 1938, Serial No. 244,768
21 Claims. (Cl. 134—67)

1. The method of making a substantially pure, white, anhydrous, light-stable lead silicate pigment, which consists in intimately mixing lead oxide, silica and a white oxide of an element of Group II of the periodic system and then heating the mixture to a temperature sufficiently high to chemically combine the ingredients in the solid phase without fusion to form said lead silicate pigment.

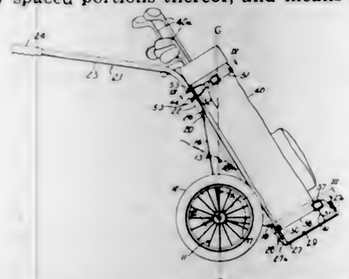
2,236,052
CORPSE PRESERVER
Herbert I. Berger, St. Louis, Mo.
Application July 27, 1940, Serial No. 347,931
4 Claims. (Cl. 27—23)



1. A portable corpse preserver including a plurality of companion members adapted for cooperation in the formation of an open-ended collapsible shell shaped for normal disposition about a body, and a plurality of refrigerant-supporting shelves disposed transversely, and detachably engaged with the side walls, of the shell in a longitudinally spaced series.

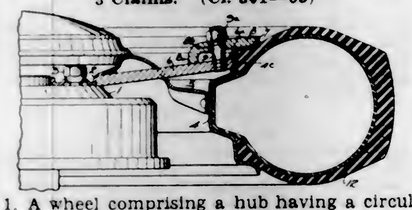
2,236,053
GOLF BAG CART
Sam U. Caron, Chicago, Ill.
Application October 23, 1939, Serial No. 300,765
5 Claims. (Cl. 280—53)

5. A wheeled golf bag cart comprising an upstanding tube, a golf bag platform adapted to rest on the ground secured to the lower end of said tube and extending forwardly from the tube, a handle portion extending rearwardly from the upper end of said tube, an axle extending transversely of said tube in rearwardly spaced relation therefrom, laterally spaced wheels rotatably mounted on said axle, a pair of V-braces having their divergent ends secured to said axle and their convergent ends secured to said tube at longitudinally spaced portions thereof, and means for se-



curing the upper end of a golf bag to said tube, said wheels pivotally supporting the cart in laterally stable condition at all times and said handle portion being movable downwardly to tilt the tube for lifting the platform off the ground and for moving an intermediate portion of the tube over the wheels to balance the load above the wheels.

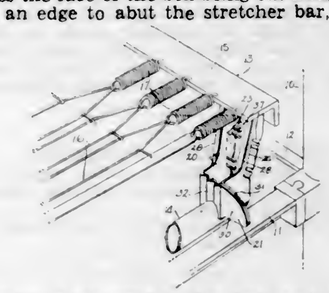
2,236,054
WHEEL
Bernardino Di Curzio, Detroit, Mich.
Application May 13, 1940, Serial No. 334,700
3 Claims. (Cl. 301—63)



1. A wheel comprising a hub having a circular main rim portion supported concentrically around it, radial braces secured at their opposite extremities to said hub and said main rim portion respectively, a ring resting against one side of the main rim portion adapted to engage one side of a tire mounted on said main rim portion, inwardly projecting radial lugs secured to the ring, and fastening means holding the braces and lugs relative to one another with the adjacent annular edges of the main rim portion and the ring in contact with one another.

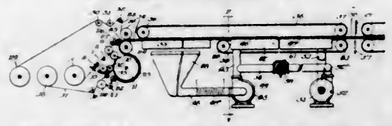
2,236,055
SPRING MATTRESS CORNER BRACKET OR CORNER BLOCK
Walter P. Gisske, Chicago, Ill., assignor to Wrought Washer Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 15, 1938, Serial No. 213,761
1 Claim. (Cl. 5—206)

A spring mattress corner bracket having a stretcher bar and a cross bar, said bracket comprising a generally box shaped stamping having a channel portion, the lower end of which has side wall extensions of unequal length, the longer of said side wall extensions being formed across the face of the box and extended therebeyond, the shorter of said extensions being extended parallel to and secured to the longer extension beyond the box wall whereby to reinforce the longer side wall extension and provide a foot, the portion of the longer side wall extension extending across the face of the box being cut away to provide an edge to abut the stretcher bar, the end



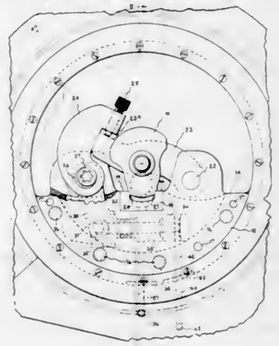
of which is received in the box, and a lip extension of the lower end of the channel being inturned to provide a seat for said stretcher bar.

2,236,056
APPARATUS AND METHOD OF MAKING CORRUGATED BOARD
Carl W. Grimm, Oak Park, Ill., assignor to Henry Pratt Company, Chicago, Ill., a corporation of Illinois
Application February 4, 1938, Serial No. 188,653
6 Claims. (Cl. 154—32)



1. The method of conditioning a moist corrugated paper assembly formed of a corrugated core and liners adhering thereto, which comprises continuously forcing a stream of heated dry air into one side of said assembly, withdrawing moist air from the other side of said assembly after said air has passed through said corrugated core, and returning such portion of said moist air to said incoming stream of air as may be necessary to secure a properly conditioned corrugated assembly from which excess moisture has been removed.

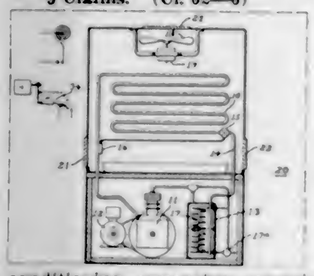
2,236,057
POWER CENTER DRIVE CHUCK
William F. Groene and Harold J. Siekmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application October 20, 1939, Serial No. 300,414
10 Claims. (Cl. 82—40)



1. In a center drive lathe, a frame, a center

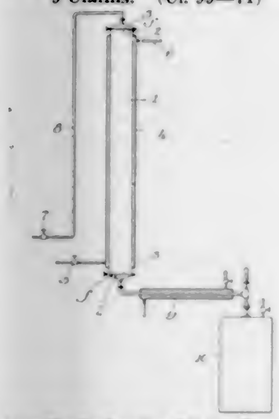
drive ring gear rotatably mounted in said frame, a power operated chucking device in said ring gear, and means for applying power for operating said chucking device from a point exterior of said ring gear, said means being restricted within the width of said frame and center drive ring gear.

2,236,058
REFRIGERATING APPARATUS
Charles F. Henney, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 9, 1935, Serial No. 44,249
5 Claims. (Cl. 62—6)



5. Air conditioning apparatus comprising, a compressor, a condenser and an evaporator in refrigerant flow relationship, a blower for blowing air over said evaporator, means responsive to changes in the moisture content of the air for automatically varying the operation of said blower, and means for operating said compressor at either a high speed, low speed or for stopping said compressor in response to changes in at least one function of the psychrometric condition of the air.

2,236,059
METHOD OF MAKING COMMERCIAL COFFEE EXTRACT
Herman Heuser, Evanston, Ill.
Application January 7, 1939, Serial No. 249,718
9 Claims. (Cl. 99—71)



1. The method of extracting coffee which comprises roasting coffee in the customary manner, grinding the coffee to a suitable fineness, providing an enclosed column of the ground roasted coffee which is so high that only water under a superatmospheric pressure will percolate through the coffee, and percolating such water through the coffee.

2,236,060
DRINKING CUP
Meade Hyndman, St. Louis, Mo.
Application November 3, 1938, Serial No. 238,524
6 Claims. (Cl. 229—53)



1. A cup made from a blank of flexible material and comprising a middle panel and two side panels attached to the side edges of the middle panel and having their margins overlapping and attached together, and means attaching the lower margins and upwardly diverging portions of the side panels directly to the middle panel over a defined area of predetermined size extending upwardly from the lower ends of said panels and providing a substantially stiff handle at the lower end, and at diametrically opposite sides of the cup above said attached margins.

2,236,061
METHOD OF MAKING FILMS, THREADS, AND THE LIKE
Emmette F. Izard, Kenmore, and Earl J. Kohn, East Aurora, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1937, Serial No. 145,118
16 Claims. (Cl. 18—54)

1. In a process for the manufacture of polyvinyl alcohol articles, the step comprising coagulating an aqueous solution of polyvinyl alcohol in an aqueous solution of inorganic salt having substantially no oxidizing action, the concentration of the inorganic salt aqueous bath being sufficient to effect coagulation in the desired time.

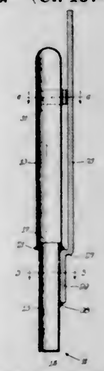
2,236,062
KNUCKLE JOINT
Morris Katcher, New York, N. Y.
Application June 27, 1939, Serial No. 281,321
3 Claims. (Cl. 287—90)



1. A joint comprising a housing having an aperture at one side and a hollow shank extending from the housing at another side substantially at right angles to the first side with an opening between the interior of the housing and the interior of the shank, a stud extending through said aperture and having a bearing surface within said housing, a bushing in direct contact with the wall of the housing at one end, at the other end projecting into the housing opposite and only part way across said opening and away from the wall of said housing, said bushing having an inner bearing surface conforming with the bearing surface of the stud, means constantly urging said bearing surfaces

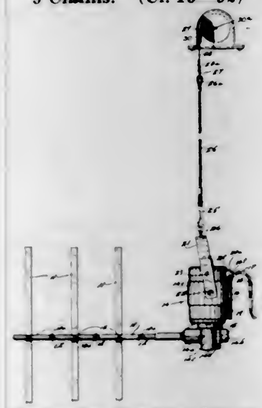
into bearing relationship with each other, and an inset placed in the housing retaining the stud in the housing, said inset having a tail closing off said opening.

2,236,063
SAMPLING DEVICE
Joseph S. Losee, Hebron, Ill.
Application June 19, 1940, Serial No. 341,399
9 Claims. (Cl. 137—18)



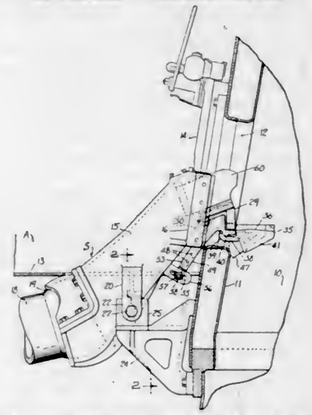
1. A sampling device comprising means forming a handle, a container on said handle having an opening defined by a rim, and means on said container forming a shoulder on said rim spaced from and facing in the direction of said opening, whereby to support a test tube on the device in position with the open end of the test tube embracing said rim and resting on said shoulder.

2,236,064
FUR AND FABRIC WHIPPING MACHINE
Charles M. McCarthy, Minneapolis, Minn.
Application December 8, 1937, Serial No. 178,721
5 Claims. (Cl. 15—92)



1. In a device for treating fur or fur fabrics having a substantially horizontal beater shaft and a motor for driving the same, said motor having a cylindrical casing with a substantially vertical axis, the combination of a pad extending concentric with the surface of said casing adjacent thereto and a handle extending upwardly from the top central portion of said pad and reversely curved to extend substantially parallel thereto and having a free lower end.

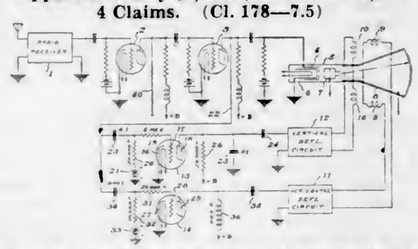
2,236,065
LOCOMOTIVE STOKER
Russell A. Mickle and Joseph B. MacKenzie, Erie, Pa., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application October 22, 1938, Serial No. 236,444
13 Claims. (Cl. 110—105.5)



1. The combination in a stoker of a fuel distributor, fuel deflecting means disposed above and spaced from said distributor and a plate-like member engaging said deflecting means, said plate-like member being arranged for relative upward and downward movement with respect to said deflecting means and the lower edge thereof resting on said distributor, said plate-like member forming a seal between the distributor and the deflecting means.

11. In combination with a stoker discharge conduit, a fuel distributor arranged to receive fuel from said discharge conduit, deflecting means above said distributor mounted with said conduit for movement about an upwardly extending axis, said distributor being mounted with the bottom wall of said discharge conduit at the discharge end thereof for pivotal movement about a transverse axis toward and away from the deflecting means and a plate-like member engaging said deflecting means, said plate-like member being arranged for relative upward and downward movement with respect to said deflecting means to form a seal between the distributor and the deflecting means in any one of a number of positions of said distributor.

2,236,066
TELEVISION APPARATUS
Waldemar J. Poch, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1935, Serial No. 24,207
4 Claims. (Cl. 178—7.5)



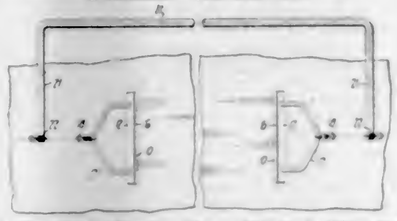
1. In a television receiver of the type including a cathode ray tube having deflecting means for

deflecting the cathode ray vertically and deflecting means for deflecting the cathode ray horizontally, a vertical deflecting circuit coupled to said first means, a horizontal deflecting circuit coupled to said second means, a signal channel for the reception of a composite signal comprising picture signals and vertical and horizontal synchronizing signals, said horizontal impulses occurring at a higher frequency than said vertical impulses, an electric discharge tube having a cathode, a control grid and an anode, said electric discharge tube having an output circuit including said anode, means including said electric discharge tube for reducing the amplitude of said picture signals relative to said impulses, means for impressing said composite signal upon said grid whereby said impulses of greater relative amplitude than said picture signals appear in said output circuit, means for coupling said output circuit to said vertical deflecting circuit, a second electric discharge tube having a cathode, a control grid and an anode, said second tube having an output circuit including said second anode, means including said second tube for reducing the amplitude of said picture signals relative to said impulses, means for impressing said composite signal upon the grid of said second tube whereby said synchronizing impulses of relatively greater amplitude than said picture signals appear in said second output circuit, and means for coupling said second output circuit to said horizontal deflecting circuit.

2,236,067
APPARATUS FOR THE CUTTING OF SKIN GRAFTS

Edgar J. Poth, San Francisco, Calif., assignor to The Board of Trustees of the Leland Stanford Junior University, a body corporate of California

Application May 10, 1939, Serial No. 272,774
3 Claims. (Cl. 128—20)



1. In apparatus for the cutting of skin grafts, a pair of retractor elements each provided with a row of needle points for engagement with the skin of a donor, a substantially U-shaped traction bar, and means forming single points of swivel connection between each of said retractor elements and the side branches of said traction bar, said points of swivel connection being adjustable to accommodate for varying distances between said retractor elements.

2,236,068
REFLECTOR SIGN

William H. Rapp, New Rochelle, N. Y.

Application February 6, 1940, Serial No. 317,487
4 Claims. (Cl. 40—142)

2. In a sign used for numbers and name plates, a flat rigid plate formed with laterally extended elongated slots, numbers or letters for engagement on said plate, said numbers or letters being formed with apertures in aligned positions with said slots, rivets freely engaged through said aligned apertures and slots, whereby said numbers and letters may be shifted with relation to each other to properly space said numbers or



letters on said plate, and means on said plate for temporarily holding said numbers or letters in their adjusted positions.

2,236,069
CAMERA

Frank A. Robinton, Hartford, Conn., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware

Application May 31, 1939, Serial No. 276,639
6 Claims. (Cl. 95—44)

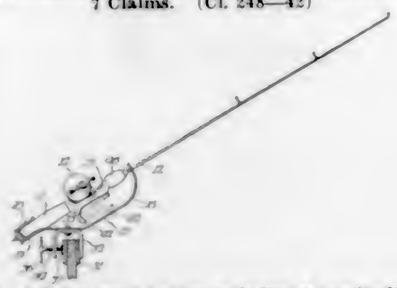


1. For use with a camera, a lens mount comprising a first member adapted to be fixedly attached to said camera, a second member rotatably mounted on said first member, a plurality of lenses mounted on said second member, means for resiliently urging said second member in a direction toward said camera whereby one of said lenses selected for effective use by rotating said second member may be resiliently maintained in proper optical alignment with the camera aperture, means comprising a splined connection between said first and second members for preventing rotational movement of said second member when said selected lens is thus properly aligned, said second member being movable away from said first member against the action of said resilient means to render said rotational movement preventing means ineffective, and projections on said first member so constructed and arranged as to be received within and to protectively cover the ends of the unselected lens.

2,236,070
FISHING ROD HOLDER

John D. Rohrdanz, Harvey, Ill.

Application September 1, 1939, Serial No. 293,012
7 Claims. (Cl. 248—42)



1. A fishing rod holder including a longitudinal member having a forked end adapted to receive a portion of the fishing rod forward of the grip and carrying at its other end an extension adapted to cooperate with the adjacent end of the longitudinal member to hold the end portion of the fishing rod, the extension of the longitudinal member and the adjacent portion of the longitudinal member being disposed opposite to one another normally in rigid relation to one another and curved in cross section to form a socket.

2,236,071
JACK-O'-LANTERN BATTERY AND LAMP BULB HOLDER

Albert J. Roskam, Culver City, and Willard R. Spiess, Venice, Calif.

Application February 19, 1940, Serial No. 319,594
1 Claim. (Cl. 240—16)

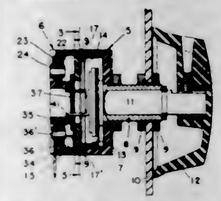


A battery and lamp bulb receiving and holding, and circuit closing device made of flat, sheet metal, consisting of a unit of one piece and including a flat, oblong, backbone part of a width about equal to the diameter of a given battery and having parallel, plane top and bottom lugs bent perpendicular to one and the same side of the backbone, flat, resilient arms bent and extending from the same side of the backbone as the said lugs and in spaced converging relation to receive the given battery and hold it in a position between the lugs and in alinement therewith, and the bottom lug having spaced prongs downwardly extending from its sides below the said arms whereby to affix the holding device to an appropriate support the top lug being perforated to threadedly receive a bulb base.

2,236,072
ELECTRICAL CONTROL DEVICE

Harry W. Rubinstein and Herbert L. Zimmerman, Milwaukee, Wis., assignors to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application October 15, 1938, Serial No. 235,217
7 Claims. (Cl. 200—116)

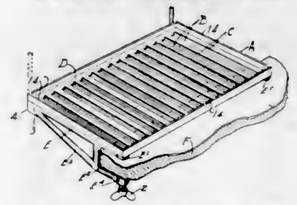


1. A device of the character described comprising an insulating housing, a line switch and a thermal switch supported in the housing and electrically interconnected, and common means for first opening the line switch and then resetting the thermal switch and comprising a rotatable disk mounted in the housing and having a recessed face cooperable with the line switch and also provided with a projection on its periphery cooperable with the thermal switch.

2,236,073
SUPPORT FOR ELECTRICALLY HEATED SADIRONS

Helene A. Schack, St. Paul, Minn.

Application March 8, 1939, Serial No. 260,551
3 Claims. (Cl. 248—117.2)



3. An iron holder of the class described comprising a base plate, a peripheral flange projecting upwardly from said plate, a series of lips projecting upwardly from the sides of transverse slots cut in said base plate, supporting brackets for said base plate, said brackets extending along and underneath the ends of said base plate, and spaced apart jaws carried by one end of each bracket to hold said base plate above the said jaws.

2,236,074
WATERPROOFING OF TEXTILE MATERIALS

Fernand Frederic Schwartz, Paris, France, assignor, by direct and mesne assignments, to American Ecla Corporation, Dover, Del., a corporation of Delaware

No Drawing. Application December 10, 1936, Serial No. 115,267. In France December 19, 1935
4 Claims. (Cl. 91—68)

1. The herein described process for rendering a textile material water-repellant by means of an aluminum salt which remains precipitated on the fibres of the material in finely subdivided and insoluble form, which comprises treating the textile material with a liquid consisting of an organic acid selected from the group consisting of acetic acid and lactic acid mixed with a solution which with the acid will form an aluminum salt and a proportion of an organic liquid wetting agent, which wetting agent (*a*) is an alcohol selected from the group consisting of butyl alcohol and isobutyl alcohol, (*b*) is compatible with the said aqueous solution of the aluminum salt in the concentration employed, (*c*) lowers the surface tension of the solution, (*d*) has a boiling point not exceeding 130° C., and drying the treated textile material to remove the organic liquid wetting agent.

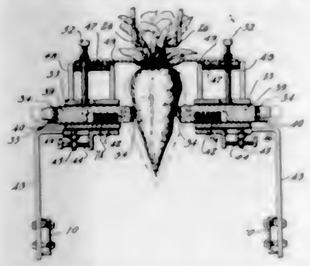
2,236,075
HARVESTER FOR PLANTS OF THE BEET TYPE

Henry M. Siemann, Fort Lupton, Colo., assignor of forty-nine per cent to Eugene De Muth, Fort Lupton, Colo.

Application July 31, 1939, Serial No. 287,535
10 Claims. (Cl. 146—85)

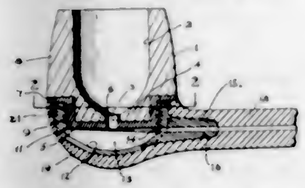
1. A topping mechanism for beet harvesters of the type in which the beets are elevated by means of their foliage comprising: a knife plate at each side of the line of travel of said beets; means for hingedly supporting said knife plates at their forward extremities so that they will lie in a substantially horizontal plane; a rotating knife disc supported by each knife plate adjacent its rearward extremity; a stationary knife blade connecting said rearward extremities at the rear of

said rotating knives; and gauge plates projecting inward from said knife plates so as to overlie



the crowns of said beets and align them with said knives.

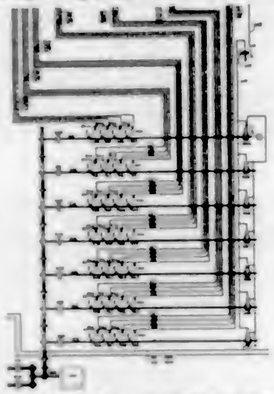
2,236,076
NO-SHANK PIPE
Louis Silber, Cleveland, Ohio
Application August 23, 1938, Serial No. 226,319
4 Claims. (Cl. 131—214)



1. A structure of the character described having in combination a bowl section, an integral base and stem section, means for interlockingly engaging said sections, said means providing an intermediate spaced area forming a condensing chamber, and a smoke passageway of substantially uniform diameter throughout its length extending through said combined base and stem section along a straight line substantially in the plane of the under face of the bowl section and entering the condensing chamber at a point of maximum elevation above the base of said condensing chamber.

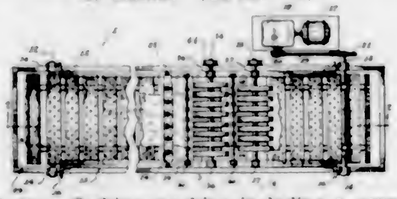
2,236,077
AUTOMATIC STOCK QUOTATION BOARD
Clyde Smith, Hopkinsville, Ky., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 29, 1930, Serial No. 457,337
3 Claims. (Cl. 177—353)

1. In a stock quotation system, a stock quotation board having a plurality of stock display units, each unit having a plurality of quantity display indicators, an operating magnet for each unit and common to the indicators thereof, a shaft individual to each indicator, means for positioning any of said indicators when the movement of the shaft individual thereto concurs with the energization of the associated operating magnet, a plurality of code selective devices, each for positioning a corresponding shaft, a plurality of selective circuits each for positioning a corresponding code selector device, a selective circuit common to said operating magnets, stock selecting means for extending said common selective circuit to the operating magnet of a predetermined unit, a plurality of storage relay groups for selectively operating said code selective devices and for completing said common selective circuit,



and a distributor for selectively operating said storage relays.

2,236,078
FLESHING MACHINE
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application March 1, 1939, Serial No. 259,290
15 Claims. (Cl. 149—19)



1. In a fleshing machine including a conveying means, fleshing means mounted relative to the conveying means comprising a series of rotatable fleshing rollers mounted in spaced longitudinal relationship transversely of the path of movement of the conveying means and presser means intermediate each pair of fleshing rollers.

2,236,079
WALL BOLT
Frank F. Wipper, Fresno, Calif., assignor of ten per cent to La Mone B. Call, Fresno, Calif.
Application February 23, 1940, Serial No. 320,438
2 Claims. (Cl. 85—2.4)

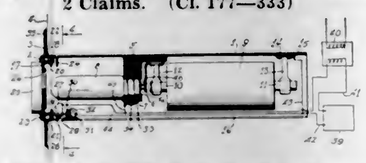


1. A wall bolt comprising a plug having an axial bore, a bolt rotatably extending through said bore and projecting beyond the plug, the projecting portion of the bolt being threaded, a head threaded on the bolt and initially disposed some distance from the plug, axial necks formed on adjacent ends of the plug and head, a plurality of bendable metal strips engaging at their ends on and extending longitudinally between said necks, and means securing said ends of the strips on the necks in fixed relation; said means comprising clamping rings surrounding the ends of the strips and necks, the necks having annular grooves therein and rings deforming the adjacent portions of the strips thereinto.

2,236,080
SWEETENING GASOLINE
Charles Wirth, III, and William B. Shanley, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 8, 1939, Serial No. 293,926
1 Claim. (Cl. 196—30)

In the sweetening of sour gasoline distillates by treatment with solid copper-containing sweetening agents, the improved cycle of operation which comprises continuously passing cracked gasoline into and out of contact with a mass of the sweetening agent until a substantial quantity of cracked gasoline has been sweetened by said mass, then discontinuing the treatment of cracked gasoline with said mass while continuing its use in the sweetening of straight-run gasoline until a substantial quantity of the latter has been sweetened by said mass, thereafter regenerating said mass by oxygen treatment in the absence of gasoline, and, following the regeneration, initiating the aforesaid cycle of operation by again treating cracked gasoline with said mass.

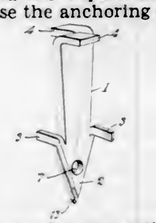
2,236,081
ANNUNCIATOR MEANS
John L. Wood, Sacramento, Calif.
Application July 1, 1939, Serial No. 282,568
2 Claims. (Cl. 177—333)



1. Annunciator means for a dwelling comprising a lamp with its base, a socket assemblage comprising a receptacle in which the lamp base is seated, a resistor with two terminals one of which is included in said assemblage in contact with said base preparatory to the maintenance of a current sufficient to illuminate the lamp, mounting means to which said assemblage is attached, a portion of said mounting means demarcating the diametral confines of the lamp, socket assemblage and resistor, the mounting means establishing a unit formation tightly fittable in a hole of prescribed size in a support forming part of the dwelling, a pair of contacts and connections between them and the respective lamp base and remaining resistor terminal, and switch means to control the lamp and resistor consisting of a translucent button in front of the lamp, a ring in the center of which the button is fitted, and spring elements in back of the ring pressing against part of the mounting means to normally maintain an open circuit at said contacts.

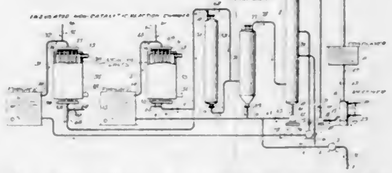
2,236,082
BUILDING CONSTRUCTION
James H. Wright, Chicago, Ill.
Application June 29, 1939, Serial No. 281,771
1 Claim. (Cl. 72—101)

An article of manufacture comprising, a flat elongate body member adapted to be embedded in a molded structure, said body member having a pointed end to be driven into a penetratable form which forms the outline of said molded structure and which is to be removed therefrom after the molding operation, said body member having a combined impact and anchorage element at its upper end and having portions struck out therefrom along the length and from the opposite edges thereof between the impact and anchorage element and the pointed end whereby the body member is of reduced width between the pointed end and the impact and anchorage element to increase the anchoring effect of the body



member, said struck out portions extending in opposite directions transversely of the length of the body member, said pointed end having means thereon positioned a definite distance below the struck out portions for supporting an auxiliary structure, whereby the pointed end may be driven into the penetratable form and the struck out portions will form a stop having a large area independent of the thickness of the body member to position the supporting means a definite distance below the molded structure when the form is removed.

2,236,083
CATALYTIC CONVERSION OF HYDROCARBON OILS
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 5, 1939, Serial No. 271,831
3 Claims. (Cl. 196—48)

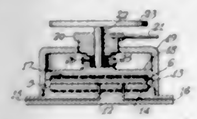


3. A hydrocarbon oil conversion process which comprises simultaneously subjecting relatively light and heavy oils to independently controlled catalytic cracking in separate cracking zones, discharging resultant heated products from both said zones into a reaction zone and therein subjecting the same to non-catalytic cracking by the contained heat thereof, removing vapors from the reaction zone, fractionating the same to form relatively light and heavy reflux condensates, supplying the relatively light and heavy reflux condensates respectively to the light oil cracking zone and the heavy oil cracking zone, and finally condensing the fractionated vapors.

2,236,084
ADJUSTABLE FLOW RESTRICTOR
William J. Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application January 7, 1939, Serial No. 249,787
3 Claims. (Cl. 138—43)

1. A valve comprising two plates having two

of their surfaces in approximately perfect contact, means for rotating at least one of said plates with respect to the other about an axis normal to the plane of said surfaces, and releasable means for normally maintaining said surfaces of said plates in intimate contact, one of said plates having a capillary groove of ser-



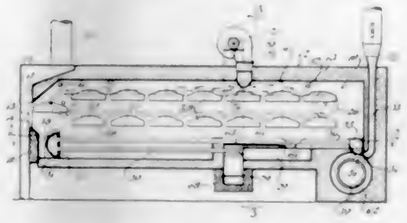
pentine pattern provided in its contacting surface, the other plate having two spaced ports therein communicating with its contacting surface, one of said ports being located at said axis and communicating with a given point on said groove and the other port communicating with various points on said groove as said parts are relatively rotated.

2,236,085

BAKING OVEN

John V. Cook, Chicago, Ill., assignor to Petersen Oven Company, Chicago, Ill., a corporation of Illinois

Application July 22, 1940, Serial No. 346,818
9 Claims. (Cl. 107—63)



1. In combination, a baking oven including a baking chamber, means for indirectly heating said chamber, and power actuated suction-blower apparatus including inlet and outlet ducts communicating with the chamber, one of said ducts being located in close proximity to a portion of said indirect heating means, whereby air and gases are drawn from the chamber, and heated and again forcibly injected into said chamber for maintaining the air and gases within the chamber in an agitated condition.

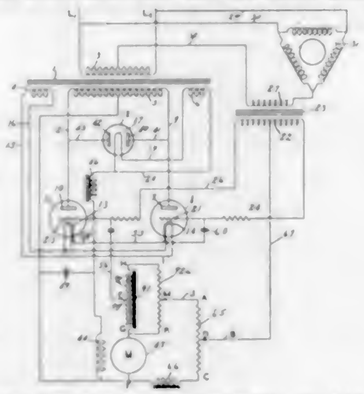
2,236,086

ELECTRICAL CIRCUIT FOR DIRECT CURRENT MOTORS

Richard E. Conover, Dayton, Ohio

Application November 16, 1937, Serial No. 174,789
3 Claims. (Cl. 171—312)

1. A circuit for controlling the speed of direct current motors comprising a discharge tube having an anode plate, a grid and a cathode, an autotransformer and a direct current motor electrically connected to the cathode of said tube, means for impressing a voltage between the anode and cathode of said tube from an alternating current source of power, an alternating current source of power in fixed phase relation with the plate voltage for impressing voltage upon the grid to cause current to flow to said autotransformer and to the motor, and means proportional to the voltage induced in the secondary winding of the autotransformer and the motor armature



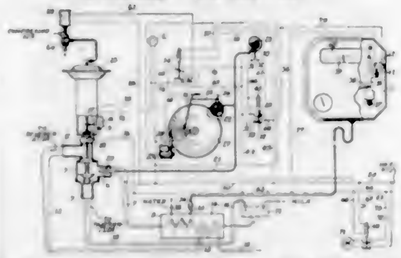
voltage for varying the potential of said grid with respect to its cathode.

2,236,087

PASTEURIZING SYSTEM

Joseph S. Detwiler, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application April 4, 1940, Serial No. 327,847
4 Claims. (Cl. 236—18)



1. In a pasteurizing system provided with a flow diversion valve, said valve having an inlet port, an outlet port and a diversion port, means normally responsive to the temperature of a liquid introduced into said inlet port for opening said outlet port and closing said diversion port when said liquid is at a given temperature and for reversing the condition of said last-mentioned ports when said liquid is below said given temperature, means including an adjustable controller for maintaining said liquid at said given temperature said controller being provided with an index for indicating the temperature to be maintained in said liquid, and means responsive to an adjustment of said controller and its index to a temperature below said given temperature for maintaining said outlet port open and said diversion port closed irrespective of the temperature of the liquid introduced into said inlet port.

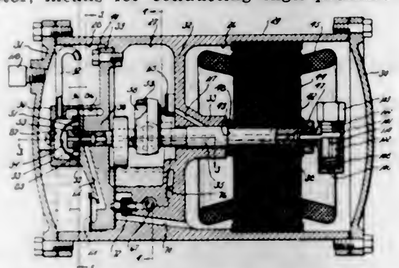
2,236,088

REFRIGERATING APPARATUS

Ralph W. Doeg, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application April 24, 1939, Serial No. 269,598
9 Claims. (Cl. 230—58)

1. A refrigerating apparatus comprising a casing having a partition for dividing the casing into a high pressure compartment and a low pressure compartment, a shaft journalled in said partition, a motor and a compressor in said casing and connected to said shaft whereby the compressor is operated upon the rotation of the motor, means for conducting high pressure re-



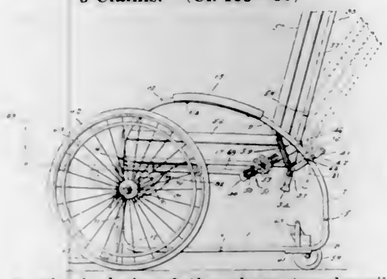
frigerant from said compressor to the high pressure compartment, an oil reservoir in said high pressure compartment, means forming communication with said oil reservoir and shaft whereby the oil of the reservoir may be supplied to the shaft by the pressure of the refrigerant in said high pressure compartment.

2,236,089

WHEEL CHAIR

Samuel Ducavich, Chicago, Ill.

Application April 21, 1937, Serial No. 138,259
3 Claims. (Cl. 155—30)



2. A wheel chair of the character described, said wheel chair comprising a frame composed of side members each including a lower element and an upper element with a vertical front element connected between said upper and lower elements, a front cross member extending between said side members and connected to said upper and lower elements, a seat frame having its front end pivoted on said front cross member, means connecting the rear end of the seat frame with the upper elements of the side members, a chair back having its lower end pivotally supported on the rear end of said seat frame, means on said chair back for securing the same in adjusted position, said upper elements including arm rests.

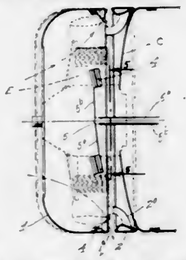
2,236,090

ADJUSTABLE GILL FOR AIRCRAFT ENGINE COWL

John H. Engel, Escondido, Calif.

Application December 13, 1937, Serial No. 179,539
6 Claims. (Cl. 123—171)

1. In an adjustable gill for aircraft engine cowl on the class described, the combination of a cowling, an exhaust collector ring for said aircraft engine rigidly secured forwardly of said cowling and back of said engine and outwardly thereof, and an engine cowl substantially coextensive in diameter with said exhaust collector ring positioned with its rear side in spaced relation with



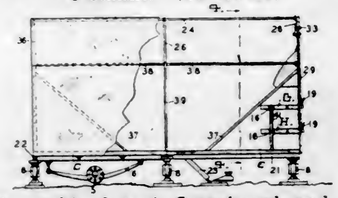
the front side of said exhaust collector ring and provided with a constant area opening in its front side and shiftably mounted forwardly and backwardly over said engine and relatively to said exhaust collector ring.

2,236,091

COMBINED TRAILER AND TENT CONSTRUCTION

George W. Fletcher, San Francisco, Calif.

Application September 3, 1940, Serial No. 355,136
5 Claims. (Cl. 135—1)



1. A combined tent floor board and trailer, comprising a portable frame, a main floor board secured thereto, side boards hinged to said main floor board, floor supports hinged to said frame and adapted to support an auxiliary floor board in the same plane as said main floor board, side boards hinged to said auxiliary floor board, and fastening means including end gates for securing said main and auxiliary floor boards superimposed one upon the other for transportation, the sides of said main floor board and said fastening means forming a box-like structure.

2,236,092

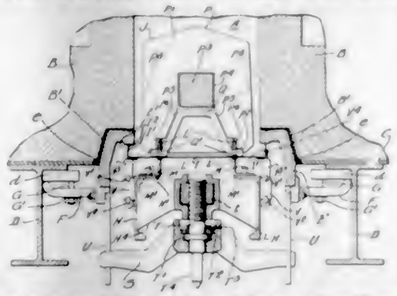
COKE OVEN DOOR

Benjamin A. Freeman, Montclair, N. J., assignor, by mesne assignments, to Wilputte Coke Oven Corporation, New York, N. Y., a corporation of Maine

Application February 9, 1939, Serial No. 255,418
11 Claims. (Cl. 202—248)

1. A self-sealing coke oven door comprising in combination, a relatively rigid metallic outer section, an inner plug section, a sealing member comprising a flexible through plate interposed between said outer and plug sections, supporting means secured to said plate through which the latter supports the weight of the plug section, a connection beneath the upper portions of said plate and outer section through which the latter supports the weight of the plate and plug section, connections between said outer section and vertically distributed portions of said plate below the first mentioned connection and between and displaced from each of the two side edges of

the plate and adapted to oppose horizontal movement and to permit vertical movement of said distributed portions relative to said outer section,



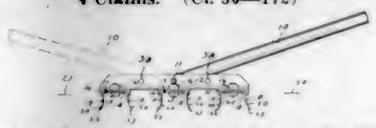
and adjusting means acting between said outer section and the portions of said plate distributed along the margin of the latter.

2,236,093

SURFACE SCRAPER

Richard N. Friend, Sioux City, Iowa

Application April 27, 1939, Serial No. 270,387
4 Claims. (Cl. 30—172)



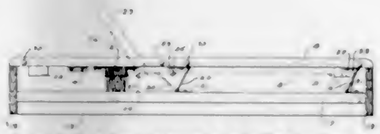
4. A surface scraper comprising a plurality of spaced transverse channels, means for forcing the lower edges of said channels against surfaces to be scraped, said channels including substantially arcuate and outwardly bent lower side edges to provide sharpening action against rear edges when forward edges are applied against scraped surfaces, a holding plate, means for pivoting said channels to said plate to cause rocking action thereto.

2,236,094

ADJUSTABLE TABLE TOP

Bert H. Gibson and Leroy C. Lunsford, Newcastle, Ind., assignors to The Hoosier Manufacturing Company, Newcastle, Ind., a corporation of Indiana

Application October 16, 1939, Serial No. 299,637
5 Claims. (Cl. 311—48)



1. In a table top having a shiftable top section and an apron, the combination of a pair of leaf sections, means hinging inner ends of the leaf sections together, and hinge means comprising a plurality of links supported by said apron and connecting toward each end of one of the leaf sections to give a travel of the said one leaf section from below parallel with and to the level of said top section, said hinge means locating said one leaf section adjacent one side and within said apron, and a fulcrum between the center line of the table and the apron and closer to the center line than to the apron, over which fulcrum the other of said leaf sections may be swung and bear to pull up and push over said one leaf section from a stored position below said top section to a service position on said apron level with the top section.

2,236,095

CABINET FOR LUBRICANT DISPENSING APPARATUS

Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio

Application September 23, 1937, Serial No. 165,378
5 Claims. (Cl. 312—151)



1. In a dispensing apparatus of the character described, a base, a housing supported on the base, and means for elevating said housing relative to said base, said means comprising a cylinder, a piston and a piston rod, means for introducing fluid pressure to said cylinder, said cylinder being fixed to said base, a perforated collar carried by said piston rod, a headed pin extending loosely through the perforation thereof and means to prevent rotation of said collar and piston rod relative to said housing.

2,236,096

MANICURING IMPLEMENT

Stephen C. Henry, Germantown, Ohio

Application February 21, 1940, Serial No. 320,129
4 Claims. (Cl. 132—73)



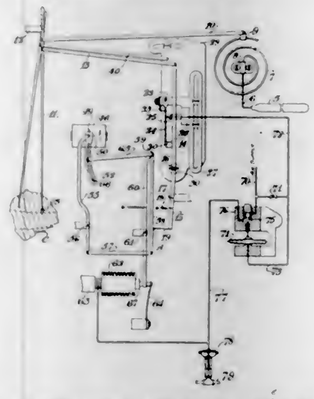
1. A manicuring implement adapted to be inserted into an internally tapering neck of a bottle of manicuring fluid and functioning as a stopper therefor, said implement including a wheel portion merging into a shank portion of reduced diameter, the maximum diameters of the wheel portion lying in a plane normal to the longitudinal axis of the shank portion, so that the wheel portion is symmetrically disposed with respect to the shank portion, the end of the wheel portion being provided with a concave cavity for supplying the manicuring fluid to the nail, so that as the wheel is rotated on top of the nail with the end of the wheel in contact therewith, manicuring fluid is supplied to the parts coming in contact with the wheel.

2,236,097

REGULATOR

Karl H. Hubbard, Rochester, and William J. Brown, Spencerport, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application May 15, 1937, Serial No. 142,854
7 Claims. (Cl. 236—82)



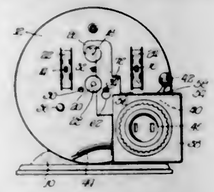
1. In a regulating device for maintaining a condition at a given value, means sensitive to and actuated by a variation in said condition, primary mechanism operable in an initial direction by said means, secondary mechanism including means responsive to the operation of the primary mechanism for originally operating said primary mechanism in the reverse direction, said secondary mechanism also including a rotatable drum, means for rotating said drum at a substantially uniform rate, a rotatable disc in engagement with said drum and having its axis of rotation normally parallel to the axis of rotation of said drum, means including said responsive means for angularly displacing the axis of said disc an amount which is a function of said initial operation of said primary mechanism, the rotation of said drum serving to move said disc and thereby restore the axis thereof to parallelism with the axis of said drum at a diminishing rate, means controlled by said disc for governing the operation of said secondary mechanism, and a member jointly controlled by said primary and said secondary mechanisms.

2,236,098

TIME CONTROLLED SWITCH

Paul Iannotti, Chicago, Ill.

Application August 5, 1939, Serial No. 288,493
5 Claims. (Cl. 200—35)



1. A time control switch of the character described comprising, in combination, an alarm clock having an alarm winding stem, an actuatable element on said alarm winding stem, a switch box having an external control capable of being actuated by the actuatable element on the winding stem, and means on said switch box for holding said control in engagement with said actuatable element, said means comprising an adaptor plate having a plurality of slotted portions for engaging a like plurality of protruding elements on the back of the alarm clock whereby vertical positioning of the switch box will dispense with the tightening of locking means on any of said slotted portions.

2,236,099

TREATMENT OF PARAFFIN HYDROCARBONS

Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application April 17, 1939, Serial No. 268,346
15 Claims. (Cl. 196—10)

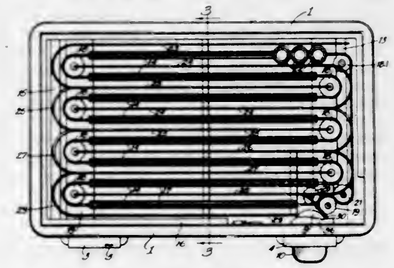
8. A process for synthesizing hydrocarbons which comprises alkylating a paraffin with an olefin in the presence of a metal halide catalyst and a hydrogen halide.

2,236,100

CONVEYER FOR VENDING MACHINES

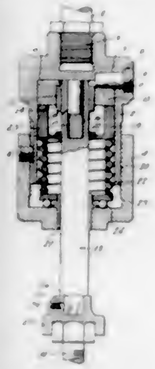
Karl W. Karnopp, Waukegan, Ill., assignor, by mesne assignments, to The Kalva Venders, Inc., a corporation of Illinois

Application March 31, 1938, Serial No. 199,098
5 Claims. (Cl. 198—181)



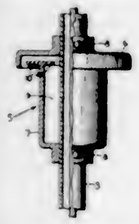
1. An endless conveyer for supporting a quantity of articles throughout its length and for carrying said articles to an unloading mechanism comprising an endless carrier forming a tortuous path including straight sections and curved sections joining said straight sections, retainers for the carrier at the straight sections comprising channel members having a web for supporting the carrier and legs extending to a level below the upper surface of said carrier spaced apart a distance greater than the width of the carrier and idler wheels in the same horizontal plane as said carrier for conducting the carrier around the curved sections, and guides for the articles comprising partitions between adjacent sections of the carrier spaced apart a distance slightly in excess of the width of an article, said guides being positioned parallel to the channels at the straight sections and being curved at one end of each for guiding articles at either side, one of said guides at the unloading end of the carrier having an opening in the outside straight section thereof to permit removal of said articles from the carrier, and a deflecting vane extending obliquely across a straight section of the carrier from one side of said opening for directing articles from the conveyer outward through the opening.

2,236,101
TORQUE LIMITING CHUCK
Arthur I. Kirkland, Detroit, Mich., assignor to Detroit Power Screwdriver Company, a corporation of Michigan
Application May 31, 1940, Serial No. 337,971
7 Claims. (Cl. 192—30.5)



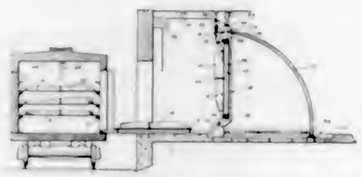
1. A chuck comprising a rotary housing, a driven clutch member therein and having abutments, driving members propelled by said housing and adapted to engage said abutments, a work shaft having a sliding connection with said clutch member in driving relation therewith, and a spring bearing against said housing and supporting said clutch member in driving relation with said driving members, said spring being disposed between said clutch member and the working end of said shaft, whereby said driving members override said abutments and shift said member on said driving connection to compress said spring, when the torque developed in said shaft exceeds the tension of said spring.

2,236,102
HIGH FREQUENCY WAVE TRANSMISSION SYSTEM
Frederick A. Kolster, Garden City, N. Y., assignor to International Telephone Development Co. Inc., New York, N. Y., a corporation of Delaware
Application April 28, 1938, Serial No. 204,735
8 Claims. (Cl. 250—33)



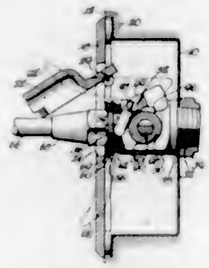
1. A coaxial transmission line having a sheath, a conductive shell around said sheath at an intermediate position along said sheath, said shell being shaped to enclose an annular cavity around said sheath, and capacity means for tuning said shell to a desired frequency whereby the transmission along said line of waves of said frequency may be controlled.

2,236,103
ARTICLE HANDLING MEANS
Carl L. Lohner and Andrew S. Hartanov, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application January 2, 1940, Serial No. 312,165
8 Claims. (Cl. 214—38)



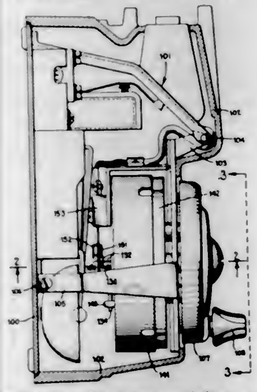
1. In combination with means for vertically suspending an article, transfer means comprising a truck providing a supporting surface and mounted upon trolley wheels, a rack adapted to fixedly mount the truck, the rack at one end being provided with surface engageable means and at its opposite end with a lifting means, the lifting means being operable in one movement to pivot the rack and truck mounted thereon from a horizontal position to a vertical position whereby the supporting surface of the truck and one surface of the suspended article may be brought adjacent one another and suspension of the suspended article transferred to the truck surface, and in a second movement to pivot the rack and mounted truck and article from their vertical position to a horizontal position whereby upon release of the truck from the rack the article may be handled horizontally thereon.

2,236,104
GAS OUTLET BOX
Robert D. McIntosh, River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1940, Serial No. 365,318
6 Claims. (Cl. 137—111)



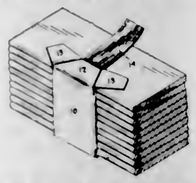
1. A gas outlet unit comprising a gas valve including an inlet connection, an outlet connection, a valve stem and handle and a fitting on said outlet connection for connecting a gas line thereto, a spring pressed detent on the body normally engaging and locking said stem in valve closing position and a trip member on the valve body cooperating with the detent having a position adapted to be actuated by said fitting when the fitting is attached to the outlet connection for releasing said detent to permit the valve to be turned on.

2,236,105
TELEPHONE SUBSET ARRANGEMENT
Ernest S. McLarn, Manhasset, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 29, 1938, Serial No. 237,697
7 Claims. (Cl. 179—100)



1. A telephone subset comprising, a supporting plate, a casing having an aperture, a supporting bracket carried by said plate, a magneto generator pivotally supported by said bracket within said casing but spaced from said plate, another subset circuit component supported from said plate between said plate and said generator, driving means for said generator extending through said aperture, and means for removably securing said generator to said supporting plate to prevent pivotal movement of said magneto with respect to said bracket.

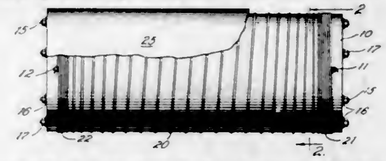
2,236,106
BINDING CLIP
Walter R. Meier, Lincoln, Nebr.
Application June 29, 1938, Serial No. 216,511
3 Claims. (Cl. 281—25)



1. In combination, a plurality of leaves or signatures assembled in book form, the leaves or signatures being provided with angularly disposed registering slits projecting inwardly from the back edges thereof, a clip including a pair of angularly disposed wings seated in the slits of the leaves or signatures, a body portion connecting said wings, clamping ears projecting from the extremities of said wings and said body portion and bent down into clamping engagement against the front and rear surfaces of the book, and a tape passing through said clip and projecting beyond both extremities thereof, said tape being adapted for securing covers to the book.

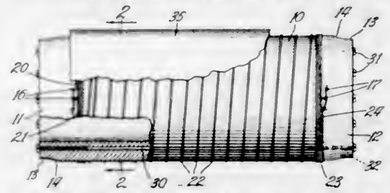
2,236,107
CONCRETE PIPE
Joseph E. Miller and Paul L. Osweiler, Oak Park, Ill.
Application March 4, 1938, Serial No. 193,976
5 Claims. (Cl. 138—84)

1. A reinforced concrete pipe comprising a pipe section of concrete having formed therein a plurality of longitudinal reinforcing rods, said pipe having been aged for a period corresponding to between 7 and 28 days at 70° F. in a moist atmosphere prior to the application of any further reinforcement, and having as an outer reinforcement a helical steel wire tensioned at least to 50,000 pounds per square inch with the wall



thickness of the pipe and the pitch of the helix being so chosen that the average compression in the concrete is equal or less than one-third of the ultimate compressive strength of the concrete, the reinforcing wire around the pipe being elongated to such a degree that natural shrinkage of the wire due to plastic flow of concrete is minimized.

2,236,108
CONCRETE PIPE
Joseph Edwin Miller, Oak Park, and Paul L. Osweiler, La Grange, Ill.
Application April 6, 1940, Serial No. 328,194
6 Claims. (Cl. 138—84)

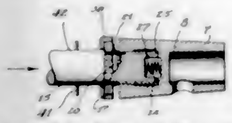


1. A reinforced concrete pipe comprising a cylindrical concrete pipe section of concrete aged prior to circumferential reinforcement to have an ultimate compressive strength of 6,000 pounds per square inch or more and having a plurality of tensioned reinforcing steel rods longitudinally thereof within the wall, said rods being spaced not more than about 10 inches from each other, and tensioned wire reinforcement circumferentially thereof at intervals of 2 inches or less, said wire being tensioned at least to 60,000 lbs. per square inch but within the elastic limit thereof, the spacing between adjacent wire turns and the wire size being such that throughout substantially all of the pipe section the average compression of the concrete is not more than 40% of the ultimate compressive strength, the tension, spacing and cross-section of the longitudinal rods being such that the average longitudinal compression of the concrete is of the order of 20% of the circumferential concrete compression.

2,236,109
VALVE AND STEM
Ervin H. Mueller, Grosse Pointe, Mich.
Application June 29, 1939, Serial No. 281,909
4 Claims. (Cl. 251—165)

1. In a valve structure, a valve body, a rotatable valve member, an operating stem, a locking member on the stem, cooperating locking means on the body, the locking member and cooperating means holding the stem against rotation when in engagement, and the locking member being arranged to be disengaged from the locking means by axial movement of the stem, a recess in the

valve member having serrated walls adjacent its open end and enlarged inwardly of the serrated walls, one end of the stem being serrated and slidably fitting the serrations of the recess, a spring in the recess functioning between the stem and the valve member, and an enlargement on the end of the stem in the recess functioning in the enlarged portion of the recess for holding the stem and valve in assembly against the action of the spring.



4. A sub-assembly for a valve comprising, a valve member having a recess, an operating stem having one end slidably and non-rotatably located in the recess, a spring in the recess acting between the valve member and stem, cooperating means on the stem and valve member for holding the stem and valve member assembled with each other, with the spring confined therebetween, a locking member non-rotatably secured to the stem independently of the valve member in a permanent manner, a locking washer slidably and rotatably mounted on the stem adjacent the locking member and adapted to be non-rotatably engaged with a valve body, and a projection of thrown-up metal on the stem and on the side of the locking washer opposite the locking member for holding the locking washer on the stem in a permanent manner.

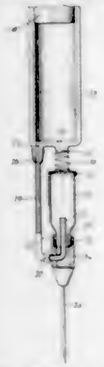
2,236,110

ATTACHMENT TO HYPODERMIC SYRINGE FOR INJECTING DRUGS FROM AMPOULES

Harold N. Percison, Ozone Park, and Sebastian Smigel, New York, N. Y.

Application December 30, 1938, Serial No. 248,494

2 Claims. (Cl. 128—215)



1. A hypodermic syringe comprising a barrel, a plunger within said barrel, a wall of said barrel being provided with an extending projection formed with a through opening, a tubular member attached to said projection and having a downwardly extending portion, a portion extending to one side of said downwardly extending portion, and an upwardly extending portion extending from said last mentioned portion, said upwardly extending portion being open at the top, an injector head on said tubular member disposed concentrically of said upwardly extending portion of said tubular member and being formed with a socket at its upper end adapted to receive the neck of an ampoule, the upwardly extending portion of said tubular member being adapted to project through the neck of the ampoule into said ampoule, and an injector needle on said head adapted to communicate with said ampoule.

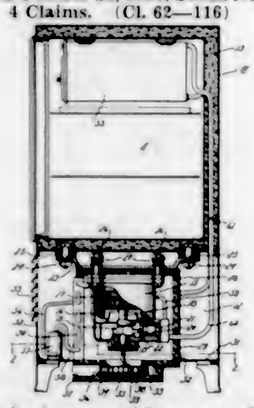
2,236,111

REFRIGERATING APPARATUS

Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application October 21, 1938, Serial No. 236,155

4 Claims. (Cl. 62—116)



1. A refrigerator comprising a sound insulated housing having an opening in a wall thereof, a condenser mounted in said opening, a motor-compressor unit received in said housing, a fan in said housing and having driving connection with said unit, and a partition in said housing for forming a fan chamber and an outlet flue for the heated air, said partition being provided with an opening for establishing communication between the housing containing the unit and the fan chamber so that air may be drawn by the fan through the condenser and into the housing and exhausted through the fan chamber to the atmosphere in cooling the parts.

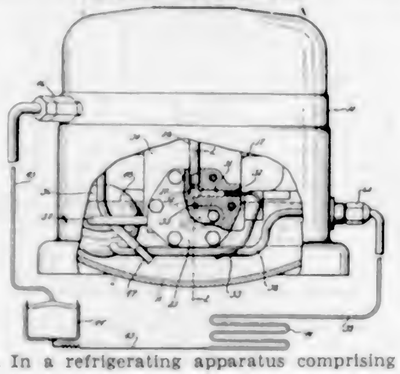
2,236,112

REFRIGERATING APPARATUS

Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application February 24, 1939, Serial No. 258,162

8 Claims. (Cl. 230—206)



1. In a refrigerating apparatus comprising a

compressor having a cylinder and a piston, said cylinder having an intake chamber for gaseous refrigerant, a separating chamber located adjacent the cylinder and communicating with said intake chamber, by a passage, means for delivering low pressure gaseous refrigerant containing lubricant to said separating chamber for separating the lubricant therefrom, a reservoir in said separating chamber for receiving the separated lubricant, a metering tube for conducting a small quantity of lubricant from said reservoir to said passage, said separated refrigerant being conducted through said passage to the intake chamber during the operation of the compressor and causing the lubricant to be drawn from the reservoir through the tube and into the passage therewith.

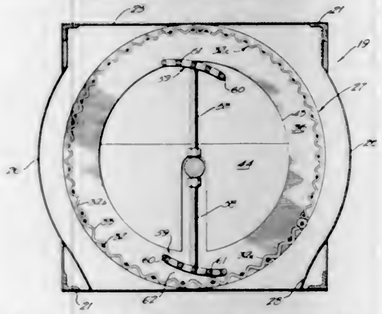
2,236,113

MEANS FOR PREPARING FOOD PRODUCTS

Martin Quamma, San Diego, Calif., assignor to Van Camp Sea Food Co., Inc., Terminal Island, Calif., a corporation of California

Application October 15, 1938, Serial No. 235,209

7 Claims. (Cl. 146—177)



1. A device of the character described comprising a sub-frame, tray supporting means thereupon, a frame carried thereabove, a shredding drum mounted upon said upper frame and having a wall of reticulated material, said material being formed of permanently bent sinuous strands of wire, which strands when in their woven state produce a uniformly undulated surface, a shaft extending longitudinally through said drum and being disposed eccentrically of the center of the drum, arms carried by the shaft, grid members carried by the arms, said grid members each comprising a plurality of laterally spaced bars extending longitudinally through the drum, and means for driving the shaft whereby the grid elements will rotate around the axis of the shaft and within the drum and will move toward and away from the drum wall as it travels therealong, whereby the grid members will contact the ridges of the undulated surface to cause a cutting action to occur between the drum and the grid.

2,236,114

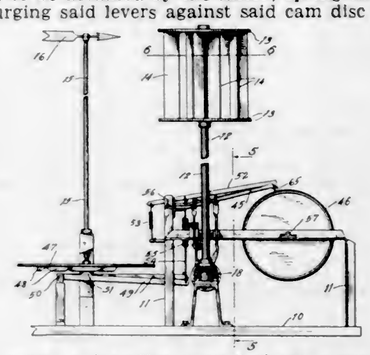
WIND RECORDING DEVICE

George Randl, Idaho Springs, Colo.

Application September 23, 1939, Serial No. 296,232

4 Claims. (Cl. 73—188)

3. A wind direction recorder comprising: a vertical vane shaft; a weather vane on said shaft for rotating the latter in accordance with changes in wind direction; a cam disc mounted on said vane shaft; a spiral series of cams on said cam disc, each positioned a different radial distance from the axis of said shaft and on a different radial line from the other cams, said cams corresponding in number to the number of different directions desired to be recorded; a series of cam levers hinged adjacent said disc, there being one cam lever overlying the path of each of said cams so as to be actuated by the latter; spring means for urging said levers against said cam disc and



said cams; a traveling record chart; recording levers over said chart, there being one recording lever for each cam lever; and means for transmitting the movements of said cam levers to said recording levers to cause the latter to record on said chart the intervals that each cam lever is in contact with its cam.

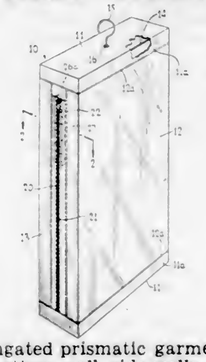
2,236,115

GARMENT BAG

Daniel B. Schwartzman, Jersey City, N. J.

Application March 15, 1939, Serial No. 261,945

5 Claims. (Cl. 206—7)



1. An elongated prismatic garment bag having a top wall, bottom wall, side walls, and front and rear walls, the front wall being formed with a vertical, longitudinal slit, slider actuated fasteners at the edges of the slit, adapted to be locked together by a slider, said front wall of said bag being provided with tubular members on the inside thereof, and adjacent the slider actuated fasteners, and an elongated spring flexed mediately the ends thereof and having arms extending into said tubular members.

2,236,116

CONSTRUCTION AND BUILDING OF HOUSES, GARAGES, SHIPS, AND THE LIKE

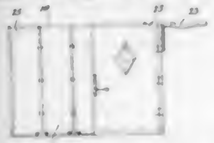
Thor Solberg, Brooklyn, N. Y.

Application July 6, 1940, Serial No. 344,213

3 Claims. (Cl. 189—2)

1. In a device of the class described, a house

or garage comprising a plurality of wall panels, the latter being formed with vertical angularly bent flanges, means for attaching said flanges together, the said wall panels having their lower



portions formed with an outward bend, and the said vertical flanges at their lower ends with a horizontal inward bend for the purpose of fastening the said panels to a support, substantially as shown and described.

2,236,117

BOOKBINDING

Albert A. Strauss, Pittsburgh, Pa.

Application July 18, 1940, Serial No. 346,223

4 Claims. (Cl. 281—36)



1. A cover for the binding of books of the character described, comprising a single sheet of material forming integral back and side cover portions, said back portion having reentrant folds integrally united to form rigid multi-ply lateral extensions in the plane of the back.

2,236,118

METHOD OF COATING MOLDS AND PRODUCT THEREOF

Charles W. Swartout, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

No Drawing. Application September 30, 1939, Serial No. 297,363

16 Claims. (Cl. 22—192)

1. A method of coating molds which comprises intimately mixing with a smoke producing gas a vapor of a compound of the group consisting of volatile aldehydes and ketones and applying a carbon deposit to the surface of the mold with a flame of said gas-vapor mixture.

2,236,119

MOLD COATING

James R. Craig and Charles W. Swartout, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio

No Drawing. Application September 30, 1939, Serial No. 297,364

11 Claims. (Cl. 22—189)

1. A method of coating molds which comprises applying to the mold surface an oily liquid decomposable by heat to form a gum-like adhesive residue, and subjecting said oily liquid to partial combustion with a carbon depositing flame.

2,236,120

LUBRICANT FOR INTERNAL COMBUSTION ENGINES

Norbert F. Toussaint, Philadelphia, Hannibal J. R. Gaspari, Blawnox, and Henry A. Ambrose, Penn Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application January 17, 1939, Serial No. 251,434

4 Claims. (Cl. 252—35)

1. An improved lubricant for use in internal combustion engines, comprising a major amount of a petroleum lubricating oil having incorporated therein a small amount of nickel naphthenate.

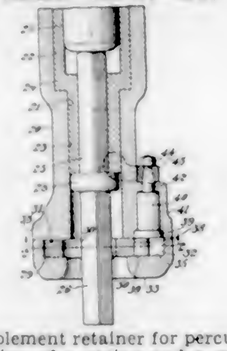
2,236,121

IMPLEMENT RETAINER

Grover G. Tuttle, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application September 28, 1938, Serial No. 232,057

4 Claims. (Cl. 279—19.7)



1. In an implement retainer for percussive tools, the combination of a casing and a working implement in the casing having a collar, a retainer lying entirely within the casing having an aperture to permit the passage of the collar therethrough, a manually rotatable shaft on the front head, means eccentrically mounted on the shaft movable upon rotation of the shaft for moving the retainer into and holding it in the path of the collar, and resilient means for moving the retainer into positions to bring the aperture into coaxial alignment with the collar.

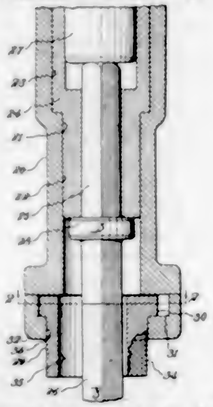
2,236,122

IMPLEMENT RETAINER

Grover G. Tuttle, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application September 30, 1938, Serial No. 232,608

3 Claims. (Cl. 279—19.7)



1. In an implement retainer for percussive tools, the combination of a front head and a working implement in the front head adapted to be reciprocated and having a collar, a cap on the front head having a bore to receive the working implement and said bore being arranged eccentrically with respect to the working implement, and a retainer in the bore loosely encircling the working implement and having a second bore arranged eccentrically therein, said retainer being rotatable in the bore to different positions to lie in the path of the collar and to bring the second bore into coaxial alignment with the collar.

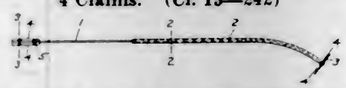
2,236,123

WARM AIR FURNACE CLEANER

John Von Pierce, Knoxville, Tenn.

Application December 6, 1938, Serial No. 244,230

4 Claims. (Cl. 15—242)



1. A cleaning device for longitudinally curbed tubes comprising a rigid tubular guide member, a resilient stem of greater length than said guide member and longitudinally slidable therein, one end of said stem having a normal curvature approximating the longitudinal curvature of the tube to be cleaned, the curved portion of said stem being adapted to assume the contour of said guide member when retracted therein and to resume and substantially maintain its normal curvature when projected from said guide member, a cleaning member fixed to the curved end of said stem and means for extending and retracting the stem in said guide member.

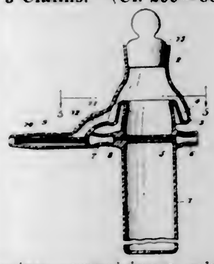
2,236,124

ATOMIZER

Walter A. Wells, Washington, D. C.

Application July 8, 1938, Serial No. 218,225

3 Claims. (Cl. 299—88)



3. An atomizer comprising a solution containing body having a reservoir carried thereby and above the normal level of the solution in the body, whereby solution will pass into the reservoir upon tilting the body, an air conducting tube traversing the body, a nozzle having an atomizing tube therein, a neck connecting the nozzle and body and having an air chamber therein affording communication between the air tube and atomizing tube, and means for conducting solution from the reservoir to the nozzle.

2,236,125

PROCESS OF PREPARING MIXED ESTER ANHYDRIDES

Peter J. Wiezevich, Elizabeth, N. J., now by judicial change of name Peter J. Gaylor, assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 14, 1937, Serial No. 136,833

10 Claims. (Cl. 260—341)

1. The process which comprises reacting a ketene with an hydroxy aliphatic carboxylic acid, whereby a mixed ester anhydride is obtained, the reaction being conducted in anhydrous liquid phase and at a temperature not higher than 100° C.

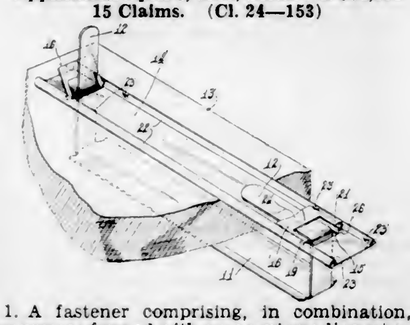
2,236,126

FASTENER

Elmer L. Zwickel, Chicago, Ill., assignor to Acco Products, Inc., Long Island City, N. Y., a corporation of New York

Application April 4, 1933, Serial No. 664,355

15 Claims. (Cl. 24—153)



1. A fastener comprising, in combination, a compressor formed with an opening adjacent each end, a base having spaced prongs adapted to extend one through each of said openings, a lip on each end of said compressor adjacent each opening, and yieldable means carried by said lips adapted to urge the portions of the prongs extending through said openings over against the compressor.

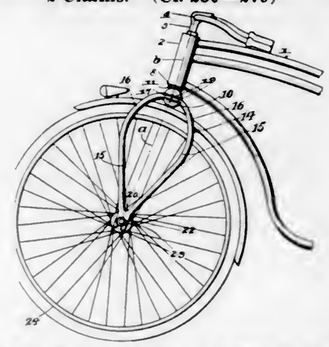
2,236,127

BICYCLE FORK

John R. Alexander, Paris, Tex.

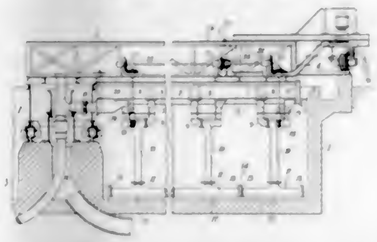
Application May 5, 1939, Serial No. 272,010

2 Claims. (Cl. 280—279)



1. In a bicycle fork having a stem, a body attached crosswise to one end of the stem, and a pair of legs consisting of inverted loops, being widely curved at one end to provide flatly arched components; said body having parallel cross-slots at the ends and having the arched components fitted therein, said slots being of less depth than said components thus to make the surfaces of the latter stand out from the adjacent edges of the body, and fillet means applied to the ends of said body and lapped onto said components, permanently securing said components in said cross slots and thus coacting with the outstanding components to act as guards.

2,236,128
APPARATUS FOR REMOVING SLUDGE FROM SEWAGE TANKS AND THE LIKE
Sydney Bennett Poole, Radcliffe, near Manchester, England
Application September 14, 1938, Serial No. 229,920
In Great Britain February 28, 1938
5 Claims. (Cl. 210—3)



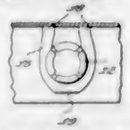
1. An apparatus for removing sludge from a sewage and the like tank, comprising in combination, means for producing a normal liquid level in the tank, a gantry above the tank, means for supporting the gantry above the tank, means for traversing the gantry over the tank, a sludge conduit supported by the gantry with the lower part of the conduit below and the upper part thereof above the normal level of liquid in the tank, an outlet pipe connected to the conduit, a plurality of sludge pipes connected to the conduit with their open tops situated below the said normal level and forming sludge weirs, and a plurality of elongated nozzles provided on the sludge pipes in alignment with each other for sweeping the bottom of the tank.

2,236,129
DISPENSING RAKE
Floyd J. Baker, Bethesda, Md., assignor of one-third to G. Mallet Prevost, Washington, D. C.
Application August 10, 1939, Serial No. 289,482
6 Claims. (Cl. 111—1)



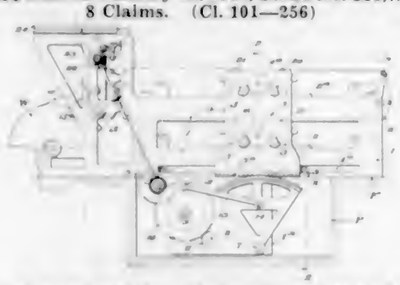
6. A dispensing rake comprising a magazine hopper having a series of discharge ports, valve means for said ports, a series of rake teeth associated with said valve means to normally maintain the latter in closed position, a handle, and means securing the latter to said hopper and teeth, whereby the application of normal raking pressure to said rake teeth will cause the opening of said valve means.

2,236,130
LOCKING KEY FOR OUTLET BOXES
Harry E. Betebenner, Boise, Idaho
Application September 15, 1939, Serial No. 295,149
1 Claim. (Cl. 285—6.5)



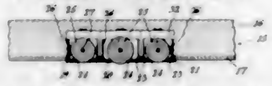
A resilient locking key for securing a conduit in an outlet box comprising a one-piece U-shaped body of resilient sheet metal, said body being outwardly bowed longitudinally thereof, and arms of the U-shaped body having portions along their inner edges bent outwardly to provide outstanding lips having longitudinally curved outer edges for gripping engagement in grooves in opposite side portions of the terminal of a conduit.

2,236,131
CROSSHEAD DRIVE
James L. Blackley, Battle Creek, Mich., assignor to The Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application January 19, 1940, Serial No. 314,721
8 Claims. (Cl. 101—256)



1. A crosshead drive for printing presses having a frame supporting a type bed, and having opposed interconnected crossheads reciprocably mounted at the sides of said frame and carrying an impression cylinder; comprising frame extensions depending below the floor level, a rock shaft journaled in said extensions opposite the center of the bed; members on said rock shaft disposed below the respective crossheads; intermeshing teeth on the crossheads and on said members; a crank shaft journaled in said extensions below the floor level, means for rotating said crank shaft; and pitmen connecting said crank shaft and said members respectively.

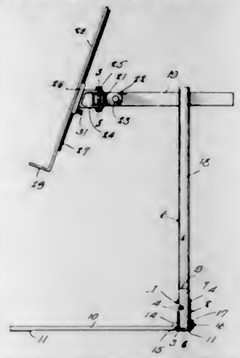
2,236,132
SYSTEM OF MANUALLY OPERATED INDICATORS
Chester A. Braidwood, Perth Amboy, N. J.
Application October 10, 1939, Serial No. 298,803
9 Claims. (Cl. 116—133)



1. In an indicator system, a number of multi-colored balls, face-plates formed with openings therein and adapted to visibly receive said balls, said face-plates being adapted for attachment to a panel, ferrule-formed members fixedly secured upon the rear sides of said face-plates,

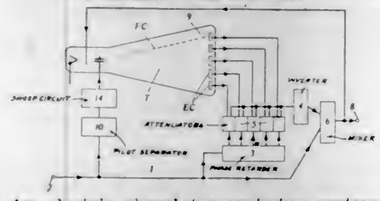
axial pins arranged through the ferrule-formed members, said balls being turnably mounted upon said pins in said ferrule-formed members, the balls each being formed with a flattened portion upon each of two opposite sides thereof, springs mounted in the ferrule-formed members and adapted to engage said flattened sides of the balls, whereby to secure the latter in an adjusted position.

2,236,133
COPYHOLDER
Arthur G. Croninger and Olaf D. Baker, Miami, Okla.; said Baker assignor to Frank G. Dickinson, Champaign, Ill.
Application January 14, 1939, Serial No. 251,022
3 Claims. (Cl. 120—28)



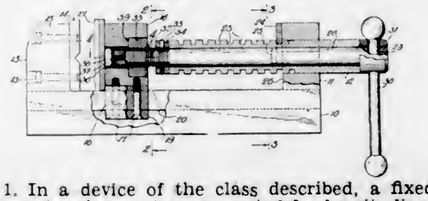
1. A copyholder including a T-shaped base comprising a head and an arm, the arm being narrow enough and thin enough so that it can be inserted between the legs of a typewriter, and between the body of a typewriter and a supporting desk, whilst the typewriter remains in situ on the desk, a standard attached to the head, at the place of juncture between the head and the arm, the standard comprising separable upper and lower parts, a copy table, and means for mounting the table on the upper part of the standard.

2,236,134
SYSTEM OF TRANSMISSION OF ELECTRIC SIGNALS
Paul François Marie Gloess, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application January 7, 1939, Serial No. 249,677
In France January 25, 1938
14 Claims. (Cl. 178—44)



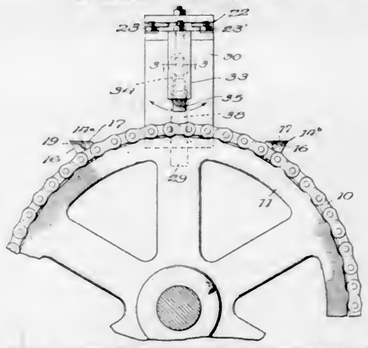
1. An electric signal transmission system including arrangements for reducing or substantially the transmission medium said arrangements comprising a direct path and a bye-path inserted in the transmission line and means in the bye-path for retarding, inverting and attenuating the distorted signals, and further means for separating the principal signals from the parasitic signals and a device for analysing the parasitic signals as regards intensity and for controlling the attenuating means in accordance with the said intensity.

2,236,135
VISE
Joseph S. Good, New Canaan, Conn., assignor, by mesne assignments, to Newman M. Marsilius, Bridgeport, Conn.
Application May 27, 1938, Serial No. 210,294
10 Claims. (Cl. 81—33)



1. In a device of the class described, a fixed jaw, a bearing, a sleeve mounted for longitudinal sliding movement in said bearing, means for locking said sleeve to said bearing in any one of a plurality of positions, a shaft in said sleeve and means whereby it is locked against longitudinal movement relatively thereto, a portion of said shaft protruding beyond the end of said sleeve, a movable jaw, and screw threaded means of connection between said movable jaw and said protruding shaft whereby rotation of said shaft portion adjusts said movable jaw.

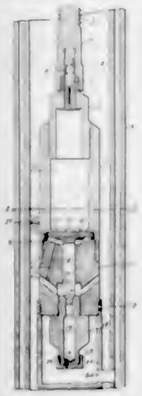
2,236,136
AUTOMATIC ELEVATOR CONTROL
Vincent J. Gorman, Brooklyn, N. Y., assignor to The International Elevator Company, Brooklyn, N. Y., a partnership composed of George T. Deering and Vincent J. Gorman
Application September 6, 1938, Serial No. 228,709
3 Claims. (Cl. 200—52)



1. Mechanism for controlling the travel of elevators comprising an electric switch, a rockable member for opening said switch, a plunger slidable in said member and projecting therefrom, and cam means movable with the elevator, said means being adapted to engage the plunger when moving in one direction to rock said member and open the switch but when moved in the other direction to lift said plunger without rocking said member.

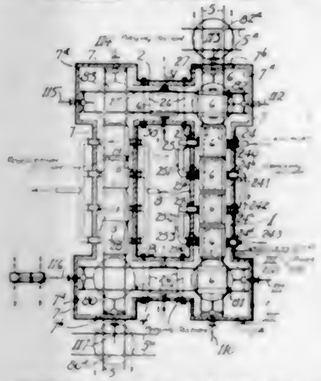
2,236,137
FLOW VALVE
William F. Grisham, Royalty, Tex.
Application February 25, 1938, Serial No. 192,660
1 Claim. (Cl. 103—232)
A flow producing device for use in a well tub-

ing comprising a body having a chamber in its upper part, a small chamber in its intermediate part and a passage in its lower part connected with a source of fluid under pressure and opening out at its upper end into the small chamber, said body also having upwardly and outwardly extending passages leading from the small chamber through the side walls of the body, means for introducing fluid into the upper chamber to maintain a fixed pressure therein, a diaphragm carried by the intermediate part of the body and



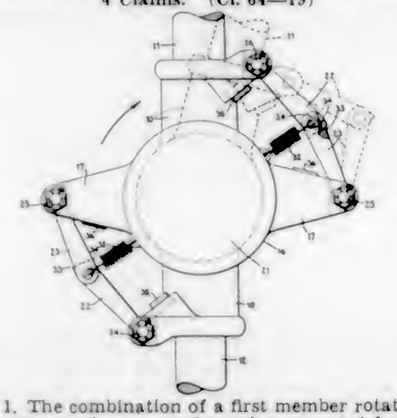
acted upon by the pressure in the large chamber and said body having a passage leading from the exterior thereof to a point under the diaphragm, a valve having its upper end connected with the diaphragm and said valve passing through an intermediate part of the body and through the small chamber and normally holding closed the upper end of the passage connected with the source of fluid under pressure, said passage having a restricted upper portion, the top of which forms a valve seat for the valve.

2,236,138
CATALYTIC APPARATUS
Frank A. Howard, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 23, 1938, Serial No. 247,316
3 Claims. (Cl. 196—52)



1. A catalytic oil cracking apparatus provided with a plurality of movable enclosed chambers disposed in a tunnel-like circuit forming a cracking section, a purging section, a catalyst regeneration section and a second purging section, means for moving the said chambers through the said sections, detachable conduits for supplying reactable vapors directly to the chambers in the cracking section, separate detachable conduits for withdrawing reaction vapors directly therefrom, detachable conduits for supplying a regeneration gas directly to the chambers in the regeneration section and separate detachable conduit means for withdrawing combustion vapors directly therefrom.

2,236,139
POWER TRANSMISSION DEVICE
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Paul Kollsman, New York, N. Y.
Application December 17, 1938, Serial No. 246,389
4 Claims. (Cl. 64—19)



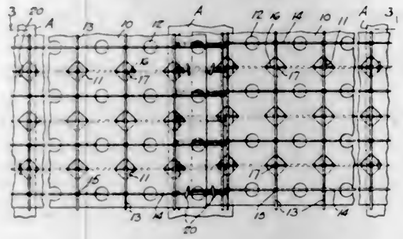
1. The combination of a first member rotatable about an axis; a second member mounted for rotation about said axis and for angular displacement relatively to said first member; and a pair of jointed links forming a toggle, said links being pivotally connected with their free ends to said first and second member, respectively, at pivotal axes spaced from and parallel with said first axis; and damping means responsive to the axial thrust exerted by one of said members for exerting a damping torque between said members conditioned upon the magnitude of said axial thrust.

2,236,140
CRIMPING TOOL FOR DYNAMITE CARTRIDGES
Charles S. Kaleel, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 5, 1939, Serial No. 249,403
2 Claims. (Cl. 86—39)



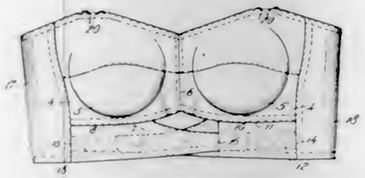
1. In a device for spirally interlocking the wall of a cylindrical paper cartridge adapted to contain an explosive with the flange of a paper cup end-insert, the combination of a revoluble crimping tool which has an annular concavity shaped to provide a downwardly and outwardly extending hook-like portion for receiving and rolling the said wall inwardly and over the flange of the said end-insert, whereby said wall and flange are rolled into a spiral and a plurality of turning dies each having a concavity conforming in shape to the annular concavity of said crimping tool positioned circumferentially about said annular concavity.

2,236,141
LATHING
Carl A. Karelius, Pasadena, Calif.
Application February 14, 1939, Serial No. 256,259
5 Claims. (Cl. 72—116)



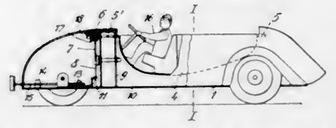
1. Lathing comprising a backing sheet; longitudinal and transverse front wires on one side of said sheet, secured together at their points of intersection to form a rectangular mesh; means defining plaster key forming openings in the sheet intermediate said points of intersection of the front wires; and rear wires on the opposite side of the backing sheet, parallel to one set of the aforestated front wires and spanning said openings so as to be in intersecting relation to the other set of the aforestated front wires to which latter the rear wires are secured at their points of intersection, the backing sheet having other plaster key forming openings intermediate said other set of front wires, and spanned by the rear wires, so as to provide on the rear side of the backing sheet, for a sufficient number of plaster keys at all of said openings, to co-act with the rear wires in locking a coat of plaster on the rear of the backing sheet in the forming of a wire mesh reinforced solid wall having two outside faces.

2,236,142
BRASSIÈRE
Donald H. Kaupp, New York, N. Y.
Application February 25, 1939, Serial No. 258,351
4 Claims. (Cl. 2—42)



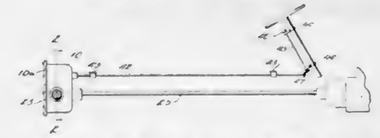
1. In a garment construction of the brassière type comprising a body member provided with bust pockets and having attached to the sides thereof a band adapted to encircle the body of a wearer, the improvement which comprises a pair of extensible members each of which is attached at one end thereof to separate transverse portions of the body member below each of said pockets along a line substantially circumferentially of the body with the other end of each extensible member being attached to a portion of the garment adjacent the pocket other than the pocket below which the first-mentioned end of the extensible member is attached.

2,236,143
TOY VEHICLE
Willy Kellermann, Nuremberg, Germany
Application February 20, 1939, Serial No. 257,509
In Germany October 3, 1938
13 Claims. (Cl. 46—222)



1. A toy vehicle comprising a vehicle casing, a hood having the form of a hollow shell mounted swingably about an axis within its central longitudinal plane to permit swinging motion of said hood from normal position above the vehicle casing into a position within the latter, said hood in said latter position representing a bordered depressed interior space of said casing, and actuating means associated with said hood, said actuating means adapted to impart swinging motion to said hood into the one or other of said positions.

2,236,144
REAR END GEAR SHIFT
Frederick C. Knauer, Berwyn, Md., and Charles P. Diehl, Washington, D. C.
Application May 27, 1940, Serial No. 337,504
6 Claims. (Cl. 74—327)

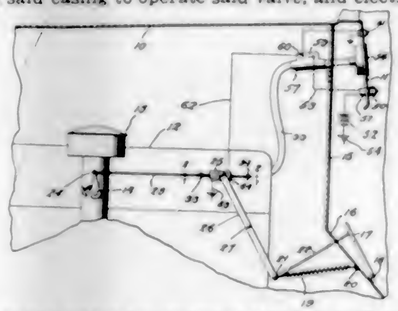


1. In a rear axle gear shift, a rear axle housing, a differential gearing therein adopted to be motor driven and including a pair of alined laterally extending shafts, a pair of axles journalled in the ends of the housing and alined with the first shafts, a pair of jack shafts journalled in the housing parallel to the first shafts, gearing permanently connecting the jack shafts and axles including a gear fixed on each axle, change speed gearing on each jack shaft and a corresponding first mentioned shaft and including gears splined on the latter, a pair of confronting rack bars, means for actuating the rack bars in opposite directions simultaneously and including a gear therebetween and gear actuating means, and shipper forks carried by the rack bars and engaging the splined gears to move said gears along their shafts.

2,236,145
MAGNETIC THROTTLE CONTROL
Paul H. Kolb, Williamsport, Pa.
Application August 28, 1939, Serial No. 292,345
5 Claims. (Cl. 137—139)

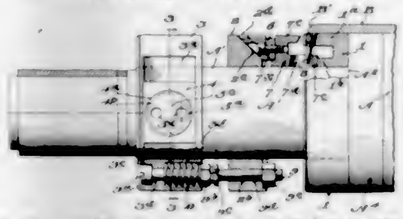
1. A magnetic throttle control comprising a throttle valve, a throttle rod for operating said valve, a casing encompassing said throttle rod and relatively movable with respect thereto, a groove in said rod, a ball in said casing arranged to normally rest in said groove whereby to provide a direct interconnection between the cas-

ing and rod, manually actuable means for moving said casing to operate said valve, and electro-



magnetic means for rendering said ball ineffective to lock said casing and rod together.

2,236,146
PLATE CLAMP
Earl P. Lacure and Albert J. Carpenter, Jr., Battle Creek, Mich., assignors to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application June 19, 1940, Serial No. 341,354
19 Claims. (Cl. 101—378)



1. In combination, a plate cylinder having a cylindrical plate supporting surface and having an axially disposed reduced portion; a member within the reduced portion forming a continuation of the supporting surface and adapted to underlie one end of a printing plate disposed thereon, said member having an annular recess in its outer end; a collar of diameter smaller than the supporting surface slidably mounted on said reduced portion, and having portions of its outer face inclined outwardly away from the said member; substantially U-shaped plate clips disposed between the collar and member and normally below the plate supporting surface and having portions engaging said inclined portions of the collar, said clips normally seating upon the reduced portion with their legs directed towards the member, and means for shifting the collar towards the member whereby the clips will be moved outwardly and axially to permit the legs of the clips to telescope the said member with one leg of each clip overlying the outer face of the member to engage the end of the printing plate.

2,236,147
PROCESS FOR PLUGGING FORMATIONS
William Bruce Lerch, Clyde H. Mathis, and Eugene J. Gatchell, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application May 19, 1938, Serial No. 208,933
1 Claim. (Cl. 166—21)

A method of plugging formations in wells which comprises the step of introducing into the formation to be plugged a liquid gel forming material comprising a mixture of 1 part sodium silicate diluted with 1 part water associated with an equal volume of a mixture of 3½ parts hydrochloric acid and 19 parts of a sodium bisulfate solution and allowing the mixture to solidify when in place to form a solid mass.

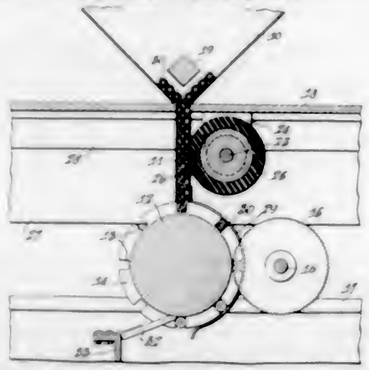
2,236,148
WELDING ROD
Arthur R. Lytle, Niagara Falls, N. Y., assignor to The Oxweld Railroad Service Company, a corporation of Delaware
No Drawing. Application October 26, 1939, Serial No. 301,373
3 Claims. (Cl. 219—8)

1. Welding rod comprising more than 3% but less than 5% chromium; 0.3% to 0.7% carbon; the remainder iron and minor proportions of manganese and silicon, the manganese and silicon being in a proportion sufficient to cause the formation of a fluid slag when the rod is used for welding.

2,236,149
WELDING ROD
Arthur R. Lytle, Niagara Falls, N. Y., assignor to The Oxweld Railroad Service Company, a corporation of Delaware
No Drawing. Application November 2, 1939, Serial No. 302,539
4 Claims. (Cl. 219—8)

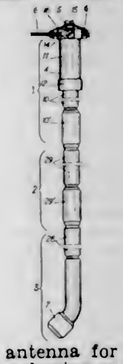
1. In a hardenable chromium steel welding rod, cotnaining less than 3% chromium, for use in depositing a layer of armoring metal upon a heavy, cold metal base by oxy-fuel gas fusion-deposition welding, between 0.1% and 0.35% tungsten which imparts to said steel the characteristic of hardening to substantially the same hardness despite variations in the rate at which it cools from welding temperatures.

2,236,150
TUBE CUTTING MACHINE
Sidney T. Maltby, Washington, D. C., assignor to Stone Paper Tube Company, Washington, D. C., a corporation of Delaware
Application October 25, 1940, Serial No. 362,877
5 Claims. (Cl. 164—61)



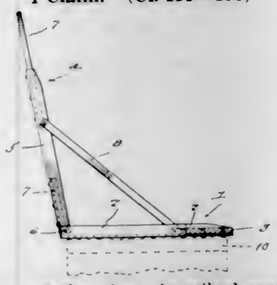
5. A tube cutting machine comprising a hopper for receiving straight lengths of tubing, an agitator in said hopper for arranging the lengths of tube in parallelism, driven roller means projecting into the throat of said hopper for engaging said tubes and feeding them successively to the hopper discharge outlet, a cylindrical carrier formed with longitudinal grooves into which said tubes are fed, said carrier further being formed with circumferential grooves at spaced intervals in its length, a series of rotary cutters mounted to project into such circumferential grooves, and means for rotating said carrier to present the tubes successively to said cutters, thereby to cut each of them into shorter lengths.

2,236,151
RADIO ANTENNA
Manlio Marzetti, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy
Application September 27, 1940, Serial No. 358,725
In Italy September 30, 1939
14 Claims. (Cl. 250—33)



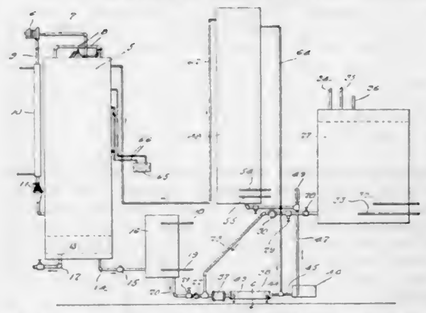
1. A sectionable antenna for radio sets comprising a top section having radio-wave collecting means and aerial tuning means, a bottom section having manipulating means for said tuning means and intermediate sections releasably interconnecting said top and bottom sections, each of said sections including a mast member and a coextensive transmission member, interfitting joint means on said mast members of said sections and interfitting coupling means on said transmission members of said sections, said joint and coupling means of said antenna sections being adapted to interengage each other respectively on said antenna sections being assembled.

2,236,152
SEAT
John W. McKissick, Fort Lupton, Colo.
Application February 21, 1940, Serial No. 320,178
1 Claim. (Cl. 155—153)



A device of the class described comprising a seat including metallic side bars of angular cross section, a slat mounted between said side bars, a back including metallic side posts of angular cross section having one end portion pivotally connected to the rear end portions of the bars, slats extending between the posts, foldable braces pivotally connected to the bars and the posts for limiting the opening movement of the back on the seat, and spacers mounted on the pivotal connections between the posts and the bars for spacing said posts and bars for the reception of the foldable braces therebetween when the back is in folded position on the seat.

2,236,153
VINEGAR GENERATOR
Charles H. Owens, Edgewater, N. J.
Application June 30, 1938, Serial No. 216,823
3 Claims. (Cl. 99—245)



3. A vinegar generating apparatus comprising a generator tank adapted to receive the mixture at its upper portion and collect the finished product in its lower portion, a plurality of raw material tanks, drain pipes for the raw material tanks connected to each other for mixing predetermined proportions of the mixture as the same is drained from the respective tanks, means for regulating the temperature of the contents of the tanks before mixing thereof, means for regulating the temperature of the mixture, a purifying tank, a pump for forcing the mixture upwardly through the purifying tank, means for regulating the temperature of the mixture as it enters the purifier, a feed pipe leading from the rectifier to the generator and arranged to form a gas trap in the feed pipe and a pressure release pipe connecting the upper portion of the purifier with the intake end of the pump and providing a recirculation system between the pump and the purifying tank for excess liquid fed to the purifying tank.

2,236,154
PRESS COMBINATION HAVING MEANS FOR AVOIDING JAMMING
Isaac Patrick, Brooklyn, and William Klocke, Woodhaven, N. Y.; said Patrick assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application August 6, 1937, Serial No. 157,666
11 Claims. (Cl. 78—39)

1. A press comprising a frame, tool-carrying parts, one a reciprocatory slide, mechanical means for reciprocating said slide, and means for preventing the jamming or breaking of the press when the resistance encountered by the tool-carrying parts approximates the rated working force of the press, said means comprising a hydraulic element arranged to sustain the working force

applied by said reciprocating means, means for normally maintaining said hydraulic element under a minimum stress approximating the rated working force of the press so that the press normally operates with the rigidity of its frame, including mechanical means for connecting and holding the parts of said hydraulic element so that they cannot be moved apart by hydraulic



force therein, and means opening said hydraulic system to vent at reduced pressure liquid from said hydraulic element when the resistance encountered by the tool-carrying parts and transmitted to said hydraulic element approximates the rated working force of the press and the force under which said hydraulic element is stressed.

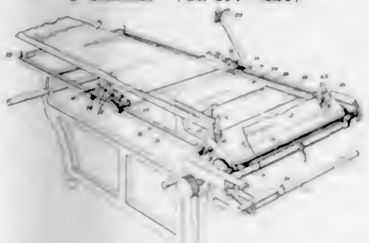
2,236,155

CARBON PACK FOR MANIFOLDING TYPEWRITERS

Laurence A. Petit, Chicago, Ill.

Application May 15, 1939, Serial No. 273,721

9 Claims. (Cl. 197—126)



2. In combination with a manifold typewriter or the like adapted to employ continuous fanfold forms and having means extending between said forms from opposite sides for holding strips of carbon paper between and independently of said forms, transversely folded strips of carbon paper secured to said means and lying entirely between said forms, each of said strips including a supporting sheet and said typewriter including a part extending transversely of said form on which said supporting sheet is mounted, so that each strip of carbon paper may be moved longitudinally and independently of said forms.

2,236,156

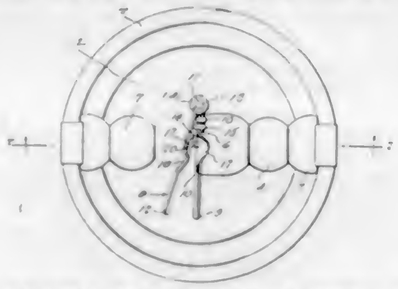
ASH TRAY

John Raisler, Beach, N. Dak.

Application July 18, 1939, Serial No. 285,141

1 Claim. (Cl. 131—237)

A device of the class described comprising a stationary jaw, means for mounting said stationary jaw on a support, said stationary jaw terminating in a tube at one end constituting a hinge eye, said eye being open from end to end, and a pivoted jaw mounted for swinging movement on



the stationary jaw and cooperable therewith for extinguishing the lighted end portion of a cigarette inserted therebetween, said pivoted jaw being operable in the opening in the hinge eye and including a pintle on one end journaled in said hinge eye.

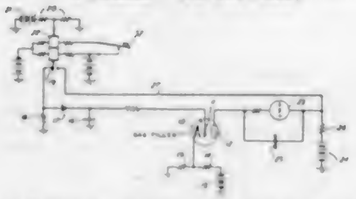
2,236,157

CONTACT CHATTER MEASURING DEVICE

Wilton T. Rea, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 30, 1939, Serial No. 282,023

4 Claims. (Cl. 175—183)



1. A device for measuring the duration of contact chatter upon the operation of relay contacts which comprises a circuit connected to the contact to be measured including a condenser, a charging path for said condenser through said contacts, a circuit for discharging said condenser independent of said contacts and a rectifier element connected in at least one of said circuits to retard the charging of said condenser without materially retarding the discharging of said condenser and a potentially operated device controlled by the potential on said condenser.

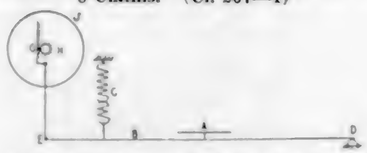
2,236,158

SPRING

John W. Rockefeller, Jr., Short Hills, N. J.

Application April 26, 1940, Serial No. 331,726

8 Claims. (Cl. 267—1)



1. A force measuring unit consisting of two spring parts each part made of a different alloy of flattened wire coiled on edge.

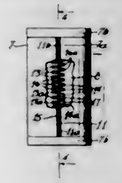
2,236,159

ELECTRIC DRY SHAVER

August Romao, San Francisco, Calif.

Application January 13, 1939, Serial No. 250,716

6 Claims. (Cl. 30—43)



2. In an electric dry shaver, a guard adapted to contact with the skin and having a longitudinally extending slot for receiving the hair, said slot having its two sides constituting cutting edges, a cutter having two sets of staggered cutting edges arranged parallel with the guard cutting edges, each set constituting a continuous cutting edge coextensive with the slot, and means for reciprocating the cutter for causing one of its cutting edges to cooperate with one edge of the slot to cut hair along the entire length of the slot, when the cutter is moved in one direction and to cause its other cutting edge to cooperate with the other slot edge to cut hair along the entire length of the slot, when the cutter is moved in the reverse direction.

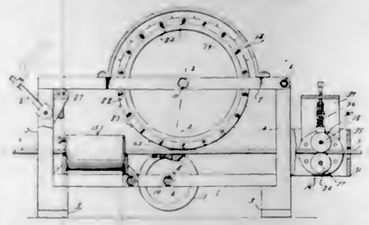
2,236,160

TUBE PUNCHING MACHINE

Leo V. Seaman, Phoenix, Ariz.

Application September 5, 1939, Serial No. 293,352

4 Claims. (Cl. 164—99)



1. A tube punching machine, including in combination a base frame member including a laterally supported guide roller having an annular groove adapted to receive and maintain in and definitely aline in a diametrical position tubing to be punched as rolled therethrough, a punching wheel, having a plurality of peripherally alined punch pins radially extending from its rim supported on a frame adjusted relative to said base frame so that the peripheral relation of said wheel to said roller may be adjusted, said wheel and roller being positioned to turn in the same plane with said punch pins alined with the bottom of the groove in said roller, means for guiding tubing to be punched into the groove in said roller, and mechanism for forcing said tubing between said wheel and guide roller so that said punch pins successively punch said tubing as it rolls between them, the axis of said roller being positioned slightly in advance of that of said wheel toward the direction of movement of said tubing so that said punch pins will successively be alined with the center of the axes of said punch wheel and guide roller at the position of maximum depth of punch.

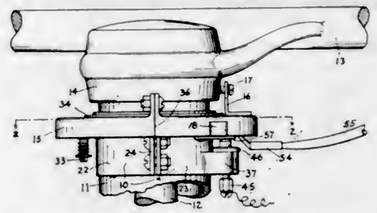
2,236,161

AUTOMATIC SIGNAL CONTROLLER

Harve R. Stuart, Springfield, Ohio, assignor of one-half to Louis Ilmer, Cortland, N. Y.

Application March 18, 1939, Serial No. 262,599

11 Claims. (Cl. 200—59)



1. In an electrical direction indicator signal of the fully automatic type for an automotive vehicle including a steering wheel, the combination of controller means equipped with an oscillatory switch carrier part including a make and break contact component having a neutral dwell position and which controller means are provided with actuated clutch means and control means therefor operatively interposed between the steering wheel and said carrier part, the controlled clutch means being so organized and arranged that after an initiated wheel turn reaches a predetermined leeway station said clutch will automatically become engaged to positively shift the carrier part in unison with the steering wheel from said dwell position into an active switch position and which clutch automatically releases the steering wheel subsequent to being rotated onward beyond such leeway station, said clutch upon a reversal of wheel rotation further serving to pick up such released carrier part and automatically reinstate the same into said dwell position after the returning wheel closely approaches said leeway station and in which dwell position the control means again releases the clutch to temporarily cease shifting the carrier part in unison with a continued reversed rotation of the steering wheel.

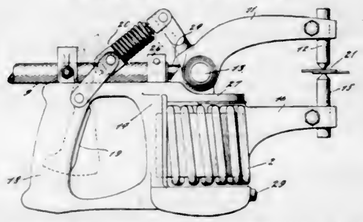
2,236,162

HAND-WELDING TOOL

Edmund J. von Henke, Chicago, Ill., assignor to American Electric Fusion Corporation, Chicago, Ill., a corporation of Illinois

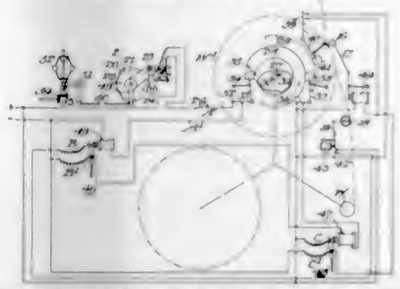
Application May 19, 1938, Serial No. 208,903

6 Claims. (Cl. 219—4)



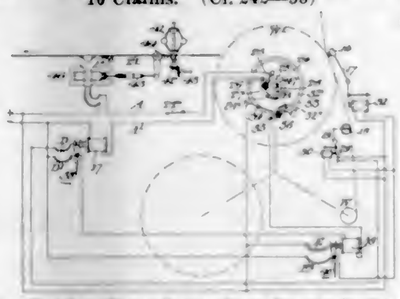
4. An electric welding tool comprising a frame, an electrode pivotally mounted on said frame, a core and a coil surrounding it and supported in fixed position on said frame but insulated therefrom, one of the turns of said coil having structural strength, a stationary electrode carried by said turn, means to move said pivoted electrode towards and away from the stationary electrode, and means to supply electric current to said electrodes.

2,236,163
WEB SUPPLY MECHANISM FOR PRINTING PRESSES
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application February 21, 1939, Serial No. 257,583
20 Claims. (Cl. 242—58)



1. Sheet cutters for a traveling web, means for joining web replenishing and expiring rolls on the run, means for severing the expiring web beyond the joint, leaving a free tail end; and synchronizing means for preventing the cutters from severing the said free tail end.

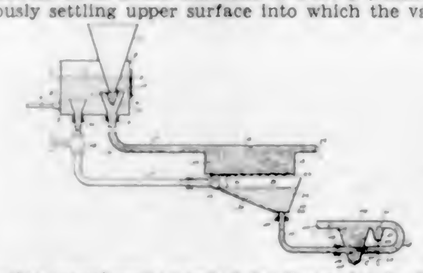
2,236,164
WEB SUPPLY MECHANISM FOR PRINTING PRESSES
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application February 21, 1939, Serial No. 257,584
10 Claims. (Cl. 242—58)



1. Sheet cutters for a traveling web, means for joining web replenishing and expiring rolls on the run, means for severing the expiring web beyond the joint, leaving a free tail end; and traveling web controlled synchronizing means for preventing the cutters from severing the said free tail end.

2,236,165
METHOD AND APPARATUS FOR SEPARATING MINERALS
Lee S. Buskirk and Paul R. Reid, Portland, Oreg.
Application June 19, 1939, Serial No. 279,928
3 Claims. (Cl. 209—18)

1. An apparatus of the class described, in combination, a tank containing water therein at a predetermined level, a launder communicating with the tank and continuously drawing off water therefrom, means associated with the tank and with the launder for delivering, at a predetermined rate, an aggregate containing valuable metallic constituents into the launder, said aggregate being carried in suspension by the water in the launder, a settling basin communicating with the launder, said settling basin comprising two walls which converge toward each other to form a restricted passage, a pocket formed beyond said restricted passage, a plurality of openings formed through the base of said pocket, and independently operated means associated with each of said openings for covering or uncovering the same when desired, said settling basin adapted to receive valuable metallic constituents contained in the aggregate which are drawn off therefrom at a rate sufficient to form a continuously settling upper surface into which the valuable constituents carried by the water in the launder may settle, a tank disposed below the openings into which the drawn off valuable metallic constituents flow, a conduit communicating with the first-mentioned tank adapted to continuously deliver water to the second-mentioned tank, and means associated with the second-mentioned tank for permitting the settling therein of such metals as have the highest specific gravity, said means adapted for permitting the drawing off therefrom, at a predetermined rate, sufficient metals to provide a continuous lowering of the upper surface of the metals contained therein to permit the settling thereupon of metals having the same specific gravity.



2,236,166
ALDONYL ANESTHETIC COMPOUNDS AND THEIR SALTS
David Curtis, New York, N. Y.
No Drawing. Application February16,1937 Serial No. 125,980
14 Claims. (Cl. 260—471)

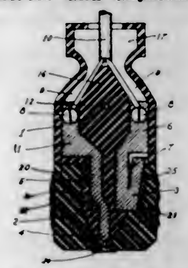
2. An aldonyl compound of an anesthetic ester of an amino aromatic acid of the single benzene nucleus series from the group of benzoic and cinnamic acid having the general structural formula of



wherein R is an ester of an amino aromatic acid of the single benzene nucleus series from the group of benzoic and cinnamic acid, R' is a member from the group consisting of hydrogen and a hydrogen substituting radicle, and R'' is a lactone grouping from the group consisting of gluconic acid lactone, galactonic acid lactone, mannonic acid lactone, xylonic acid lactone and a-glucoheptonic acid lactone.

2,236,167
ELECTRICAL CONNECTOR
Andrew David, Washington, D. C., assignor to E. W. Fritz, Washington, D. C.
Application November 19, 1938, Serial No. 241,425
1 Claim. (Cl. 173—343)

An electrical connector comprising a base member of insulating material, a bore formed vertically therein and terminating short of the bottom thereof, a contact extending through the bottom of said base member into said bore, a vertical groove extending longitudinally of said bore and in a continuous straight line from the opening thereof and having a portion thereof tapering slightly toward the interior of said bore, a contact member in said groove extending longitudinally thereof and adjacent said tapered

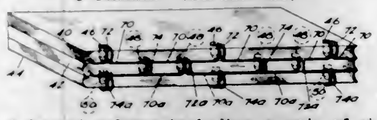


portion, an elongated plug member of insulating material conforming in shape to said bore and bearing a central contact member to engage said bottom contact, and a side contact member projecting from said elongated member to fit the groove in said bore and being tapered to engage said contact therein and cooperating with said groove to guide said plug member into said base member, and cooperating with the tapered portion of said groove and said contact therein to be wedged into engagement therewith.

2,236,168
LUBRICANT
Melvin A. Dietrich, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 27, 1940, Serial No. 321,043
19 Claims. (Cl. 252—47)

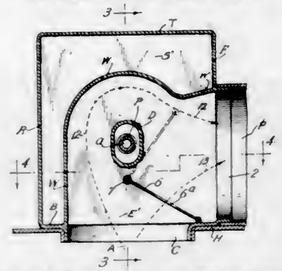
1. A lubricant comprising a major proportion of a viscous petroleum oil and a small proportion of an oil-soluble organic sulfonamide, devoid of free sulfuric acid and free sulfonic acid groups.

2,236,169
FASTENING DEVICE
David M. Dunwoodie, Sr., Dayton, Ohio
Application April 29, 1939, Serial No. 270,799
3 Claims. (Cl. 281—25)



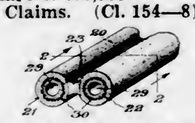
1. A bound volume including a pair of stacks of sheets, each stack of sheets being provided with marginal apertures, and binding means including a continuous length wire which includes aligned link portions and a plurality of reversely bifurcated projections having the bifurcated ends integrally connected to the link portions, the projections being curved in the same angular direction so as to form two series of loops offset with respect to each other, so that the longitudinal axis passing through the centers of one series of loops is offset from and parallel to the longitudinal axis passing through the centers of the other series of loops, the loops of one series passing through the apertures in one stack and the loops of the other series passing through the apertures in the adjacent stack, so as to hold the two stacks together in a bound volume, the loops of both series projecting into apertures of the respective stacks from the same side of the stacks.

2,236,170
FLUE-HEAT-UTILIZING WATER HEATER
Ralph H. Fjellman, Niles Center, Ill.
Application December 7, 1939, Serial No. 307,944
12 Claims. (Cl. 122—20)



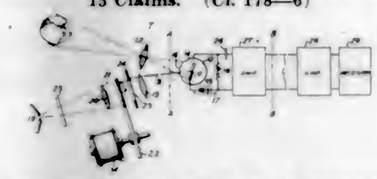
1. A flue-gas-heat utilizing water heater, comprising a casing having a gas inlet in its bottom and a gas-outlet in its forward end; an upright hood-shaped member housed by the casing and having the lower and the forward edges of the hood sides sealed respectively to the casing bottom and the forward casing end, the said member conjointly with a forward portion of the said bottom forming an elbow connecting the said inlet and outlet; the said member being freely spaced from the top, rear and side walls of the casing to afford a hood-shaped water-containing chamber therebetween; and a horizontal duct spanning the sides of the hood-shaped member and opening at its ends through the said sides to afford a water passage connecting the portions of the water chamber which are respectively at opposite sides of the hood-shaped member, the duct being freely spaced from the top and back of that member, the forward end of the casing and the casing bottom.

2,236,171
METHOD OF MAKING RUBBER HOSE
Cornelius D. Garretson, Wilmington, Del., assignor to Electric Hose and Rubber Company, Wilmington, Del., a corporation of Delaware
Original application January 14, 1936, Serial No. 59,137. Divided and this application October 25, 1938, Serial No. 236,955
6 Claims. (Cl. 154—8)



1. The method of making an integral multiple channel hose which comprises forming a plurality of rubber hose members, placing a two-part mold around a predetermined length of said preformed members with adjacent portions of said preformed members in contact, wrapping the mold sections with cloth, vulcanizing the portion of the assembled members held by the mold, removing said mold, and repeating the steps of placing a two-part mold around the assembled members, wrapping, vulcanizing, and removing the mold with respect to successive lengths of the resulting unitary member.

2,236,172
ELECTRO-OPTICAL SYSTEM
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1936, Serial No. 67,061
15 Claims. (Cl. 178—6)



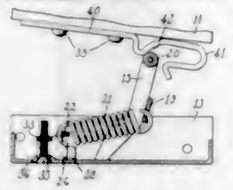
1. In combination, a target of photoelectric material which has the property of responding in a proportional manner to radiations within a definite wave-length range and in a non-proportional manner to radiations within a second definite wave-length range, an electric circuit connected to said target, means for applying radiations within said first wave-length range from an object or field of view to said target to cause an electrical response, and means for simultaneously scanning said target element by element with a beam of radiations within said second wave-length range to cause another electrical response, the two responses cooperating to control the production of an image current in said circuit.

2,236,173
VOLTAGE CONTROL
Labeeb B. Haddad, New Haven, Conn., assignor, by mesne assignments, to The Safety Car Heating and Lighting Company, Inc., New York, N. Y., a corporation of Delaware
Application January 22, 1938, Serial No. 186,306
4 Claims. (Cl. 171—119)



1. In apparatus of the class described in which a product is treated in a treatment zone by means of electrical discharges resulting from impressing a high electrical potential upon an electrode structure, an alternator which is the source of the electrical potential, an exciter generator to supply alternator field current, and auxiliary means to deliver a variable amount of additional field current to said alternator to thereby control the output voltage of the alternator; said auxiliary means comprising a rectifier circuit having its input side connected across the output side of said alternator and having its output side connected to deliver alternator field current in parallel with said exciter generator, said rectifier circuit comprising a resistance connected in series with two parallel circuits one of which is a rectifier unit and the other of which is a resonance unit, said resonance unit being in parallel resonance at a frequency slightly below the normal operating frequency of the treating apparatus, and the various characteristics of said rectifier circuit having values dependent upon the characteristics of the other apparatus, whereby sufficient alternator field current is supplied by the auxiliary means at all times to compensate for changes which occur due to changes in alternator speed.

2,236,174
WINDOW OR DOOR CATCH
Gotthard Hagstrom, Westville, Conn., assignor to The H. B. Ives Company, New Haven, Conn., a corporation of Connecticut
Application October 21, 1939, Serial No. 300,563
6 Claims. (Cl. 292—79)



1. In a door catch, a casing, a catch element pivoted thereto, a spring connected at one end to said element to yieldably hold it in the casing, a member to which the other end of said spring is connected, means to support said member rockably in the casing, and means to rock said member about its support to adjust the tension of the spring, said supporting means comprising an abutment rigid with the casing against which said member is held by tension of the spring.

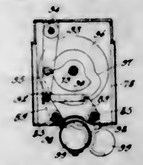
2,236,175
GUARD FOR A STACK OF OBJECTS
Ernest Hauck, Hillside, N. J.
Application October 18, 1938, Serial No. 235,694
6 Claims. (Cl. 256—1)



1. A guard for a pile of stacked objects and comprising a base, means for causing a wheel, moving on a path within a predetermined distance of the stack to be guarded, to be displaced to a path at a greater distance from the stack, and means tending to prevent the displacement of the first-mentioned means by the approaching wheel, said last-mentioned means comprising an extending flange positioned to underlie an approaching wheel when said wheel is in contact with said first-mentioned means.

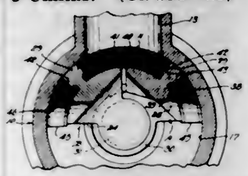
2,236,176
FRUIT AND VEGETABLE CUTTING MACHINE
Eugene Robert Jagenburg, Douglaston, Long Island, N. Y.
Application June 6, 1939, Serial No. 277,577
4 Claims. (Cl. 146—78)

1. In a machine of the character described, means for feeding fruit or the like to a cutting mechanism comprising a stationary fruit receiving magazine, a pusher disk mounted for bodily



movement in an arcuate path into and out of coaxial relation with the magazine and also longitudinally thereof and means for reciprocating said pusher disk within the magazine.

2,236,177
CONTROL VALVE FOR WELLS
Glenn D. Johnson, Los Angeles, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application December 21, 1936, Serial No. 116,872
5 Claims. (Cl. 251—18)



1. A control gate for a well casing including, a body to be connected with the casing and having an opening to form a continuation of the opening in the casing, a transverse opening intersecting the first named opening, a socket in one end of the transverse opening and a reduced bore at the other end of the opening, a pair of valve members in the transverse opening, means supporting the members for swinging movement between open positions and positions where they cooperate to close off the first named opening when the same is empty and positions where they cooperate to seal about an object extending through the first named opening to close off the opening, said supporting means comprising a tubular trunnion on one member turnable in said socket, a trunnion on the other member turnable in the tubular trunnion, a tubular trunnion on said other member turnable in the bore, and a trunnion on the first mentioned member turnable in the last named tubular trunnion, and means for swinging the valve members between said positions.

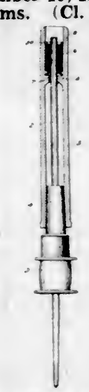
2,236,178
BOBBIN AND SPINDLE FOR SPINNING, TWISTING, AND SIMILAR MACHINES
John A. Kennedy, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application October 15, 1938, Serial No. 235,295
4 Claims. (Cl. 242—46.2)

1. A bobbin for use in spinning, twisting and similar machines, said bobbin comprising a tubular body adapted to be slipped on and off a spindle in such a machine, a resilient bushing in the upper part of said body adapted to yieldingly center the upper portion of the bobbin on the spindle blade, means for holding said bushing in a fixed position in said body including a shoulder in the bobbin against which one end of the bushing bears, and a tapered frusto-conical sheet metal washer engaging the opposite end of said bushing and serving to guide the tip of the



spindle blade into the bore of the bushing when said bobbin is slipped on the spindle.

2,236,179
BOBBIN
John A. Kennedy, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application December 19, 1938, Serial No. 246,539
2 Claims. (Cl. 242—120)

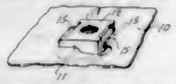


1. A bobbin for use in spinning, twisting, and similar machines, said bobbin comprising a tubular body adapted to be slipped on and off a spindle in such a machine, a resilient bushing in the upper part of said body adapted to yieldingly center the upper portion of the bobbin on the spindle blade, means for holding said bushing in a fixed position longitudinally in said body including a frusto-conical washer against which the lower end of said bushing bears, the smaller end of said washer being directed upwardly, and means in said bobbin against which the upper end of said bushing bears, said means being releasable to permit the removal of said bushing through the upper end of the bobbin.

2,236,180
METHOD OF SECURING NUTS IN PLATES
Harold W. Kost, Ferndale, Mich., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application October 26, 1938, Serial No. 237,070
2 Claims. (Cl. 29—148)

1. The method of securing a polygonal nut of

uniform exterior in a polygonal aperture of a size and shape sufficient to fit the nut with portions of the nut disposed on opposite sides of the aperture, which consists in inserting the nut into the aperture, and thereafter applying pressure to opposite



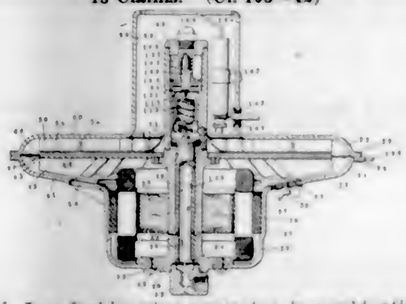
sides of the nut adjacent the side edges thereof but away from the corners to cause the metal to flow laterally in a substantially arcuate path to form rib-like projections in gripping relation upon opposite side edges of the aperture.

2,236,181

FUEL BURNING APPARATUS

Andrew A. Kucher, Dayton, Ohio

Application December 30, 1937, Serial No. 182,462
15 Claims. (Cl. 103—42)



1. In a fuel burning apparatus, in combination, a frame forming a bearing; a stationary shaft carried by the frame; a rotating member journaled on the bearing; a ring having an eccentric bore tangentially engaging the shaft, said rotating member having a bore eccentric with respect to the axis of the shaft, said ring being rotatable in said eccentric bore to effect eccentrical adjustment of the ring, means for securing said ring to the rotating member; a pump vane carried by the shaft for engaging the bore of the ring, said vane and ring cooperating to pump a fluid, said rotating member forming a high pressure chamber for receiving the pumped liquid.

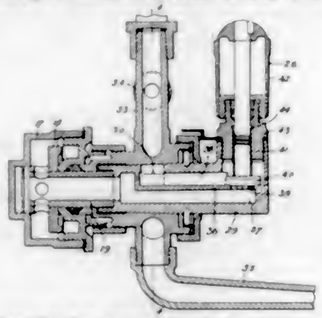
2,236,182

MEANS FOR FORMING MIXTURES OF FLUIDS AND DELIVERING MEASURED QUANTITIES OF THESE MIXTURES

L. Le Roy-Meersmans, Berchem, Belgium

Application September 29, 1937, Serial No. 166,429. In Belgium October 2, 1936
6 Claims. (Cl. 277—18)

1. A valve device for forming predetermined mixtures of fluids and delivering said mixtures in predetermined quantities comprising in combination, a valve body, pipes supplying fluids of different characteristics united to said body, valves mounted in said body for controlling the delivery of said pipes, a rotatable cam-shaped member for controlling the positions of said valves, said body having a mixing chamber, means forming a delivery outlet, a rotatable trunnion, said trunnion connected to said cam-shaped member and provided with a passage for the fluid flowing from the mixing chamber to the delivery outlet, means for adjusting the flow of the fluid through the passage of the trunnion, a handle movable in a single plane and connected to the trunnion to rotate the latter and the cam-shaped members, and means movable on



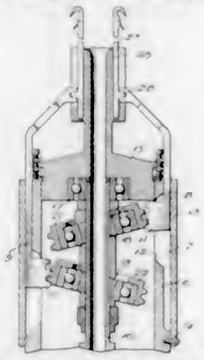
said handle for actuating the control means of the fluid passage of the trunnion.

2,236,183

APPARATUS FOR KNITTING

Brooke W. Lerch, Dundalk, and Clyde N. Stover, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 7, 1940, Serial No. 317,648
9 Claims. (Cl. 66—9)



1. In a knitting machine, a plurality of thread supplies, a needle cylinder, a plurality of needles uniformly spaced circumferentially on said cylinder and reciprocable thereon, a jack cylinder, a plurality of jacks for actuating said needles non-uniformly spaced on said jack cylinder, means for rotating said cylinders, and means for actuating said jacks in timed relation to the rotation of said cylinders to form a knitted fabric.

2,236,184

PREPARATION OF POTENTIALLY REACTIVE SOLUTIONS OF UREA-FORMALDEHYDE REACTION PRODUCTS

Adolf Menger, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware

No Drawing. Application July 7, 1938, Serial No. 217,966. In Germany October 9, 1934
4 Claims. (Cl. 260—29)

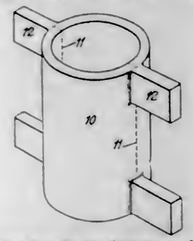
1. A method of making a potentially reactive aqueous solution that comprises preparing a solution from a water-soluble formaldehyde-urea reaction product, urea, ammonium chloride, and ammonia which is in addition to the ammonia in the ammonium chloride and which alone is sufficient in amount to fix enough formaldehyde to render the concentration of free formaldehyde in said solution substantially less than the concentration normally present in an aqueous solution of said reaction product, whereby the hardening of said product is retarded.

2,236,185

PRODUCTION OF TUBULAR UNITS FOR BOILERS AND THE LIKE

Thomas E. Murray, Jr., Brooklyn, N. Y.

Application February 20, 1937, Serial No. 126,760
12 Claims. (Cl. 219—10)



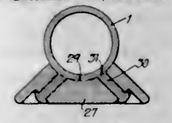
11. The method of making a hollow article which comprises welding a sheet metal article on a longitudinal seam, placing a reinforcing member to span said seam and welding said reinforcing member to the body at opposite sides of the seam.

2,236,186

HEAT EXCHANGER

Thomas E. Murray, Jr., Brooklyn, N. Y.

Application February 20, 1937, Serial No. 126,761
17 Claims. (Cl. 122—6)



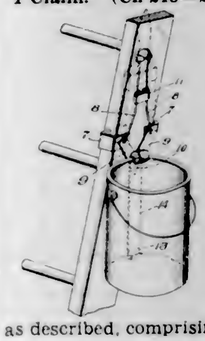
1. A tubular unit of the character described comprising a tube, projection-pieces applied to one side of the tube and preformed fasteners welded to the tube and directly engaging the projection-pieces so arranged that the fasteners draw said blocks into pressure contact with said tube.

2,236,187

PAINT PAIL AND BRUSH HOLDER

Walter Penney, Colonie, N. Y.

Application May 24, 1939, Serial No. 275,470
1 Claim. (Cl. 248—210)



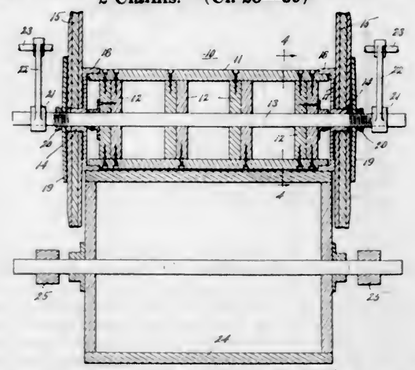
A device as described, comprising a metal band, two vertical wire loops, said loops adapted to hold a paint brush, downwardly extending legs of said loops encircled at their intermediate portion by the metal band, two metal holding jaws, said jaws adapted to partly surround the frame of a ladder, said jaws having an opening through which the rungs of a ladder may pass, two metal off-set leverage pieces, and two interlocking metallic strips, said jaws pivoting on the lower ends of the brush holder legs, said jaws also pivoting on the upper ends of the two metal off-set leverage pieces, said off-set metal leverage pieces adapted to clamp the holding jaws to a ladder frame, said off-set leverage pieces pivot on their converged ends to the upper portion of the two interlocking metal strips, said interlocking metal strips adapted to hold a paint pail.

2,236,188

DRIVE FOR WARPER BEAMS

Ray Udell Thornton, New Bedford, Mass.

Application November 9, 1939, Serial No. 303,579
2 Claims. (Cl. 28—39)



1. In combination, a warper beam having heads at the respective ends thereof and a warper drum for driving said beam by frictional engagement, and an unyielding annular member disposed on the outer periphery of said beam intermediate the heads thereof and interposed between said beam and said drum whereby the engagement between said drum and beam is first between said drum and annular member and then between said drum and the yarn wound on the outer periphery of said annular member immediately after the beginning of the winding operation.

2,236,189

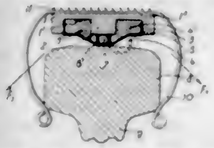
TORPEDO FOR SIGNALING ON RAILROADS OR FOR OTHER USES

Léon Veber, Paris, France, assignor to Societe Anonyme dite: Societe Francaise de Munitions, de Chasse de Tir et de Guerre (Anciens Etablissements Gevelot et Gaupillat, Paris, France, a corporation of France

Application November 5, 1938, Serial No. 239,079
In France November 23, 1937
4 Claims. (Cl. 246—487)

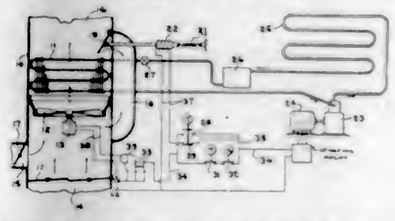
1. A torpedo for signaling on railroads or for other uses, comprising a rigid metal body of relatively large thickness and of the form of an inverted cup and having a downwardly extending peripherical flange, a cup-shaped member stamped out of thin metal and fitting under said body, and of which it forms the lower face, an explosive charge in said thin cup-shaped member,

said peripherical flange ensuring a lateral protection against the explosion of said charge and



a priming device of small section inserted between said rigid body and said cup-shaped member and in contact with these two elements.

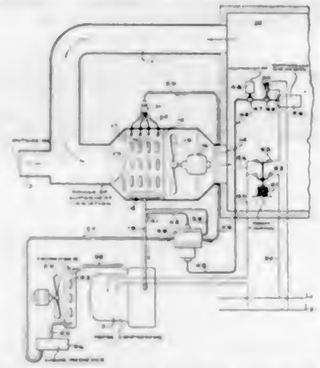
2,236,190
AIR CONDITIONING APPARATUS
Edward R. Wolfert, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 6, 1935, Serial No. 5,211
13 Claims. (Cl. 236—44)



13. In air conditioning apparatus for an enclosure, the combination of means for cooling air and delivering the same to the enclosure, said cooling means being adjustable from a first condition of operation to a second condition of operation to increase the ratio of latent heat removal to sensible heat removal, means responsive to a high humidity and a temperature between predetermined maximum and minimum temperatures for effecting operation of said air-cooling means under said second condition, means responsive to a temperature above said predetermined maximum temperature for effecting operation of said cooling means under said first condition independently of the action of said humidity-responsive means, and means responsive to a temperature below said predetermined minimum temperature for terminating operation of said cooling means independently of the action of said humidity-responsive means.

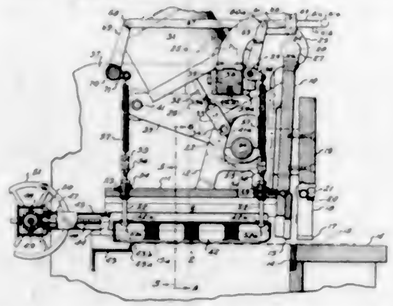
2,236,191
AIR CONDITIONING APPARATUS
Edward R. Wolfert, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1936, Serial No. 99,179
2 Claims. (Cl. 62—6)

1. In apparatus for air conditioning an enclosure, the combination of an evaporator, means for conveying air over said evaporator into the enclosure, a compressor having its inlet in unrestricted communication with the evaporator so that the pressure in the evaporator is variable dependent upon operating conditions of the apparatus, a condenser connected to the compressor and providing liquid refrigerant for the evaporator, a valve connected between the condenser and the evaporator for controlling the flow of liquid refrigerant from the former to the latter, means responsive to the pressure of refrigerant in the evaporator and to the temperature of the vaporized refrigerant leaving the evaporator for actuating said valve to control the superheat of said leaving refrigerant, and means responsive to



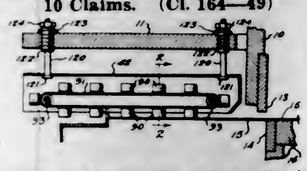
a humidity condition of air for imposing a variable fluid pressure upon said last-mentioned means and for varying said fluid pressure gradually to adjust said last-mentioned means for a greater degree of superheat upon increase in humidity and for a lesser degree of superheat upon decrease in humidity.

2,236,192
SHEARING MACHINE
Merrill W. Hazelton, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a corporation of Ohio
Application July 12, 1940, Serial No. 345,196
15 Claims. (Cl. 164—47)



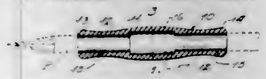
15. In combination with a shear having blades for cutting sheet metal, a main shaft, electromagnetic means for holding up the unsupported portion of a sheet beyond the blades, an electric circuit including said electro-magnetic means and a source of electric current therefor, a rheostat in said circuit and a switch for short circuiting said rheostat, said circuit including also a normally closed switch and a normally open switch in parallel therewith, a cam on said main shaft, said cam arranged to close said rheostat short circuiting switch upon initiation of movement of the shear, and said cam arranged also to open said normally closed switch upon completion of the cut, said normally open switch permitting the electric circuit to be maintained at the completion of the cut if desired.

2,236,193
SHEARING MACHINE
Merrill W. Hazelton, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a corporation of Ohio
Original application July 12, 1940, Serial No. 345,196. Divided and this application July 12, 1940, Serial No. 345,197
10 Claims. (Cl. 164—49)



10. In combination with a shear having blades for cutting sheet metal, magnetic means for holding up the unsupported portion of a sheet beyond the blades and means to render said magnetic means effective in holding up a sheet while permitting movement of a sheet in its plane, said magnetic means comprising a plurality of magnet bars disposed side by side transversely of said shear blades, each of said magnet bars comprising a casing substantially crescent shape in cross section, a plurality of generally horse shoe shaped permanent magnets disposed in said casing and insulated from said casing and from each other and means for elevating selectively any of said magnet bars to render them ineffective.

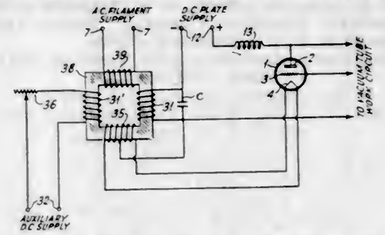
2,236,194
FINGER CUSHION PENCIL HOLDER
Charles Lorber, Louisville, Ky.
Application April 1, 1940, Serial No. 327,345
4 Claims. (Cl. 120—103)



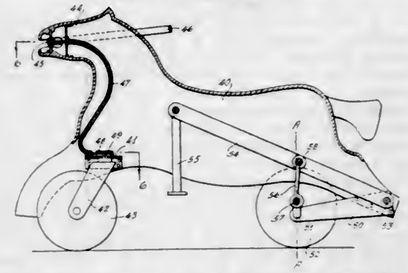
1. A writing implement attachment consisting of a one piece sleeve of flexible rubber-like material having a bore for receiving the stem of a writing implement, the exterior surface of said attachment being circular in cross-section throughout its length, said bore having terminal portions adapted to fit closely on the implement and having at least one enlarged portion intermediate its ends forming a recess to provide an air pocket around the implement stem, the enlarged portion of the bore being oval in cross-section whereby to form alternate thin and thick portions in the wall of the sleeve.

2,236,195
AUTOMATIC CATHODE VOLTAGE ADJUSTING DEVICE
Lewis J. McKesson, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 15, 1938, Serial No. 245,838
3 Claims. (Cl. 250—27)

1. In combination, a thermionic discharge tube having at least an anode and a cathode, a source of alternating current for energizing said cathode, a first source of direct current for said anode, a transformer interposed between said source of alternating current and said cathode, said transformer having a pair of auxiliary windings, a second source of direct current for energizing one of said windings, the other of said windings being connected between said first source of direct current and said cathode, said auxiliary windings being arranged in bucking relationship whereby an increase in the anode current of said tube causes an increase in the voltage applied to said cathode.

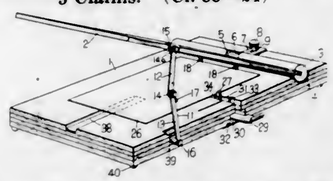


2,236,196
TOY VEHICLE
Alexander J. Middler, Detroit, Mich.
Application January 30, 1939, Serial No. 253,569
6 Claims. (Cl. 280—1.19)



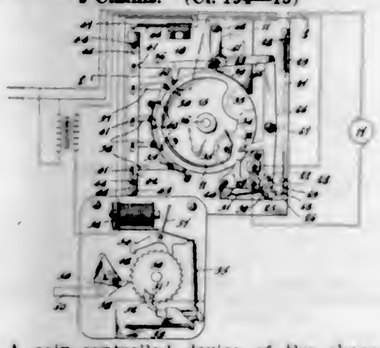
1. In combination, an axle having wheels eccentrically mounted thereon, a body mounted on said axle, a crank on said axle, a lever pivoted on said body, and means operatively connecting said lever with said crank, said last named means being disposed such that their dead centers are offset with respect to the dead centers of the eccentric wheels.

2,236,197
PHOTOGRAPHIC PRINTING EASEL
Walter B. Moore, Coshocton, Ohio
Application January 16, 1940, Serial No. 314,113
5 Claims. (Cl. 88—24)



3. A printing easel comprising a base member upon which the printing paper is adapted to rest, a paper-retaining plate, a hinge structure for hinging one edge of the paper-retaining plate to the base, said hinge structure including a roller to which one edge of the plate is secured, said base member having a groove formed therein for receiving the roller, said groove being of a depth greater than the distance from the lower surface of the plate to the lowermost point on the roller so that the plate will firmly contact with the base throughout its area when swung downwardly into cooperative relationship therewith.

2,236,198
COIN-CONTROLLED APPARATUS
Fred H. Osborne, Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application September 15, 1937, Serial No. 163,882
9 Claims. (Cl. 194—15)



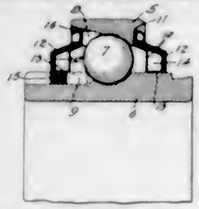
1. A coin-controlled device of the character described, comprising a movable coin-carrier having pockets therein disposed in staggered fashion for receiving coins of different denominations, said pockets being shallower than the respective coins whereby the latter protrude beyond the surface of the carrier, coin-engaging means normally disposed in surface contact with said carrier and correlated with the respective coin-pockets for bridging relation with one or more of them and for independent operation to a tripping position when encountered by the respective coins borne by the carrier, and a member operatively connected to said coin-engaging means for actuation thereby when moved to a tripping position.

2,236,199
FRUIT PICKER'S BAG
Thomas P. Petersen, Lake Wales, Fla.
Application May 19, 1939, Serial No. 274,657
2 Claims. (Cl. 150—2)



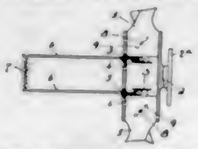
1. In a device of the class described a one piece rigid frame including an arcuate rod, fingers depending from the ends of the arcuate rod and disposed in a plane substantially at right angles to the plane occupied by the arcuate rod, a stiff bowed connection between the fingers and below the plane occupied by the arcuate rod, a taut flexible web connecting the fingers between the arcuate rod and the arcuate connection and substantially bridging said arcuate connection, said web constituting a yieldable cushioning element for transmitting thrust against the body of a user, a bag having an open end extending around the frame and secured to the arcuate rod, said bag having a substantially flat back portion extended along and outside of the web, an elongated pad within the bag and extending along the web, said pad being proportioned to overlie and extend over the stiff connection, and a flexible deflector connected to the top of the bag and overlying the pad, said deflector being extended downwardly within the bag and below the pad and stiff connection.

2,236,200
SEAL BEARING
Howell L. Potter, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application October 5, 1939, Serial No. 298,015
4 Claims. (Cl. 308—187.2)



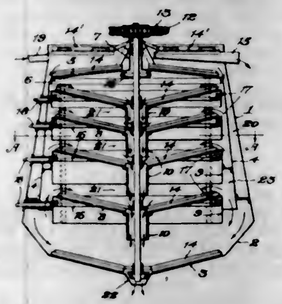
1. A bearing, including inner and outer bearing rings with interposed anti-friction bearing members, one of said rings having a filler slot therein, a seal member circumferentially fitting the ring having said filler slot and spanning the latter, and a plug of resilient material in said filler slot and substantially completely filling the space between said slot and the spanning portion of said seal member and resiliently engageable with said slot and seal member.

2,236,201
SCREW PROPELLER
Albert Rupp, Berlin-Sudende, Germany
Application October 3, 1938, Serial No. 233,100
In Germany September 17, 1937
7 Claims. (Cl. 170—162)



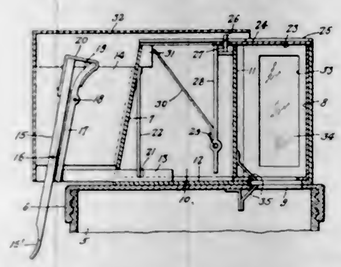
1. In a screw propeller comprising a hub with a driven side, and a plurality of blades radiating from the hub and in which, to give automatic adjustment of the diameter of the blades by centrifugal force with simultaneous adjustment of the pitch of the blades, each blade is supported in the hub so as to be radially movable and turnable about the blade's axis and a pitch-varying connection is provided between the blades and the hub; flanges on the blade roots, two lever devices non-rotatable with respect to the hub, pivots on the hub for the lever devices, resilient means loading the lever devices, each lever having an arm with a movement transmitting part pressing radially inwards on the flange of the respective blade and an arm engaged by the resilient means, said latter arm being disposed to the side remote from the driven side of the hub.

2,236,202
CLARIFYING APPARATUS FOR SUGAR CANE JUICE AND OTHER SUGARY PRODUCTS
Armando S. Villasuso, Ingenio Concepcion, Tucuman, Argentina
Application January 5, 1939, Serial No. 249,537
In Argentina October 31, 1938
3 Claims. (Cl. 210—55)



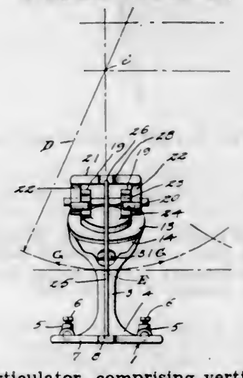
1. Clarifying apparatus for sugar cane juices and the like and including an outer casing having an inlet conduit and an outlet conduit at its upper end for the effluent juices, said casing having a closed lower end provided centrally with a sludge outlet, a series of decantation trays arranged in vertically spaced relation within said outer casing, said trays being all of the same diameter and of inverted frusto-conical form, a frusto-conical inner casing arranged in the space between the trays and outer casing and having a frusto-conical top provided with an upwardly extending and centrally disposed outlet tube, outlet tubes each extending downwardly from a respective tray at the center thereof, a shaft extending through said outlet tubes, scrapers carried by said shaft and extending over the trays, and means to drive said shaft.

2,236,203
MEASURING AND DISPENSING DEVICE
Charles A. Willman, Ontonagon, Mich.
Application June 29, 1939, Serial No. 281,948
3 Claims. (Cl. 221—112)



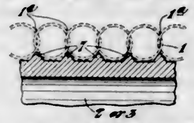
1. A measuring and dispensing attachment for receptacles comprising a material receiving and dispensing chamber having openings in its top and bottom portions, the bottom opening communicating with the receptacle, a sliding valve for each opening, spring means for each valve yieldably maintaining the bottom valve open and the top valve closed, a manipulating lever connected to the lower valve for closing the same, a pivoted lever connected to the upper valve and having one end in the path of a part of the lower valve for oppositely actuating said valves, said upper valve remaining inactive during initial closing movement of the lower valve.

2,236,204
ARTICULATOR
Walter J. Wilson, Petersburg, Ind.
Application September 15, 1938, Serial No. 230,097
9 Claims. (Cl. 32—32)



1. An articulator, comprising vertically spaced upper and lower carriers and hinge means connecting said carriers and consisting of two members having contacting concave and convex faces, the said faces of the members each having right angularly related curved surfaces struck from vertically spaced points in the vertical median plane of the articulator and the hinge between the hinge and the front of the articulator, whereby the upper carrier may be moved in an arcuate path extending from the front to the rear of the articulator and in an arcuate path extending transversely thereof, the said arcuate paths intersecting in a plane lying between the upper and lower carriers, the said last plane corresponding to the occlusal plane for dentures on the carriers.

2,236,205
BELT CONVEYER
Carl Gustave Wright, Cambridge, Ohio
Application February 16, 1939, Serial No. 256,815
2 Claims. (Cl. 198—203)



1. A conveyer including the combination of a belt of the parallel intermeshed wire coil type and a drum on which said belt rides and which has circumferential substantially continuous ridges entering the depressions formed in said belt by the intermeshed portions of its coils.

2,236,206
ART OF SPRING MANUFACTURE
Sylvan J. Becker, Lake Bluff, Ill., assignor to The Associated Spring Corporation, Bristol, Conn., a corporation of Delaware
Application May 26, 1938, Serial No. 210,287
1 Claim. (Cl. 29—173)

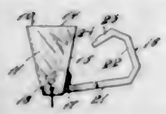
The art of manufacture of coned Belleville springs which consists in treating flat metal plate

to give it a spring temper, deforming the plate to coned shape to provide a coned spring, and set-



ting the spring in such coned shape by suitable treatment.

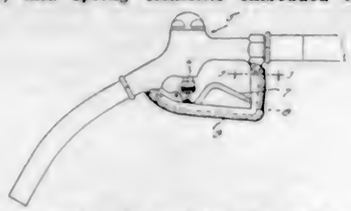
2,236,207
CLASP
David Harold Bowder, Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application January 3, 1940, Serial No. 312,239
2 Claims. (Cl. 24—232)



2. A clasp comprising a body member having spaced back and front walls of generally triangular shape connected along one edge by a side wall, the other side and the upper end of said body member being open along their entire extent to provide an entrance passage between them for the reception of a hook member, and a hook member of generally triangular shape located between said side walls and pivoted near to the apexes thereof for lateral swinging movement to and from a closed position between said side walls through the open side and end of said body member, an attaching eye spaced from said pivot, said hook member being cut away to clear said eye during a portion of its swing and then abutting the eye and being of skeleton shape and of a length so as to extend beyond the body member when in closed telescoped position in said body member to provide a loop having an enlarged polygonal opening bounded by outwardly flaring side portions which extend outwardly from the open upper end of said body member in a direction in line with the tapered side edges of the back and front walls of the body member, said opening of the loop being of greater width crosswise of the hook than its width on a line axially of the body member, the terminal end of said hook being exposed when the hook member is turned into open position and when in closed position and in telescoping relation in the body member the terminal end of the hook extends into the open upper end of the body member along its side wall.

2,236,208
PROTECTOR
Thomas Braxton Creel, Chapel Hill, N. C.
Application April 1, 1940, Serial No. 327,332
2 Claims. (Cl. 221—84)

1. In a device of the character described, a cushion channel member shaped in accordance with the shape of a gasoline dispensing nozzle guard and adapted to receive in the channel thereof the guard and to frictionally grip the latter, and spring elements embedded in the



cushion member to contract the walls of the channel thereof against the guard.

2,236,209
PROCESS FOR THE MANUFACTURE OF ARTICLES WHICH ARE MADE OF IRON OR STEEL AND ARE THREADED OR POSSESS SURFACES WHICH MAKE TIGHT JOINTS
Karl Daeves and Gottfried Becker, Dusseldorf Germany
No Drawing. Application May 10, 1938, Serial No. 207,070. In Germany May 11, 1937
1 Claim. (Cl. 148—14)

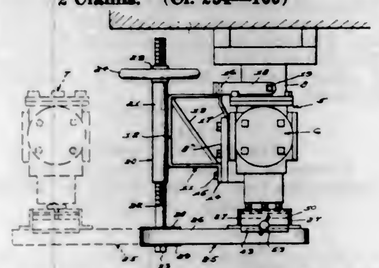
The process of preventing seizing of closely interfitting parts made of iron alloy, when they are stationary relative to one another and maintained tightly held together, while being subjected to high temperature and corroding influence, said process consisting in modifying the outermost portion of at least one of said parts by chemically replacing some of the iron therein by chromium, by subjecting said part to the action of a gaseous chromium chloride at a temperature above 850° C., thus producing an article of substantially unaltered dimensions, which superficially consists of a chromium-iron alloy intimately united with the iron alloy beneath it.

2,236,210
OIL WELL PUMP AND SAND TRAP
George N. Foggan, Pleasantville, Pa.
Application November 2, 1939, Serial No. 302,583
3 Claims. (Cl. 103—220)



1. In a well pump, a tubular sand trap and anchor having a perforated lower portion to admit liquid, an outer tubular coupling connected with the upper end of said sand trap and anchor, an inner tubular coupling within and spaced from said outer coupling, means rigidly securing the two couplings to each other and leaving a sand-conducting space between them, a liquid-conducting pipe within said sand trap and anchor and having its upper end connected with the lower end of said inner coupling, a packer on the lower end of said liquid-conducting pipe and fitted into said sand trap and anchor above said perforated portion thereof, a string of tubing having its lower end connected with said outer coupling, a barrel within said string of tubing having its lower end connected with the upper end of said inner coupling, a standing valve for preventing down-flow of liquid through said barrel, and a tubular plunger reciprocable in said barrel for elevating and discharging liquid into said string of tubing above said barrel, said plunger having a piston engaging said barrel and being provided with a non-return valve.

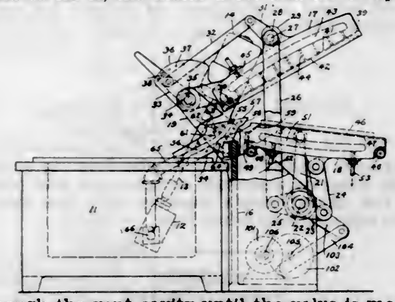
2,236,211
VALVE APPLYING AND REMOVING APPARATUS
William H. Green, Louisville, Ky.
Application December 7, 1939, Serial No. 308,056
2 Claims. (Cl. 254—100)



1. Apparatus for removing and replacing the lower section of a suspended valve from an upper section comprising a tubular barrel adapted to be attached to said upper section in upright position, means to attach said barrel comprising a laterally extending bracket on one side of the same, a screw shaft in said barrel having upper and lower ends extending out of the same, a hand wheel threaded onto the upper end of said shaft and operative to raise and lower the same in said barrel, an elongated arm-like platform pivotally mounted at one end on the lower end of said shaft to extend laterally therefrom and for swinging movement about the shaft to locate its other end into and from subjacent position relative to said lower valve section, a second similar platform mounted on said other end of the first-mentioned platform to extend lengthwise at a right angle thereto and endwise slidable thereon beneath said lower valve section, and manipulative means for sliding said second platform into different set positions.

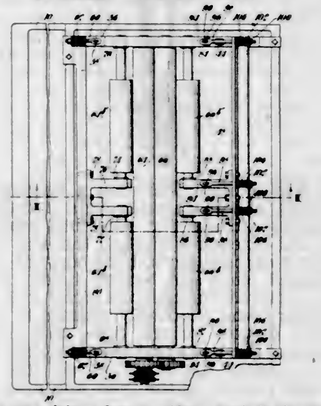
2,236,212
STEREOTYPE PLATE CASTING DEVICE
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 4, 1937, Serial No. 178,131
14 Claims. (Cl. 22—2)

3. In a stereotype plate casting machine, the combination with a molten metal supply and a mold, of a conduit communicating the mold with the molten metal supply, a member having a dross receiving cavity formed therein and communicating with the conduit and the atmosphere adjacent the mold, a valve movable responsive to molten metal pressure for interrupting communication between the vent cavity and the atmosphere, and means for forcing molten metal under pressure through the conduit into the mold to fill it, the metal dross and air escaping



through the vent cavity until the valve is moved to interrupt communication between the vent cavity and the atmosphere by continuation of said molten metal pressure after the mold is filled.

2,236,213
BACKUP ROLLS FOR TINNING MACHINES
Nelson M. Jenkins, Clyde D. Michaels, Frederick Robson, and Howard C. Rodgers, Birmingham, Ala.
Application June 5, 1940, Serial No. 339,036
4 Claims. (Cl. 91—59.2)

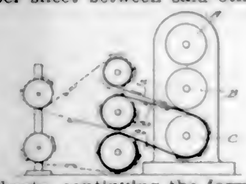


1. In a machine for coating metal sheets, the combination with the coacting smoothing rolls which are effective to squeeze off the surplus coating material from the sheet being coated, of a backing-up roll whose outer end is journalled in a relatively fixed bearing and whose inner end terminates near the center of the length of said smoothing rolls and is journalled in a movable bearing, and means for yieldingly pressing said movable bearing toward said smoothing rolls.

2,236,214
METHOD OF UNITING RUBBER SHEETS
James Roy Jones, Lima, Ohio, assignor of one-fifth to C. M. Cable, Lima, Ohio
Application June 28, 1938, Serial No. 216,353
2 Claims. (Cl. 18—59)

1. The method of uniting rubber sheets to form a multi-ply sheet which consists in providing a plurality of opposed calender rolls, passing rubber between certain of said rolls to form

a single sheet of rubber, guiding the formed sheet to others of said rolls, passing said sheet and a second rubber sheet between said other rolls to



unite said sheets, continuing the forming of the single sheet between said certain rolls, and passing the united sheets together with the single sheet between said other rolls.

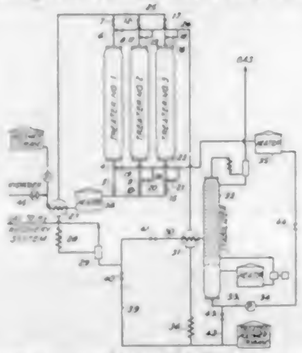
2,236,215
FISHING FLOAT
Anthony Klinitski, Nanticoke, Pa.
Application June 21, 1940, Serial No. 341,763
5 Claims. (Cl. 43—17)



1. A fishing float including a buoyant member having a bore therethrough, a transparent tube having a closed end, said tube being seated within and extending through the bore with the closed end exposed beyond the buoyant member, a combined lamp and battery holder for completing a circuit through the lamp and battery, said holder being removably inserted in the tube, a sealing closure for the tube, and means for maintaining the lamp and battery holder in position to support the lamp within the exposed closed end portion of the tube, and means within the buoyant member and held in engagement thereby by the tube, for connecting said member to a line.

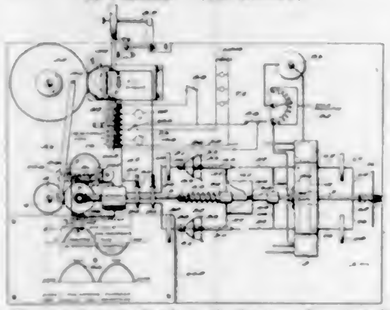
2,236,216
CATALYTIC DESULPHURIZATION OF OLEFIN HYDROCARBONS
Arthur L. Lyman and Robert C. Mithoff, Berkeley, Calif., and Howard B. Nichols, Larchmont, N. Y., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application December 6, 1938, Serial No. 244,186
16 Claims. (Cl. 260—677)

1. A process of treating sulphur-containing hydrocarbons consisting in major part of liquid acyclic mono-olefins which comprises passing said olefins in vapor phase and at a temperature of from approximately 675° F. to approximately 800° F. over a catalyst comprising a sulphide of a metal of the iron group, supplying hydrogen to said vapors and catalyst in a proportion sufficient to convert mercaptan- and disulphide-sulphur to hydrogen sulphide but insufficient to appreciably hydrogenate the said acyclic mono-olefins, removing hydrogen sulphide so formed, and passing the treated olefins at a temperature



of from approximately 675° F. to approximately 800° F. over an oxide of a metal of the iron group, whereby the mercaptan-sulphur content of the olefins is further reduced by reaction with said oxide and the formation of a sulphide of said metal.

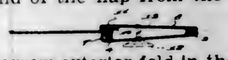
2,236,217
EDUCATIONAL DEVICE
Forrest M. Manuel, Washington, D. C.
Application June 21, 1940, Serial No. 341,746
19 Claims. (Cl. 35—19)



1. In a demonstrational device for teaching electrical principles, an element adapted to represent a field magnet, an element centrally disposed in said magnet and adapted to represent an armature core, a rotatable shaft passing through said core and when rotated indicating relative movement between an armature and said field magnet, means carried by said shaft adapted to represent inductors, and means associated with said inductor means capable of expanding and contracting to represent expansion and contraction of magnetic lines of force accompanying simulated induced current caused by relative movement between armature and magnet.

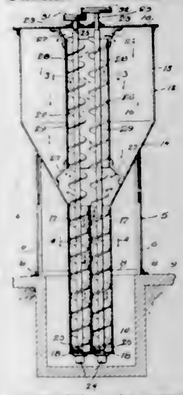
2,236,218
FLY STRUCTURE FOR TROUSERS
Joseph Marks, New Orleans, La.
Application September 27, 1939, Serial No. 296,856
6 Claims. (Cl. 2—234)

1. The herein described method of forming a button carrying fly part on trousers consisting in cutting the upper front part of said fly portion to provide a flap having a straight edge extending from the upper edge of the front portion to a point above the crotch, with the rest of said edge curving downwardly and inwardly to the crotch, the lower end of the cut forming a slit separating the lower end of the flap from the crotch, then



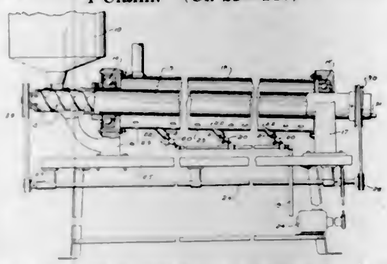
making a narrow exterior fold in the material to form a tuck, the fold lines extending from the said upper edge to the inner end of the slit and then stitching the folded part to retain the tuck in place.

2,236,219
MIXER
Ralph Prater, Hinsdale, Ill.
Application September 9, 1939, Serial No. 294,142
8 Claims. (Cl. 259—97)



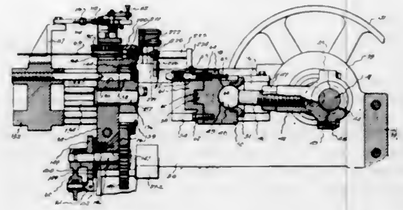
1. A mixer comprising in combination a mixing chamber, two vertical opposed semi-circular mixing troughs therein, the walls of one being connected to those of the other to form a conduit, two vertical closely spaced spiral conveyors, one coaxial with and rotating in each semi-circular trough; said spiral conveyors being adapted to elevate materials in the conduit and throw them from the flights of each spiral conveyor upon those of the other one, the spiral conveyors extending below the lower end of the conduit, whereby material in the mixing chamber may flow upon the flights of the unshrouded parts of the conveyors, and driving means for said spiral conveyors.

2,236,220
PROCESS AND MACHINE FOR PREPARING BATTERY PLATE BINDERS
Clarence A. Rodgers, Indianapolis, Ind.
Application March 8, 1939, Serial No. 260,558
1 Claim. (Cl. 23—146)



That method of preparing a binder for battery plate compositions which consists of drying used positive plates, tumbling the dried plates to separate the plate filler from the plate grids and reduce it to a powder, and heating the powder in the presence of iron by cascading it in a tube comprising iron in its composition, heated to a temperature ranging about 700 to 800 degrees Fahrenheit.

2,236,221
MACHINE FOR MAKING RIVETS
Ben Shwayder, Ecorse, Mich.
Application April 19, 1939, Serial No. 268,680
11 Claims. (Cl. 10—13)

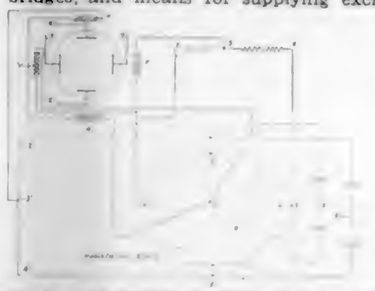


1. A machine of the class described, comprising: a wire feeding mechanism; a rotatable die head having a plurality of spaced axially extending circumferentially arranged passages formed therein; means for rotating said die head in steps; a die mounted in each of alternate passages formed in said die head and having a passage formed therein countersunk at one end; an indexing rod projectible into the non-die carrying passages in said head successively for securing said head against rotation; means for feeding a cut piece of wire into the passage in a die upon the securing of said head against rotation; means for upsetting one end of said wire into said countersink subsequent to the feeding operation; a tool for engaging the countersunk portion of said piece of wire and indenting the same during the feeding of a subsequent piece of wire into another die; means for successively, at successive steps of rotation of said die head, upsetting the opposite end of said cut piece of wire to provide a head; successive tools successively operable for further indenting the upset portion of said cut piece of wire in said countersink; and a plunger bearing tool engageable with the indented portion of said wire for forcing said cut piece of wire outwardly from the die and effecting a flowing of the indented portion around said plunger to provide a socket.

2,236,222
TELEVISION RECEIVER
Charles Norman Smyth, Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application October 25, 1939, Serial No. 301,128
In Great Britain October 11, 1938
2 Claims. (Cl. 178—7.7)

1. A scanning system for a television device having a scanning means, a pair of deflecting means for effecting said scanning in two directions, sweep voltage generating means for each of said deflecting means, and means for independently centering said scanning means vertically and horizontally, comprising two sets of auxiliary deflecting elements, bridge circuits for each of said sets so that said deflecting elements carry no current when said bridges are balanced,

a common control element forming a part of said bridges, and means for supplying exciting



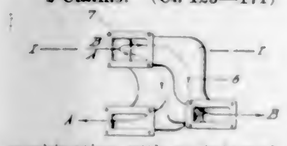
currents to said bridge circuits for independent adjustment of the deflection.

2,236,223

INTERNAL COMBUSTION ENGINE

Josef Mickl, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany

Application January 13, 1940, Serial No. 313,755
In Germany January 5, 1939
2 Claims. (Cl. 123—171)



1. In combination with an internal combustion engine having a pair of cylinders positioned relatively to one another in the form of a V, and having a common crank shaft positioned substantially at the apex of said V, a rotary air pump mounted on and driven by said crank shaft, a spiral housing about said pump having a tangential delivery mouth positioned within the longitudinal projected inner boundaries of said V and in a plane parallel to the longitudinal axis of one of said cylinders, and an integral air guide having a single entrance connected to the delivery mouth of said spiral housing, said entrance being of substantially the same size and extending in the same tangential direction as said mouth, and a pair of delivery mouths on said air guide for respectively directing air against said cylinders, said air guide having a dividing wall at the entrance for separating the air stream into two smooth equi-air-resistant and equivoluminal air paths of equal length, the path for said one cylinder following a semi-circular course to one delivery mouth, substantially in a plane transverse to the longitudinal axis of said one cylinder, and the path for the other cylinder following a quarter-circular course substantially parallel to the plane of said semi-circular course, the end of said quarter-circular course extending in a direction substantially parallel to the axis of said crank shaft, and then a quarter-circular course substantially in a plane transverse to the longitudinal axis of said other cylinder to the other delivery mouth, the radii of said semi-circular and said quarter circular courses being the same.

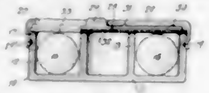
2,236,224

TABLET CONTAINER AND DISPENSER

Joshua Raschkind, New York, N. Y.

Application March 8, 1939, Serial No. 260,461
10 Claims. (Cl. 206—42)

1. A medicinal tablet container and dispenser comprising a body portion having an upwardly extending outer rim, an upwardly extending centrally disposed anchor, and integral radial ribs extending from said anchor to said outer rim, forming uniformly spaced individual compartments for receiving and retaining the tablets in substantially vertically disposed upright position, a cover having a peripheral depending skirt and



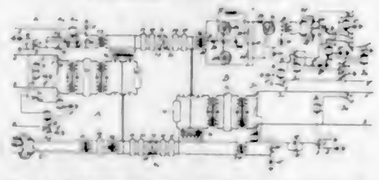
superimposed upon said body portion with the lower extremity of said skirt in frictional contact with the outer surface of said body portion, said cover having a radially extending opening extending from the center of the cover to its periphery and adapted to be brought into registry, upon rotation of the cover, with a single tablet compartment, and a closure slide for said opening.

2,236,225

SIGNALING SYSTEM FOR COMMUNICATION CHANNELS WITH PULSATING CURRENTS OVER TUBE REPEATING AMPLIFIERS

Karl Harry Thunell, Sten Daniel Vigren, and Per Harry Elias Claesson, Stockholm, Sweden

Application August 17, 1939, Serial No. 290,570
10 Claims. (Cl. 179—4)



1. In a transmitting system comprising the transmission of pulsating half-cycle direct signal currents of any sequence of polarity in both directions and of about the same magnitude as that of voice frequency currents to be transmitted over a two-way communication channel, repeating electron tubes connected in series with said channel, two stations each thereof comprising a direct current source, signal transmitting and receiving means, connecting means permanently and inductively connecting said stations to said communication channel, balancing means associated with said transmitting, receiving and connecting means, said receiving means comprising means for separating said pulsating half-cycle signal currents from voice frequency currents, and an operating device responsive to any polarity of said half-cycle signal currents.

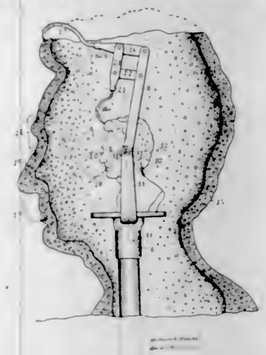
2,236,226

PROJECTOMETER

William E. Urschel and Gerald W. Urschel, Valparaiso, Ind.

Application February 15, 1939, Serial No. 256,594
10 Claims. (Cl. 33—174)

1. A projectometer for enlarging objects such as statuary or the like which comprises a suitable base, a vertical extension mounted on the base, a table or support at the upper end of the extension, a member pivoted on the extension, a projection pivoted to the member on a horizontal axis and movable around such axis in a vertical plane, a plurality of interpivoted parts constituting a pantograph on the projection said parts supporting reference points at different distances from the horizontal axis whereby a movement of one point is followed by a correspondingly



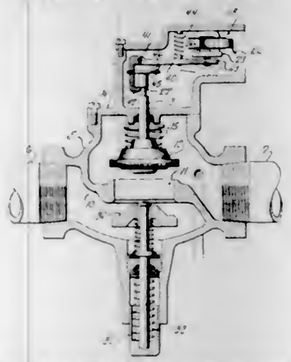
larger movement of the other point on any horizontal or vertical plane.

2,236,227

VALVE

Clarence Wantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 15, 1938, Serial No. 225,018
3 Claims. (Cl. 158—117.1)



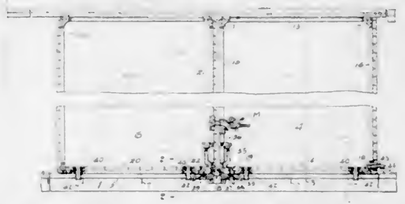
1. In an automatic shut-off valve having a reciprocable valve element biased to closed position with a substantial force and having a surface substantially transverse to the line of motion of the valve element: a latch member having a part engageable with said surface to hold the valve element open against its biasing force; means mounting the latch member to swing about a point lying substantially within a circle normal to and having its center on the axis of the valve element, the radius of said circle being equal to the maximum radial distance that the point of engagement between the latch member part and the surface it engages is from the axis of the valve element so that the biasing force acting on the valve element when held in open position by the latch member is incapable of imparting a latch disengaging turning force to the latch member; a spring acting on the latch member with a force capable of disengaging the same but considerably lighter than the biasing force acting on the valve element; and means for releasably holding the latch element against unlatching motion induced by said spring.

2,236,228

RAILWAY CAR DOOR STRUCTURE

Axel Wasberg, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application February 8, 1937, Serial No. 124,723
12 Claims. (Cl. 20—22)



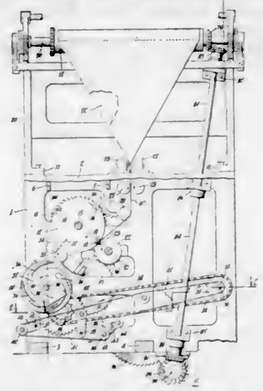
1. In a railway car, a sill and floor structure, a door track substantially contacting said structure and projecting outwardly therefrom, a door movable normally along said track, a pair of retainers secured to said door adjacent to its forward and rear edges respectively and holding said door against movement from said structure, and overlying the outermost element of said track and extending downwardly and upwardly to oppose the inner face of said track and movable lengthwise of the latter with said door, a latch movable upwardly and downwardly on said door and overlying the outermost element of said track, a latch engaging stop on said track, in the same general vertical longitudinal plane as said retainers and latch, said stop and latch holding said door against opening movement and being located nearer the front edge of said door, when the door is closed, than the adjacent retainer.

2,236,229

ROTARY FOLDING MECHANISM

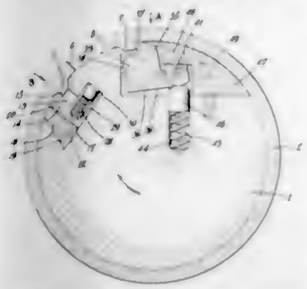
Emory W. Worthington, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application March 28, 1939, Serial No. 264,513
1 Claim. (Cl. 270—65)



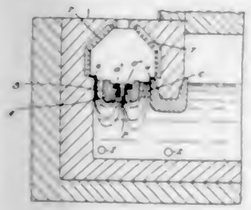
In a rotary printing press folding mechanism in combination a frame, a former mounted in said frame, a head roller for the former, a cross-folder mounted in said frame to which the web is fed from the former, a drive shaft at the bottom of the frame and a shaft within said frame having direct gear connection with said drive shaft and with said head roller.

2,236,230
STEREOTYPE PLATE HOLDING AND TENSIONING MECHANISM
Emory W. Worthington, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application March 28, 1939, Serial No. 264,514
8 Claims. (Cl. 101—378)



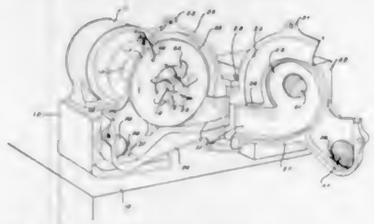
1. In combination in a rotary printing press, a stereotype plate cylinder, circumferentially movable means for holding the head end of the plate to the cylinder, means for peripherally tensioning the plate about the cylinder, said means including a pivotally mounted jaw adapted to engage the plate near its tail end, springs mounted within the cylinder and resiliently acting to move the jaw to exert peripheral tension on the plate and means for retractively moving the jaw in the opposite direction to release the plate, said means comprising an arm connected to and concentric with the mounting of said jaw, a cam for actuating said arm, and means for holding the jaw in the retracted position.

2,236,231
DEVICE FOR ELECTRICALLY HEATING DRAWING KILNS FOR SHEET GLASS
Edouard Virgile Borel, Romont, Switzerland, assignor to Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint Gobain, Chauny & Cirey, Paris, France, a corporation of France
Application November 5, 1937, Serial No. 172,970
In Great Britain November 11, 1936
9 Claims. (Cl. 49—54)



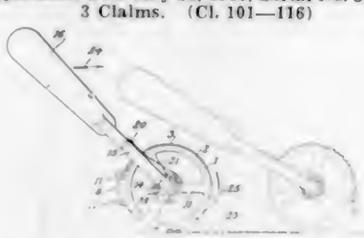
3. A device for electrically heating drawing kilns for sheet glass, comprising, in combination with the drawing kiln, a delivery device for the sheet of glass arranged longitudinally of said kiln, and comprising conductive lips connected to a source of current to form electrodes, and a number of metallic electrodes, arranged longitudinally of the kiln and substantially uniformly along the length thereof and extending substantially parallel to the line of draw of the sheet, said electrodes being connected with said source of current, so as to heat the bath of glass, by the Joule effect, by the passage of the current through the bath, transversely of the kiln, said conductive lips being connected to a second source of current, so as to be brought at a temperature above that of the bath of glass.

2,236,232
EXHAUSTING APPARATUS
Rudolph S. Breseka and Edward C. Scott, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 3, 1938, Serial No. 228,347
5 Claims. (Cl. 183—37)



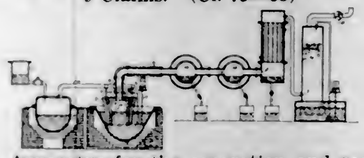
1. In an exhausting apparatus, a material working element, means to create currents of air, a pocket to receive particles resulting from the element on work, means in the pocket to divide the particles into a plurality of groups and direct the groups in separate paths, and means associated with the pocket to cause the air currents to flow in the said separate paths to remove the particles from the pocket.

2,236,233
MIMEOGRAPH
Fred Erikson, Brooklyn, N. Y., assignor of one-half to Albert Lakofsky, New York, N. Y.
Application February 24, 1940, Serial No. 320,551
3 Claims. (Cl. 101—116)



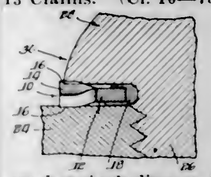
1. A device of the character described comprising, a mimeograph roller, a handle in which the roller is journalled and by which the roller is manually held in frictional contact with a sheet and rotated across the face of the same, rods extending across the roller, a stencil sheet extending around the roller and having its ends attached to said rods, means for rotatively adjusting the rods to draw the sheet smoothly around the roller, a spring and a resilient stop consisting of a flat spring for holding the roller in a predetermined position, said spring permitting rotative movement of the roller in one direction across the sheet to be imprinted and acting, when the roller is raised from the surface of the sheet at the end of its stroke across the sheet, to return the roller to the initial position of said roller against the resilient stop prior to its movement across the sheet.

2,236,234
PROCESS AND APPARATUS FOR THE SEPARATION AND RECOVERY OF METALS
Albert Hanak, Philadelphia, Pa.
Application February 26, 1935, Serial No. 8,260
9 Claims. (Cl. 75—63)



1. Apparatus for the separation and recovery of metallic constituents of metals or alloys of the nature of lead, tin, antimony, bismuth, aluminum and zinc by a treatment of the molten metal or alloy with halogens or metal-halids or a combination of them comprising a suitable vaporizer for the halogen or halid, means of conducting and distributing the vapors under the surface of the metal in a reaction chamber of metallic outer shell and suitable refractory inner shell, means of suspending the reaction chamber in the main body of molten metal or alloy, means of circulating the main body of molten metal through the reaction chamber, means for maintaining a pressure lower than atmospheric within said reaction chamber, and means for conducting, condensing, and collecting the reaction products resulting from said treatment in suitable conductors, condensers and collecting receptacles, means for maintaining higher or lower than atmospheric temperatures in said condensers and collecting receptacles and means for maintaining a pressure lower than atmospheric within said ducts, condensers and collectors.

2,236,235
FASTENER MEANS AND METHOD OF MAKING SAME
Drew Head, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application December 1, 1938, Serial No. 243,415
13 Claims. (Cl. 10—73)



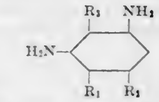
1. A lock washer including a body and resilient locking teeth projecting in opposite directions beyond said body, and comprising an integral coating of relatively impressionable material disposed radially inwardly of the inner margin of the body, whereby to enable same to be pressed into engagement with a complementary rotary threaded fastener.

2,236,236
DIRECT BROWN AZO DYES AND PROCESSES OF MANUFACTURING THE SAME
Emmet F. Hitch, Swanie S. Rossander, and Chiles E. Sparks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 2, 1939, Serial No. 287,902
4 Claims. (Cl. 260—168)

1. In the process of manufacturing an azo compound represented by the formula

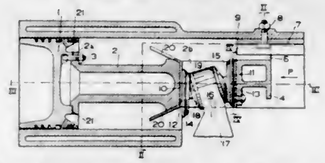
$$X \rightarrow Y \rightarrow Z \leftarrow w \rightarrow u$$

in which X is one of a group consisting of an aniline, a naphthylamine, the mono- and di-sulfonic acids of said anilines and naphthylamines, aniline mono- and di-carboxylic acids, naphthylamine mono- and di-carboxylic acids, and the derivatives of said compounds of the benzene and naphthalene series in which any aryl nuclei is substituted by at least one of a group consisting of hydrogen, alkyl, alkoxy, aralkyl, halogen and nitro; Y is one of a group consisting of amino-naphthol mono- and di-sulfonic acids; Z is a meta-diamino-benzene represented by the formula



wherein at least one of the R's is hydrogen, the other R's are at least one of a group consisting of hydrogen, alkyl, alkoxy and hydroxy, and wherein one of the groups R_1 and R_3 is hydrogen; w is one of a group consisting of benzidine and tolidine; and u is one of a group of coupling components consisting of hydroxy benzene carboxylic acids and coupling components which are devoid of sulfonic acid groups from the group consisting of phenyl pyrazolones, aceto-acetarylides of the benzene and naphthalene series, and mono-hydroxy benzenes; the steps which comprise diazotizing a compound X→Y and coupling with Z in alkaline medium; adding to the coupling medium a diazotized primary arylamine of the benzene and naphthalene series which contains at least one sulfonic acid group, said addition being made until the excess of free compound Z in said mixture is coupled to the added diazo and the medium will give no test for uncoupled compound Z; making the coupling medium basic; and then coupling the compound X→Y→Z with a diazotized product of coupling $w \rightarrow u$.

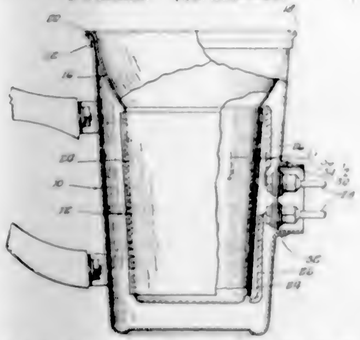
2,236,237
PISTON FOR WOBBLER ENGINES
Wichert Hulsebos, Laren, Netherlands, assignor to Naamlooze Vennootschap, Hulsemo Utrecht, Netherlands
Application April 18, 1939, Serial No. 268,476
In the Netherlands April 20, 1938
6 Claims. (Cl. 74—60)



1. A wobbler mechanism comprising a wobbler having a plurality of wobbler arms, sliders, pistons and cylinders in which said pistons are reciprocable, the end of each of the piston rods being apertured to present two substantially flat opposed surface portions perpendicular to the piston axis, which surface portions cooperate with some of the sliders which in turn are disposed in rolling contact with portions on one of said wobbler arms, said wobbler mechanism having the height of the apertured piston rod made smaller than the piston diameter and the other dimensions of the piston rod sufficiently reduced to allow said rod together with the piston body to be inserted into the cylinder in the direction of the wobbler so as to cause the apertured free end of the piston during insertion to surround an arm of the wobbler, there being a cap for clos-

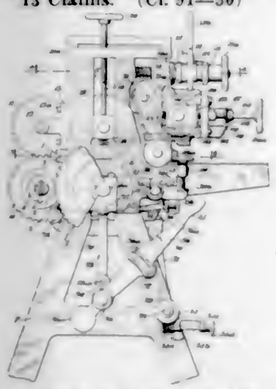
ing the aperture at the free end of the piston rod in said inserted position, bolts extending lengthwise of the piston for securing the cap to the piston rod, said cap being constructed as a cross head for rectilinearly guiding the piston, and guides for the pistons in alignment with the cylinders for cooperation with the cap.

2,236,238
HOT CUP
Herman E. Lacy, Chicago, Ill.
Application January 17, 1940, Serial No. 314,317
9 Claims. (Cl. 219—44)



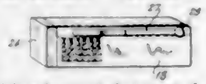
1. A self-heating cup comprising an outer shell and an inner shell positively mechanically interlocked adjacent their upper marginal rim and providing an interior sealed space therebetween, a heating element within said space, and means for releasing abnormal pressures in said space comprising a connector socket mounted in said outer shell, an outwardly projecting flange embracing said socket, and a restricted passage between said flange and socket at the upper extremity thereof, said passage being closed by relatively low-melting-point sealing material.

2,236,239
COATING MACHINE
Morris Lipton, Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application April 23, 1937, Serial No. 138,512
13 Claims. (Cl. 91—50)



1. In a machine of the class described, the combination with a roller adapted to apply a liquid coating to sheets of material, of a fountain assembly adapted to transfer the liquid material to said roller, said fountain assembly comprising a fountain roller coactable with a transfer roller which in turn is coactable with said first named roller, said fountain roller being rotatably mounted on a laterally adjustable axis and said transfer roller being rotatably mounted on a fixed axis, means for adjusting the position of said fountain roller with respect to said transfer roller, means forming a pivotal mounting for said fountain assembly, and means for holding said fountain assembly in such position that the transfer roller is maintained in suitable coacting relation with said first named roller, said last named means comprising a spring arrangement for biasing said fountain assembly in one direction, said last named means further comprising a cam arrangement for moving said fountain assembly against the force of said spring arrangement, said last named means further comprising mechanism for adjusting said cam arrangement whereby the operative position of said transfer roller with respect to said first named roller may be determined with precision.

2,236,240
COMBINATION CONTAINER AND APPLICATOR
Stanley Lowen, New York, N. Y.
Application September 7, 1939, Serial No. 293,800
12 Claims. (Cl. 132—79)



1. A combined container and applicator for cosmetics and the like, comprising a two-part case, one part being adapted to hold a supply of cosmetic or the like and being removable from the other part, and said other part constituting a cover for the most part, said cover having a longitudinal partition dividing the interior thereof into two compartments, one of said compartments being adapted to receive the supply of cosmetic when the parts are interfitted, and an applicator located in the other compartment.

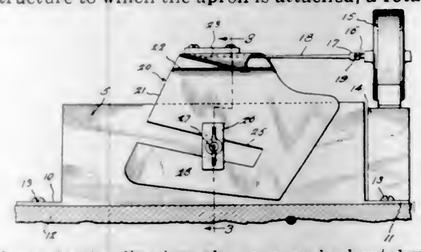
2,236,241
FISH LURE AND THE PROCESS OF MANUFACTURE THEREOF
Arthur L. Wolfe, Racine, Wis.
Application September 18, 1939, Serial No. 295,386
4 Claims. (Cl. 43—48)



1. A fish lure including a shank-like member having a foundation material adhesively bonded thereto and thereabout a saddle member bonded intermediate its ends to said foundation beneath the shank, and a body upon said foundation with the extremities of the saddle extended thereabout, said body foundation and saddle being adhesively bonded together.

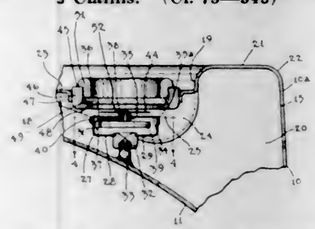
2,236,242
CURLER
Giovanni Boccafogli, New York, N. Y.
Application March 28, 1940, Serial No. 326,541
2 Claims. (Cl. 223—37)

1. A curler comprising a cone, said cone being open longitudinally and having a plate extension bent to define a depending apron, a supporting structure to which the apron is attached, a rotary



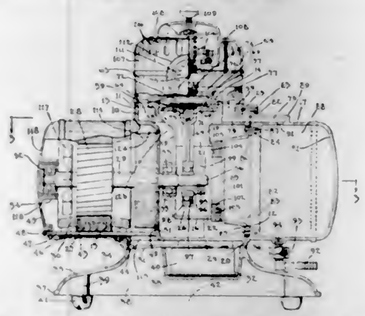
element extending into the cone, and a heat drum rising from the supporting structure and against which the cone rests.

2,236,243
THERMOMETER FOR BEER BARRELS
Richard T. Cornelius, Minneapolis, Minn.
Application April 17, 1939, Serial No. 268,277
3 Claims. (Cl. 73—343)



2. In combination, a barrel comprising a container and a shell surrounding said container and spaced therefrom, an opening in said shell, a threaded stud attached to said container opposite said opening, a thermometer insertable through said opening and into said space, said thermometer having a threaded portion adapted to be screwed on said stud, and a detachable window covering said opening.

2,236,244
MOTOR PUMP UNIT
Richard T. Cornelius, Minneapolis, Minn.
Application April 17, 1939, Serial No. 268,279
7 Claims. (Cl. 230—58)



1. In a motor pump unit, a housing, a case within said housing spaced from the walls of said housing and providing a passageway therebetween, said case having a chamber therein, a pump disposed adjacent said case and causing flow of air through said chamber, a receptacle disposed adjacent said case and carried by said housing, said receptacle having a wall spaced from one of the walls of the case, an opening in the wall of the case opposite said receptacle, a lip on said receptacle disposed opposite the opening in said case and an annular filter encircling said lip and engaging said receptacle and case and forming a filtering passageway between the passageway in said housing and the chamber within the case.

2,236,245
BREAD SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application February 12, 1940, Serial No. 318,539
21 Claims. (Cl. 146—88)

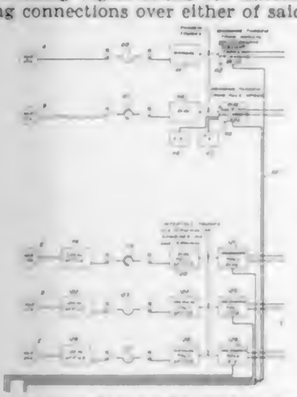


1. In a bread slicing machine, the combination with a base, of an upstanding frame united thereto, a drive shaft revolvably mounted in the frame and extending transversely of the machine, carrying a multiple-blade driving drum rigidly mounted upon the shaft, a corresponding multiple-blade carrying drum revolvably mounted in the frame and spaced from the first mentioned drum, said drums having their axes extending transversely of the machine in parallel spaced planes, a plurality of band-blades mounted in spaced relation on the drums, and means manually operable while the machine is running for varying the position of one of the drums so that its axis may stand at various acute angles to the axis of the other drum with reference to a plane projected through the axis of one drum and parallel thereto and extending through the center point in the axis of the other drum.

2,236,246
TELEPHONE SYSTEM
Gerald V. King, Chatham, N. J., and James B. McKim, New York, and Oscar Myers, Mount Vernon, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1939, Serial No. 295,010
44 Claims. (Cl. 179—27)

1. In a telephone exchange, an automatic switching toll office, a plurality of connecting offices including other toll offices and other offices within the local area of said switching toll office, two trains of automatic switches in said automatic switching toll office, one train for calls to distant toll offices and the other train for calls to offices within said local area, incoming lines from said connecting toll offices to said automatic switching toll office, lines outgoing to connecting toll offices and to said offices within said local

area, a marker common to said two trains of switches for controlling the operation of said switches, means in said marker responsive to line selection routing registrations for automatically completing connections over either of said trains



of switches in accordance with said registrations, a signaling system for signaling to the marker the location of the switches involved in a connection, and means in said marker for operating said switches.

2,236,247

BRAKE MECHANISM

Hans F. Kolb, Chicago, Ill.

Application July 14, 1939, Serial No. 284,428

12 Claims. (Cl. 188—3)



1. In a multi-unit train including a pulling unit and a following unit with a braking system on the following unit and means on the pulling unit for operating a braking system, means for connecting the brake operating means of the pulling unit with the braking system of the following unit including a pair of coupler members, automatically releasable locking means for holding said coupler members in operative engagement, each of said coupler members being connected to a corresponding one of said units, with the member connected to the following unit including a cavity extending substantially longitudinally therein, a substantially longitudinally moving member in said cavity, means operatively connected with said longitudinally moving member for automatically driving said moving member on operation of said releasable locking means to uncouple said coupling members, and means extending from said coupler member connected to said following unit for operative connection with the brakes thereon to appiy such brakes upon the movement of said longitudinally moving member in one direction.

2,236,248

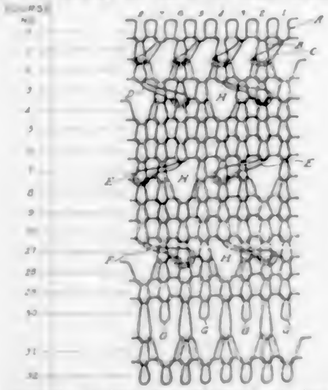
KNITTED FABRIC STRUCTURE

John D. Moyer, Milwaukee, Wis., assignor to Holeproof Hosiery Co., Milwaukee, Wis., a corporation of Wisconsin

Application August 21, 1939, Serial No. 291,113

19 Claims. (Cl. 66—172)

13. A knitted fabric structure comprising a lock stitch course followed by plain knit courses and intervening transferred stitch courses, each transferred stitch in each of said transferred



stitch courses being transferred at least two needle wales, rows of stitches paralleling wales to which stitches are transferred being dropped.

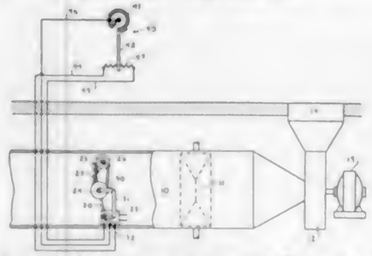
2,236,249

DAMPER OPERATING SYSTEM

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 6, 1939, Serial No. 260,122

10 Claims. (Cl. 236—1)



3. In a device for controlling the flow of a fluid medium through a conduit, a flow controlling damper, means rotatably mounting said damper within the conduit, means carried by the damper for varying the resistance to flow of fluid between one edge of the damper and the adjacent wall of the conduit whereby movement of the damper is caused by the flow of fluid, and means caused by movement of said damper for readjusting said resistance varying means so that the damper comes to rest in a new position corresponding to the original adjustment of the resistance varying means.

2,236,250

WINDOW FRAME CONSTRUCTION

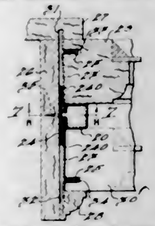
Frederick J. Robinson, Detroit, Mich.

Application May 22, 1939, Serial No. 274,917

3 Claims. (Cl. 20—12)

1. In combination with a window frame, a weatherstripping unit composed of a parting strip having a pair of longitudinal outwardly disposed slots formed therein adjacent the base thereof, ribbed weatherstripping disposed on each side of said parting strip with the inner edge thereof slidably positioned in the slots in the said parting strip, and a resilient U-shaped seal laterally

co-extensive with the base of said parting strip disposed centrally with respect to the said weatherstripping unit between said weatherstrip-



ping unit and said window frame, the outer edges of the said weatherstripping unit being retained in suitable kerfs in the blind and trim stops of the said window frame.

2,236,251

CEMENT MIX

Edward W. Scripture, Jr., Cleveland Heights, Ohio, assignor to The Master Builders Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application November 6, 1934, Serial No. 751,747

10 Claims. (Cl. 106—24)

1. A mortar or cement mix, comprising a mixture of cement and aggregate made plastic by an aqueous solution of an organic compound of the class having a long hydrocarbon chain terminated by a polar group and being of relatively low degree of unsaturation, and having the property of lowering the surface tension of water to a high degree, the ratio of the organic compound to the cement by weight being from .002% to .01%.

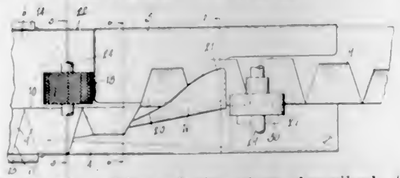
2,236,252

FOLDING MACHINE FOR BASKET FRINGE OR TRIM STRIPS AND THE LIKE

John A. Spangler, Benton Harbor, Mich.

Application September 14, 1939, Serial No. 294,790

11 Claims. (Cl. 270—93)



8. In a machine of the class described, the combination of a folder bed, a folder plate member spaced from said bed to receive work therebetween, a folder member conformed to provide a spirally positioned folding edge and a rear portion overhanging said folder plate and spaced therefrom to permit the passage of the folder portion of the work therebetween, and coacting feed rollers disposed in advance of the folder members.

2,236,253

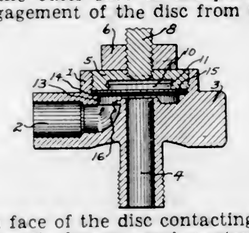
LEAKPROOF VALVE

John B. Testori, Detroit, Mich.

Application January 18, 1940, Serial No. 314,400

1 Claim. (Cl. 251—24)

In a valve structure, a body including an enlarged bowl, an inlet port leading into the bottom of the bowl at one side thereof, a centrally disposed outlet port extending downwardly from the bottom of the bowl, the upper end of the outlet port projecting above the bottom of the bowl, a diaphragm arranged in the bowl, a cap member detachably secured in the upper portion of the bowl, the bottom face of the cap member having a pocket formed therein, a flanged disc loosely mounted for vertical movement in said pocket, means at the outer face of the pocket to prevent disengagement of the disc from the pocket,



the bottom face of the disc contacting the upper face of the diaphragm, and a stem threaded through the top of the cap member and extending into the pocket for engagement with the upper face of the disc to force the central portion of the diaphragm into sealing engagement with the projected upper end of the outlet port.

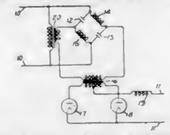
2,236,254

ELECTRIC VALVE CONVERTING APPARATUS

Clodius H. Willis, Princeton, N. J., assignor to General Electric Company, a corporation of New York

Application October 11, 1938, Serial No. 234,448

9 Claims. (Cl. 175—363)



1. The combination of an alternating potential circuit, a direct current circuit, one of said circuits having a constant current characteristic, a monocyclic network connected to said alternating potential circuit, an electric valve converting apparatus connected between said network and said direct current circuit, and stationary inductive means connected in circuit with said monocyclic network for neutralizing the harmonic components normally introduced into said alternating potential circuit.

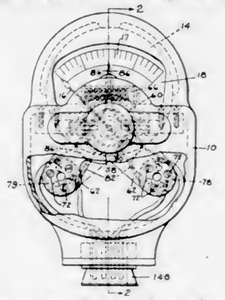
2,236,255

CONTROL UNIT

Frank A. Young, Meriden, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 15, 1938, Serial No. 190,548

12 Claims. (Cl. 250—41.5)



11. In a device of the character indicated, a

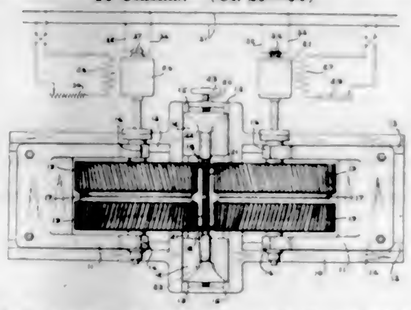
sleeve, a light source removably supported by the sleeve, an arm journalled on the sleeve, a light sensitive element carried by the arm and arranged to control an electric circuit, a movable measuring member having a shutter portion movable between said element and the light source to affect changes in light intensity received by said element, a worm wheel surrounding the sleeve and connected to the arm, and a manually operable worm meshed with said wheel for angularly positioning the arm; substantially as described.

2,236,256

APPARATUS FOR FINISHING GEAR TEETH

Arthur R. Allard, Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 13, 1938, Serial No. 245,491
10 Claims. (Cl. 29—90)



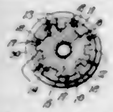
1. In a machine for burnishing a pair of toothed gear members, a frame for supporting the gear members in spaced parallel relation, a burnishing idler pinion meshing with the gear members, the length of the teeth of said idler pinion being relatively short compared to that of the teeth of said gear members, means for traversing the burnishing pinion to cause the tooth surfaces thereof to progressively engage the gear member tooth faces for the length of the latter, a closed transmission system including said gear members and the burnishing pinion, means for energizing said system to effect rotation of said gear members and the pinion, and means for adjusting said transmission system to provide for an opposed torque relation of the gear members to develop the required burnishing pressure.

2,236,257

COMMUTATOR

Alvin Carl Borchers, Elyria, Ohio, assignor to General Industries Company

Application March 23, 1938, Serial No. 197,653
10 Claims. (Cl. 171—321)



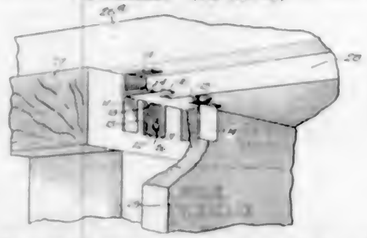
9. An article of manufacture, a commutator comprising a generally cylindrical body of insulating material, a generally cylindrical outer shell encircling said body in circumferentially spaced relation, said shell composed of a mixture of molded copper and graphite powder, a plurality of radially inwardly extending lugs on the shell inner walls embedded within the body of insulating material, said shell having been divided intermediate the spaced lugs to provide anchored individual insulating commutator bars.

2,236,258

CLIP FOR WALL CONSTRUCTION

Harry H. Burson, Chicago, Ill., assignor to Norman C. Spong, Chicago, Ill.

Application August 4, 1939, Serial No. 288,323
4 Claims. (Cl. 20—4)



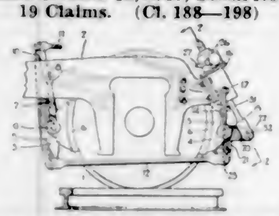
1. In a wall corner construction, the combination of two clips each consisting of a body portion having along one of its edges a pair of channel forming tongues extending in right angular relation to the body at the edge thereof and an intermediate attaching tongue offset with respect to the edge of the body and standing in right angular relation to the plane of the body and provided with a nailing aperture, and the body along its opposite edge having an apertured nailing tongue extending outwardly substantially within the plane of the body and having channel forming tongues extending at right angles to the plane of the body to combine in affording a channel, the two clips being associated to bring the offset attaching tongue of one of the clips into register with the last described attaching tongue of the companion clip and in overlying relation thereto, a single nail entered through the registering nailing apertures for uniting the two clips in conjunction to a structural element and holding the companion clips in position to afford channels presented at right angular relation to one another, and wall board sections entered into the channels thus provided to form a corner.

2,236,259

BRAKE MECHANISM

Mortimer B. Cameron, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 31, 1939, Serial No. 302,151
19 Claims. (Cl. 188—198)



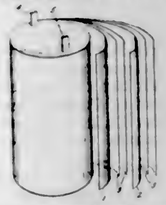
1. A lever means for a brake rigging comprising a pair of rigid power transmitting members constituting lever arms of said lever means, means providing a rockable connection between said members, slack adjuster means connected to one of said members at a point spaced from said rockable connection, and means responsive to a change in slack in said brake rigging for operating said slack adjuster means to rock one of said members relative to the other to compensate for such change in slack.

2,236,260

ELECTRICAL CAPACITANCE DEVICE

Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application February 15, 1935, Serial No. 6,625
7 Claims. (Cl. 175—41)



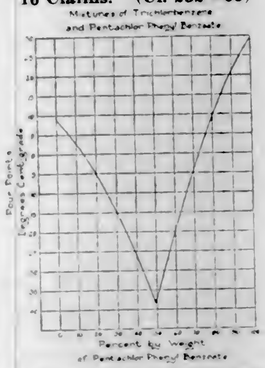
3. A capacitor comprising cooperating armatures and an interposed dielectric material consisting of porous paper which is impregnated with xylenol.

2,236,261

DIELECTRIC AND COOLING COMPOSITION

Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application October 23, 1937, Serial No. 170,713
16 Claims. (Cl. 252—65)



1. A liquid halogenated composition containing liquid benzoate ester and chlorinated benzene the proportion of each of said ingredients being sufficiently great to cause said composition to have a materially lower crystallizing temperature than the constituents thereof.

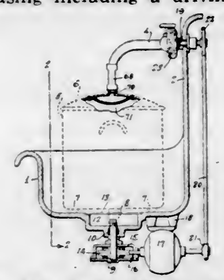
2,236,262

DISHWASHING APPARATUS

Clement Ehret, White Plains, N. Y.

Original application January 9, 1937, Serial No. 119,775. Divided and this application October 15, 1937, Serial No. 169,160
1 Claim. (Cl. 141—9)

In an assembly of the character described, a sink comprising a basin having a substantially flat bottom, and upstanding walls at the front, sides and back thereof, a power shaft projecting into accessible position within the confines of said basin, a separate complete dishwasher casing of greater depth than the depth of the basin, removably seated within said basin and projecting above the front and side walls thereof and extending appreciably above the confines of the basin, complete dishwashing means housed within said casing including a driving shaft accessible from the exterior of the casing, and means detachably connecting the driving shaft of the casing to the power shaft of the basin to operate the washing means within the casing from said power shaft.

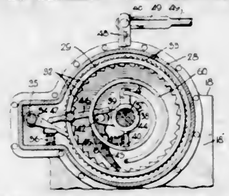


2,236,263

SLACK ADJUSTING APPARATUS

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 31, 1939, Serial No. 302,139
16 Claims. (Cl. 188—202)



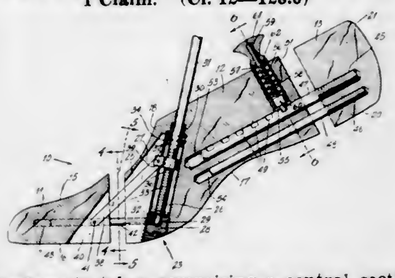
1. In a slack adjusting apparatus for a vehicle brake rigging, a slack take-up mechanism, spring means adapted when torsioned to drive said mechanism, and means remotely located from said mechanism operative by the brake rigging for controlling the torsioning of said flexible means, said slack take-up mechanism being movable bodily relative to said means and said spring means being yieldable to such movement.

2,236,264

SHOE STRETCHER

Floyd N. Hall and William Gray, St. Louis, Mo.

Application April 26, 1939, Serial No. 270,056
1 Claim. (Cl. 12—128.6)



A shoe stretcher comprising a central section, elongated recesses extending thereinto from the rear end thereof, a vertically disposed aperture

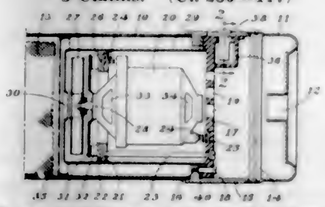
in said central section opening into one of said recesses and leading from the top thereof, a rear section, a latch rod fixed to said rear section having transverse slots, a guide rod fixed to said rear portion, said latch rod extending into said one of said recesses and said guide rod extending into the other recess, and a spring-urged plunger within the vertical aperture engaging a slot of the latch rod, whereby the position of the rear section may be adjusted relative to the central section.

2,236,265

VACUUM CLEANER

Erik Oskar Helge Hansson and Axel Albert Forsberg, Stockholm, Sweden, assignors to Electrolux Corporation, New York, N. Y., a corporation of Delaware

Application September 19, 1938, Serial No. 230,606
In Sweden October 20, 1937
3 Claims. (Cl. 230—117)



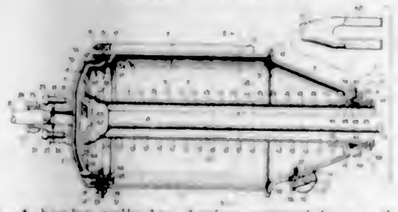
1. A vacuum cleaner including a casing, a wall of non-metallic material secured within said casing, a housing secured to said wall and extending within said casing, a ring located within said housing and secured to said wall in spaced relation thereto, and a motor-fan unit resiliently secured to said wall and said ring within said housing.

2,236,266

BRAKE CYLINDER

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 20, 1938, Serial No. 209,024
2 Claims. (Cl. 309—2)



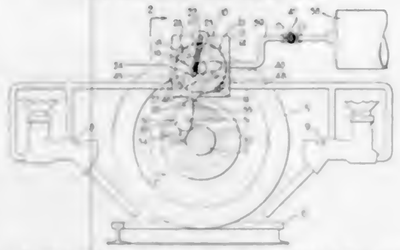
1. A brake cylinder device comprising a sheet steel tubular casing, a sheet steel pressure head at one end of said casing, a non-pressure head formed of sheet steel secured to the opposite end of said casing, an annular outwardly extending flange provided on each of the adjacent ends of said casing and non-pressure head, the perimeter of each of the two flanges being polygonal in shape, a lip projecting from the perimeter of one of said flanges over the other of said flanges providing a recess for receiving the said other flange for centering said non-pressure head with said casing, a pair of oppositely disposed mounting brackets for said brake cylinder device secured to opposite sides of said casing, each of said brackets having a bolting flange and a mounting surface on said flange, the mounting surface of the two flanges being included in a plane extending parallel to the axis of said casing and parallel to one of the flat sides of the perimeter of the flange on said casing, a lubricating boss secured to said casing adjacent said pressure head and within a space between said brackets and said plane, another lubricating boss secured to a substantially diametrically opposite portion of said casing, each of said bosses and said casing having cooperating passageways for conveying lubricant to the interior of said casing, and a removable plug secured to each boss for closing the passageway therein.

2,236,267

DIRECTIONAL CONTROL OF SANDING

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 31, 1939, Serial No. 276,543
13 Claims. (Cl. 291—5)



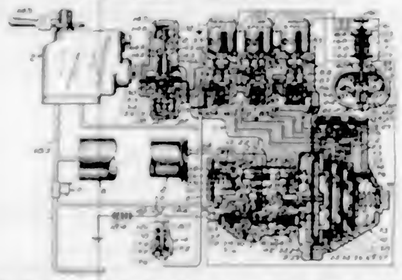
1. A rail sanding equipment adapted for association with a vehicle wheel, comprising a pair of fluid pressure operated sanding devices disposed at diametrically opposite sides of the wheel, selector valve means controlling a communication through which fluid under pressure may be supplied to either of said sanding devices while the other sanding device is isolated, and directional control means automatically operative in accordance with the direction of movement of the vehicle wheel for operating said valve means to establish said communication to the sanding device in advance of the wheel.

2,236,268

FLUID PRESSURE BRAKE MEANS

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 30, 1939, Serial No. 306,893
17 Claims. (Cl. 303—21)



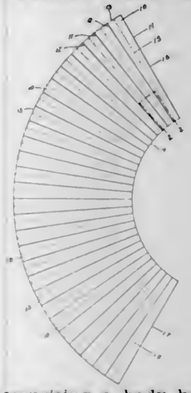
1. In a vehicle brake system, in combination, means having a plurality of chambers, valve means operative in accordance with variations in fluid pressure in said chambers for controlling the degree of brake application on the vehicle, supply means for supplying fluid under pressure for effecting an application of the brakes on the vehicle, pressure limiting means for supplying fluid from said supply means at a pressure which is less than supplied by said supply means, and means controlled by a variable operating condition of the vehicle for selectively connecting, in accordance with changes in said operating condition, one or more of said chambers to said supply means and the other chamber or chambers to said pressure limiting means.

2,236,269

SKIRT

Etta Marcus Horblit, Roxbury, Mass.

Application November 10, 1938, Serial No. 239,848
1 Claim. (Cl. 2—211)



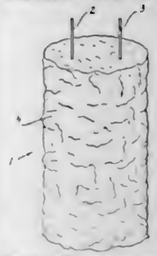
A skirt comprising a body having concentric upper and lower arcuate edges and consisting of a plurality of radial gores gradually reduced in width towards their upper ends and having their side edge portions stitched together to form inwardly extending seams, the inwardly extending portions of said seams being slit transversely in spaced relation to their upper ends to provide flaps folded flat against the upper portions of the gores, each gore being creased outwardly and stitched to form an outstanding tuck extending longitudinally thereof from the lower end of the gore, all of said tucks terminating substantially even with the lower ends of said flaps to provide the skirt with a smooth upper portion, the side edges of said body being adapted to be secured together to form the skirt.

2,236,270

ELECTROLYTIC CONDENSER

Jacob Katzman, Brooklyn, N. Y., assignor to Nova Electric Corporation, New York, N. Y., a corporation of New York

Application October 18, 1937, Serial No. 169,688
3 Claims. (Cl. 175—315)



1. The method of manufacturing an electrolytic condenser which comprises forming the condenser with electrodes containing a viscous electrolyte layer therebetween and subjecting the condenser for a short interval to a temperature substantially in excess of that at which the electrolyte is prepared, to produce a protective crust only at the outer sections of the condenser.

2,236,271

METHOD OF PREPARING SHEET OR FILM MATERIAL

Edouard M. Kratz, Ogden Dunes, Ind., assignor to Marbon Corporation, a corporation of Delaware

No Drawing. Application October 24, 1935, Serial No. 46,495
3 Claims. (Cl. 106—38)

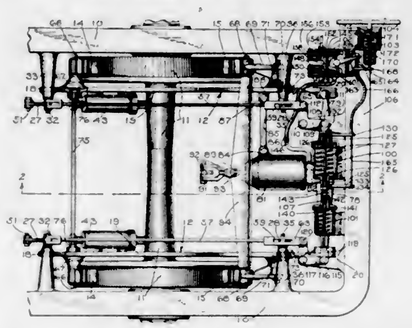
1. The method of making a composition suitable for the production of transparent, flexible sheets or films which comprises washing casein at a pH of 4.6 to 5.0 to free the casein from water soluble substances, reacting the purified casein in an aqueous medium with triethanolamine to form a solution of triethanolamine caseinate, filtering the solution and adding a plasticizer and an insolubilizing agent to said solution.

2,236,272

BRAKE MECHANISM

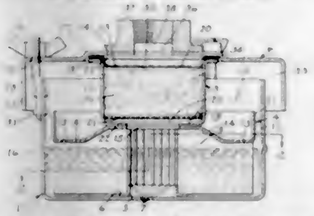
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 31, 1939, Serial No. 302,141
14 Claims. (Cl. 188—181)



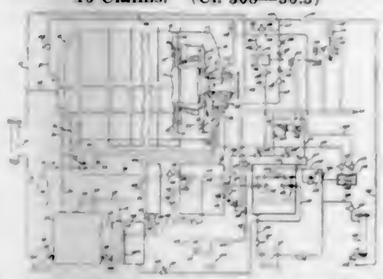
11. In a brake mechanism for a wheel of a railway truck having a spring supported frame, in combination, a brake carrier member, a pair of brake shoes journaled thereon and operatively aligned with one peripheral side of said wheel, brake lever means pivotally connected to said carrier member and disposed substantially tangential of the wheel, a pair of brake shoes mounted on said brake lever means and operatively aligned with the other side of said wheel, fluid pressure operated brake cylinder means connected to said brake lever means and operative to cause said two pairs of brake shoes to clasp said wheel in braking relation therewith, torque responsive brake controlling valve means operative to effect supply and release of fluid under pressure to and from the brake cylinder means, and linkage mechanism operatively carried by the truck frame and supporting said carrier member and brake shoes for transmitting forces, resulting from braking torque produced during application of the brakes, to said torque responsive brake controlling valve means.

2,236,273
AIR STRAINER
Richard L. Nash, Franklin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 15, 1939, Serial No. 256,410
2 Claims. (Cl. 183—15)



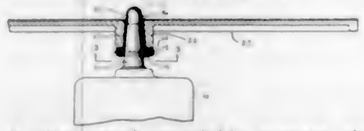
1. In an air cleaning device, in combination, a casing having an inlet passage, an outlet passage and a liquid containing sump at the bottom thereof, means in the form of a pan adapted to be kept moist with liquid from said sump and disposed in said casing above the static level of liquid in the sump and forming therebetween an air chamber and comprising an upstanding annular flange which together with the casing defines an air duct therebetween through which incoming air may flow to said chamber, said flange being constructed and arranged to direct the flow of at least part of the incoming air across the surface of the pan before it flows through said duct, a plurality of radially spaced plates disposed in said chamber and extending into said sump and also being adapted to be kept moist with liquid from said sump, a fibrous straining medium disposed in a chamber above said pan and in advance of said outlet passage, said pan, plates and straining medium being so arranged as to cause air entering said inlet passage to first flow at least in part across the surface of said pan and to then flow in a single annular path through said duct to the chamber between the liquid level and the under side of said pan and then in a plurality of paths between said plates and finally in a single path upwardly through and in contact with said fibrous straining medium to said outlet passage.

2,236,274
LIQUID FILM SEAL
Chester W. Rice and De Witt S. Snell, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application June 25, 1938, Serial No. 215,793
16 Claims. (Cl. 308—36.3)



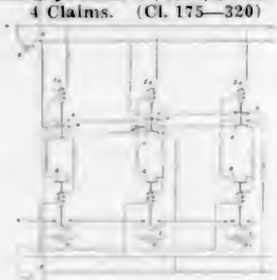
1. A machine provided with a gas filled enclosing casing and a rotatable member having a shaft extending through said enclosing casing, means for providing a seal about said shaft and for preventing the escape of gas from said enclosing casing, means for supplying sealing liquid under pressure to said seal, means including a drain associated with said seal for removing excess sealing liquid therefrom, means including a tank connected to said drain for liberating the gas entrained in the sealing liquid removed from said seal, said drain being employed to return liberated gas from said tank to said enclosing casing, and means responsive to failure of said sealing liquid supply means for supplying lubricant to said seal.

2,236,275
PHONOGRAPH MECHANISM
Russell H. Rich, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application December 18, 1937, Serial No. 180,542
8 Claims. (Cl. 274—39)



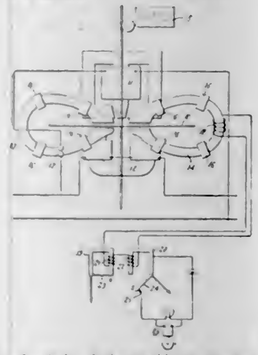
6. A phonograph turntable support element adapted to be interposed between a vertically disposed driving shaft having a supporting element rotatable therewith and a turntable having a downwardly projecting hub, said support element being formed of cushioning material having electrical insulating properties and comprising a portion of inverted cup form for telescopingly and tightly engaging the shaft, and a radial flange extending from the lower portion of the support element for disposition between the supporting element and the lower face of the hub, to electrically insulate the tip portion of the shaft and cushion the turntable from the shaft.

2,236,276
SEQUENCE CONTROL SYSTEM
Clyde E. Stewart, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application September 16, 1939, Serial No. 295,292
4 Claims. (Cl. 175—320)



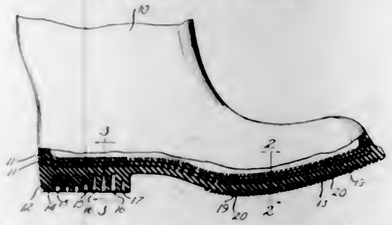
1. In combination with a plurality of electroresponsive devices and two control switches, an arrangement for energizing said devices in a predetermined order in response to successive operations of one of said control switches and for deenergizing said devices in the reverse order in response to successive operations of the other control switch including a control relay associated with each of said devices, means for energizing each device except the first to be energized in said predetermined order in response to the operation of said one of said control switches only when the associated control relay is in its normal position and the control relay associated with the preceding device in said predetermined order is in its operated position, means for moving each control relay to its operated position in response to the next restoration of said one of said control switches to its normal position after the associated device has been energized, means for de-energizing each device except the last to be energized in said predetermined order in response to the operation of the other of said control switches only when the associated control relay is in its operated position and the control relay associated with the succeeding device in said predetermined sequence is in its normal position, and means for restoring each control relay to its normal position in response to the next restoration of said other of said control switches to its normal position after the associated device has been de-energized.

2,236,277
PROTECTION OF PERMANENT MAGNETS IN METERS
George R. Sturtevant, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application April 14, 1939, Serial No. 267,827
5 Claims. (Cl. 177—311)



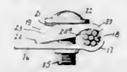
1. In an electric integrating meter, a rotary armature of conducting material, a permanent magnet for producing a constant damping flux through said armature and a closed circuit of conducting material about said permanent magnet in which a current will be induced by demagnetizing flux changes in said magnet and means responsive to the flow of current in said circuit for indicating the occurrence of a demagnetizing flux change.

2,236,278
ANTISKID FOOTWEAR TREAD
Nelson E. Tousley, Waban, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 9, 1939, Serial No. 260,753
6 Claims. (Cl. 36—59)



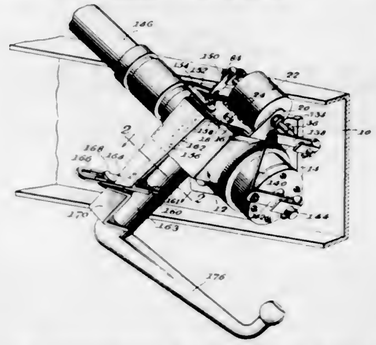
1. A footwear tread having groups of ribs of flexible material in the face thereof separated by grooves, the ribs of alternate groups being separated by grooves of less depth and providing greater stability of the ribs of these groups than the ribs of the intervening groups, and said intervening groups having more ribs than said alternate groups.

2,236,279
ELECTRIC TERMINAL DEVICE
Fred G. von Hoorn, Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application April 19, 1939, Serial No. 268,799
7 Claims. (Cl. 173—259)



1. An electric terminal device comprising a terminal strip having an in-curved transverse jaw, a clamping member having a complementally curved transverse jaw and an apertured dish-shaped body portion, said clamping member being reversible with respect to said terminal strip and arranged in one position to bear pivotally on said terminal strip to secure a substantially straight conductor between said jaws and in an inverted position to secure a looped conductor in said dish-shaped body portion, and fastening means for holding said clamping member in engagement with said terminal strip.

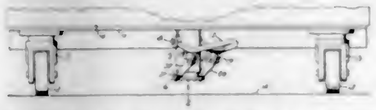
2,236,280
DRIVE FOR SIGNAL SWITCHES
Paul Weien, Marietta, Pa., assignor of one-half to Henry S. Rich, Jr., Marietta, Pa.
Application November 22, 1939, Serial No. 305,638
5 Claims. (Cl. 200—59)



1. The combination with a steering gear housing assembly in an automotive vehicle including a trunnion shaft of which an end projects from one end of said housing, and a signal switch adjacent the other end of said housing and having a rotatable actuator shaft of a driving connection between said actuator shaft and trunnion shaft end such that the former is rotated in opposite directions on rotation of the latter in opposite directions, said connection including another rotatable shaft parallel to the trunnion shaft. and drivingly connected with said actuator shaft at a substantially uniform speed ratio, and motion-transmitting elements between said other shaft and trunnion shaft end so cooperating that said other shaft is rotated in either direction from a position corresponding to a

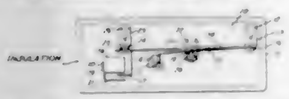
straight direction of movement of the vehicle at an angular speed which is greater than that of said trunnion shaft and decreases gradually.

2,236,281
ANCHOR MECHANISM
Robert G. Anderson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application February 7, 1940, Serial No. 317,785
6 Claims. (Cl. 188—5)



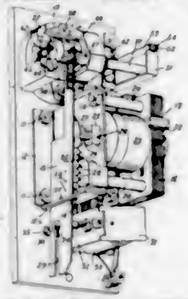
1. An anchor mechanism adapted to be secured to a movable body and to be extended into engagement with a stationary body to prevent relative movement between the movable and stationary bodies, said mechanism comprising a base member and a first movable member, said base member constituting a guide for said first movable member, a second movable member, said first movable member constituting a guide for said second movable member, a foot on said first movable member for engaging the stationary body, a first spring for retaining said first movable member in a retracted position with respect to said base member, a toggle mechanism pivotally secured to said first movable member and to said second movable member for moving said first movable member out of its retracted position against the force of said spring, and a second spring arranged between said base member and said second movable member for limiting the force exerted by said foot against the stationary body by operation of said toggle mechanism.

2,236,282
CONTROLLER
Edgar H. Ayers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 28, 1938, Serial No. 204,804
12 Claims. (Cl. 200—122)



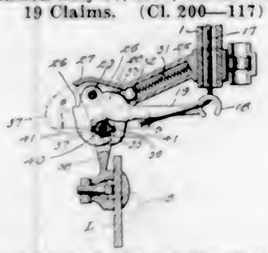
12. A thermo-responsive device comprising a bimetallic strip fixed at one end having a movable starting contact secured to an intermediate portion of said strip and a movable overload contact secured to the free end of said strip, a pair of stationary contacts in respective normal engagement with said movable contacts in a first position when said strip is in an undeflected position, a heater element for heating said strip, said strip normally seeking to deflect laterally in a positive direction throughout its length upon being heated, and magnetic means for restraining said free end of said strip in said first position for holding said overload contacts in engagement during a predetermined deflection of said strip and thereby causing said intermediate portion of said strip to deflect in a negative direction for disengaging said starting contacts, said magnetic means being adapted to snap said free end of said strip to a second position in a positive direction for disengaging said overload contacts upon a further deflection of said strip while said intermediate portion of said strip is caused to retain its negative deflection for holding said starting contacts in disengagement.

2,236,283
TIME DELAY DEVICE
Edgar H. Ayers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 16, 1939, Serial No. 295,314
7 Claims. (Cl. 200—97)



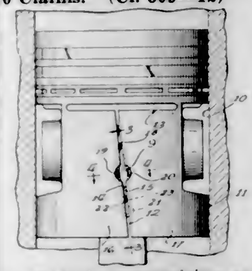
1. A time delay device comprising a base, switching means including an electrical switch mounted on said base, a driving motor supported by said base, guide and support means on said base including a bracket provided with a slot, a rack arranged for longitudinal movement by said motor and having a portion slidable in said slot during said movement, a lost motion connection between said rack and said switch including a projection on one of said parts whereby said switch is operated by said rack after a predetermined movement thereof, said projection serving as a pivot about which said rack is movable into and out of operating relation with said motor, means including a magnetic armature for pivoting said rack, said slot in said bracket being arranged for guiding said rack during the pivotal movement thereof into said operating relation with said motor and during the longitudinal movement of said rack.

2,236,284
FUSE CARTRIDGE
Henry W. Bodendieck, Taylorville, Ill., assignor to A. B. Chance Co., Centralia, Mo., a corporation of Missouri
Application May 27, 1937, Serial No. 145,134
19 Claims. (Cl. 200—117)



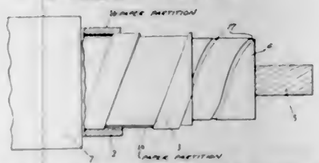
7. In a fuse cartridge of the fuse throw-out type, the combination of a hollow tubular member of insulating material having a metallic fitting at one end provided with means for securing one end of a fuse link, with a fuse link throw-out mechanism carried by the other end of said insulating tube, comprising a metal member having means for attachment to said insulating tube and having a laterally extending arm, said arm pivotally supporting a throw-out lever, and said arm and lever being proportioned in length to locate the free end of the throw-out lever adjacent the end of said insulating tube, means carried by the free end of said throw-out lever for holding a fuse link in engagement with the lever when the link is tensioned, means for securing the end of a fuse link to the throw-out lever mechanism, spring means acting between said lever and arm for biasing said lever in a direction to tension the fuse link in said tube, and stop means carried by said arm and lever for limiting the outward pivotal movement of said lever to a position extending longitudinally of said tube away from said metallic fitting to prevent said lever from whipping the end of a fuse link backward against said fitting.

2,236,285
PISTON EXPANDER
Claud C. Craven, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application February 7, 1940, Serial No. 317,705
10 Claims. (Cl. 309—12)



1. A piston expander comprising an integral member having a pair of longitudinally extending legs of resilient metal stock, each of said legs being provided with a centrally located and laterally projecting supporting lug adapted to extend into an aperture bored in a piston at the skirt slot and having sharp points for engaging the opposite sides of said aperture, the said legs being of substantially elliptical shape and being oppositely curved.

2,236,286
ELECTRIC CABLE
Percy Dunsheath, Sidcup, Kent, England, assignor to Commercial Secretaries Limited, London, England, a British company
Application May 24, 1938, Serial No. 209,824
In Great Britain June 2, 1937
2 Claims. (Cl. 174—12)



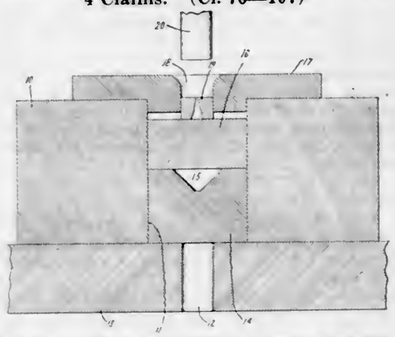
1. A high voltage electric cable having a conductor, a body of dielectric material surrounding the conductor, said body being impregnated with material which is liquid under all working conditions of the cable, spacing means on the outside of said body and a sheath, surrounding said body and spacing means and forming therewith a helical duct, a liquid impregnant and free gas under pressure substantially above atmospheric in the duct and gas also in solution in the impregnant, and a partition in said duct, dividing it into two concentric portions, the partition being formed of material which is permeated only slowly by the impregnant and by the gas.

2,236,287
METHOD OF AND APPARATUS FOR MEASURING SURGES
Robert F. Edgar, Pattersonville, N. Y., assignor to General Electric Company, a corporation of New York
Application November 29, 1939, Serial No. 306,693
11 Claims. (Cl. 175—183)



1. The method of determining the steepness of wave-front of a non-recurring voltage surge on an electrical conductor, which comprises deriving a current proportional to the rate of change of said voltage surge with respect to time, and then measuring the maximum value of said current.

2,236,288
METHOD FOR MAKING WIRE DRAWING DIES
Edgar W. Engle, Grosse Pointe Park, and Hershel B. Duncan, Detroit, Mich., assignors to Carboloy Company, Inc., Detroit, Mich., a corporation of New York
Application April 4, 1940, Serial No. 327,810
4 Claims. (Cl. 76—107)

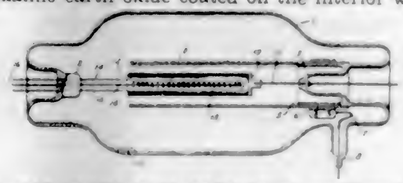


1. The method of making a wire drawing die which comprises heating a steel casing slug to a forging temperature, placing said slug in a forging die and on top of a base plate having a depression therein, positioning a cored nib on said slug and in alignment with said depression and applying pressure to said nib to force the nib completely into the heated slug and the excess metal in said slug into said depression to thereby limit the flow of metal into the opening in the nib.

2,236,289
THERMIONIC DEVICE
Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 23, 1926, Serial No. 156,713
14 Claims. (Cl. 250—27.5)

14. An electrical discharge device comprising a sealed envelope containing electrodes including an anode, a thermionic cathode and an interposed discharge-controlling electrode, said thermionic cathode having a cavity of large internal

surface provided with a relatively small opening for the passage of electrons from the interior of said cavity to said anode to maintain the discharge between said cathode and anode, and an alkaline earth oxide coated on the interior walls



of said cavity, said walls being positioned in shielding relation to one another, a resistance heater positioned in said cavity and an attenuated gas in said envelope at a pressure sufficiently high to neutralize space charge.

2,236,290

THERMIONIC CATHODE

Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application October 15, 1927, Serial No. 226,275. Divided and this application August 1, 1933, Serial No. 683,143. Renewed March 24, 1937

11 Claims. (Cl. 176—126)



1. A thermionic electron emitter comprising a cylindrical cathode, filamentary means for indirectly heating the cathode, positioned along the longitudinal axis of the cathode, and cathode shielding means comprising a cylindrical metallic envelope concentric with the heater and within the cathode, said shielding means being electrically connected with the means for heating the cathode.

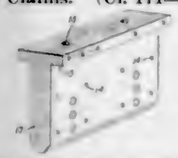
2,236,291

DYNAMOELECTRIC MACHINE

Charles E. Kilbourne, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 17, 1939, Serial No. 304,973

7 Claims. (Cl. 171—252)



2. In a dynamoelectric machine, a pole piece including a plurality of laminations, and means including a weld between adjacent laminations extending therethrough at a point removed from the outer edges thereof for securing together said laminations.

2,236,292

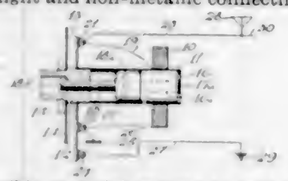
PERMEABILITY-TUNED WAVE TRAP AND CORE CONSTRUCTION THEREFOR

Martin J. Kirk, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application April 14, 1938, Serial No. 201,915

8 Claims. (Cl. 171—242)

1. In combination, a tubular core of magnetic material, an operating rod spaced from said core, and a straight and non-metallic connecting mem-



ber of flexible material secured to said core and to said rod and extending in compressed condition into the hole in said core.

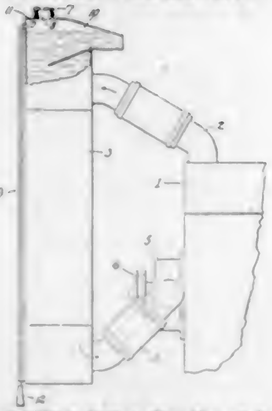
2,236,293

CONTROLLING DEVICE FOR THE ENDS OF DISCHARGE PIPES

James K. Lund, Oak Park, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application April 4, 1938, Serial No. 199,761

2 Claims. (Cl. 123—174)



1. A controlling device for the end of a discharge pipe for automobile radiators, comprising a valve device adapted to be connected with the end of the pipe, said valve device comprising a hollow member of elastic material having an open end with which the pipe is connected and having a discharge slit at the other end which is normally closed, means for maintaining said slit closed to hold overflow of liquid from the radiator in said pipe, a second slit in the elastic material of said hollow member located above the first mentioned slit, the first mentioned slit opening when there is abnormal pressure in the radiator to relieve such abnormal pressure, the second slit opens when there is a reduced pressure in said radiator to relieve such reduced pressure.

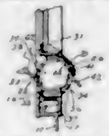
2,236,294

VENTILATOR

Victor S. Lundell, Jamestown, N. Y.

Application March 1, 1939, Serial No. 259,185

5 Claims. (Cl. 98—96)



1. In a window structure having a frame and panel, a ventilator comprising a frame engaging member, said member cooperating with said frame to bound said panel and having a ventilating opening therein, a rotatable member mounted in said opening, the ends of said rotatable member being recessed and receiving corresponding portions of the frame engaging member to provide relative pivotal movement of the members, said rotatable member including spaced elements adapted, when said ventilator is closed, to provide inner and outer closures for said opening.

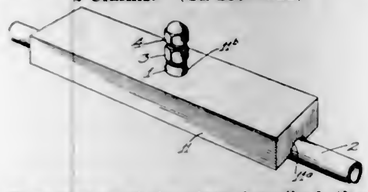
2,236,295

PIPE LOCATING AND PROTECTING MEANS

John Frederick Mahlstedt, Los Angeles, Calif.

Application July 1, 1938, Serial No. 217,101

2 Claims. (Cl. 137—111)



1. In a means of the class described, the combination with a round underground pipe having an underground upwardly projecting outlet, of a wooden board having a transverse hole intermediate its ends and a longitudinal groove at its underside, said board being laid horizontally and loosely over said pipe with said outlet projecting through said hole and said pipe fitting in said groove.

2,236,296

WETTING AND DISPERSING AGENT

Arthur Minich, Irvington, and Herman Levinson, Elizabeth, N. J., assignors to Nuodex Products Co., Inc., a corporation of New York

No Drawing. Application March 16, 1938, Serial No. 196,150

2 Claims. (Cl. 134—57)

1. A modifying composition for paints, varnishes, lacquers, enamels, inks and pigments consisting of a non-aqueous homogeneous solution of at least one substantially water-insoluble neutralization product and at least one substantially water-soluble neutralization product, the water-insoluble neutralization product being formed by the interaction of at least one acid selected from the group consisting of naphthenic acid, linoleic acid, oleic acid, abietic acid, benzoic acid, furoic acid, salicylic acid, isopropyl-methyl-endoethylene-tetrahydro phthalic acid, with at least one acid neutralizing agent selected from the group consisting of cobalt, manganese, lead, nickel, iron, mercury, copper, zinc, barium, cadmium, calcium, chromium, cerium, magnesium, strontium and tin, and the water-soluble neutralization product being formed by the interaction of at least one acid selected from the group consisting of naphthenic acid, linoleic acid, oleic acid and abietic acid, with at least one acid neutralizing agent selected from the group consisting of sodium, potassium, lithium and ammonium.

2,236,297

TRAFFIC SIGNAL TIMER

Ralph A. Reid, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application October 15, 1936, Serial No. 105,684

Renewed June 7, 1940

4 Claims. (Cl. 74—568)

1. A cam for a drum controller comprising a disk of frangible insulating material including a hub, a rim having a width less than said hub, a web portion which is narrower than said rim section between said hub and said rim, and slots



extending through said rim portion into said web portion whereby said rim is divided into sections and said sections are solely supported by said web section.

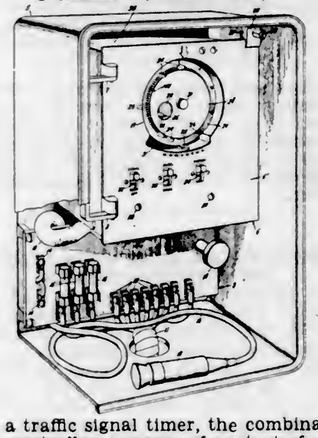
2,236,298

TRAFFIC SIGNAL CONTROLLER

Ralph A. Reid, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application April 23, 1938, Serial No. 203,888

8 Claims. (Cl. 177—337)



1. In a traffic signal timer, the combination of a drum controller, a group of contacts for traffic signal circuits operated thereby, a dial, means for rotating said dial continuously, means for intermittently operating said drum controller in response to the continuous movement of said dial, means for maintaining synchronism between said drum controller and said dial comprising a synchronizing circuit including a switch opened by said drum when the latter is in a position to energize the right of way signals to the most important of a plurality of intersecting highways, and a second switch actuated by the dial to close the synchronizing circuit in shunt to said drum-operated switch when said dial reaches a predetermined corresponding position in the timer, a secondary signaling device, means for simultaneously energizing said secondary signal device and making ineffective the dial-operated switch in said synchronizing circuit whereby said drum moves until it breaks its dial synchronizing circuit and resumes operation from that position when said last-mentioned means is operated to deenergize said secondary signal device and simultaneously to make effective the said dial-operated switch.

2,236,299

TRAFFIC SIGNAL CONTROLLER

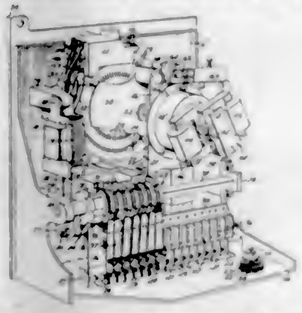
Ralph A. Reid, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Original application April 23, 1938, Serial No. 203,888. Divided and this application March 21, 1940, Serial No. 325,137

21 Claims. (Cl. 200—27)

3. In a traffic signal timer, the combination of

a panel, an opening therein, a dial mounted in said opening, a motor arranged to rotate said dial, a group of switch contacts operated by said dial mounted on the back of said panel above said dial, a drum controller provided with a cam shaft mounted horizontally below said dial, a solenoid



mounted on said panel and provided with a movable plunger, means connecting the plunger to said cam shaft, electric conductors connecting said solenoid to said dial-operated contacts, and a second group of contacts operable by said cam shaft mounted on said panel below said drum controller.

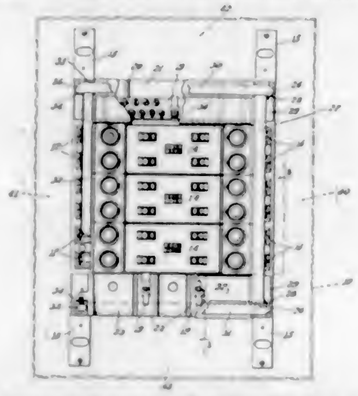
2,236,300
COP WINDING MACHINE WITH INDEPENDENT WINDING POINTS
Wilhelm Reiners, Walter Reiners, and Gustav Kahlisch, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany
Application May 13, 1939, Serial No. 273,478
In Germany May 20, 1938
4 Claims. (Cl. 242—35.5)



1. In combination with a winding unit including a spindle adapted to wind cops on tubes, tube-supplying means comprising a transfer device; a conveyor having means for carrying tubes to said transfer device; said transfer device being movable between three main positions, namely, receiving position, intermediate position and tube-donning position; means whereby said conveyor moves said transfer device from receiving position to intermediate position on supplying a tube thereto; means operable by the winding unit for moving said transfer device from intermediate to donning position, and back to intermediate position; and means whereby said conveyor moves the transfer device, after its return to intermediate position from intermediate position to receiving position.

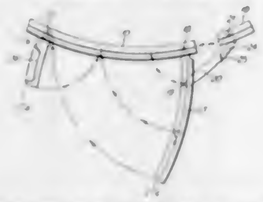
2,236,301
PANEL BOARD CONSTRUCTION
Henry A. Samer, Ludlow, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application June 17, 1939, Serial No. 279,597
5 Claims. (Cl. 175—308)

1. The combination with a metal box, of a panel frame mounted therein, branch panel units on said frame spaced from the sides of said box to provide gutters, terminals on a plurality of sides of said panel frame adapted for connection to conductors having end portions within said gutters, a plate hinged adjacent a side of said box for closing the front thereof at least over said gutters, a barrier extending from adjacent the front plate when closed inwardly of



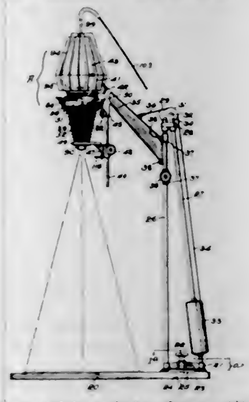
said box to adjacent said terminals and extending along one side of said frame and units and also along at least a portion of each of the adjacent sides on said frame and units, said barrier being pivotally secured to said panel frame on opposite sides thereof and between said units and front plate with the pivotal axis extending across said box.

2,236,302
CONTAINER
Harry A. Scott, Van Wert, Ohio, assignor to Hans A. Eggerss, Van Wert, Ohio
Application June 19, 1939, Serial No. 279,925
3 Claims. (Cl. 220—61)



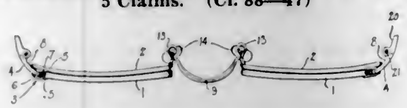
1. A split ring adapted to be applied to a container or similar article, said split ring having ends which are adapted to be disposed adjacent each other when in contracted condition, means for contracting and expanding said ring, said means comprising a lever pivoted to one end of said ring, a link pivoted to the other end of said ring and to said lever intermediate its ends, means for locking said lever after it has been moved inwardly into its final position, said means comprising a second lever pivoted to said ring adjacent the free end of said first lever, the pivoted end of said second lever comprising a cam eccentrically rotatable on said pivot, the adjacent free end of said first lever having a projection which in operative position substantially contacts said cam, said projection and said cam cooperating to aid in moving into final locking position said first lever as said second lever is moving into its final position.

2,236,303
PHOTOGRAPHIC PRINTER FOR RESTITUTIONAL, ENLARGING, AND OTHER PURPOSES
Clifton R. Skinner and Frederick P. Willcox, San Francisco, Calif., assignors to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application November 25, 1939, Serial No. 306,042
24 Claims. (Cl. 88—24)



3. A photographic printer for restitutional, for enlarging, and for other photographic printing purposes, having in combination; a light source, a lamp house therefor, light-modifying means mounted at one end portion of said lamp house, supporting means for said lamp house to hold the same with relation to the print, and a negative holder with means to maintain it out of contact with said lamp house but in operative relation to the light-modifying means thereof, combined with means for adjusting said negative holder while so maintained, angularly with respect to a plane extending transversely through the light-modifying means.

2,236,304
OPHTHALMIC MOUNTING
Thomas J. Snavely, Peabody, Kans., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 28, 1938, Serial No. 232,166
5 Claims. (Cl. 88—47)



1. A spectacle comprising spaced aligned lenses, central supporting means having a central bridge portion and relatively long and slender arm members supported by said central supporting means and following the contour of the top of the lenses, temple supporting members having lens connection means adjacent one end thereof with a portion shaped to overlie the rear side surface of the lens adjacent the upper outer portions of the lenses and a relatively long adjustable intermediate portion extending outwardly and rearwardly of said surface of the lens and terminating in pivotal temple connections and temples pivoted to said connections, the outer ends of said relatively long and slender arm members being supported by said temple supporting members intermediate the lens and pivotal connections of said members with the supported end of said arm members located in the rear of the surface of the lens connection means overlying the rear surface of the lens and in the rear of the outer face of the intermediate portion when viewed from the side with said supported end extending below the upper surface of said intermediate portion, said lenses having finished optical surfaces of required prescriptive power adapted to be positioned by said supporting member before the eyes in accordance with the required optical prescriptive properties of the lenses.

2,236,305
GARDENING TOOL
Philip O. Ahlin, Medford, Mass., assignor to Trimstik Company, Newton, Mass., a corporation of Massachusetts
Application July 22, 1939, Serial No. 285,933
4 Claims. (Cl. 242—96)



4. A gardening tool comprising a rigid stake, a drum mounted on the stake and rotating about an axis substantially perpendicular to the axis of the stake, a length of strand material adapted to be wound on the drum and attached at one end thereto, a hand crank for rotating the drum, an annular guide for the strand material encircling the stake and having an aperture through which the strand material is freely threaded, the internal diameter of the guide being substantially greater than the diameter of the stake so that the guide can fall down the stake by gravity but become fixed relative to said stake when tipped relative thereto.

2,236,306
PRODUCTION OF HOLLOW ARTICLES
Kurt Bratring, Berlin, Germany, assignor to Neocell Products Corporation, a corporation of Delaware
Application October 14, 1938, Serial No. 234,914
In Germany February 12, 1935
4 Claims. (Cl. 18—41)

4. A collapsible mold comprising a base element, a plurality of convex rib-like elements engaging said base element and positioned adjacent one another, a head element positioned to engage the opposite ends of said rib elements, a thin elastic element positioned to cover the outer faces of said base, said ribs and said head element and stretched to hold said rib elements under compression, means to hold the elastic ele-

ment in the position described, the over-all maximum diameter of the rib elements when assembled being considerably in excess of the over-all maximum diameter of the head element and the maximum over-all dimension of each rib element circumferentially of the mold being less than



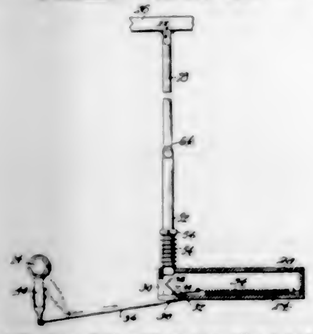
the internal diameter of an article molded about said head element, and pneumatic means for displacing the head element from the rib elements whereby the rib elements may be singly removed through the restricted neck of the article molded upon said mold.

2,236,307

SAFETY DEVICE

Stanley Bush, Worcester, Mass.

Application November 6, 1939, Serial No. 303,013
6 Claims. (Cl. 126—42)



1. In a device of the class described having an apertured drip pan, a normally open valve, means to close said valve comprising a spring, a rod connected at one end to the spring and to the valve, said rod having means to hold the spring extended, a lever constructed and arranged to release said holding means upon a pivotal movement thereof, a liquid destructible support located directly below said aperture, a weight on said support and located above said lever, whereby the latter is pivoted to release said holding means upon the admission of liquid, and said spring contracts and withdraws said rod to close the valve.

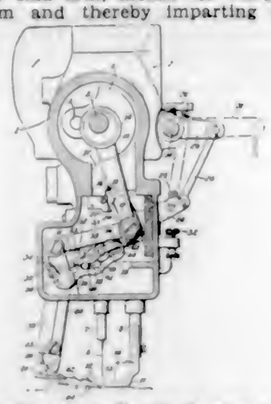
2,236,308

RUFFLING AND STITCHING MACHINE

Frederic M. Card, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application January 30, 1940, Serial No. 316,301
12 Claims. (Cl. 112—132)

1. In a ruffling and stitching machine, in combination, stitch-forming mechanism including a reciprocatory needle, a ruffler-blade carrier-arm having a pivotal axis of vibration, a ruffler-blade carried by said arm, means for vibrating said carrier-arm and thereby imparting operative



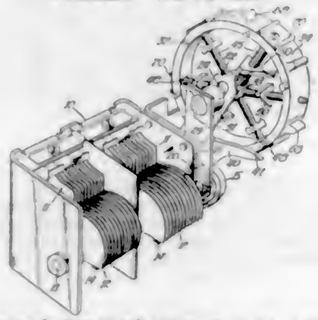
movements to said ruffler-blade, and means for displacing the pivotal axis of said carrier-arm laterally in an arcuate path and thereby shifting said ruffler-blade with respect to the path of reciprocation of said needle.

2,236,309

PRESELECTING MECHANISM

Arvid Dahlstrom, Chicago, Ill., assignor, by mesne assignments, to Oak Mfg. Co., Chicago, Ill., a corporation of Illinois

Application March 29, 1940, Serial No. 326,625
7 Claims. (Cl. 74—10)



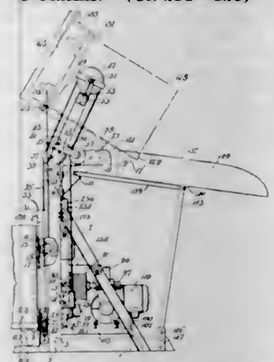
1. A preselector mechanism for apparatus having a part movable over a continuous range between two end positions, said mechanism comprising means for biasing said part toward one end position, a control head manually adjustable to any one of a plurality of definite on settings, each setting corresponding to a preselected part position, said head having an off setting during the operating cycle of said mechanism prior to the actual response, cooperating means on said head and part for moving said part against its normal bias substantially to the other end position automatically upon movement of said head from one on position to an off position in preparation for another on position, said cooperating means only operating during off position settings of said head and releasing said part for bias response when said head has attained the other on position and means for each on position head setting for limiting the bias response of said part to determine a preselected position.

2,236,310

BOBBIN HOIST FOR BOBBIN-HANDLING MACHINES

Caleb Pinkney Deal, Charlotte, N. C., assignor to The Terrell Machine Company, Charlotte, N. C., a corporation of North Carolina

Application June 22, 1937, Serial No. 149,597
8 Claims. (Cl. 214—123)



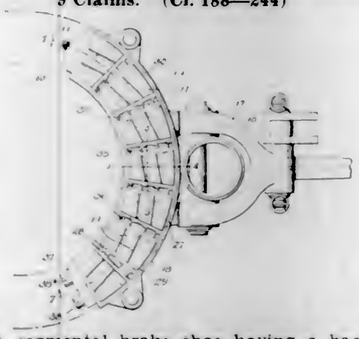
1. In a bobbin hoist, in combination, a skip to receive and retain a box of bobbins, means guiding the skip during ascent and descent, cables lifting and lowering the skip, a winding drum, an electric motor rotating the drum alternatively in opposite directions to take up and pay out the cables to lift and lower the skip, a reversing switch for the motor, a member on the switch which in one position causes the motor to drive the drum to lift the skip and in another position causes the motor to drive the drum reversely to lower the skip and in an intermediate position stops the motor, and means connected with parts driven by the motor automatically moving the member from skip-lifting to skip-lowering position as the skip reaches the desired limit of upward travel, and from skip-lowering to stopping position as the skip reaches the desired limit of downward travel.

2,236,311

BRAKE SHOE

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 29, 1938, Serial No. 198,627
9 Claims. (Cl. 188—244)



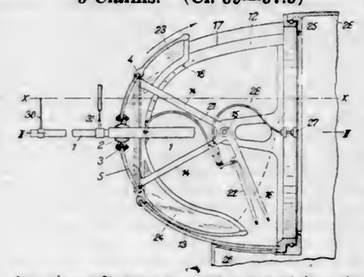
2. A segmental brake shoe having a backing member having a channel in one face thereof with lateral flanges overhanging the sides of the channel, a plurality of brake blocks assembled from one end of the channel and having means locking under the overhanging flanges of the channel, said brake blocks being spaced apart throughout an appreciable distance to provide passages for the circulation of cooling air and yielding backing means individual to each of said blocks.

2,236,312

GUN MOUNT, MORE ESPECIALLY FOR USE IN AIRCRAFT

Alfred Funk, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany

Application April 19, 1938, Serial No. 202,936
In Germany April 30, 1937
5 Claims. (Cl. 89—37.5)



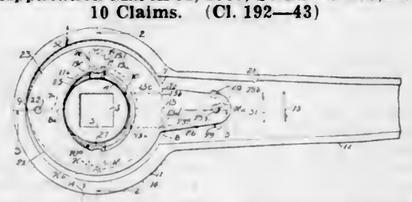
1. An aircraft gun mount comprising, in combination with an aircraft body having a wall with an opening therein, a slotted curved shell adapted to cover said opening, means positioning said shell over the opening for rotation about an axis intersecting the plane of said opening, supporting means rigid with said shell positioned inside the same, a frame member of substantially the contour of said shell and having an opening therein, means extending from the frame and pivotally connected with said supporting means for swinging the frame, a transparent panel positioned within the opening in said frame, a gun extending through said panel and said slot, and gun supporting means carried by the panel constructed and arranged to support the gun for rotary movement about its longitudinal axis.

2,236,313

CLUTCH

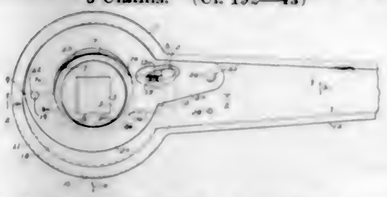
Wells P. Goodenough and Henry E. Jensen, Palo Alto, Calif.

Application March 31, 1939, Serial No. 265,253
10 Claims. (Cl. 192—43)



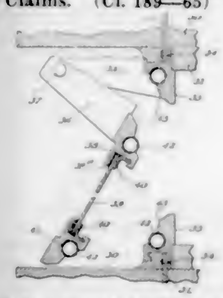
1. A clutch comprising, a revoluble member having an annular internal bearing surface, a pair of opposed shoes disposed to bear against substantially opposed portions of said surface and fulcrumed at one end, a cam inserted between the other ends of said shoes to spread the same, a lever operable as a unit with the cam to actuate the same, and resilient means engaging the lever and the revoluble member and operative to maintain the cam in a position to spread said shoes.

2,236,314
CLUTCH
Wells P. Goodenough and Henry E. Jensen, Palo Alto, Calif.
Application March 26, 1940, Serial No. 326,610
3 Claims. (Cl. 192—43)



3. A clutch comprising, a revoluble member having an annular internal bearing surface and a concentrically disposed central abutment portion spaced therefrom, a pair of shoes disposed in the space between the surface and abutment portion to bear against opposed portions of said surface, said shoes being fulcrumed at one end, a cam inserted between the other ends of said shoes, said cam being constructed and arranged to bring diametrically opposite points thereof into contact with said shoes when said cam is moved in either direction about its axis, a lever operable as a unit with said cam to adjust the same and in part overlying said shoes, and means maintaining said lever in a position to keep one pair of points on said cam in actuating engagement with said shoes.

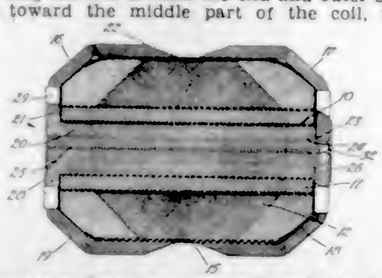
2,236,315
METAL WINDOW, DOOR, AND THE LIKE
Emanuel Gray, New York, N. Y., assignor of one-half to Raymond B. Shoemaker, Flushing, N. Y.
Application April 5, 1938, Serial No. 200,061
6 Claims. (Cl. 189—65)



1. Stationary and movable frame members for a wall opening, each having on its face adjacent the other frame member and on its exposed sides at least three guide surfaces adapted to abut cooperative surfaces on the other frame member when the movable frame member is closed, two of said guide surfaces on each frame member being at a larger acute angle to the plane of the frame member than is the guide surface intermediate said two.

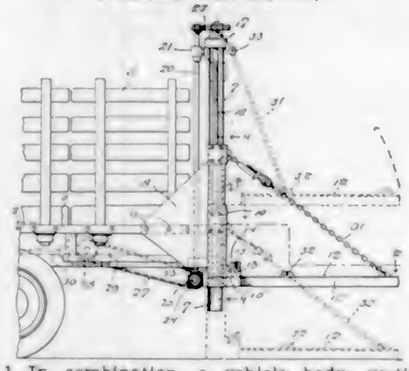
2,236,316
INDUCTION COIL
Arni Helgason, Chicago, Ill., assignor to Chicago Transformer Corporation, a corporation of Illinois
Application August 18, 1939, Serial No. 290,814
5 Claims. (Cl. 175—356)

1. An induction coil comprising a straight primary winding, a secondary winding superposed and concentric with said primary winding, said secondary winding consisting of a plurality of layers of wire with the layer adjacent the primary having the greatest number of turns and with the succeeding layers having less turns, and a magnetizing core, said magnetizing core comprising preformed and preshaped laminations divided into four groups, each group of laminations consisting of nested individual laminations having one end portion straight and disposed within the interior of said windings and extending the full coil length and the other end portion bent along lines parallel to the width of the strip and following the coil around the end and outer surface toward the middle part of the coil, two



groups extending from one coil end but bent away from each other along the coil end, the remaining two groups extending from the other coil end and bent away from each other, one group of the first-mentioned two groups and one group of the second mentioned two groups having the portions on the outer coil surface extending toward each other and forming an air gap at the middle part of the coil, the remaining groups forming a similar air gap on the outer coil surface on the other side of the coil and means for maintaining said laminations on said coil whereby there results an ignition coil having a small time constant and high efficiency and whose inductance may be closely controlled in production.

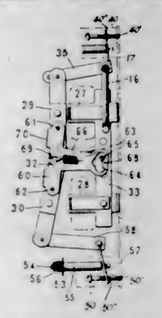
2,236,317
SCREW-PROPELLED TAIL GATE ELEVATOR
Forster T. Howland, Los Angeles, Calif., assignor, by decree of court, to Anna C. Howland
Application September 26, 1939, Serial No. 296,695
4 Claims. (Cl. 214—75)



1. In combination, a vehicle body, vertical guide rails fixed to the rear end of the vehicle body at opposite sides of the latter, carriers vertically movable on said guide rails, power-operated means for raising and lowering said carriers, a

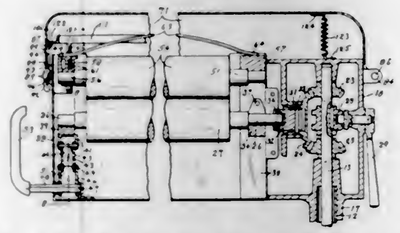
tail gate hinged to the lower ends of said carriers for vertical swinging movement, means to limit downward swinging movement of the tail gate to a horizontal position, and means to connect the tail gate with the upper ends of the guide rails for utilizing downward movement of the carriers to cause upward swinging of the tail gate to closed position.

2,236,318
REMOTE CONTROL ELECTROMAGNETIC INTERLOCK SWITCH
Arthur E. Lamel and Joseph H. Coburn, Los Angeles, Calif., assignors to The Trumbull Electric Manufacturing Co., Pacific Division, Los Angeles, Calif., a corporation of Washington
Application July 22, 1939, Serial No. 285,978
11 Claims. (Cl. 200—98)



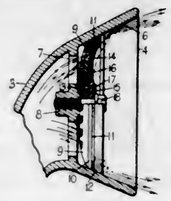
1. An electrical switch including a pair of electromagnets, armatures for said electromagnets hinged to each other and latching mechanism for preventing accidental movement of said armatures to or from the electromagnets including a rocker member having portions connected to said armatures and having an offset arm with a slotted portion, a stud on a fixed portion of the electromagnet extending through said slotted portion and a spring for urging the wall of said slotted portion against the stud.

2,236,319
CLOTHES WRINGER
Thomas J. Litle, Jr., Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application July 26, 1937, Serial No. 155,664
9 Claims. (Cl. 68—263)



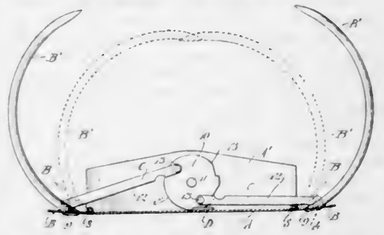
6. In a clothes wringer, a pair of rolls at least one of which is movable toward and from the other, a support for said rolls including upper and lower frames pivotally connected together, a spring carried by said upper frame for maintaining said rolls in pressure engagement, means including a latch for releasably holding the frames against relative pivotal movement and rendering said spring effective, means for releasing said latch to permit said upper frame to move upward and enable the separation of the rolls, and means for producing movement of the rolls with respect to the lower frame away from and toward the upper frame for enabling the weight of the upper frame to cause automatic engagement of the latch during the operation of restoring pressure between the rolls without exerting manual pressure on the top of the upper frame.

2,236,320
CONTROL VALVE FOR WATER BELLS
Joseph H. Mosel, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application December 28, 1939, Serial No. 311,386
6 Claims. (Cl. 251—119)



6. In combination, a water bell for a concrete mixer or the like, a metal disk disposed within said bell, a rubber disk bearing against the outer surface of said metal disk, said metal disk and said rubber disk having their edges in contact with the inner surface of said bell, said metal disk and rubber disk having aligning openings formed therein, and a second rubber disk held in contacting relationship with the outer surface of said first-named rubber disk, said second rubber disk being flexible so that it will be moved outwardly away from said first-named rubber disk by pressure exerted through said openings.

2,236,321
LOOSE-LEAF BINDER
Joel W. Ostrander, Chicago, Ill.
Application April 29, 1939, Serial No. 270,854
3 Claims. (Cl. 129—17)



1. A loose-leaf binder comprising: a rigid back-member; two opposed complementary sets of arcuate prong-members hinged to opposite lateral edge portions of said back-member; linking means comprising a notched wheel provided with a pair of opposed cranks which are connected to the sets of prong-members by means of pitmans so that both sets must move simultaneously from open to overlapped position; and a spring held latch for engaging a selected notch in said wheel and releasably controlling the degree of opening of said sets of prongs.

2,236,322
METHOD AND COMPOSITION FOR IMPROVING MILLING PRODUCTS
Frederic H. Penn, Dallas, Tex.
No Drawing. **Application January 23, 1940, Serial No. 315,283**
12 Claims. (Cl. 99—91)

1. A method for improving wheat flour and other milling products which comprises intimately mixing with the dry milling product a powdered alkinous metal salt of a hexonic acid and a powdered active organic peroxide having substantial flour bleaching properties, the peroxide being in sufficient amount to bleach the milling product and said salt being in sufficient amount to increase the loaf volume factor of the milling product, and subjecting the milling product in dry form to the simultaneous action of said salt and peroxide for a sufficient time to bleach and mature the product.

10. A flour bleaching and maturing composition comprising a dry free-flowing powdered mixture of benzoyl peroxide and a sufficient quantity of potassium gluconate to overcome the loaf volume reducing factor of benzoyl peroxide.

2,236,323
SCRAPER
William J. Stachowiak, Huntington Park, Calif.
Application July 2, 1940, Serial No. 343,657
4 Claims. (Cl. 30—169)



4. A scraper of the class described, comprising a socket having stress and strain receiving and distributing abutment means, a scraper blade backing and guard member rigidly carried by said socket, a blade accommodating and clamping member opposed and separably joined to said guard, said clamping member having on its inner face selectively usable shoulder forming elements functioning to aid in sustaining a blade in progressively projected positions, said clamping member also having a strain and thrust transferring abutment releasably engaging the stated abutment means, and a projectible and retractible scraper blade interposed between said guard and clamping member, the inner end of said blade being laterally deflected to provide a flange-like retention lip selectively engageable with said blade sustaining shoulder elements.

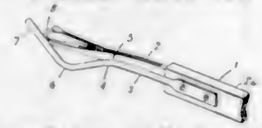
2,236,324
INTERCHANGEABLE NEON SIGN LETTER
Luther B. Thomas, Memphis, Tenn.
Application March 3, 1938, Serial No. 193,756
9 Claims. (Cl. 40—130)

1. In a sign, a casing, character supports, a circuit in the casing and comprising pairs of resilient members, the members of each pair closing together, upon removal of said character supports, to complete the circuit, characters carried by the



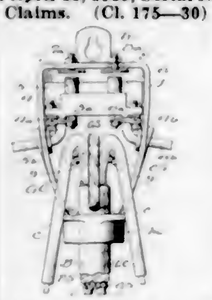
supports, conducting elements on the supports and adapted to engage between the members of any pair, and conductors leading from the conducting elements to the characters.

2,236,325
KNITTING NEEDLE
Theodor Vorck, London, England, assignor to United Elastics Limited, London, England
Application August 30, 1939, Serial No. 292,698
In Great Britain September 9, 1938
6 Claims. (Cl. 66—123)



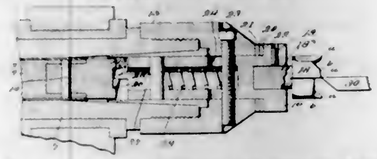
1. In a needle loom of the type comprising a needle holder and means for reciprocating the holder, a needle having a hooked end mounted in the holder, a yieldable thread guide attached to the holder and arranged alongside the needle but in spaced relation thereto to guide the thread into the hooked end thereof.

2,236,326
COMBINED SERVICE CAP AND LIGHTNING ARRESTER
Albert J. Wayman, Youngstown, Ohio
Application April 13, 1939, Serial No. 267,664
2 Claims. (Cl. 175—30)



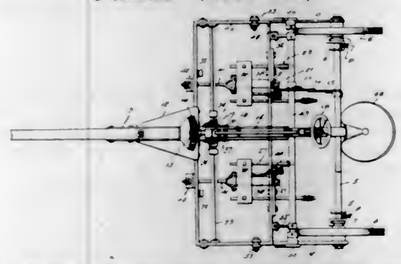
1. In combination, a service cap formed of a metallic casing and having inlet and outlet apertures for lead-in conductors, a grounding conductor surrounding said lead-in conductors and being connected to said metallic casing, a pair of insulated discharge terminals mounted within said casing connections from said lead-in conductors to said discharge terminals, a cooperating electrode mounted adjacent each of said insulated discharge terminals and being electrically connected to said metallic casing, and means extending to the outside of said casing for adjusting the length of the discharge gap between each insulated terminal and its cooperating electrode.

2,236,327
METAL WORKING TOOL FORMING ATTACHMENT FOR LATHES
Alfred O. Bates, Cleveland Heights, Ohio, assignor to Arthur L. Parker, Cleveland, Ohio
Application September 8, 1939, Serial No. 294,015
5 Claims. (Cl. 82—11)



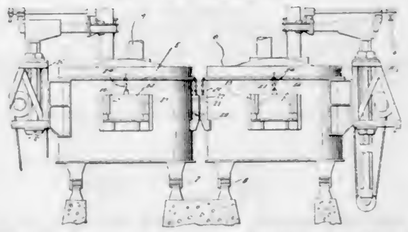
1. A machine for forming the cutting face of a metal working tool comprising a stationary cutting tool and means for presenting said metal working tool to the stationary cutting tool including a chuck in which the metal working tool is mounted, a rotatable sleeve on which said chuck is mounted for rotation and movement longitudinally of the axis of the sleeve, a stationary spindle mounted within said sleeve, a control cam carried by said spindle, a follower lip carried by the chuck and engaging said control cam, and a spring for moving said chuck so as to maintain said follower lip in contact with the cam.

2,236,328
FARMING IMPLEMENT
Sharon D. Bridges, Arthur Bridges, and Hayes D. Bridges, New York, N. Y.
Application January 31, 1939, Serial No. 253,904
3 Claims. (Cl. 97—149)



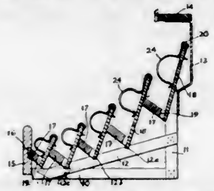
1. A farming implement comprising a frame, means for connecting the frame to a draft medium whereby the frame may swing relative thereto, a hand operated means for effecting swinging movement of the said frame, an axle arranged rearwardly of the frame, ground wheels for said axle, arms journaled on said axle and pivotally connected to the frame, a hand operated means for effecting pivotal movement of said arms, vertically arranged sleeves carried by the frame, shafts detachably secured in said sleeves and removable therefrom, mountings for ground engaging elements secured to said shafts and having ground implements pivotally mounted thereon for vertical swinging movement, and a hand operated means carried by the frame for swinging said implements.

2,236,329
MULTIPLE ELECTRIC ARC FURNACE
William J. Bryan, Jr., Brackenridge, Pa.
Application August 5, 1940, Serial No. 351,501
2 Claims. (Cl. 13—10)



1. An electric arc furnace assembly comprising a pair of duplicate furnace members having charging doors and discharging openings, each furnace also including electrodes for heating the respective furnaces and apparatus for tilting the same for discharging the contents from the discharge opening thereof, said furnaces being positioned in close proximity with each other and auxiliary doors in the adjacent sides of the furnaces in registering position when the furnaces are disposed in a predetermined position.

2,236,330
DISPLAY FIXTURE
Charles H. Canfield, Syracuse, N. Y.
Original application October 1, 1936, Serial No. 103,612. Divided and this application February 25, 1938, Serial No. 192,618
1 Claim. (Cl. 211—137)



A display rack comprising, in combination, a supporting structure adapted to rest on a horizontal surface; a plurality of flat shelves of unequal widths, each secured to and disposed above the supporting structure in an ascending series, with the wider shelves at the back and the narrower shelves toward the front of the rack; each shelf being exposed to support directly a series of stacked articles by their edges, and sloping downwardly from the front edge to the rear; a plurality of shelf backs also of unequal widths arranged in a complemental ascending series on the supporting structure, there being one shelf back for each shelf, and the widest shelf back being associated with the widest shelf at the rear and upper portion of the rack; the front edge of each shelf, except the shelf directly in front of the rack, abutted against the back face of the shelf back next in front; a vertical bumper strip being at the front of the rack and rising well above the shelf directly in the front, the front edge of the latter shelf being abutted against the rear of said bumper strip; each shelf being at an acute angle to and forming with its shelf back a V-shaped trough for receiving a plurality of articles to be displayed; and each shelf back rising well above the upper surface of the shelf directly to its rear, so that the several shelf backs, and said bumper strip, provide

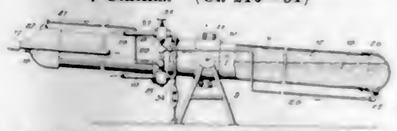
means to hold articles in said V-shaped troughs and the several shelf backs facilitate attachment of slidable article separating clips.

2,236,331
ROLLER ATTACHMENT FOR SLEDS
Eugene L. Cofsky, Brooklyn, N. Y.
Application October 25, 1939, Serial No. 301,276
1 Claim. (Cl. 280—8)



The combination with a sled having a runner of inverted T-shaped cross section, of a roller attachment comprising a clamp formed of two side members of strap metal shaped to conform to the T-shaped cross sectional contour of the sled runner, a bolt passed through the members below the runner, a bolt passed through the members above the runner, the side members being bowed inwardly below the bottom bolt to provide stop shoulders adapted to engage each other and reinforce the clamp to resist side sway, the side members being directed abruptly outward and then extended downwardly parallel with each other below the stop shoulder to provide a yoke, and a ground engaging roller carried by the yoke.

2,236,332
WELL CONTROL EQUIPMENT
Chester A. Combs, Conroe, Tex., assignor of fifty per cent to Julius C. Foretich, Conroe, Tex., and fifty per cent to Mrs. J. C. Shelton
Application July 7, 1939, Serial No. 283,292
7 Claims. (Cl. 210—51)



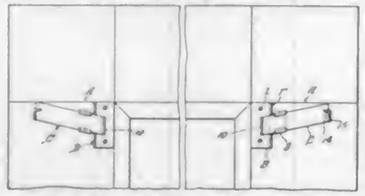
1. A separator of the character described, comprising a support, an elongated closed tank mounted at its medial portion upon said support to rock upon a horizontal axis, oil and water discharge valves having portions mounted on said tank in spaced relation to said axis, means for supporting the other portions of said valves from a stationary support, a passageway for leading water from one end portion of the tank to the water discharge valve, a passageway for leading oil from the other end portion of the tank to said oil discharge valve, and means for introducing a well flow into said tank.

2,236,333
WRENCH HOLDER
Oliver J. Cowles, Turlock, Calif.
Application January 15, 1940, Serial No. 314,007
3 Claims. (Cl. 206—16)



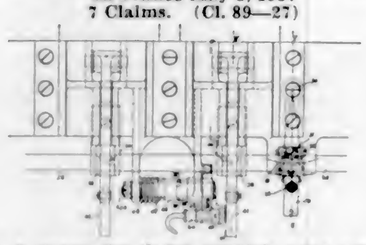
1. A holder for a set of wrenches of graduated sizes, comprising a supporting section including a base plate bent at right angles to follow the longitudinal shape of the wrenches, casing means secured to one end portion of the base plate for cooperation therewith for receiving and holding the head portions of the wrenches, a cover section detachably and slidably mounted on the opposite end portion of the base plate for holding the handle portions of the wrenches on the base plate, and the casing means and cover section increasing in size from one side thereof to the other and shaped to fit the wrenches when in graduated order to hold the same against movement.

2,236,334
SHADE ROLLER AND CURTAIN POLE BRACKET
Joseph Duffek and Anthony Compagnone, Gloversville, N. Y.
Application June 28, 1939, Serial No. 281,742
1 Claim. (Cl. 248—257)



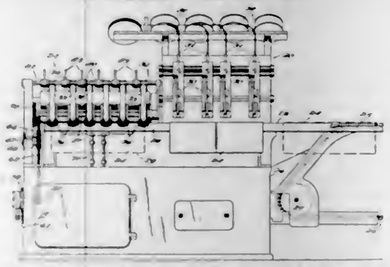
A curtain and shade bracket comprising a bracket part of Z shape in cross section for attachment to a window frame and having an outer forwardly and laterally offset part provided with upwardly and outwardly sloping upper and lower edge channels at its upper and lower edges, a bar member having an intermediate part sloping upwardly and outwardly and slidably arranged in said channels, the lower end of said bar being bent at right angles and into a vertical plane and having an opening therein for receiving a pintle of a shade roller and the other end of the bar being bent at right angles and into a vertical plane and formed with curtain pole engaging parts, said last-named end including a horizontally arranged lip and a slit below the lip.

2,236,335
FIRING MECHANISM FOR MULTIPLE GUNS
Eugène Albert Dugied, Courbevoie, France, assignor to Societe Anonyme des Anciens Etablissements Hotchkiss & Cie., Paris, France, a joint-stock company of France
Application October 16, 1937, Serial No. 169,510
In France May 5, 1937
7 Claims. (Cl. 89—27)



7. A device for firing multiple guns comprising a trigger for each of the guns, means for manually controlling one of said triggers whereby to fire a first gun, a sleeve rotatably mounted behind said first gun, a lever secured to said sleeve adjacent the trigger of a second gun, a rod slidably mounted on said lever for movement into and out of a position wherein to contact and actuate the trigger for said second gun when said lever is moved, means biasing said lever to a position away from the trigger of said second gun, a drive sleeve mounted rotatably adjacent the first named sleeve, a connection between said sleeves for locking the sleeves together when the drive sleeve is moved in one direction and disconnecting the first sleeve from the drive sleeve when the latter is moved in an opposite angular direction, a projection on said drive sleeve, means to yieldably hold said projection and sleeve in a neutral position, and means moved by said first gun to strike said projection when the first gun moves responsive to firing, whereby when said rod is in trigger-actuating position the motion of the first gun fires the second gun.

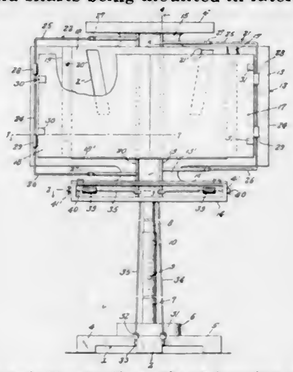
2,236,336
METHOD OF AND MACHINE FOR FEEDING ARTICLES
Robert D. Easton, Chicago, Ill., assignor to R. R. Donnelley & Sons Company, Chicago, Ill., a corporation of Illinois
Application June 27, 1940, Serial No. 342,779
21 Claims. (Cl. 270—58)



1. The method of feeding articles from one mechanism which operates to rapidly perform work on the articles to another mechanism which relatively slowly performs its work on the articles, which consists in feeding the articles from the first-referred-to mechanism singly, in succession, associating certain of the articles with others thereof to form stacks and feeding the articles in stacked condition at a reduced rate of speed to the second-referred-to mechanism.

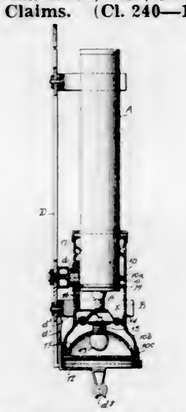
2,236,337
MUSIC RACK
Charles Eccher, Brooklyn, N. Y.
Application May 6, 1940, Serial No. 333,683
4 Claims. (Cl. 84—502)

1. In a music rack, a base, a standard on said base, a holder for a book of music arising from said standard and supporting said book in upright position with the back edge of said book in the vertical center of the holder, and means for turning the pages of said book from right to left and left to right comprising a pair of right and left hand rock shafts, respectively, rotatably mounted on said holder in upright position, a pair of right and left hand frames extending laterally from said right and left hand shafts, respectively, and normally surrounding the marginal edges of right and left hand pages of said book, to be swung forwardly from normal positions under rocking of said right and left hand shafts in one direction, respectively, coacting devices on said frames and pages, respectively, for causing the right and left hand frames to pick up the left and right hand pages, respectively, under such forward swinging thereof and to turn said pages under reverse swinging to normal position, and means to independently rock said shafts in said direction including a pair of right and left foot pedals on said base, said shafts being mounted in laterally offset



position relative to the axis of turning movement of said pages to effect disabling of said devices on the pages and frames under reverse swinging of the latter to normal position whereby said pages are released in the fully turned position thereof by said frames.

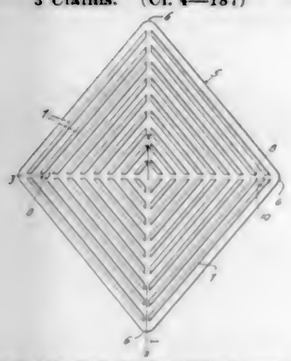
2,236,338
LIGHTING ASSEMBLY
Benjamin D. Emanuel, Anderson, Ind.
Application March 31, 1939, Serial No. 265,311
6 Claims. (Cl. 240—10.6)



1. In lighting assemblies, and in combination, a portable unit of the flashlight type and wherein the axes of bulb and battery are in substantial alinement, said unit comprising a casing carrying a bulb zone, a rechargeable battery receivable within the casing, and manually-controllable circuit connections between the battery and bulb with the connections including the casing, said casing having a length sufficiently greater than the length of the bulb zone as to receive and house an end zone of the battery and retain the remainder of the battery length exposed to thereby constitute the battery as the hand-grip of the unit, said battery having one of its terminals exposed at the housed battery and with the second terminal exposed at the side of the battery within the housed end zone of and in contact with the casing, said casing and battery having

complemental co-operative means for retaining them in such assembled relation, said casing additionally carrying an internal terminal accessible through an opening of the casing within such housed end zone, said internal terminal being insulated from the casing and having a portion extending into contact relation with the end terminal of the battery and with a complemental contact of the bulb circuit connections; and a support for the unit, said support having means to establish operative connections with a charging circuit and having additional means to operatively connect one side of the charging circuit to the unit casing and the other side of the charging circuit to said internal terminal through said casing opening when the unit is positioned with the bulb zone in contact with the supporting face of the support, whereby the charging circuit will be automatically completed by the positioning of the unit and be broken by the removal of the unit from such position on the support for use and to thereby permit unit battery charging with the battery unit-position maintained.

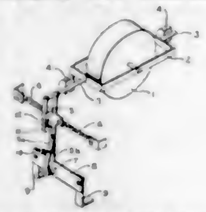
2,236,339
GLASS BUMPER MAT
Eldon L. Keith, Hollywood, Calif.
Application March 7, 1940, Serial No. 322,857
3 Claims. (Cl. 4—187)



1. A mat adapted to be folded over and secured to a sink partition, said mat comprising a substantially diamond-shaped body of resilient material, and said body having on one side thereof a plurality of series of ribs progressively increasing in length from a point approximating the center of the body to the marginal edge of the body; the arrangement of said ribs being such as to permit the mat to be folded on an imaginary line extending from one corner to a diametrically opposite corner of the mat body.

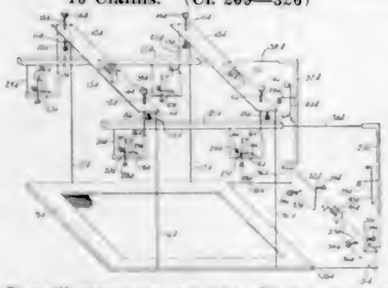
2,236,340
DAMPING MEANS FOR GYROSCOPIC INSTRUMENTS
Kurt Marggraf, Berlin-Pankow, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 3, 1939, Serial No. 271,601
In Germany April 28, 1938
2 Claims. (Cl. 74—5)

1. A rate of turn responsive gyroscope for an aircraft, comprising a rotor, a gimbal mounting said rotor for spinning about a horizontal axis, said gimbal being mounted for angular movement about a second axis perpendicular to the first axis, means yieldingly opposing the angular movement of said gimbal about said second axis whereby the angle of movement is a function of the rate of turn of said aircraft, an arm included in said opposing means and connected with said gimbal for movement therewith, means comprising a stationary member adjacent said arm, resiliently urged means carried by said arm for frictionally engaging said stationary member



during angular movement of said gimbal and said arm relative to said stationary member thereby preventing oscillations of said arm, and electromagnetic means secured with said gimbal adjacent said arm for periodically moving said arm in a plane perpendicular to the plane of frictional engagement thereby periodically breaking said frictional engagement.

2,236,341
VIBRATORY MATERIAL HANDLING SCREEN MECHANISM
George E. Markley, Cleveland Heights, Ohio
Application January 29, 1937, Serial No. 123,027
10 Claims. (Cl. 209—326)

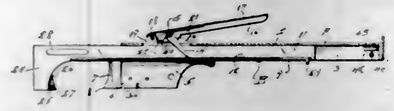


6. In a vibratory material handling mechanism, a main frame, a bed comprising a material supporting surface, weight means, resilient means vibratingly supporting the bed and weight means on the frame and permitting vibratory bodily movement of each in closed paths of movement respectively in planes at an angle to the bed surface, means interconnecting the weight means and bed to cause movement of one to be opposite to that of the other and to thereby effect kinetic balance therewith said means comprising a rocker oscillatably supported and having spaced portions oscillatable in opposite directions and flexible connections between the spaced portions and the bed and weight means respectively, and means to vibratingly move the weight means and bed bodily in said closed paths of movement.

9. In a vibratory material handling screen mechanism, a main support, a screen supporting frame and mass means having predetermined inertia, resilient means movably supporting the frame and the mass means on the support and permitting each to move in a plurality of directions defining closed paths of movement respectively, mechanical means constraining them to move oppositely whereby inertia of the frame opposes inertia of the mass means, a plurality of

electro-magnets for exerting periodic tractive efforts in angularly related directions on the frame and mass means to vibrate them on the resilient supports, and a source of undulating electric current for the electro-magnets to energize them in spaced phase relation respectively.

2,236,342
JAR WRENCH
Philip F. Marsella and Ferdinando Marsella, Seneca Falls, N. Y.
Application April 26, 1938, Serial No. 204,452
1 Claim. (Cl. 81—3.1)



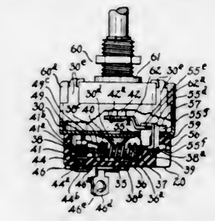
A wrench of the character described, comprising an elongated handle shank shaped from a single sheet of material and of substantially U-shaped cross-section including side plates and an intermediate plate, one side plate being extended at one end longitudinally of the shank beyond the other plate and the intermediate plate and being widened through a portion of its length, the said extended and widened portion having its forward edge formed to provide a jaw, a shiftable shank of substantially equal length to and slidably mounted in the handle shank and shaped from a single sheet of material and of substantially U-shaped cross-section including side and intermediate plates, the side plates of the shiftable shank being disposed against the inner sides of the other side plates and the intermediate plates being in spaced relation, a side plate of the shiftable shank being longitudinally extended at the end adjacent said jaw and shaped to form a jaw coacting with the first jaw, a plate secured against the inner face of the said widened portion of said handle shank side plate and having an edge engaging the adjacent side plate of the shiftable shank to retain the shanks in sliding assembled relation, a handle pivotally carried on the handle shank, a rack extending lengthwise of the inner side of the shiftable shank intermediate plate, and a spring pressed pawl pivotally attached to the handle and extending through an opening in the intermediate plate of the handle shank for engagement with said rack to effect relative movement of the shanks and jaws on oscillation of the handle.

2,236,343
ELECTRIC SWITCH
George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 26, 1937, Serial No. 138,912
9 Claims. (Cl. 201—48)



5. A combined radio rheostat and switch comprising, in combination, a one-piece inverted cup-shaped metal casing, said casing having a centrally located circular opening in the upper end wall thereof, a rheostat base and a switch base consisting of a pair of molded insulating members of cylindrical form and of substantially identical peripheral dimensions, both inserted upwardly in sequence into said one-piece casing and interlocked with the latter against rotation with respect thereto, an operating shaft carried by said rheostat base and projecting beyond said casing through said opening in the upper end wall of the latter, a snap switch mechanism carried by said switch base and having an operative connection with said operating shaft, said casing having a plurality of spaced lugs formed integrally therewith and bent inwardly over the lower surface of said switch base to retain said parts in assembled relation, said snap switch mechanism including a plurality of one-piece combined contact and wiring terminal members the wiring terminal portions of which penetrate said switch base and are exposed at the lower surface of the latter, and said lugs being so arranged as to provide ample electrical clearance between the same and said wiring terminal members.

2,236,344
ELECTRIC SNAP SWITCH
George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 20, 1940, Serial No. 341,518
24 Claims. (Cl. 200—67)



1. As an article of manufacture, a punched and stamped sheet metal actuating element for an electric snap switch, said element comprising a base portion having a pair of integral arm portions upstanding therefrom at substantially right angles thereto and at a predetermined angle to each other, one of said arm portions having vertically spaced lugs formed integrally therewith, and said lugs being correspondingly bent to extend at a like angle outwardly from the respective arm portions.

2,236,345
BRAKE DEVICE
Bernard H. Mossinghoff, Chicago, Ill.
Application January 25, 1937, Serial No. 122,176
31 Claims. (Cl. 188—78)

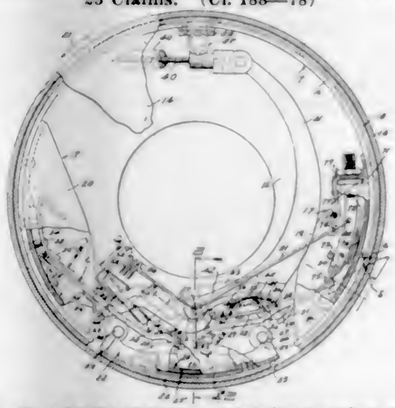
1. A braking system, including a revolvable element to be braked, a relatively fixed contrivance for frictional braking engagement with said element, applying means with connection arranged to press part of said contrivance against said element through a substantially radially directioned line of force or torque initiation, and operatively yieldable torque-anchoring means associating said contrivance with said applying means so that increasing braking torque of said contrivance increasingly opposes the application pressure, the torque from said initiating application

moving a further part of said contrivance



against said element to produce torque against said anchoring means.

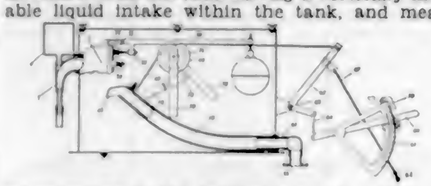
2,236,346
BRAKE DEVICE
Bernard H. Mossinghoff, Chicago, Ill.
Application November 6, 1937, Serial No. 173,102
25 Claims. (Cl. 188—78)



1. In a brake system, a rotatable member with a cylindrical drum portion to be braked in either direction, a relatively anchored retarding device frictionally engageable with the inner surface of said drum and positioned adjacently therewithin so as to leave a gap between its ends, a servo shoe positioned in said gap and arranged to be pressed against the same zone of said drum as said device and thereupon to be limitedly rotated by said drum in either direction and adapted to press the device against the drum by its said rotation in either direction, and a control mechanism for said servo shoe, having an external applying force receptive connection, connections with the respectively directional high torque portions of said device, and structure whereby the brake torque from either direction of rotation opposes the applying force.

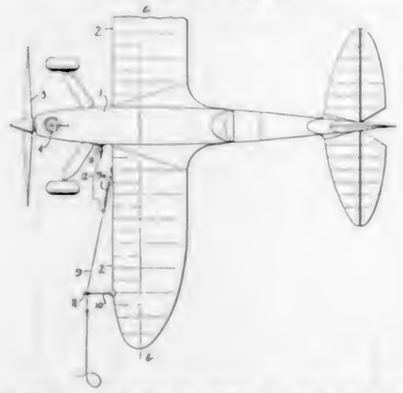
2,236,347
TANK FOR CONTAINING LIQUIDS
Cecil Wheatley Stancliffe, Rochester, England, assignor of one-half to Winget Limited, Rochester, England
Application May 9, 1939, Serial No. 272,632
In Great Britain May 16, 1938
8 Claims. (Cl. 137—68)

2. The combination of a tank for containing liquid, a liquid inlet valve connected to the tank, an outlet from the tank having a vertically movable liquid intake within the tank, and means



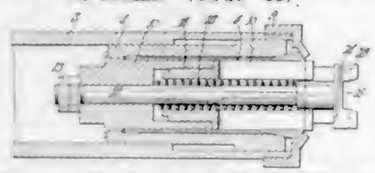
interconnecting the inlet valve and said liquid intake preventing the entry of liquid through said valve while the intake is in a discharging position in its zone of movement.

2,236,348
CONTROL FOR MINIATURE AIRPLANES
Victor Stanzel, Schulenburg, Tex.
Application November 6, 1939, Serial No. 303,088
7 Claims. (Cl. 46—77)



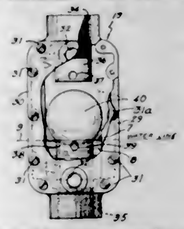
1. The combination with a self-supporting miniature airplane having a propeller, a gasoline motor driving the propeller, a fuselage and lateral wings, or planes, of a guide line attached to the structure of the airplane at a point laterally of the longitudinal axis of the airplane.

2,236,349
MEANS FOR GRIPPING WORK
Daniel B. Gish, West Springfield, Mass.
Application February 15, 1940, Serial No. 319,110
15 Claims. (Cl. 29—38)



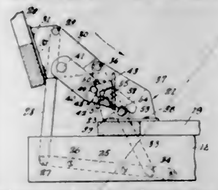
1. The combination with the hollow spindle and contractable hollow collet of an automatic machine with means for gripping and rotating successive separate pieces of work comprising, a contractable member in the collet adapted to be contracted thereby, and a work member in said contractable member for receiving a piece of work, said contractable member being adapted to grip a piece of work in said work member when said contractable member rotates.

2,236,350
OIL AND DIRT ACCUMULATOR FOR LOW PRESSURE HEATING SYSTEMS
Leroy W. Hoyt, Stamford, Conn.
Application January 31, 1939, Serial No. 253,755
5 Claims. (Cl. 237—67)



3. An accumulator comprising a hollow body forming a chamber having an opening at each of its upper and lower ends for connection in a return pipe, a nipple in said chamber and at one end connecting with and closing the opening in the lower wall of the body and having its other end disposed above said lower wall whereby dirt, grit and the like will collect on said lower wall at the sides of said nipple, a second nipple connected at one end to the opening in the upper end of the chamber and depending therefrom in alignment with the first nipple, said nipples each having an opening in its side wall adjacent its inner end, a float between the nipples adapted to close the free end of either one depending on the water level in the chamber, and said body including means to permit removal of any accumulation from the interior of the body.

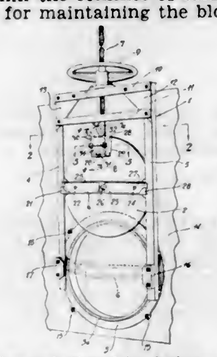
2,236,351
LOCKING SOFA BED HINGE
Daniel Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application January 4, 1940, Serial No. 312,321
10 Claims. (Cl. 5—47)



9. In a hinge of the character described, a pair of hinge members pivoted together, a locking member carried by one of the hinge members and adapted to lock against the other, a slotted releasing pawl slidably mounted on the locking member and slidable to a release position adapted to permit release of the locking member, and a stop lever automatically interposable into the path of the pawl on predetermined relative movement of the hinge members to prevent sliding of the pawl into the release position thereof.

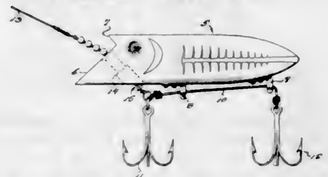
2,236,352
CANAL AND DITCH GATE
Raymond O. McCarty, Los Angeles, Calif., assignor to Martin Iron Works, a corporation of California
Application December 7, 1938, Serial No. 244,319
2 Claims. (Cl. 287—20.5)

1. A quick detachment means for canal and ditch gates wherein is provided a disc valve and a lift screw therefor, comprising an open wall housing positioned adjacent the rim of the disc valve and on one face thereof, a block for reception within the confines of said wall housing, and means for maintaining the block within the



housing; the relationship being such that the lift screw provided with a bent end extremity may be engaged by said block, the block in turn engaging the wall housing, whereby movement of the lift screw will produce movement of the disc valve.

2,236,353
FISH LURE
William D. Minser, Seattle, Wash.
Application July 12, 1939, Serial No. 283,923
7 Claims. (Cl. 43—46)

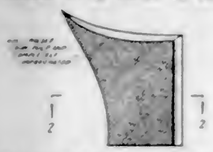


1. In a fish lure, the combination of a plug body bored diagonally from the upper to the under side of the same, a lining sleeve fitting the bore of the body, said sleeve being diametrically reduced at its upper end to form a median shoulder, a swivel link received for free sliding movement through said sleeve, a line tie at the upper end of the link, an eye at the lower end of the link, and a detachable coupling associated with said eye and functioning to connect the link to a hook, said coupling being transversely of a dimension less than the lower enlarged portion but exceeding the upper reduced portion of the sleeve so as to obtain a bearing engagement between the coupling and the median shoulder of the sleeve.

2,236,354
MOLDED SHOE HEEL AND METHOD OF MAKING SAME
Herman William Richter, Bridgewater, Mass.
Application December 7, 1936, Serial No. 114,670
16 Claims. (Cl. 12—147)

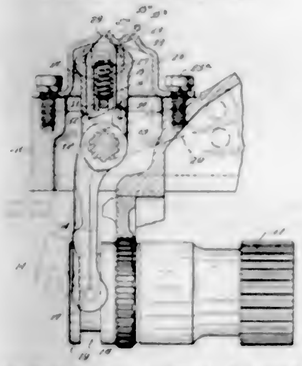
1. A method of making shoe heels, which consists in providing a molded heel blank of fibrous paper-making material having substantially the shape and size of the final heel, subjecting the nail-holding portions of the blank to a bath of indurating agent of the type of molten sulphur, pitches and resins substantially to the depth to

which the nails will extend, and subjecting the rest of the blank to a bath of said indurating



agent until the blank is impregnated to a sufficient depth to impart to the blank sufficient rigidity and resistance to moisture.

2,236,355
NO-NEUTRAL SHIFT DEVICE
Robert C. Russell, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 26, 1940, Serial No. 315,798
5 Claims. (Cl. 74—475)



1. In apparatus for shifting a movable part from one position to another, a housing, a shifter movable in said housing and having operative connection with the part to be shifted, means for actuating the shifter to cause the desired shifting of said part, and cooperating detent elements on said housing and shifter for urging the latter toward one or the other of said positions, said detent elements comprising a ridged portion, a hollow portion adjacent thereto and a spring-pressed plunger shiftable in said hollow portion and adapted to ride over the ridged portion, the plunger being of smaller size than the recess of said hollow portion and being rockable in the latter when shifted inwardly thereof.

2,236,356
WALK FOR RAILWAY CAR ROOFS
Vinton E. Sisson, Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application November 16, 1936, Serial No. 110,997
Renewed May 11, 1939
7 Claims. (Cl. 105—457)

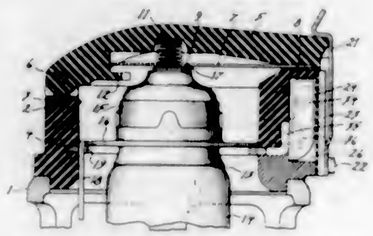
1. In a railway car having a roof comprising a plurality of roof sheets connected by upstanding carlines in combination with a walk extending lengthwise of the car comprising a metallic plate having a horizontal tread portion and an inwardly curled depending flange at each side margin thereof, said flanges resting upon and secured to said carlines.

6. In a railway car having a roof comprising a plurality of roof sheets connected by upstanding seam structures, portions of said sheets between said seam structures being bulged upwardly to increase the strength of the roof, a walk extending lengthwise of the car above said



roof comprising spaced apart edgewise disposed parts, said parts being deeper between said bulged portions than above said bulged portions, said parts provided with notches which straddle said seam structures to support said walk.

2,236,357
INCANDESCENT ELECTRIC LAMP SOCKET
Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application August 15, 1939, Serial No. 290,264
6 Claims. (Cl. 173—346)

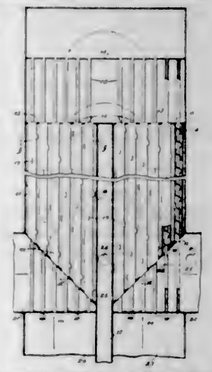


3. An incandescent electric lamp socket comprising a bored socket part provided with an annular conductive contact adapted to have a lamp installed therein by passage of the body of the lamp therethrough and said contact being axially engageable with a corresponding contact of the lamp base, a conductive end contact mounted for pivotal movement with respect to said socket part on an axis normal to the axis of and at one side of the bore of said socket part for movement into and out of position engaging a corresponding contact of the lamp base and holding the lamp with said annular contact engaged with the corresponding contact of the lamp base, means releasably securing said end contact in said position, and a circuit breaker for one of said socket contacts comprising a circuit breaker element carried by said first mentioned socket part at the opposite side of said bore and a second circuit breaker element carried by said second socket part in cooperative relation with said first mentioned circuit breaker element.

2,236,358
COMBINED CINDER COLLECTOR AND FLUID HEATER
Thomas B. Allardice, Mountain Lakes, N. J.
Application November 29, 1939, Serial No. 306,629
13 Claims. (Cl. 183—32)

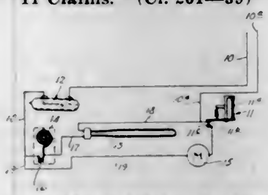
1. A combined fluid heater and cinder collector, comprising a plurality of inner tubes, a plurality of larger outer tubes arranged substantially concentrically around said inner tubes, metal strips wound spirally around said inner tubes, means for flowing a fluid to be heated through said inner tubes, means for flowing heated gases through said outer tubes, the walls of said outer tubes having openings formed

therein for the ejection of cinders thrown out by the centrifugal force resulting from the gas



flow around said strips, and a cinder hopper below said outer tubes for receiving the cinders.

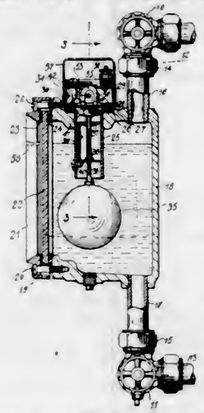
2,236,359
AUTOMATIC HUMIDIFIER
Asher D. Armstrong, New Richmond, Wis.
Application June 6, 1940, Serial No. 339,130
11 Claims. (Cl. 261—39)



1. In a humidifying system, an electric circuit involving a common lead and two shunt leads, a cut-out switch in said common lead, a heat controlling element and a switch therefor in one of said shunt leads, a thermostat for opening and closing said heat controlling switch, an electric motor and a motor controlling switch in the other of said shunt leads, a humidostat with connections for opening and closing said motor controlling switch, a water-containing vaporizing chamber having an air intake and an air outlet, the latter extending to the place or space where said humidostat is located, a fan operated by said electric motor and arranged to produce a forced circulation of air through said vaporizing chamber, said thermostat being so located that it is subject to the temperature of the water in said vaporizing chamber.

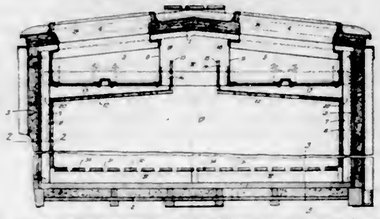
2,236,360
WATER LEVEL CONTROL FOR BOILERS
Vilynn O. Beam, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 10, 1937, Serial No. 136,120
2 Claims. (Cl. 200—84)

2. In a device of the character described, a casing, means for connecting said casing to a boiler above and below the water level thereof, a sleeve secured to the top of the casing and extending downward therefrom, a float in the casing, a stem attached to said float and extending upwardly into said sleeve, guiding means for said stem comprising two spaced disks perforated to receive the stem and loosely engaging the walls of the sleeve, said disks being connected together by an upright member, a removable stop mounted in the wall of the sleeve beneath one of said disks for removably supporting said guiding means, and



control means above the casing adapted to be set in operation by the vertical movements of said float and stem.

2,236,361
REFRIGERATOR CAR
Charles D. Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Original application November 16, 1936, Serial No. 111,058. Divided and this application November 2, 1938, Serial No. 238,443
4 Claims. (Cl. 62—17)

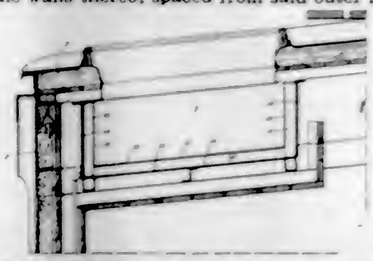


1. In a refrigerator, a refrigerant container adjacent the roof thereof, a duct associated with a vertical side wall of the refrigerator, an enclosing structure for said container substantially closed except for a cold air and water discharge opening leading to said wall duct and an air inlet at a higher elevation than the discharge opening, and a foraminous member supported in spaced relation to the floor of the refrigerator by a plurality of stringers extending normally to said wall to provide a plurality of parallel flues communicating with said wall duct, whereby air cooled by a refrigerant in said container and water of condensation or melted ice both pass downwardly through said wall duct into a plurality of said flues under a lading on said foraminous member.

2,236,362
REFRIGERATOR CAR
Charles D. Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Original application November 16, 1936, Serial No. 111,058. Divided and this application November 2, 1938, Serial No. 238,442
4 Claims. (Cl. 62—17)

1. In a refrigerator car, a refrigerant container

disposed so that air circulating within the car is cooled thereby, said container comprising an outer member having solid bottom and solid walls and a foraminous inner member having some of the walls thereof spaced from said outer mem-



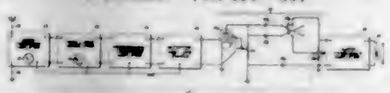
ber to provide a flue for air movement and an air inlet opening to said flue whereby some of said air flows through said flue and is cooled by contact with a refrigerant in said inner member.

2,236,363
SHEET FEEDING MACHINE
Headley Townsend Backhouse, London, England
Application March 30, 1939, Serial No. 265,007
In Great Britain April 1, 1938
7 Claims. (Cl. 271—26)



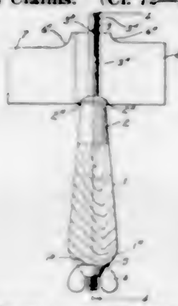
1. In a machine for feeding sheets from the top of a pile, rear sucker means adapted to grip the uppermost sheet and move forward therewith, forward sucker means arranged in front of the pile adapted to grip the surface of the advanced sheet and move forwardly more rapidly than the rear sucker means, the grip of the rear sucker means being strong enough relatively to prevent slippage between the sheet and said rear sucker means.

2,236,364
TONE-CONTROL SYSTEM
Nelson P. Case, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application December 16, 1939, Serial No. 309,551
8 Claims. (Cl. 250—20)



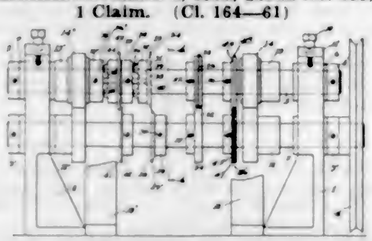
1. In an audio-frequency amplifier, a tone-control system comprising, an input circuit for supplying audio-frequency signals incidentally including noise which may extend over the entire audio-frequency range, an output circuit, and a signal-translating attenuating network coupled between said input and output circuits and including a plurality of signal-attenuating portions, one of which is of high-pass type and contains in series a resistor and a condenser having a time constant of not less than 0.0002 second and not greater than 0.0010 second and another of which is of low-pass type and contains in parallel a resistor and a condenser having a limiting frequency effective to attenuate by at least 6 decibels all signals above a limiting frequency lying between 800 and 1500 cycles, whereby said network effectively attenuates all noise and sound signals at frequencies outside of the middle range of frequencies that contribute most to intelligibility, and means for effectively progressively transferring said second condenser from said other signal-translating portion to said one signal-translating portion, simultaneously and progressively to change the time constants of both of said signal-attenuating portions, thereby progressively to change the frequency-band response of said network.

2,236,365
BULLNOSE CORNER GAUGE
Gilbert Clark, National City, Calif.
Application May 1, 1939, Serial No. 271,218
4 Claims. (Cl. 72—128)



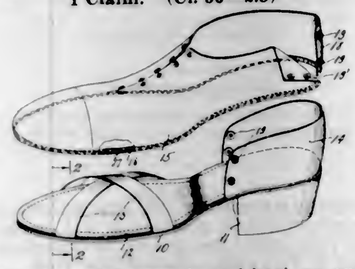
3. In a bullnose corner gauge of the class described, the combination of a handle member, a clamping rod shiftably mounted therein provided with a slot arranged longitudinally thereof and said rod extending into said handle member and a flat plate bullnose gauge member provided with a reduced curved portion arranged in spaced relation from said rod with one end shiftably positioned in said slot and extending therefrom, the extended end of said rod forming a guide for said gauge.

2,236,366
MACHINE FOR TREATING PAPER
Percival W. Chapman and John H. Bell, Norwich, and Oscar A. Jouret, Moosup, Conn., assignors to The Lester & Wasley Co., Inc., Norwich, Conn., a corporation of Connecticut
Application November 2, 1938, Serial No. 238,428
1 Claim. (Cl. 164—61)



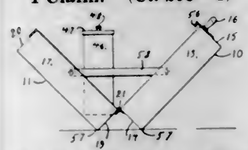
In a device for perforating paper or the like, a pair of parallel rotary shafts, a cutting disk on each shaft, said disks having their outer edges overlapping and one of said disks having spaced peripheral notches radially deeper than the amount that the cutting disks overlap, means for adjusting one of said shafts toward or away from the other, and driving means for rotating said shafts in unison, said means including a resilient ring on one of said shafts having driving engagement with the other shaft.

2,236,367
SHOE
John Gruber, New York, N. Y.
Application April 4, 1939, Serial No. 265,887
1 Claim. (Cl. 36—2.5)



A shoe comprising a sole and heel, an annular groove extending all around the circumferential edge of said sole, a removable upper split at its rear, reinforcing means embedded in the rear portions of said upper, a channel formed at and all around the lower edge of said upper, a resilient open wire loop embedded in said channel and adapted to normally contract said edge and when snapped into said annular groove to tightly connect said upper to said sole, the free ends of said split rear portions of said upper, being adapted to overlap one another when said upper is connected to said sole and fastening means on said free ends for detachably connecting the same to one another.

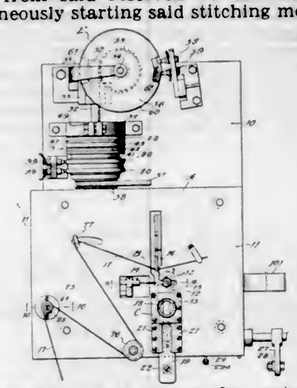
2,236,368
PORTABLE BAR
Harlan W. Haaker, Omaha, Nebr.
Application May 12, 1938, Serial No. 207,461
1 Claim. (Cl. 206—4)



A portable bar comprising a two sectioned case hinged together, said sections being of substantially equal depth and each having an open side, said open sides facing each other, means adapted to limit the opening of the case so that said case may be placed on a suitable flat horizontal surface with the outer lower side edges of each section resting on said surface when the case is open, said case having an ice-box compartment in one section thereof, and an ice-box removably received in said compartment, the bottom and side of said ice-box compartment having parallel grooves therein adapted to receive the front and rear lower edges of the ice-box for supporting same in an upright position when the case is opened and in position for use.

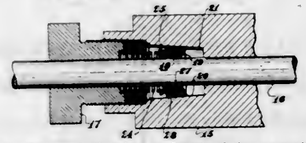
2,236,369
MACHINE FOR STITCHING A SHEATHING ABOUT A RING
Walter A. Herrmann, Chicago, Ill., assignor to E. L. Mansure Company, Chicago, Ill., a corporation of Illinois
Application March 28, 1940, Serial No. 326,516
14 Claims. (Cl. 66—1)

1. In combination with a frame equipped with a collar adapted to receive a ring and stitching mechanism for forming a sheath of stitches about said ring, a reservoir for rings, means for feeding a ring from said reservoir to said collar and simultaneously starting said stitching mechanism



into operation, and means for automatically stopping said stitching mechanism after a predetermined number of stitches have been formed.

2,236,370
RADIALLY YIELDABLE DEVICE
Elmer F. Jackman, Lakewood, Ohio, assignor to George V. Woodling and Elmer F. Jackman, co-trustees as joint assignee
Application April 1, 1939, Serial No. 265,479
6 Claims. (Cl. 286—30)

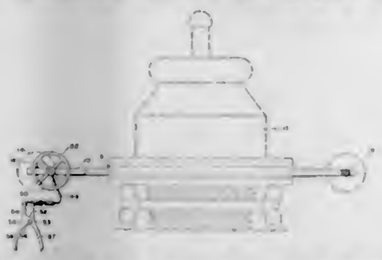


1. A shaft seal device adapted to create a seal between a shaft and a housing movable with respect to each other, one of said members having a conical surface whereby said members together define a tapering annular space surrounding the shaft, said device being disposed within said annular space and comprising a plurality of split flexible washers of truncated conical form nested together with their adjacent conical surfaces coinciding, each of said washers having an inner edge surface engaging said shaft and an outer edge surface engaging said housing, said washers being free to move with respect to each other into sealing engagement with said shaft and housing, and means for urging the nested washers as a unit longitudinally of said shaft toward the smaller end of said tapered space to compensate for wear, the washers being held against such movement solely by the engagement of the edge portions of the individual washers against the shaft and the housing, the over-all length of the nested washers being less than the length of the tapering annular space.

2,236,371
FILM ADAPTER
Melvin S. Kennedy, Arlington, Va.; dedicated to the free use of the People in the territory of the United States
Application December 14, 1939, Serial No. 309,278
3 Claims. (Cl. 88—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

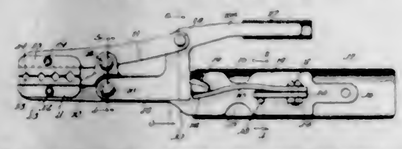
1. A device of the character described compris-

ing a frame adapted to be disposed in the film loading section of a camera, means for holding film spools at the ends of said frame, one spool at each end, a hand wheel rotatably mounted on the frame exterior of loading section of the camera, a rotatably mounted shaft fixed to said hand wheel, a pair of gears rotatably mounted on said shaft, one of said gears being geared to one of said spools, and the other of said gears being



geared to the other spool, a clutch for engaging one of said gears to said shaft when said shaft rotates in one direction and for engaging the other of said gears when said shaft is rotated in the opposite direction, a film pressure plate assembly disposed between said spools on said frame, said assembly comprising a fixed lower transparent plate and an elevationally adjustable upper transparent plate, and means for raising and lowering said upper plate.

2,236,372
HOLDER FOR ELECTRIC WELDING ELECTRODES
Charles J. Kotchi and Joseph Pondelick, Chicago, Ill.
Application May 20, 1940, Serial No. 336,228
6 Claims. (Cl. 219—8)



6. A tool of the character described embodying co-operating jaws pivotally connected together, a handle connected to one of the jaws, a lever connected to the other jaw, a bell crank lever between said handle and the first said lever and to which bell crank lever one end of the first said lever is pivotally connected intermediate the ends of the latter, one end of said bell crank lever being pivotally anchored to the said handle, and spring means between the said handle and said bell crank lever tending normally to swing the bell crank lever about its pivot to move the jaws together, the free end of the bell crank lever constituting a handle for one of said jaws.

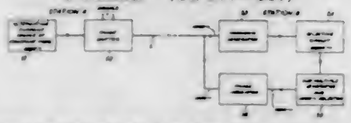
2,236,373
METHOD OF PERMANENTLY RECORDING DEFECTS IN METALS
Anthony C. Kowalski, Worcester, Mass.
Application July 5, 1940, Serial No. 344,071
6 Claims. (Cl. 234—1)

3. As a method of producing a permanent record of defects in a metal test piece, the steps of grouping a plurality of paramagnetic particles on the test piece in proportion to the size of the defects, and applying a sheet having a tacky sur-



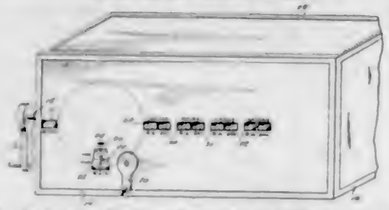
face to said grouped particles, so that the outermost particles will adhere to said surface.

2,236,374
REMOTE INDICATION AND CONTROL
Warren A. Marrison, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 12, 1937, Serial No. 120,186
5 Claims. (Cl. 177—337)



1. The method of signal transmission consisting in generating at a transmitting point an alternating current wave of a given frequency varying in phase in accordance with signals to be transmitted, transmitting the generated waves over a signal transmission medium and at a receiving point producing from a portion of the received wave harmonics of said given frequency at least one of which is free from phase variations, selecting said one harmonic, producing from the selected harmonic a wave of a submultiple frequency equal to said given frequency and combining said submultiple frequency wave with another portion of the received varying phase wave to detect the phase variations therein corresponding to said signals to be transmitted.

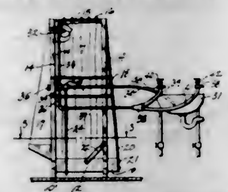
2,236,375
NAVIGATOR'S REFERENCE MACHINE
William L. Maxson, South Orange, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application October 4, 1939, Serial No. 297,791
12 Claims. (Cl. 35—43)



1. A navigator's reference machine comprising, in combination, a scroll having tabulated reference values which vary with time in accordance with a definite, non-linear law of variation arranged thereon in chronological order and in which equal scroll lengths are adapted to represent equal time intervals, said scroll being formed with a longitudinal line of feeding perforations, delivery and take-up means for the scroll including delivery and take-up reels, a feed sprocket cooperative with the scroll perforations,

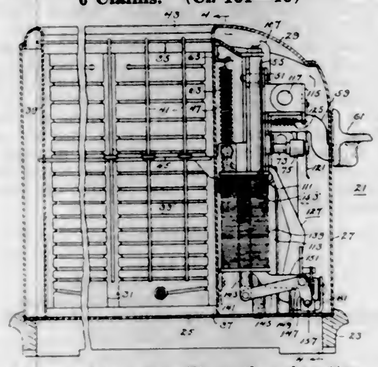
a date input means, date indicating means operated thereby, an hour input means, hour indicating means operated thereby, and means responsive to the date and hour input means in different ratios for advancing the feed sprocket in proportion to the lapse of time represented by the combined advance of said input means.

2,236,376
PORTABLE SHOWER BATH
Harry F. McClendon, Denver, Colo.
Application September 16, 1940, Serial No. 356,892
2 Claims. (Cl. 4—147)



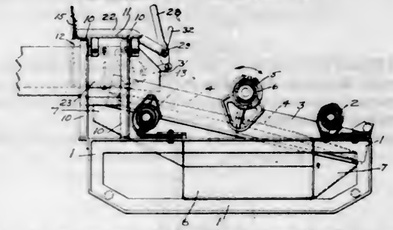
1. A portable shower bath comprising, a shallow tank, frame members secured to the tank and extending upwardly therefrom, a drain board hinged to the upper edge of one side of the tank, said drain board being movable into a position in which it extends beyond the outer surface of the side, the ends of the drain board having upwardly extending end walls, and means comprising outwardly extending stops for engaging the adjacent frame members to limit the outward movement of the drain board.

2,236,377
VOLTAGE CONTROLLED TOASTER TIMER
Henry L. Olson, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 15, 1940, Serial No. 352,725
6 Claims. (Cl. 161—16)



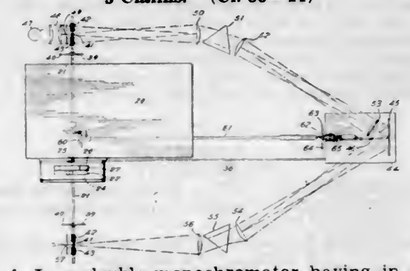
1. Means for controlling the duration of a toasting operation of an automatic electric toaster comprising a toast heating means, a bread carrier movable into toasting and non-toasting positions relatively to the toast heating means and normally yieldingly biased into non-toasting position, means to cause movement of the carrier into toasting position and a pivotally supported latch member for holding said carrier in toasting position, said duration controlling means including a timing means adapted to be energized simultaneously with movement of the carrier into toasting position, a pivotally-mounted detent member adapted to overlappingly engage the latch member to hold the latter in carrier-holding position and adapted to be turned on its pivot by the timing means to be disengaged from the latch member and electromagnetically actuated means for causing movement of the latch member relative to the detent member before engagement therebetween to vary the amount of overlap of said members and thereby the length of time before disengagement therebetween by said timing means.

2,236,378
VIBRATING SCREEN
Gustave A. Overstrom and George Overstrom, Eagle Rock, and Conrad Overstrom, Altadena, Calif.
Application September 7, 1939, Serial No. 293,658
9 Claims. (Cl. 209—243)



1. In a device of the class described, in combination, a feed trough having an outflow lip and sides extending beyond said lip, a sliding gate at the inflow end of said trough, said gate being positionable so that its lower edge is at an angle to the trough bottom in a vertical plane transversely of said trough, and means between said outflow lip and said gate and pivoted on vertical axes spaced across said trough to direct the flow of material as modified by said gate.

2,236,379
MONOCHROMATOR
Orrin Weston Pineo, Milo, Maine, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
Original application September 2, 1938, Serial No. 228,127. Divided and this application September 26, 1940. Serial No. 358,570
5 Claims. (Cl. 88—14)



1. In a double monochromator having in optical alignment a light source, a variable width entrance slit, a spectrum forming prism, an intermediate slit consisting of a mirror and slit defining member both mounted on a movable carriage, a second prism and a variable width exit slit and driving means for moving the carriage so as to cause the exit slit progressively to receive bands of light through the spectrum,

the improvement which comprises means actuated by a part of said driving means to vary the width of the slits so that they transmit in all portions of the spectrum light bands of constant range of a function of wavelength, said means containing a linkage inter-connecting the drive means and the slit defining members, the linkage including a cam actuated by said drive means and having a profile proportional to the logarithm of the slit width for constant range, the cam driving an adjustable linear portion of the linkage which in turn drives an exponential cam drive to the slit defining members, the exponential cam drive having a ratio variation such that the motion in the linear portion of the linkage is proportional to the logarithm of the movement of the slit defining members, and means for adjusting the adjustable linear portion of the linkage to effect a relative movement of one cam with respect to the other.

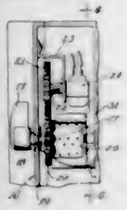
2,236,380

MOTION PICTURE PROJECTOR APPARATUS

Joseph Rausch, Oak Park, Ill., assignor to Classroom Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 17, 1940, Serial No. 314,248

3 Claims. (Cl. 88—17)



1. In a motion picture projector, the combination of, a housing, a film gate provided with a light aperture, a light source in the said housing, an electric motor for operating the film-advancing device embodied in said projector, a switch for controlling circuit to said motor, a light-penetrable heat screen normally disposed out of the path of light traveling from said light source to the said light aperture, a shaft rotatably journaled in the said housing for supporting the said heat screen, and means including a manually operable control member, cooperable with the said shaft, for simultaneously operating the said switch and moving the said heat screen into effective position in the path of light traveling from the said light source to the said light aperture, said last-named means including a second shaft rotatably journaled in the said housing for operating the said switch; and a gear train between said shafts.

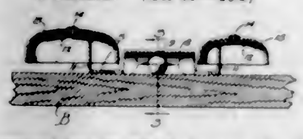
2,236,381

MUSICAL TOY

Maurice Rich, Jr., Clinton, Iowa, assignor to Rich Manufacturing Company, Clinton, Iowa, a corporation of Illinois

Application December 23, 1940, Serial No. 371,244

3 Claims. (Cl. 46—191)



1. A musical toy in which is comprised a pair of spaced gong bells having their axes in parallelism, a common mounting for the two bells consisting of a strap formed near its opposite ends with parallel arms each terminating in an upturned ear adapted to fit within and engage the dome centrally within one gong bell, means connecting each bell at a central point fixedly to the associated ear, a runway extending along the strap between the two bells forming a confining tunnel open only at its two ends opposite the bells with whose margins it lies in closely spaced relation, and a ball rollable within the runway and confined to movements in a straight line therewithin adapted to strike the margin of one bell at the end of each of its rolling movements.

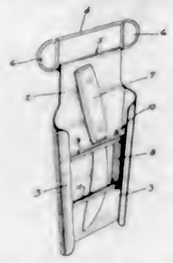
2,236,382

SCABBARD

Philip L. Roberge, South St. Paul, Minn.

Application November 21, 1938, Serial No. 241,644

1 Claim. (Cl. 224—3)



An all metal scabbard comprising a body formed from a blank of sheet metal, opposite edges of said blank being outwardly and inwardly bent to form upright oppositely disposed guide channels, said channels being disposed at an incline with respect to each other, and gradually diminishing in size in a downward direction, and a member comprising vertically spaced horizontal bars offset from the plane of said body, said bars having their terminals secured to oppositely disposed portions adapted to be wedgingly received in said channels, thereby to firmly support the member in said body, and whereby it may readily be removed therefrom, when necessary, to facilitate cleaning the scabbard, and the upper bar of said member being spaced a greater distance from said body than the lower bar thereof, whereby a knife blade may readily be inserted between said bars and body.

2,236,383

PACKAGE OF SASH CHAINS

Theodore Russell, Naugatuck, Conn.

Application December 21, 1938, Serial No. 246,987

1 Claim. (Cl. 206—47)



A chain and chain fixture package comprising a sack having a length of chain stacked therein with one end of the chain at the bottom and the other end of the chain at the top of said sack, a bag containing chain fixtures in said sack, the top end portion of said chain being wrapped about said bag, and said wrapped bag being disposed in said sack on top of the chain stacked therein and being of sufficient size to substantially cover the top of the stack of chain in said sack to keep said chain in position therein and to render the upper free end of said chain readily available upon opening said sack.

2,236,384

FLASHLIGHT

Arthur Samuels, New York, N. Y.

Application January 18, 1939, Serial No. 251,462

1 Claim. (Cl. 240—10.61)



A device of the character described, comprising in combination, a battery cell having an outer wall cylindrical cup terminal of one polarity containing therein an inner terminal of opposite polarity and a sealed electrolyte filler; said outer terminal having an upper integral portion extending tubularly above said seal; a lamp carrier socket having integral means for connecting and mounting the socket in fixed position solely with the outer terminal upper extension and in spaced relation with the seal and filler; said means being a disc and having peripheral means to cooperate with cooperative means on the tubular extension to interlock said members; said peripheral means comprising a bead on the peripheral edge of the disc and cooperative recess therefor on the inner surface of the upper extension; said disc having integral lamp-mounting means therewith; said lamp being movable in said socket so as to make or break the circuit of said cell when moved in or out of contact with said inner terminal; a portion of said lamp extending outside of said disc and cell.

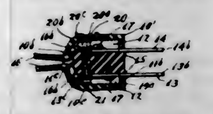
2,236,385

PLUG CONNECTOR

Martin Schneider, New York, N. Y.

Application July 22, 1939, Serial No. 285,835

1 Claim. (Cl. 173—361)



In a plug connector, a tubular body having an open front and a restricted open rear end, a core threadedly engaged into said body through said open front end, contact strips mounted on said core and extended beyond the front end thereof, conductor wires attached to said contact strips and projected through said restricted open rear end, and means on said body engageable with said core for preventing said core from becoming accidentally disengaged from said body, comprising a leaf spring having one end securely attached to the outside face of said body, serrations formed at points around the circumference of said core, said spring having its central portion projected through an opening formed in said body and engageable with said serrations, said spring having its free end bent away from the adjacent face of said body so that one's nail may be engaged therebeneath to flex said spring to disengage its central portion from said serrations.

2,236,386

ORGANIC SOLVENT SOLUBLE BENZYL ETHER OF DEXTRAN

Grant L. Stahly and Warner W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 4, 1938, Serial No. 238,856

6 Claims. (Cl. 260—209)

1. A new article of manufacture for use as a lacquer and the like comprising benzyl ether of dextran and an aromatic hydrocarbon solvent.

2,236,387

PERSPIRATION INHIBITING COMPOSITION

John H. Wallace, Jr., Princeton, N. J., and Wilfred C. Hand, New York, N. Y.; said Hand assignor to said Wallace, Jr.

No Drawing. Application May 3, 1938, Serial No. 205,702

16 Claims. (Cl. 167—90)

1. A perspiration inhibiting composition comprising a non-toxic water soluble protein coagulating metallic salt of a strong acid and a neutral, water soluble amino compound taken from the group consisting of the aliphatic amides and the aliphatic amino acids and having at least one intact, reactive amino group.

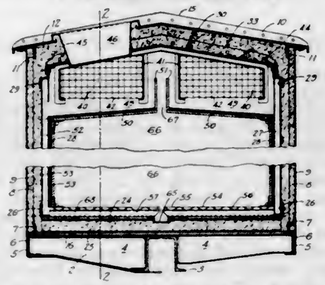
2,236,388

REFRIGERATOR CAR STRUCTURE

Victor E. West New Kensington, Pa., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa., a corporation of Delaware

Application June 10, 1938, Serial No. 213,092

7 Claims. (Cl. 105—404)



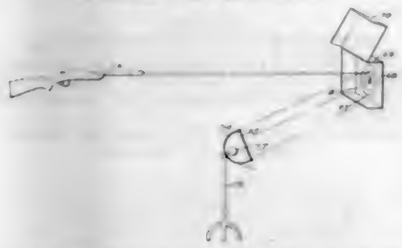
1. In a refrigerator car having an underframe comprising spaced apart transversely disposed parts extending substantially between opposite side margins of the car, a sub-floor supported by said parts, spaced apart members above said sub-floor arranged to be each supported solely by one of said underframe parts, inner side sills extending between and supported by said members adjacent the outer ends of said underframe parts, a main floor extending between said sills, insulation between said main floor and sub-floor, inner frame members secured in an upstanding position to said sills, lining secured to said frame members substantially in contact therewith, outer sheathing spaced outwardly from said frame members, means to secure the sheathing to said underframe parts independently of said sills, an outer roof extending between the sheathing on opposite sides of the car, a ceiling supported by said frame members in spaced relation to said roof, insulation between said sheathing and said lining and between said roof and

said ceiling, spaced apart carlines extending across the car, means associated with the upper parts of said inner frame members to support said carlines, and refrigerant containers supported by said carlines.

2,236,389
VULCANIZATION OF RUBBER
Ira Williams, Borger, Tex., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1939, Serial No. 301,155
16 Claims. (Cl. 260—784)

1. The method of vulcanizing rubber which comprises incorporating into a rubber mix, prior to vulcanization, a small proportion of a hexamethylene dithiocarbamic acid compound of the group consisting of salts of hexamethylene dithiocarbamic acid, thiuram sulfides of hexamethylene dithiocarbamic acid and esters of hexamethylene dithiocarbamic acid.

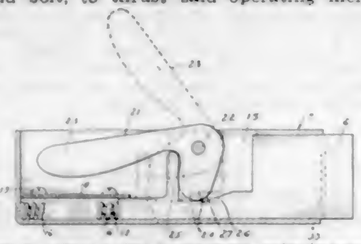
2,236,390
LIGHT RECORDING APPARATUS
Fred E. Wood, River Forest, and Horace Dawson, Evanston, Ill.
Application March 26, 1938, Serial No. 198,338
2 Claims. (Cl. 273—101.1)



1. In apparatus of the class described, a target member provided with a surface layer excitable by certain rays of light to luminosity, means for illuminating said target to render the entire target surface visible to the eye by light rays which illuminate but do not substantially excite said surface to luminosity, and a light discharge means in the shape of a firing iron adapted to be held in the hands of the user at a spaced distance from said target for momentarily projecting a confined beam of rays of a type adapted to excite said layer to luminosity upon a spot on said target layer to cause said spot to become luminous against a non-luminous but visible target background.

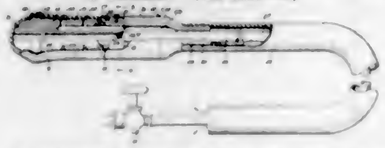
2,236,391
LOCKING DEVICE
Frederick R. Zabel, New York, N. Y.
Application April 3, 1940, Serial No. 327,544
9 Claims. (Cl. 292—173)

1. A locking device comprising a slidable bolt-member having a bolt at its forward end, a spring tending to press said bolt-member forwardly, a pivoted operating member having a handle portion, and being adapted to withdraw said bolt when said handle portion is moved to operate said operating member, and cooperating wedging means on said bolt-member and on said operating member and operative on a partial rearward movement of said bolt-member, at all times except when said handle has been moved to operate said operating member for the withdrawal of said bolt, to thrust said operating member



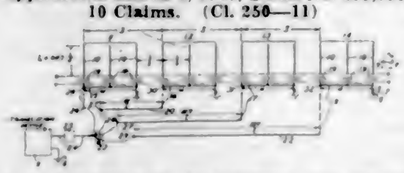
toward its pivot point to prevent swinging movement of said operating member and further rearward movement of said bolt member.

2,236,392
CONCRETE COMPACTING TOOL
Joseph F. Barry, Brooklyn, N. Y., and Joseph J. Harley, Tenafly, and Walter S. Hayford, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1939, Serial No. 283,356
3 Claims. (Cl. 259—1)



1. A pneumatic concrete compacting tool comprising a mandrel having an air inlet path longitudinally thereof, an elastic member fitted under tension over said mandrel to normally close said air inlet path at one end of said mandrel, means carried by said mandrel at its periphery cooperating with said elastic member to form a circumferential air outlet path, the elastic member under air pressure from said air inlet path being caused to alternately expand longitudinally and circumferentially upon the successive passing of the air under pressure from said air inlet path to said outlet air path.

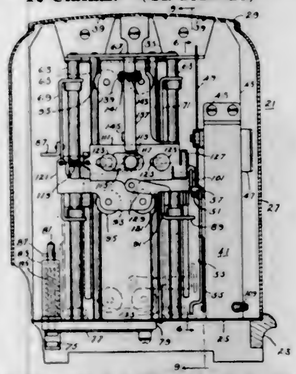
2,236,393
DIRECTIONAL ANTENNA
Alfred C. Beck, Red Bank, and Harald T. Friis, Rumson, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1939, Serial No. 259,098
10 Claims. (Cl. 250—11)



1. In combination, an antenna unit comprising a plurality of antenna members spaced on the general path of desired radiant action, substantially, a transmission line extending along said path, a plurality of low impedance condensers, each member being coupled to the line by a separate condenser, and a translation device connected to an intermediate point on said line, the difference in the lengths of the paths connecting

said device to said members being related to the spacing between said members and the wave velocity on said line.

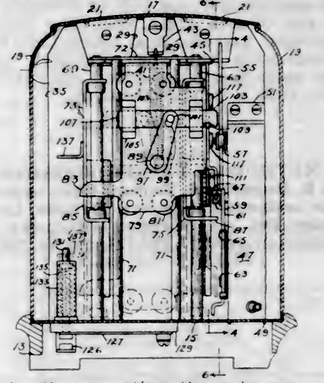
2,236,394
TIMER CONTROL MEANS
Herman M. Biebel, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application October 18, 1939, Serial No. 299,940
10 Claims. (Cl. 161—16)



1. In an automatic electric toaster comprising toast heating elements, a bread carrier movable into toasting and non-toasting positions relatively to the toast heating elements and normally yieldingly biased into non-toasting position, a mechanical timer, a carriage operatively connected with the carrier, a knob rotatably mounted on the carriage and effective to cause movement of the carriage and of the carrier in one direction into toasting position, a detent for holding the carrier in toasting position, a timer-winding and detent-trip member fixedly mounted on the carriage effective when the carrier is moved into toasting position to condition the timer for operation, said timer then operating to cause return movement of the carriage and the timer-winding and detent-trip member to cause the latter to engage and effect release movement of the detent a predetermined length of time after starting to operate, the improvement comprising a second detent-trip member movably mounted on said carriage normally biased out of alinement with said fixedly mounted detent-trip member, means operable by the knob only when said carriage has been moved a given distance in said one direction to move said second trip-member into alinement with said fixedly mounted trip member to cause timer-effected return movement of the second trip member to effect release movement of said detent in a shorter length of time than said predetermined length of time and means to hold said second detent-trip member in said alined position.

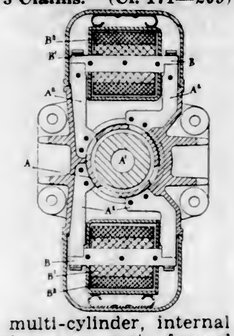
2,236,395
TIMER CONTROL
Herman M. Biebel, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application October 27, 1939, Serial No. 301,555
8 Claims. (Cl. 161—16)

1. In an automatic electric toaster comprising toast heating elements, a bread carrier movable to toasting and non-toasting positions relatively to the toast heating elements and normally yieldingly biased to non-toasting position, means movable through a fixed distance in one direction to cause the carrier to move into toasting position, a detent to hold the carrier in toasting position and a mechanical timer, the improvement comprising a timer-winding and detent-trip member mounted on the carrier moving means, effective to cause wind-up of the timer when the carrier is moved into toasting position and then being



moved by the operating timer to cause release movement of the detent, said trip member having two opposite limiting positions relatively to its support to cause selectively different wind-ups of the timer and selectively different durations of operation of the timer before said trip member engages and causes release of said carrier-holding detent and means normally locking said trip member in one of its limiting positions.

2,236,396
MAGNETO FOR INTERNAL COMBUSTION ENGINES
Walter Bryan and Geoffrey Robson North, London, England, assignors to Simms Motor Units Limited, London, England, a British company
Application September 14, 1938, Serial No. 229,869
In Great Britain November 26, 1937
3 Claims. (Cl. 171—209)



1. For a multi-cylinder, internal combustion aircraft engine, a magneto formed as a single integral unit, and comprising, in combination, a main driving shaft, a single rotor carried thereby, two primary and two secondary stationary windings co-operating with the rotor so as to produce a maximum high-tension current eight times per revolution of the rotor, two distributors of small diameter on separate spindles arranged parallel to and at equal distances from the main driving shaft and driven thereby

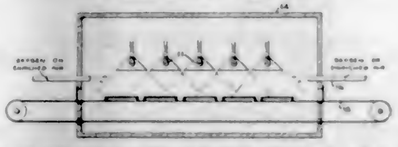
through gearing, a make-and-break device in the circuit of each primary winding, comprising two pairs of contacts connected in parallel with each other and in series with the primary winding and operated by a cam rotating at half the speed of the crankshaft of the engine, which cam has upon its circumference a number of lobes equal to one quarter of the total number of cylinders and is arranged with respect to the contacts in such a manner that one pair of contacts will be closed and opened again while the other pair remains open, and electrical connections between the distributors and the secondary windings whereby each distributor effects the current distribution from a different winding.

2,236,397

METHOD OF DRYING FINISHES

Folsom E. Drummond, Dayton, Ohio, assignor, by mesne assignments, to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware

Application April 17, 1939, Serial No. 268,217
6 Claims. (Cl. 34—24)



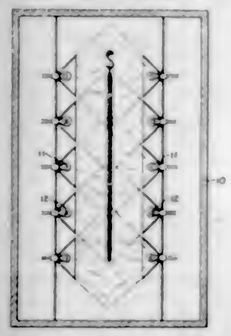
6. A method of producing a wrinkle finish by accelerating the surface drying of the composition in the form of a film comprising the steps of concentrating infra red heat rays onto the surface of the film and simultaneously subjecting said film to air in which oxygen content has been substantially increased above that normally a constituent part of air.

2,236,398

APPARATUS FOR DRYING FINISHES

Folsom E. Drummond, Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware

Original application April 17, 1939, Serial No. 268,217. Divided and this application September 20, 1939, Serial No. 295,804
3 Claims. (Cl. 34—19)



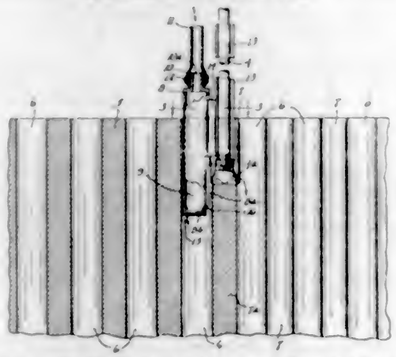
1. A drying apparatus comprising an enclosure, means for retaining coated articles to be dried therein, means comprising infra-red heat and ultra-violet radiating lamps in said enclosure, said infra-red and ultra-violet lamps being arranged in alternate relationship and spaced from the walls of said enclosure so that the ultra-violet and infra-red rays intersect and overlap before contacting the surface of the coated article being dried.

2,236,399

DRILL GUIDE

John G. Eickhoff, Cold Spring, Minn., assignor to Cold Spring Granite Company, Cold Spring, Minn., a corporation of Minnesota

Application August 16, 1939, Serial No. 290,390
8 Claims. (Cl. 255—61)



1. A device for guiding a drill having a shank-equipped enlarged cutting head in drilling parallel interlapping bores comprising, a cylindrical member adapted to slide longitudinally in a completed bore, a drill shank guide disposed parallel to the upper portion of said member, and means rigidly interconnecting said member and said guide, the respective axes of said member being so spaced that a bore drilled by a drill guided by said guide will interlap a bore containing said member, said member being cut away in portions for clearance from said cutter head, said member being hollow and having a closure and an inlet for fluid under pressure at its respective lower and upper ends, the peripheral wall of said member having a fluid outlet port therethrough adjacent the lower end thereof at the side thereof nearest said guide and said closure having a fluid outlet port therethrough diametrically opposite said first mentioned port.

2,236,400

FOLDING TABLE AND HINGE THEREFOR

Joseph Follmer, Denver, Colo.

Application October 9, 1939, Serial No. 298,580
1 Claim. (Cl. 16—165)



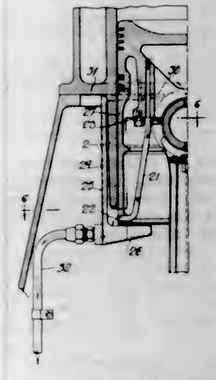
A hinge comprising two hinge plates, each having a notch and two rolled hinge elements separated thereby, the inner end of one hinge element having a notch, one end wall of which forms a stop, a link connecting the two plates, the ends of the link having portions extending underneath the plates and cooperating with the plates to limit rotation in one direction, the link having a projection extending into the notch in the hinge element and engageable with one end wall thereof to limit rotary movement in one direction, the two limiting means preventing a relative rotary movement of more than ninety degrees.

2,236,401

PISTON OIL COOLING SYSTEM

Hewitt A. Gehres, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio

Application January 20, 1940, Serial No. 314,753
5 Claims. (Cl. 123—176)



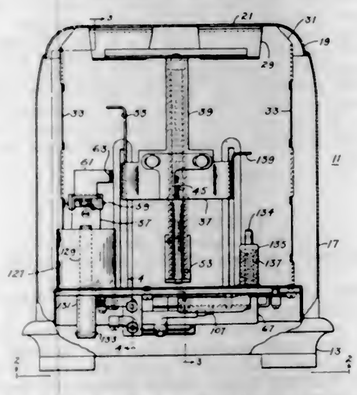
1. In a reciprocating engine in combination: a piston slidably engaging a cylinder wall, means for reciprocating the piston including a connecting rod articulated thereto, the head of said piston containing a closed cavity, and means for circulating cooling liquid through said cavity including, an inlet passage extending thereto through a bore in said connecting rod, and an outlet passage extending therefrom and through the base of the piston wall engaging the cylinder wall, drainage means including a drain box positioned at the base of said cylinder wall, and said cylinder wall being arranged to expose said outlet passage to said drain box during the piston expansion stroke.

2,236,402

THERMAL TIMER FOR AUTOMATIC TOASTERS

John R. Gomersall, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application June 16, 1939, Serial No. 279,386
11 Claims. (Cl. 161—16)



1. A thermal timing means for causing termination of a toasting operation of an intermittently operable automatic electric toaster including a toast heating means and means for initiating a toasting operation, said timing means including a thermally responsive element, an auxiliary electric heater therefor, a control switch for said auxiliary heater, spring means for normally adjustably biasing said switch to auxiliary-heater-energizing position with a predetermined pressure, said thermal element being effective on predetermined rise of temperature to engage said control switch and on appreciable further rise of temperature to cause said control switch to move to heater-deenergizing position to thereby cause cooling of said thermal element and means energized by said switch when the thermal element has cooled to a predetermined lower temperature for causing termination of a toasting operation.

2,236,403

REFLECTING SYSTEM FOR DEVIATING A CONVERGENT PENCIL OF IMAGING RAYS

Norbert Günther, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany

Application January 25, 1940, Serial No. 315,600
In Germany February 9, 1939
1 Claim. (Cl. 88—2.2)



A reflecting system for deviating a convergent pencil of imaging rays, a measuring mark, means for supporting said reflecting system in an optical measuring apparatus, said measuring mark and said means being fixed to said reflecting system, said means consisting of holding means and an axle, the axis of said axle being perpendicular to the plane of the measuring mark in the virtual image produced by said reflecting system of that point in which said axis intersects the measuring plane.

2,236,404

PROCESS OF WORKING UP PIT COAL

Franz Herglotz, Karlsbad, Czechoslovakia

No Drawing. Application August 31, 1939, Serial No. 292,839. In Germany September 7, 1938
5 Claims. (Cl. 44—10)

1. A process of producing briquette from pit coal, which comprises preliminarily moistening said pit coal, drying and finely comminuting said moistened pit coal and thereupon cold pressing said coal to form a briquette without the addition of an extraneous binder.

2,236,405

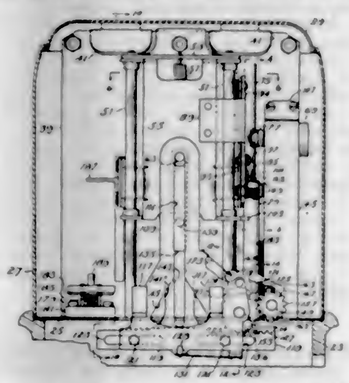
ADJUSTABLE TIMER

Murray Ireland, near Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application January 19, 1940, Serial No. 314,627
9 Claims. (Cl. 161—16)

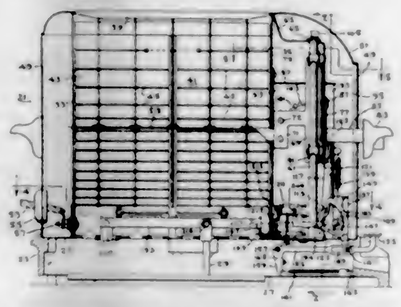
1. Means for varying the speed of a variable speed mechanical timer normally adapted to operate at a given speed to control the duration of a heat treating operation, said means including a knob movable in a given direction to effect winding of the timer and means actuable by the knob

only at the end of its timer-winding movement for selectively varying the speed of operation of



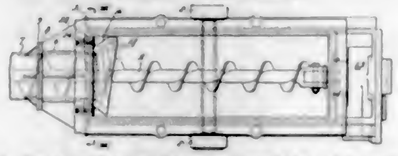
said timer to a higher or to a lower value than said given speed.

2,236,406
TIMER CONTROL MEANS
Murray Ireland, near Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application March 28, 1940, Serial No. 326,357
4 Claims. (Cl. 161—16)



1. Control means for a mechanical timer including a movable member connected with the timer for changing the speed of operation of the timer and means normally yieldingly biasing said speed-changing member to one of its extreme settings, said control means comprising a rotatable shaft mechanically connected with the speed-changing member to change the position thereof, a plurality of lever arms, means individually biasing the lever arms to an inoperative position, mechanical connecting means between the respective lever arms and the shaft, each connecting means including a lost motion, the lost motions being different for the different connecting means to ensure similar amounts of movement of the lever arms effecting different amounts of turning movement of the shaft and correspondingly different amounts of movement of the speed-changing member and a single member for engaging any one of the actuated lever arms to hold it in actuated position, said single holding member being engaged by a later actuated other lever arm to cause release therefrom of the previously actuated lever arm and its return to normal inoperative position.

2,236,407
STOKER
Samuel G. Jones, Princess Anne County, Va., assignor to Berkley Machine Works and Foundry Company, Inc., Norfolk, Va., a corporation of Virginia
Application October 2, 1939, Serial No. 297,427
5 Claims. (Cl. 83—52)



1. In a stoker, a trough provided at its front end with an opening for receiving a conveyor screw, a tube extending forward from said opening and having an extension projecting into the trough provided with a shoulder, a crusher overlying at least the upper portion of said extension and provided with a shoulder engaging said tube shoulder to lock the crusher against movement transversely of the tube, and means for holding the crusher against movement axially of the tube.

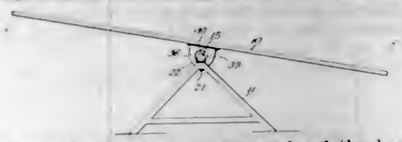
2,236,408
RESILIENT MOUNTING FOR THE DRIVING UNIT IN AUTOMOBILES
Miloš Klavik, Prague, Czechoslovakia
Application February 3, 1939, Serial No. 254,463
In Czechoslovakia February 4, 1938
2 Claims. (Cl. 180—64)



1. A resilient mounting for the driving unit of automobiles having a forked central chassis member, comprising a transverse member connecting the ends of the fork, a bearing for the driving unit in the transverse member, resilient material within the bearing on a portion of which resilient material the driving unit lies, a second bearing for the inner end of the driving unit placed in the crotch of the forked chassis member and resilient material supporting the second bearing.

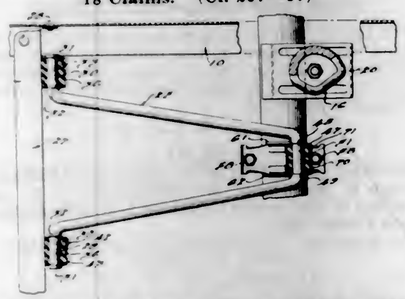
2,236,409
TEETER BOARD
Guy R. Lanman, El Reno, Okla.
Application December 4, 1939, Serial No. 307,521
3 Claims. (Cl. 272—54)

1. The combination with a teeter board and the supporting legs therefor, of an axle fixed to the legs, a bearing means suspended from the teeter board revolvably receiving the axle, springs disposed between the teeter board and the bearing means, resilient brake bands within the bearing means embracing the axle, and brake levers connected to the brake bands and slidably connected to the teeter board, said levers being adapted to be released when the springs are compressed by



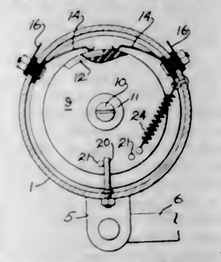
the weight of players on the ends of the board, said springs immediately starting application of the brake by actuation of the brake levers when one of the players gets off the teeter board.

2,236,410
REAR END SUSPENSION
John W. Leighton, Port Huron, Mich.
Application May 24, 1940, Serial No. 337,001
18 Claims. (Cl. 267—67)



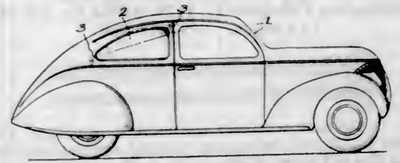
1. The combination with a vehicle chassis frame, a cross frame member thereon, and an axle housing member extending transversely of the frame in spaced relation to the cross frame member, of a one piece U-shape bar having diverging legs terminating in offset, outwardly directed ends which are substantially parallel to the base of the bar, means providing a rubber bearing on one of said members for each of said ends on the bar, and means providing a rubber bearing on the other member for the base of the bar, each of said ends and base portion of the bar having longitudinally spaced upset shoulders providing a shallow annular groove or recess between them for locating the rubber bearing.

2,236,411
VISCOSITY COUPLED SWITCH
Herbert E. Metcalf, Walnut Creek, Calif., assignor to E. H. Kueffer, Oakland, Calif.
Application November 30, 1938, Serial No. 243,197
9 Claims. (Cl. 200—33)



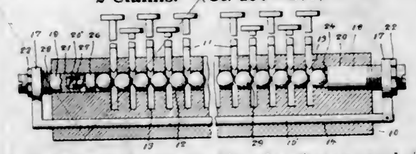
3. A switch comprising a driving member, a spaced driven member, a pair of contacts operated by motion of said driven member, and a dragging coupling of semi-solid grease between said members.

2,236,412
AUTOMOBILE VENTILATING DEVICE
Willard L. Morrison, Lake Forest, Ill.
Application May 9, 1938, Serial No. 206,745
6 Claims. (Cl. 296—44)



1. An automobile ventilating device comprising a portion having a window opening therein, a window pivotally mounted therein on an inclined axis extending in a generally longitudinal direction, a sealing device of resilient material surrounding the window, and positive means for moving the sealing device toward the window to tightly press it against the window and for moving the sealing device away from the window to permit the upper edge of the window to be moved outwardly and the lower edge of the window to be moved inwardly into the interior of the automobile.

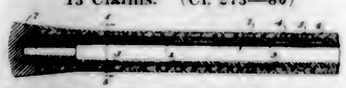
2,236,413
TYPEWRITER KEY GUIDE
Fred Pirnat and Philip Pirnat, Colorado Springs, Colo.
Application December 26, 1939, Serial No. 310,990
2 Claims. (Cl. 197—107)



1. The combination with the frame and the key levers of a machine, of a frame bar connected to the frame and underlying and extending transversely of the key levers, the frame bar being provided with a ball channel extending longitudinally thereof, a series of balls in contact with each other from end to end of said channel, the frame bar being provided with vertical slots intersecting the ball channel and in the upper portion of which the key levers normally rest, the frame bar being provided below the ball channel with a longitudinal guide opening, an adjusting bar slidably mounted for endwise movement in the guide opening and having upwardly directed ends spaced from the frame bar, adjusting screws carried by said ends extending into the ends of the ball channel, one end of the ball channel being counter-bored to provide a stop shoulder for contact with the adjusting screw fitting in said end of the channel, a helical spring sleeved on the other adjusting screw between the frame bar and the upwardly directed end of the adjusting bar carrying said screw, yielding means on the last-named adjusting screw normally holding said balls in contact with each other, said helical spring constantly tending to move the adjusting bar endwise to hold the first-named adjusting screw against said stop shoulder, said helical spring and said yielding means permitting the balls on each side of a key lever to be

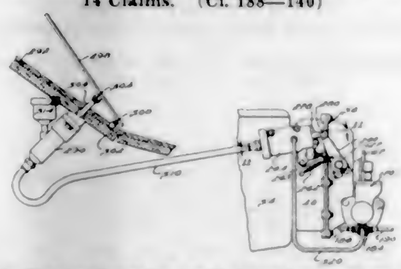
displaced by depression of said key lever only a distance equal to one-half the width of the key lever while all the other balls are disposed in abutting engagement with each other from end to end of the ball channel to prevent more than one key lever at a time being depressed.

2,236,414
ATHLETIC IMPLEMENT
Milton B. Reach, Springfield, Mass.
Application February 27, 1939, Serial No. 258,788
13 Claims. (Cl. 273—80)



1. A tubular athletic implement shaft of thin metal having openings in its wall communicating with the interior of the tube, said openings being spaced apart, and yieldable resilient reinforcing material extending into said openings, said yieldable resilient reinforcing material overlying and engaging the thin metal edges forming the openings and resiliently supporting the said edges against excessive distortion as the shaft twists or torsions in use.

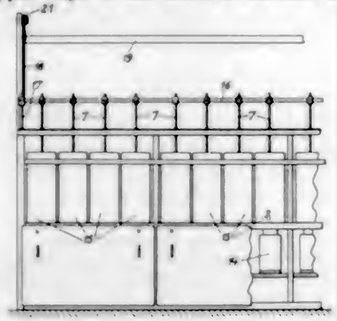
2,236,415
SERVO BRAKE MECHANISM
Robert C. Russell, Cleveland, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 26, 1935, Serial No. 18,355
14 Claims. (Cl. 188—140)



1. The combination with a braking system for a motor vehicle having wheel brakes, a servo mechanism for operating said wheel brakes, said servo mechanism including a rotatable driving member and a rotatable but normally stationary driven member, a hydraulic transmission system connecting said servo mechanism with said wheel brakes including a master cylinder operated by said driven member and a fluid connection between said master cylinder and said wheel brake, and means for effecting frictional engagement of said driving and driven members, of means for maintaining rotational movements of said driven member to a lesser angular speed than said driving member comprising a restriction in said hydraulic transmission system.

2,236,416
MANUFACTURE OF SEAMLESS HOLLOW BODIES OF PLASTIC MASSES
Richard Serenyi and Albert Nadal, Zurich, Switzerland
Application February 4, 1938, Serial No. 188,794
In Switzerland February 12, 1937
1 Claim. (Cl. 18—55)

In a machine for the manufacture of seamless hollow bodies from plastic masses, a rotatable vertical shaft, a mantle mounted on the shaft coaxially therewith, a mold held in said mantle by gravity, upper and lower spacing rings between the outer wall of the mold and the inner wall of the mantle, a cover for said mold lying lightly on the upper edge of the mold to exclude air and

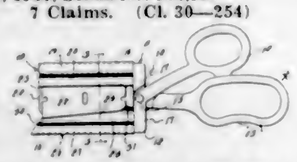


being free to be moved up with respect to the mold under the influence of the moldable substances within the mold to permit escape of excess material, and means to guide the cover in its movements over the mold.

2,236,417
PROCESS OF PRODUCING COLORED PRINTS
Joseph F. Spainhour, Jr., Morganton, N. C., assignor of one-fourth to Nelson J. Jewett, Arlington County, Va.
No Drawing. Application February 23, 1939, Serial No. 258,057
14 Claims. (Cl. 95—88)

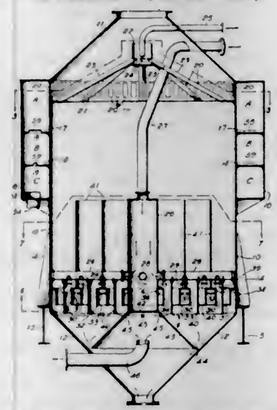
1. The process of selectively dyeing areas of a gelatino-chloride print which comprises: producing a wash-out relief from the print; treating said print with a solution of tannic acid; and promptly applying a dye to the thus treated print to take in washed out areas.

2,236,418
SCISSORS
Byron L. Atchison, Abilene, Kans.
Original application September 16, 1937, Serial No. 164,260. Divided and this application January 18, 1940, Serial No. 314,547
7 Claims. (Cl. 30—254)



1. A scissors comprising a shear frame including a pair of pivotally connected handle members, portions formed integral with and disposed at an angle to said handle members, said portions projecting in opposite directions to aline in one position, polygonal shaped shanks formed integral with said portions and projecting therefrom substantially at right angles thereto, said shanks being parallel when said portions are alined; a frame including a portion shaped to closely engage one of said shanks, said frame portion terminating in spaced jaws for engaging the head of a safety razor blade and being provided with inturned portions for engaging beneath said head, one of said portions being elongated to engage against one side of the blade to provide reinforcing means therefor; a second frame having a portion shaped to closely engage the other shank, a blade element formed integral with said second frame and projecting from the shank engaging portion, the exposed side of said razor blade being positioned to slidably engage one side of said blade element, and said blade element having its free edge tapered toward its outer end and beveled on its opposite side to provide a cutting edge for co-acting with the razor blade.

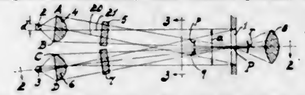
2,236,419
APPARATUS FOR TREATING SUGAR JUICES
Henry A. Benning, Ogden, Utah
Application September 16, 1939, Serial No. 295,177
11 Claims. (Cl. 127—12)



5. Apparatus for the continuous liming and carbonation of sugar juices comprising a tank for holding a mixture of raw juices and previously carbonated juice, means for supplying a CO_2 bearing gas to said tank, an annular chamber surrounding said tank and constituting a mixing chamber, a substantially horizontal perforate partition dividing said chamber into a plurality of superposed sections, an upper one of said sections being in communication with said tank through an annularly arranged series of ports, a conduit leading from the lower portion of said tank and terminating in a substantially horizontal discharge portion in a lower one of said sections whereby previously carbonated juice is conducted to said chamber and introduced thereinto in a substantially circumferential flow, means associated with the perforations in said partition for assisting in maintaining the circumferential flow as material from a lower of said sections passes through said perforations to an upper of said sections, means for adding raw juice to previously carbonated juice conducted to said chamber from said tank, means to introduce lime into the resulting mixture of said juices, and means for discharging carbonated juice from the apparatus.

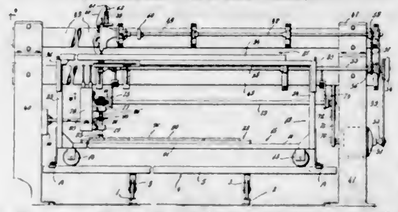
2,236,420
ILLUMINATING DEVICE
Jan Bergmans, Clamor August Lamberts, and Pieter Martinus van Alphen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 9, 1939, Serial No. 255,528
In the Netherlands February 21, 1938
7 Claims. (Cl. 88—24)

1. A device for intensely illuminating a plane whose dimensions are in a ratio less than 10 to 1, comprising a plurality of linear light sources arranged parallel to each other in a row substantially transversely of the projection axis, means associated with each light source to enlarge the projected light and form light spots partly overlapping in the vicinity of the plane and each covering substantially the entire plane with light,



said means comprising for each light source two cylindrical optical members arranged in the path of the light emitted from the source and spaced apart with their axes perpendicular to each other and with one axis parallel to the longitudinal axis of the light source, the illumination cones of the points of the plane consisting of a plurality of plane light cones each originating from one of the light sources.

2,236,421
AUTOMATIC FABRIC STITCHER
Gustav A. Boettcher, Jamaica, N. Y.
Application February 7, 1938, Serial No. 189,239
9 Claims. (Cl. 112—118)

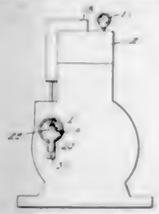


1. In an automatic fabric stitching machine having a movable design board provided with a rail following the contour of the design to be stitched and a rotary operating member engaging with said rail, consisting of a wheel, and a drive shaft for said wheel, the features comprising a bent metal strip forming said rail and having attachment means securing said rail at spaced intervals to the design board, means rigidly associated with said rotary operating member cooperating with said design board to retain the operating member continuously captive to the rail along the various portions of the latter, said drive shaft is separable from the rotary operating member by being capable of being raised axially and is provided with a flange, a rotatable eccentric supported upon a stationary portion of the machine disposed beneath said flange so as to determine the relative raised or lowered positions of said drive shaft with respect to said rotatable member and separate drive means for said eccentric including a prime mover and control means for imparting partial rotations to said eccentric in order to raise or lower the drive shaft at will.

2,236,422
CYLINDER PRESSURE INDICATING MEANS
Orick B. Boley, Beaumont, Tex.
Application March 7, 1938, Serial No. 194,485
4 Claims. (Cl. 73—51)

2. In a cylinder pressure indicating means wherein the cylinder under test is equipped with a pressure gage and a piston movable therein, the combination of a visual indicator in the form of a light directed on the face of the pressure

gage, a circuit maker and breaker, and an energizing circuit containing the latter and the indicator, actuating means for the maker and breaker driven in timed relation with the engine piston, and a mounting for the maker and breaker ad-



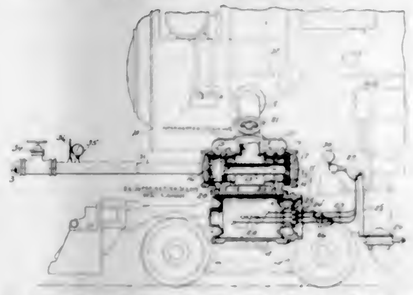
justable to vary the point of actuation of the latter, the said mounting comprising a pair of plates of which one is stationary with respect to the cylinder and the second angularly adjustable with respect to the first and bodily supporting the maker and breaker.

2,236,423

APPARATUS FOR TESTING LOCOMOTIVES

Walter F. Collins, Scarsdale, N. Y.

Application July 20, 1938, Serial No. 220,406
4 Claims. (Cl. 73—51)



1. Apparatus for simulating actual road performance in the standing test of a locomotive having a boiler, a cylinder, a valve chest, a connection between the boiler and valve chest, front and rear exhaust passages, a connection between the exhaust passage and the valve chest, and an exhaust nozzle, comprising the combination of means for supplying a predetermined quantity of water to the cylinder for reducing the temperature of superheated steam in the cylinder, means in the valve chest for initially supplying superheated steam to the cylinder at one end thereof and subsequently directing the steam, together with an added amount of steam flashed from the water, from the opposite end of the cylinder to both the front and the rear exhaust passages simultaneously to reduce pressure of the steam, means connected to the exhaust passages for extracting an amount of steam equal to the steam flashed from the water, and means for delivering the resultant steam to the exhaust nozzle.

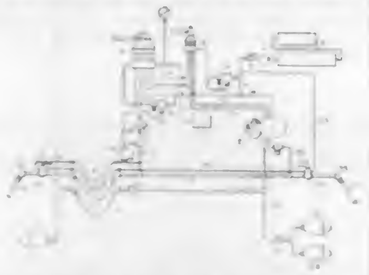
2,236,424

AIR BRAKE

Parker Dodge, Chevy Chase, Md., assignor to The New York Air Brake Company, a corporation of New Jersey

Application June 6, 1940, Serial No. 339,200
4 Claims. (Cl. 303—14)

1. In an automatic air brake system, locomotive brake equipment comprising a brake pipe; an engineer's brake valve normally connected to control pressure in said brake pipe; a double heading cock controlling the connection between said engineer's brake valve and said brake pipe;



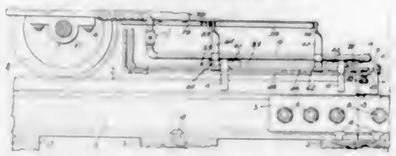
two stops cocks, one for closing each end of the brake pipe; and protective means controlled by the simultaneous positions of said three cocks and effective when said three cocks are simultaneously open and ineffective if any one is closed.

2,236,425

APPARATUS FOR HEAT TREATMENT OF METAL

Earl M. Evleth, Chicago, Ill., assignor to The Bastian-Blessing Co., Chicago, Ill., a corporation of Illinois

Application September 3, 1937, Serial No. 162,307
2 Claims. (Cl. 266—4)



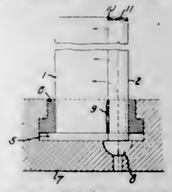
1. In combination in a heat treating apparatus, a heating head, a plurality of gas passages arranged in said heating head, means for supplying gas to said passages, a plurality of gas outlet openings from each of said passages, a plurality of cooling medium passages formed in said head, an inlet for said cooling passages, an outlet from said cooling passages, and a quenching head spaced away from said heating head, a support for said quenching head, said quenching head including a passage for a cooling medium, and discharge openings from said passage to the exterior of said quenching head, and a connection from the cooling medium passage of said heating head to said quenching head, the support for said quenching head comprising a cooling medium conduit connected with the cooling medium passages of said heating head, said quenching head including a hollow elongated portion embracing said support and forming in part a fluid passage between said support and the cooling medium passage within said quenching head, and a perforation in said support in communication with said elongated portion of said cooling head, the said perforation being smaller than the length of said elongated portion whereby the cooling head may be adjusted longitudinally of said support while maintaining a communication from interior of said support through said perforation, and through said elongated portion of said head into the cooling fluid passages of said head.

2,236,426

TURBINE BLADE

Paul Faber, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland

Application July 21, 1939, Serial No. 285,822
In Germany July 27, 1938
7 Claims. (Cl. 60—41)



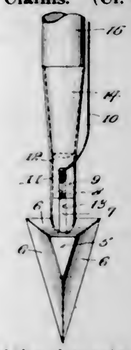
1. In a turbine blade construction for high temperature gas turbines, a blade comprising a main section and a fore section in advance of the main section and constituting the leading edge of the blade, a blade carrier having a groove for receiving blades and a channel for cooling fluid opening into said groove, a passage extending longitudinally of said fore section and open through a longitudinal slit to one side of the blade, means mounting the inner ends of said blade sections in the groove of said blade carrier with the passage of said fore section in direct communication with the channel of said blade carrier.

2,236,427

FISHING TACKLE

Wellington E. Garrison, Millville, N. J.

Application August 29, 1939, Serial No. 292,483
3 Claims. (Cl. 43—6)



1. A device of the character described, comprising an elongated handle having a sleeve secured to one end thereof and provided with an elongated slot in one side thereof, an arrow-head lead having a reduced portion frictionally held in the sleeve, and an eye carried by the upper end of the reduced portion of the arrow-head lead and having a line secured thereto extending outwardly through the slot.

2,236,428

VEHICLE LUGGAGE CASE

Verne P. Haas, Silverpeak, Nev.

Application May 31, 1939, Serial No. 276,707
2 Claims. (Cl. 296—37)

1. In a motor vehicle including a top having a roof and a ceiling, fixed walls between the roof and ceiling and providing a compartment within said top, said ceiling covering the bottom of the compartment and providing a closure therefor, the closure being slit transversely adjacent to one end of the compartment to provide access means for the compartment, fastening means for the access means for holding the same closed, a luggage receiving case carried within said compartment, and means connecting one end of said case



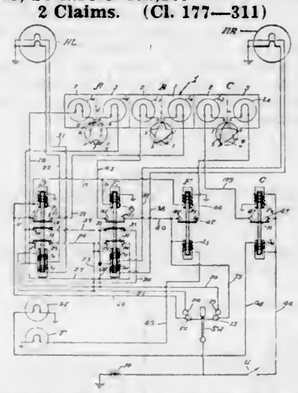
to the rear end of the compartment for holding the case suspended from the compartment when removed therefrom and for supporting said case for the latter to rest upon the back of a seat of the vehicle at an inclination to facilitate application and removal of luggage with respect to said case.

2,236,429

ELECTRICAL INDICATOR CIRCUITS

George W. Hipsley, San Salvador, El Salvador, assignor of ten one-hundredths to Juan G. Mathé, San Salvador, El Salvador

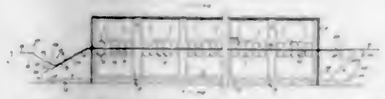
Original application February 5, 1935, Serial No. 5,141. Divided and this application February 23, 1938, Serial No. 192,120
2 Claims. (Cl. 177—311)



2. In an apparatus for indicating the failure of a lamp on a vehicle such as an automobile, an energizing circuit for said lamp, an electromagnet having a movable core and serially connected with said lamp in said energizing circuit, an electrically operable indicator, an energizing circuit for said indicator connected in shunt relation with the series connected lamp and electromagnet, normally open switch contacts in said indicator energizing circuit for controlling the same, an armature carried by said movable core for controlling said contacts and gravity-biased to open circuit position, said electromagnet serving to magnetically hold said armature positively in open circuit position when the lamp is energized, a second electromagnet having a movable core connected to the opposite side of said armature and arranged to act in opposition to said first electromagnet, said second electromagnet being connected in shunt relation with the series-connected lamp and first electromagnet, said sec-

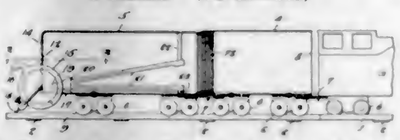
ond electromagnet being incapable of moving said armature against the force of gravity and the magnetic forces of said first electromagnet but arranged to actuate the armature to switch closing position whenever said first electromagnet is de-energized due to failure of said lamp, thereby to close said indicator energizing circuit to give an indication of the failure of said lamp.

2,236,430
RUG DRIER
Alpheus O. Hurxthal, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application April 30, 1938, Serial No. 205,342
4 Claims. (Cl. 34—12)



1. The combination of an endless conveyer adapted to support a plurality of rugs of similar or varying shapes and dimensions adjacent each other simultaneously on one face of the conveyer, rug anchoring pins secured to said conveyer and projecting outwardly from said face thereof in relatively closely spaced relation to each other longitudinally and transversely of the conveyer to pierce and anchor each rug at a multiplicity of relatively spaced points regardless of its shape and dimensions over the entire area of each rug within the marginal boundaries thereof, a resilient faced roll rotatably mounted above said face and extending completely across the conveyer from side to side of said face for pressing the rugs progressively down on said pins into flat contact with said face of the conveyer, and means for drying said rugs while anchored to said conveyer by said pins.

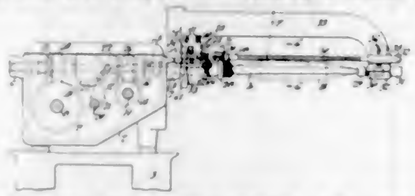
2,236,431
TOY, ADVERTISING, AND DISPLAY DEVICE
"R" Lee Hollingsworth and Elizabeth Hollingsworth, Riverhead, N. Y.
Application October 12, 1939, Serial No. 299,226
6 Claims. (Cl. 46—113)



1. In miniature rolling stock, a vehicle, a fixed guiding structure upon and along which the vehicle moves, to define the direction of travel of the vehicle, the guiding structure including a sound track following the direction of travel, and a sound reproducer on the vehicle and including a part separately movable in a transverse direction cooperating with the sound track when the vehicle is advanced.

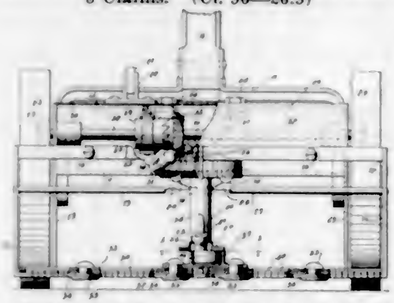
2,236,432
WINDING MACHINE
Walter V. Jacobson, Apponaug, R. I., assignor to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts
Application June 12, 1939, Serial No. 278,739
18 Claims. (Cl. 242—27)

1. In a winding machine for winding filling cops or bobbins with an axially-advancing traverse, means for rotating a bobbin, a traverse-element extending longitudinally of the bobbin, said traverse-element having a continuously advancing helical formation on its periphery of greater extent than the length of the required traverse and adapted for engaging a strand of



yarn, means for effecting relative reciprocation between the traverse-element and bobbin to traverse the yarn on the bobbin, and means for rotating the traverse-element to progressively advance the yarn therealong whereby to advance the range of traverse longitudinally of the bobbin.

2,236,433
LAWN MOWER
William C. Klein, Allentown, Pa.
Application August 22, 1940, Serial No. 353,757
8 Claims. (Cl. 56—26.5)

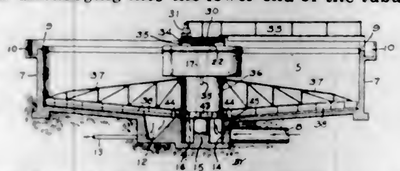


1. A lawn mower provided with a reciprocating cutter, an electric motor mounted on said lawn mower and provided with a horizontally disposed driven shaft, a perpendicular shaft, gear means for connecting said shaft to the driven shaft of the electric motor, eccentric means associated with said perpendicular shaft for actuating the reciprocating cutter, a horizontal shaft disposed crosswise of the driven shaft, gear means connecting the ends of said horizontal shaft to the ground wheels of the lawn mower, a beveled gear keyed to the perpendicular shaft, a beveled gear rotatably mounted on the horizontal shaft and meshing with said aforementioned beveled gear, and clutch means for keying said last mentioned beveled gear to the horizontal shaft for driving the wheels of the lawn mower.

2,236,434
SEDIMENTATION APPARATUS
John H. Knowles, Larchmont, N. Y.
Application January 7, 1939, Serial No. 249,704
5 Claims. (Cl. 210—55)

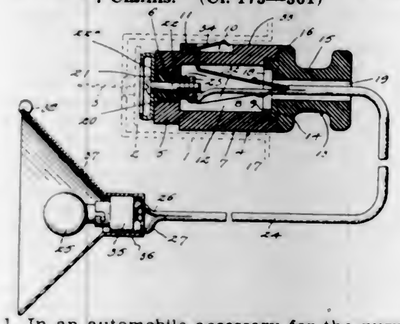
1. Sedimentation apparatus comprising a tank having a bottom and sides, an effluent overflow that determines the operating liquid level therein, sediment discharge means, a fixed pier, a turnable member comprising a tubular drum having at the lower portion thereof a ring-shaped sealing element and also having liquid release area,

arms extending from the drum and rotating therewith, blades on the arms for acting upon the sediment on the tank bottom, means associated with the pier from which said tubular drum is rotatably supported, a motor and speed-varying devices for motivating said drum, and a fixed conduit for incoming feed having an upflow discharge section disposed at the base of the pier and discharging into the lower end of the tubular



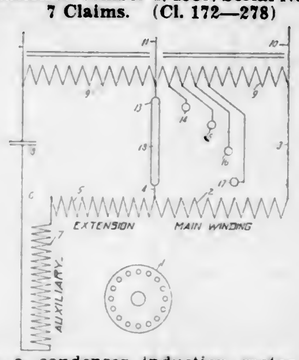
drum and having at the upper portion thereof a stationary ring-shaped sealing element that is juxtaposed and cooperatively related to the ring-shaped sealing element of the tubular drum whereby the drum forms a rotatable terminal section of the otherwise fixed conduit and the pier is surrounded by said rotatable terminal section as well as by liquid flowing upwardly through said rotatable terminal section.

2,236,435
AUTOMOBILE ACCESSORY
Samuel D. Lockshin, Mansfield, Ohio
Application June 29, 1939, Serial No. 281,983
7 Claims. (Cl. 173—361)



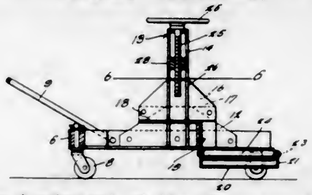
1. In an automobile accessory for the purpose set forth, an electrical connecting structure for the circuit conductors of a trouble lamp disposed remote from said structure and adapted for correlation with the socket forming member, within the automobile for a cigar lighter, said structure including a tubular plug-like body of non-conducting material having coaxially arranged openings at its outer and inner ends and adapted for removably inserting into said socket member and for the passage therein from its outer end of the said conductors, said body being formed of a casing open at its inner and outer ends and a tubular pull knob extended from the outer end of said casing, an axially apertured contact positioned against the inner end edge of the casing adapted for electrical connection with an electrical source when the structure is inserted in the socket member, an axially apertured element of non-conducting material arranged within the opening at the inner end of said body and secured to said casing, an electrical conducting member extending through said contact and element into the casing, said member correlating with said contact and element and having means at its outer end for securing the contact against the inner end of the casing and having means at its other end within the casing adapted to electrically connect it to a conductor for the lamp, and resilient combined ground forming contact and plug holding means carried by said casing adapted, when the said structure is inserted in the socket member to electrically and frictionally engage with the latter, the said resilient means having a portion arranged within the casing adapted to be electricaly connected to the other conductor for the lamp, a portion extending outwardly through the body of the casing and a portion arranged exteriorly of the casing for inherently binding against the socket member.

2,236,436
CONDENSER INDUCTION MOTOR
Frank J. Lyden, Dayton, Ohio, assignor to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application November 1, 1939, Serial No. 302,399
7 Claims. (Cl. 172—278)



1. In a condenser induction motor, a main stator winding, a transformer connected at one end with one end of said main winding and having a plurality of intermediate taps, selective means for connecting the other end of said main winding with any one of said taps, a main phase extension winding connected at one end with said selective connecting means, a condenser circuit connected at the other end with said extension winding and with the other end of said transformer and including an auxiliary winding displaced with relation to said main winding, and a condenser.

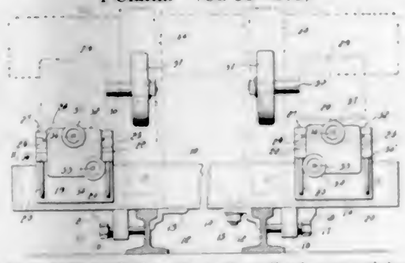
2,236,437
WHEEL HANDLING CARRIAGE
Albert Mackowiak, Crookston, Minn.
Application September 6, 1938, Serial No. 228,631
2 Claims. (Cl. 254—2)



1. An implement of the character described comprising a carriage-like structure, said structure including a horizontally disposed substantially U-shaped chassis frame, a super-structure including vertically disposed side members, a vertically slidable structure between the said side members, said super-structure spanning the leg portions of the chassis frame, laterally disposed arms on the slidable structure, said arms being underslung to a level below the said slidable

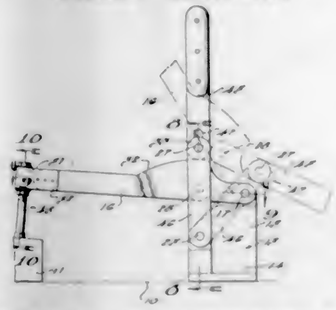
structure and being operative with the slidable structure below, between and above the free end portions of the U-shaped chassis frame.

2,236,438
LOCOMOTIVE AND CAR WHEEL GRINDING MACHINE
Roger G. McGowan, Youngstown, Ohio
Application January 4, 1940, Serial No. 312,425
1 Claim. (Cl. 51—179)



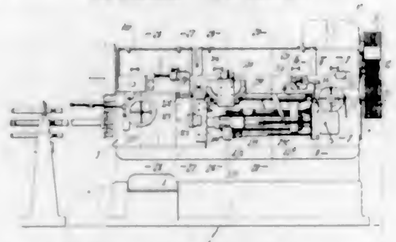
Apparatus of the class described comprising a beam adapted for disposition transversely with respect to a pair of track rails, said beam having a horizontal wall to rest directly on the rails and a vertical wall rising therefrom, depending bracket means carried by the horizontal wall to rigidly clamp said beam to the track rails, a grinding unit mounted on said beam for operation to grind the periphery of a wheel of rolling stock, said unit comprising a vertical wall disposed against and welded to the first mentioned vertical wall, a horizontal shelf integral with the last mentioned vertical wall extending forwardly therefrom at the top, webs connected to the shelf and last mentioned vertical wall, a bed plate disposed on said shelf having a depending front portion, a second plate slidably mounted on the bed plate, a third plate slidably mounted on the second plate for movement in a direction at a right angle thereto, said second plate having an upper part rising at the front thereof and a lower part in line therewith depending at the front thereof, means mounted by the lower part geared to said portion, means mounted by said upper part operable to slide the third plate, a motor mounted by the third plate, and grinding means rotatable by said motor on an axis parallel to the beam.

2,236,439
CLAMP
Frank L. McKenna, Detroit, Mich.
Application April 4, 1940, Serial No. 327,928
6 Claims. (Cl. 144—290)



1. A clamp including, in combination, a standard, a work engaging arm pivoted thereon and provided with a cam surface, an operating arm pivoted on said standard, a link pivoted on said operating arm and having a slot and pin connection with said work engaging arm, and a roller on said operating arm engageable with said cam surface.

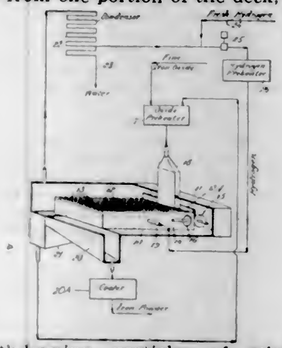
2,236,440
AUTOMATIC MULTIPLE SPINDLE MACHINE
Carroll E. Miller, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application February 4, 1938, Serial No. 188,644
24 Claims. (Cl. 29—37)



1. In a machine of the class described, a machine frame comprising a bed, a hollow column extending from one end of said bed and having a chamber therein provided with a removable cover, a rotatable drum supported above said bed spaced from said column, a plurality of rotary work spindles arranged in circular series about the axis of said drum, a drive shaft for said work spindles arranged in the axis of said drum and projecting into said chamber, means for rotating said shaft, end tool mechanism for acting on work carried by certain of said spindles and including a rotary shaft extending into said chamber, and driving connections between said shafts located in said chamber, said cover extending laterally of said shafts and adjacent to the ends thereof, whereby said connections are freely accessible to the operator when said cover is removed.

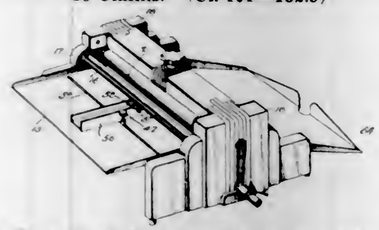
2,236,441
METALLURGICAL APPARATUS
Charles Hardy, Pelham Manor, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware
Original application December 23, 1939, Serial No. 310,791. Divided and this application January 27, 1940, Serial No. 315,963
2 Claims. (Cl. 266—1)

1. In apparatus for producing finely-divided metal particles from finely-divided particles of a compound of the metal, the combination which comprises a chamber, a shaking table disposed in said chamber and provided with a corrugated perforated deck adapted to support a bed of the particles with the corrugations of the deck extending in the direction of passage of heavy particles along said deck toward an end thereof, a gas chamber underlying said deck and communicating with the bed therethrough, means for imparting a tabling motion to the deck to bring about separation of particles of different specific gravity, a supply of reducing gas, means for preheating said gas, means for forcing the preheated gas into the chamber underlying the deck and through the bed, means for feeding particles of the compound onto the deck, means for withdrawing metallic particles of high specific gravity from one portion of the deck, and means



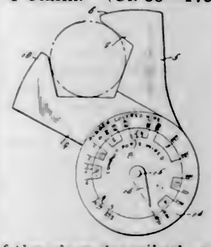
for withdrawing particles of relatively low specific gravity from another portion of the deck.

2,236,442
DUPLICATING MACHINE
George G. Neidich, New York, N. Y.
Application July 29, 1939, Serial No. 287,379
16 Claims. (Cl. 101—132.5)



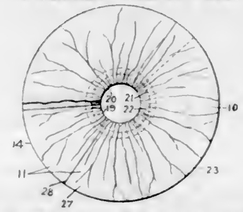
1. In a duplicating apparatus, a master roll adapted to carry a master sheet from which copies are to be made, stationary moistening means extending lengthwise of said roll and adjacent thereto, a moisture area limiting device adjustably movable relative to said moistening means lengthwise of said roll and said moistening means, and means on said device arranged cooperatively with said moistening means to cause the latter to moisten only a narrow strip of a copy sheet fed to the apparatus, whereby a narrow section only of said master sheet is duplicated on said copy sheet.

2,236,443
GAUGE
Louis Oboler, Chicago, Ill.
Application March 9, 1939, Serial No. 260,842
1 Claim. (Cl. 33—178)



A gauge of the class described, said gauge comprising a first jaw member composed of a flat plate comprising a substantially circular portion and an elongated jaw extending from said circular portion, a second jaw member consisting of a flat plate comprising a rounded portion provided with gear teeth and another portion constituting a jaw for cooperating with the jaw of the first jaw member, a rotatable shaft passing through the center of the circular portion of the first jaw member, a pinion fixed on an intermediate part of said shaft and meshing with the gear teeth of the second jaw member, a pair of circular plates engaging the outer faces of the circular portion of the first jaw member and of the rounded portion of the second jaw member, respectively, at least one of said circular plates being traversed by said shaft, a filler plate positioned between the circular portion of the first jaw member and the adjacent one of said circular plates, said filler plate being located on the opposite side of said pinion from the second jaw member, said filler plate comprising arms projecting on opposite sides of said pinion and the adjacent gear tooth-equipped portion of said second jaw member so as to form an enclosed space for protected movement of the pinion and the adjacent portion of the second jaw member, a pivot pin passing through the two circular plates, the circular portion of the first jaw member and through the tooth-equipped portion of the second jaw member and forming a pivot for the second jaw member, the outer face of one of the circular plates having a dial thereon, and a pointer fixed on the adjacent end of said shaft for moving over the dial when one jaw member is moved relative to the other.

2,236,444
SELF-COOLING BUFFING WHEEL
Clarence J. Peterson and Arthur H. Peterson, Meriden, Conn.
Application October 18, 1940, Serial No. 361,734
7 Claims. (Cl. 51—193)



1. In a buffing wheel, a relatively long base strip, a plurality of flat folded pads laid side by side upon said base strip, and a top strip covering said pads, said base strip, pads, and top strip being rolled as a unit into cylindrical form and drawn together along the longitudinal center line thereof to form a flat apertured disc with the base strip on the outside thereof and the pads on the inside.

2,236,445
DRYING PROCESS
William H. Pfeiffer, Woodside, N. Y., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application January 29, 1940, Serial No. 316,213
13 Claims. (Cl. 34—24)

1. In the art of drying an article having a finished surface which is wet with water, the steps of immersing the article in a primary bath of an organic liquid solvent selected from the class consisting of the alcohols, ketones and esters, removing the article from the primary bath and

immersing it in a secondary bath of an organic substance selected from the class consisting of the chlorinated solvents, removing the article from the secondary bath, immersing the article in a tertiary bath the temperature of which is maintained approximately at the boiling point thereof, said tertiary bath comprising a substance the properties of which are substantially similar to those of the secondary bath, withdrawing the article from the tertiary bath and passing the article through a body of vapor given off by a liquid similar in properties to that of the tertiary bath, and removing the dry article.

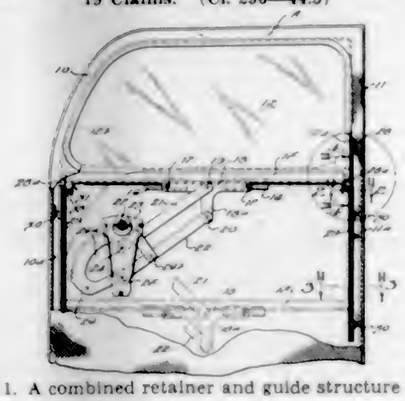
5. In the art of drying an article having a finished surface which is wet with water, carrying on in the order named, the steps of thoroughly wetting the article with a liquid alcohol, and thereafter passing the article through a hot chlorinated solvent.

2,236,446
COMB
John Giacomo Pucci, Westerly, R. I.
Application March 29, 1940, Serial No. 326,712
4 Claims. (Cl. 132—18)



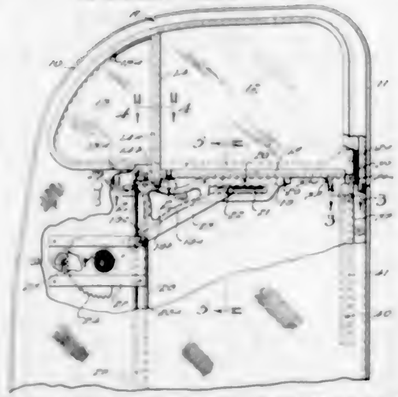
1. A comb having teeth projecting downwardly from the upper portion thereof comprising a central parting tooth triangular in section substantially throughout the height thereof having a rear wall comprising a triangle base and equilateral side walls converging forwardly substantially to a front apex line at at least 20° from the perpendicular to the comb with the rear and side walls of said triangle converging downwardly near the lower end thereof to a parting tip at the front of the lower end thereof and groups of teeth on each side of said parting tooth, each group having side walls substantially parallel to the respective side walls of said parting tooth and similarly inclined, providing groups of oppositely inclined parallel grooves between them for curling the hairs and urging them in opposite directions obliquely outwardly from said parting tooth.

2,236,447
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application September 30, 1937, Serial No. 166,615
19 Claims. (Cl. 296—44.5)



1. A combined retainer and guide structure for a vehicle window panel adapted to be mounted in a window frame for up and down sliding movement, comprising a metal channel member adapted to be secured to the lower edge of the panel and having means for connection thereto of a window regulator, and a guide member secured to the bottom of said channel member and projecting in a direction longitudinally of the channel member beyond one end thereof and adapted to cooperate with a fixed guide carried by the window frame, said guide member comprising a projecting stud and a spring pressed compression device slidable on the stud in a direction longitudinally of the channel member and adapted to slidingly engage a fixed upright guide on the window frame.

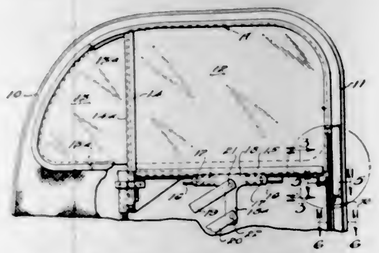
2,236,448
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application November 11, 1937, Serial No. 174,094
14 Claims. (Cl. 296—44.5)



1. In a window structure of the type having a window opening, a window well therebelow formed between inner and outer body panels, and a transparent panel slidable up and down in said window opening and well; an upright guide member adapted to be mounted in said well and lying substantially in the plane of the panel but beyond one upright edge thereof, a bracket secured to the lower edge of said panel and overlapping a longitudinal face of the guide member and having a plurality of transversely extending devices spaced in a vertical direction and slidingly cooperable with the guide member, said guide member being free of engagement with said panel.

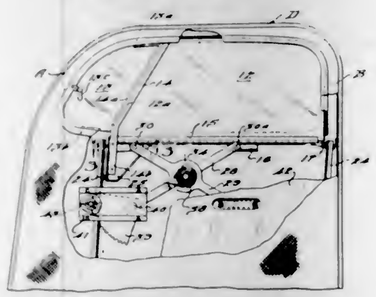
2,236,449
VENTILATING WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application November 22, 1937, Serial No. 175,780
29 Claims. (Cl. 296—44.5)

1. In a window structure of the type having a window opening, a window well therebelow, a pivoted wing type panel and a vertically slidable main transparent panel cooperable to close said opening, said main panel having a bar secured to its upright edge adjacent the pivoted panel and provided with a depending extension within the well; a pair of upright guide members adapted to be mounted in said well, each lying out of the path of travel of one upright edge of the main panel beyond said edge, a bracket adapted to be secured to the lower edge of the main panel and having a guide device extending longitudinally of the panel below said depending extension



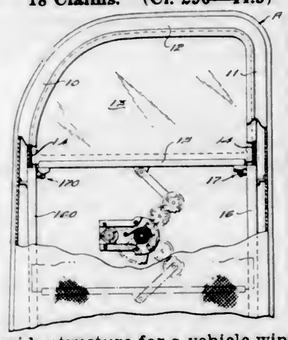
for engagement and travel along with one of said guide members, a bracket adapted to be secured to the lower edge of the main panel at the opposite end thereof and having a guide device extending longitudinally of the panel and cooperable with the other guide member for travel along the same.

2,236,450
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application June 29, 1938, Serial No. 216,534
Renewed November 2, 1939
20 Claims. (Cl. 296—44)



2. In a window structure for a vehicle body having a window frame of which the upper portion is in the form of a closed figure defining a window opening with a window well therebelow formed between inner and outer body panels and, an up and down sliding window panel movable into and out of said well and window opening; a pair of upright fixed guides within the well below said opening, guide devices on the bottom of the window panel at opposite ends thereof including a plurality of vertically spaced devices at one end of the window panel and a device on the bottom of the window panel at the opposite end thereof, said devices comprising yieldable means spring suspending the panel on the guides within the well and adapted to be assembled upon the guides by shifting the lower edge of the window panel through the side of the window opening and downwardly through the upper end of the window well.

2,236,451
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application September 2, 1939, Serial No. 293,254
18 Claims. (Cl. 296—44.5)

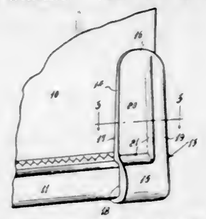


1. A guide structure for a vehicle window panel adapted to be mounted in a window frame for up and down sliding movement said window frame having a well; said guide structure including a pair of guide devices adapted to be fixed to the bottom of the window panel at longitudinally spaced points, each device including a longitudinally bodily movable compression element adapted to travel upon a fixed upright guide within the well, a spring acting against each element to press it against the guide, one of said springs exerting greater effort than the other spring, and means for limiting the retractive movement of one element against its spring caused by the longitudinal displacement of the window panel under the effort exerted by the heavier spring against the other element.

2,236,452
ALLOY
Clayton T. Rogers, Chevy Chase, Md., assignor to Harvey Geiger, Philadelphia, Pa., as trustee
No Drawing. Application April 13, 1940, Serial No. 329,567
3 Claims. (Cl. 75—155)

1. A copper base alloy of the German silver type having high resistance to corrosion, increased hardness, high tensile strength and being workable and ductile and composed of about 10% to 20% nickel, 5% to 25% zinc, 0.001% to 0.02% phosphorus, and balance copper.

2,236,453
PROTECTIVE CORNER PULL FOR WINDOW SHADES
Jack X. Savage, York, Nebr.
Application October 10, 1940, Serial No. 360,642
6 Claims. (Cl. 156—31)



1. A shade pull comprising an elongated mem-

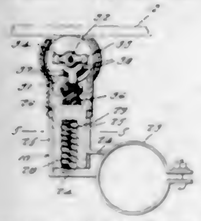
ber having an enlarged end provided with a recess opening outwardly of one side thereof for receiving an end of a window shade stick and the portion of the window shade disposed therearound, said member being provided with an elongated restricted slot opening outwardly of one side edge thereof, said restricted slot opening outwardly of an end of the member and communicating with said recess for receiving a portion of the side edge of the window shade.

2,236,454
LIFTER FOR PANS
Kenneth O. Stambaugh, Zanesville, Ohio
Application May 23, 1940, Serial No. 336,835
2 Claims. (Cl. 294—33)



1. A lifter of the class described comprising a single piece of resilient wire bent upon itself to form a handle having an outer end coil and a pair of side stretches, and a pair of opposed coplaner gripping members outwardly bowed and extending from said side stretches, respectively, said members each comprising a pair of upper and lower spaced apart stretches and a laterally and outwardly turned tip having the form of a square loop, the stretches and tips of said members being formed by bending the wire upon itself and welding the terminal ends thereof to the side stretches of said handle, respectively, and a pair of metal bands welded around said terminals and said side stretches of the handle to strengthen the same.

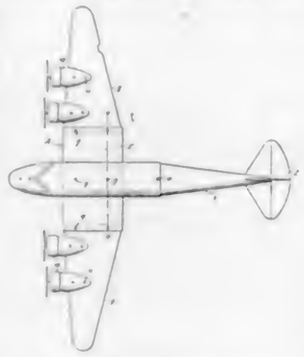
2,236,455
SIGNAL FOR BICYCLES
Wilbur A. Stetz, Fullerton, Pa.
Application June 3, 1940, Serial No. 338,606
1 Claim. (Cl. 200—52)



A switch structure of the character described comprising a roller, a contactor carried by the roller, a pair of contacts stationarily mounted adjacent the contactor, a slidable structure carrying the said roller and a protective shell for the roller, contacts and contactor for supplying means for normally urging the roller, a slide block of insulation on the slidable structure, said slidable block of insulation being dovetailed to the slidable structure and carrying the said contacts.

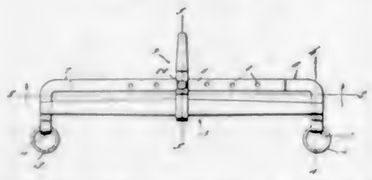
2,236,456
AIRPLANE CONSTRUCTION SET
William Robert Stockham, Jr., Burbank, Calif.
Application March 7, 1940, Serial No. 322,816
3 Claims. (Cl. 46—17)

1. A combination set of toy airplane parts comprising a plurality of elongated tubular body parts representing the fuselages of different types of planes, an elongated and rearwardly tapered tubular part representing the rear part of a fuselage, a rudder and elevators at the rear end of the last-mentioned part, the front end of the last-mentioned part adapted to fit in the rear end of any one of the body parts, screws for holding the two parts together, a central wing section of elongated form and of hollow construction with its ends open, bolts for connecting the central part of said wing section to any one of the



body parts, a pair of outer wing sections having their inner ends fitting in the ends of the central section, fastening means for detachably connecting the outer sections with the ends of the central section, wheel assemblies, fastening means for detachably connecting the wheel assemblies to different parts of the plane, said parts having holes therein for receiving the fastening means, motor and propeller assemblies and fastening means for detachably connecting said motor and propeller assemblies to parts of the plane.

2,236,457
WHIPPLETREE
Alton Strickland, Middlesex, N. C.
Application January 12, 1939, Serial No. 250,610
4 Claims. (Cl. 278—90)

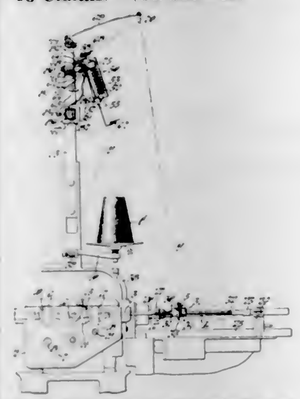


1. A whippletree comprising a pair of longitudinally overlapping bars forming a cross member, said bars being formed with longitudinally spaced holes, a pivot bolt transversing a selected pair of the holes in the bars, said bars having laterally extending portions on their outer ends, a spacer rod arranged substantially parallel to said cross member, said spacer rod being formed in its opposite ends with slots slidably receiving said laterally extending portions, a draft connection comprising a first loop loosely encircling said spacer rod and a second loop extending on the opposite side of said cross member, said draft connection having a portion between the loops pivotally connected to said cross member by said pivot bolt.

2,236,458
PROCESS FOR PREPARING COMPOSITE NEGATIVES FOR USE IN THE PRODUCTION OF PHOTOGRAVURE AND ROTOGRAVURE PRINTING FORMS
Stanley John Verriour, Watford, England
No Drawing. Application May 31, 1939, Serial No. 276,558. In Great Britain May 31, 1938
4 Claims. (Cl. 95—5)

1. A process for preparing a composite positive transparency containing both pictorial and line or type matter for use in the production of photogravure and rotogravure printing forms, comprising the production upon a carrier capable of passing light, of relatively opaque impressions of the type or line matter, preparing from the resulting carrier a photographic contact print on sensitised paper, thereby to secure a paper negative of the type or line matter, combining with the said print, by planning, a paper negative of the pictorial matter, thereby to obtain a composite paper negative, and photographing the said composite negative on to a sensitised transparent base which gives the composite positive transparency.

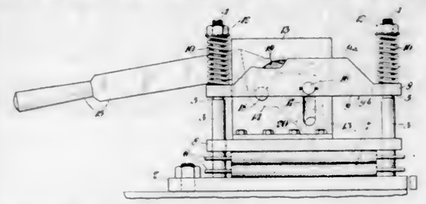
2,236,459
WINDING MACHINE
Ernest R. Swanson, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application March 31, 1939, Serial No. 265,315
13 Claims. (Cl. 242—45)



1. In combination, means for winding a strand of yarn or the like to form a package, means movable into engagement with the strand being wound for applying tension thereto, and electrically-operated means for moving the tensioning means laterally of the yarn strand to relieve the tension on the strand at the start of the winding operation.

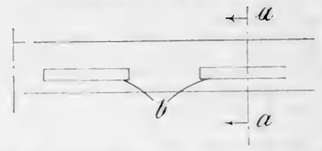
2,236,460
WIPING DEVICE
Edward Thomas, Cleveland, Ohio
Application June 10, 1938, Serial No. 213,067
5 Claims. (Cl. 15—102)

2. A wiping device of the class described comprising a support, guiding means arranged on said support, a pair of pliable wiping pads arranged on said support with at least one of said pads having means arranged therewith cooperating with said guiding means for guiding the same, a movable member arranged on said guiding means on the outer side of said movable pad, means for holding said movable member yieldably against said movable pad in one position



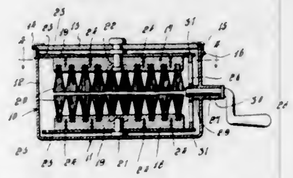
whereby the pads are held yieldably together, and means for moving said movable member to a retracted position out of contact with said movable pad.

2,236,461
PROTECTIVE ARRANGEMENT FOR RADIATORS
James Frank Belaieff, Cyril Terence Delaney, and Wauchope Leslie George, Cricklewood, London, England
Application September 25, 1939, Serial No. 296,456
In Great Britain March 13, 1939
4 Claims. (Cl. 89—36)



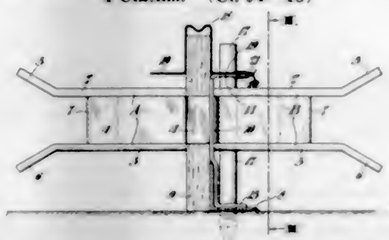
2. A body having an air passage through the same, a pair of radiators spaced apart and disposed in said air passage and having front and rear header tanks, armour plating at the entrance of said air passage and extending to the front ends of said radiators to protect the front header tanks, and a cap of soft material for closing the space between the rear header tanks.

2,236,462
DENTURE BRUSHING DEVICE
Thomas A. Binkley, Wilson, N. C.
Application March 28, 1940, Serial No. 326,491
3 Claims. (Cl. 15—21)



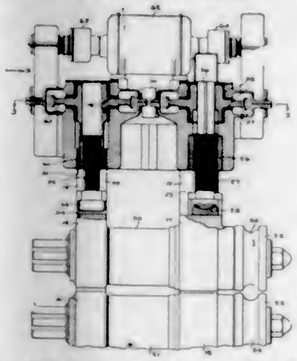
1. A denture cleaner of the class described having a case, a closure on said case movable to an open position, brushes between which a denture is disposable for cleaning, one of said brushes being journaled within the case, the other brush being journaled on the inner face of the closure in opposed relation to the first mentioned brush, means operable from the exterior of the case to rotate said brushes in opposite directions, consisting of a gear within the case, and gear means on the brushes enmeshed with said gear, the gear means on the brush of the closure being demeshable with the gear through opening of the closure.

2,236,463
SUPPORTING FRAME FOR LOAD TRANSFER DEVICES
Alan E. Brickman, Rostravor Township, Westmoreland County, Pa., and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Continuation of application Serial No. 185,212, January 15, 1938. This application November 23, 1938, Serial No. 242,120
4 Claims. (Cl. 94—18)



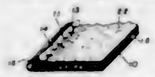
1. In an expansion joint for concrete roadways and pavements, a joint filler disposed upright and extending along the joint, a load transfer device including dowel means disposed transversely of the joint through said filler, a base angle member having a supporting flange and a flange engaging and aligning the filler, an upright anchoring member secured to the base member at one side of the dowel means and having an opening receiving and supporting the dowel means therethrough, said upright member having an apertured flange above and laterally spaced from said opening at the other side of the dowel means, and an upright post extending through said flange and the supporting flange of the base member.

2,236,464
ROLL ADJUSTING MECHANISM
Bernard L. Burns, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application June 8, 1938, Serial No. 212,538
5 Claims. (Cl. 80—56)



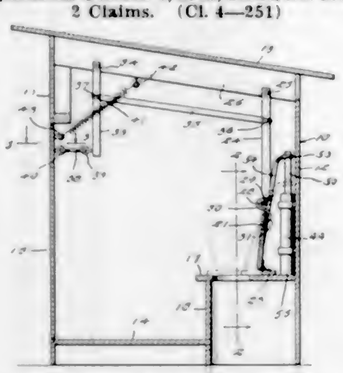
4. A rolling mill comprising a roll, two axially spaced bearings for the roll, two worm gears rotatable in a common plane about parallel axes, means connecting the worm gears to the bearings respectively to adjust the same, two aligned rotatable shafts, a worm on each shaft, the worms meshing with the worm gears respectively, a releasable coupling whereby the adjacent ends of the worm shafts may be connected, a motor having a rotatable shaft extending from both ends thereof and parallel with said worm shafts, a comparatively low ratio driving connection between one end of the motor shaft and one of the worm shafts, a comparatively high ratio driving connection between the other end of the motor shaft and the other worm shaft, and a separate releasable coupling associated with each of said driving connections to control the transmission of power to the associated worm shaft.

2,236,465
PREFORMED COMPOSITE STEP TREAD
Arnold B. Carlson, Aurora, Ill.
Application May 31, 1938, Serial No. 210,805
1 Claim. (Cl. 20—79)



A composite stair tread comprising a preformed metallic plate shaped to cover the tread of a step, a preformed pad of uniform thickness applied to the top surface of said metallic plate, said pad being smaller in surface area than said metallic plate, a preformed carpet shaped substantially to conform with the size of said metallic plate, and bent serrated edge flanges integrally formed on all edges of said metallic plate, the said serrated flanges projecting downwardly through the carpet to permanently retain the carpet under tension in all directions along its entire perimeter over the pad and top surface of said plate.

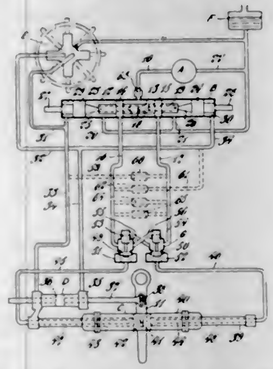
2,236,466
TOILET SEAT CLOSER
George Washington Cashwell, Elizabethtown, N. C.
Application October 7, 1940, Serial No. 360,196
2 Claims. (Cl. 4—251)



1. In a toilet including a housing having a roof, front, rear and side walls, a floor and a door opening in its front, a door hinged to said front wall for closing said opening, a toilet seat in the housing supported above said floor and a cover for and hinged to said seat; a vertically disposed cover closing lever swingingly suspended at its upper end from said roof and having laterally extending means at its lower end engageable with the back of the cover when the latter is raised for swinging the cover downwardly to closed position, a second lever swingingly suspended at its upper end from said roof forwardly

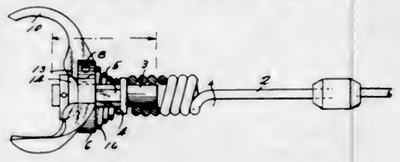
of said first lever, a link pivotally connected to said levers intermediate the ends of the latter, a second link pivotally connected to said door and to the lower end of said second lever whereby to rock said second lever forwardly upon opening of the door whereby the first lever is moved in a like direction for closing said seat, and a spring connected to the door and to the roof for normally urging said door to said closed position and for holding said first lever in an inoperative position.

2,236,467
LIQUID PRESSURE REMOTE CONTROL SYSTEM
Edward Claude Shakespeare Clench, London, England, assignor to Automotive Products Company Limited, London, England
Application March 11, 1939, Serial No. 261,335
In Great Britain March 12, 1938
2 Claims. (Cl. 60—52)



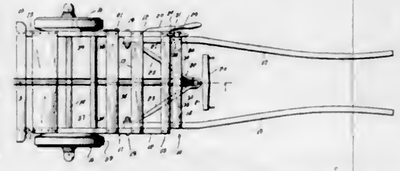
1. In a liquid pressure remote control system having a motor unit fed with liquid under pressure by a continuously driven main pump, the provision of controlling means comprising a reversible flow manually operable transmitter pump, a double acting piston and cylinder structure connected to opposite sides of said transmitter pump by means of a pair of pipe lines and having either the piston or the cylinder operated mechanically by movement of the motor unit to provide a follow-up action, and a control valve having a cylindrical housing, a piston valve member slidable therein and formed with a pair of spaced flanges controlling ports in the housing leading to the motor unit, an axial passageway extending from end to end of the piston valve member and communicating permanently with the space between the flanges, a connection from the main pump also to said space between the flanges, said axial passageway providing normally a free bypass back to the pump, a pair of partition pistons slidable in the housing and providing at the ends thereof a pair of working spaces connected respectively with opposite sides of the transmitter pump, and a tapering projection formed on each partition piston and arranged to close the corresponding end of the axial passageway in the piston valve member, so that operation of said transmitter pump causes one of the partition pistons to move the piston valve member to a position in which both ends of the axial passageway are closed by the tapering projections, thereby diverting the continuous supply of pressure liquid to the motor unit, but causing the pressure of said liquid to act upon a part of the area of said partition piston, thus counteracting in part the force applied to said partition piston by liquid from the transmitter pump.

2,236,468
BORE BORER
Hubert Russell Crane, Los Angeles, Calif.
Application August 4, 1939, Serial No. 288,325
6 Claims. (Cl. 15—104.30)



4. A bore borer including a rotative mandrel, a co-rotative collar splined on the mandrel, a set of independent blades having hubs pivoted on the collar on axes transverse to the mandrel, a fixed cam abutment on the mandrel and said hubs having faces eccentric to their pivots and slidable on the cam to radially move the blades, and a spring normally thrusting the collar toward the said cam.

2,236,469
CORN SHOCK CART
Willie B. Cross, Racine, Ohio
Application April 25, 1940, Serial No. 331,668
9 Claims. (Cl. 214—66)

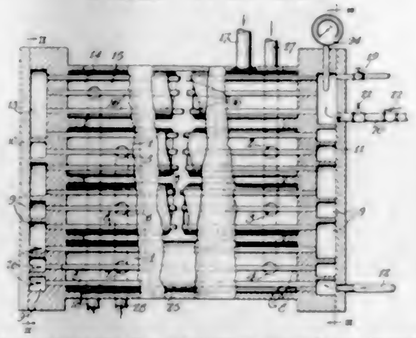


1. A shock conveying cart comprising a body formed of spaced side rails connected by spaced transverse slats, a pair of shafts pivotally connected to the inner sides of the side rails, adjacent their forward ends, and extending forwardly therefrom, a latch member carried by said shafts for engaging the cart body for retaining the shafts in substantially the same plane as the body when in an extended position relatively thereto, a singletree support pivotally connected at the same point with said shafts to the side rails and disposed between the shafts to swing relatively to the shafts and body, latch means for supporting said singletree support in substantially the same plane as the shafts, a tie secured to the free end of said singletree support and extending along the underside of the body and upwardly therethrough adjacent its rear end, ground wheels disposed at the sides of said body and adjacent its rear end, said latch means being operable to release the shafts and singletree support to permit the cart body to be upturned rearwardly to position it against the shock and to allow the singletree support to swing downwardly to enable the tie to be attached around the shock and drawn tight therearound when the singletree support is raised for securely tying the shock on the cart and for thereafter drawing the cart forwardly and swinging the cart body back to substantially a horizontal position.

2,236,470
DEVICE FOR STERILIZING AND COOLING LIQUIDS

Leonardus de Jonge, Rotterdam, Netherlands, assignor to the Syndicate "Jozijdhoff," Rotterdam, Netherlands, constituted by the members: George Jacob van Zijderveld, Jr., George Jacob van Zijderveld, Sr., Johannes van 't Hoff, and Leonardus de Jonge

Original application February 18, 1935, Serial No. 7,143. Divided and this application May 10, 1938, Serial No. 207,138. In the Netherlands February 20, 1934
1 Claim. (Cl. 257—234)

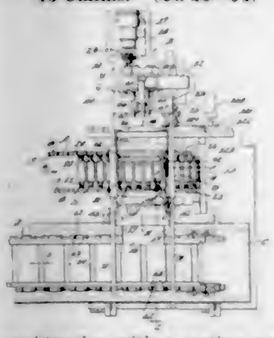


An apparatus for sterilizing putreflable liquids by means of heat comprising a plurality of outer tubes, a plurality of inner tubes located within said outer tubes, each of said outer tubes having a controllable inlet and outlet for a heating medium, relatively spacious chambers interconnecting said inner tubes, and pointed projections in said chambers positioned at substantially the axes of said inner tubes for promoting a whirling motion in the liquid passing therethrough.

2,236,471
CASTING APPARATUS

William F. Eppensteiner, Woodbridge, N. J., assignor to M. H. Treadwell Company, Inc., New York, N. Y., a corporation of New York

Application May 24, 1939, Serial No. 275,564
16 Claims. (Cl. 22—94)

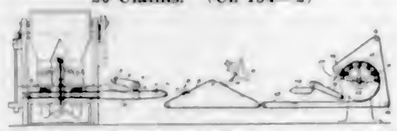


2. In combination with a casting machine having a mold pivotally carried thereon so as to be capable of dumping movement in a substantially vertical plane, a mold discharging device comprising a pivoted member provided with grappling means for swinging said mold about its pivot to and from dumping position, said grappling means providing a lost-motion connection with the mold, whereby during a portion of the swing movement the mold may move freely under the influence of gravity independently of the pivoted member.

2,236,472
METHOD AND APPARATUS FOR MAKING SHOULDER PADS

Aaron Freydberg, Mount Vernon, and William H. Hawkins, Brooklyn, N. Y., assignors to Freydberg Bros., Inc., Stamford, Conn., a corporation of New York

Application October 20, 1937, Serial No. 170,008
20 Claims. (Cl. 154—2)



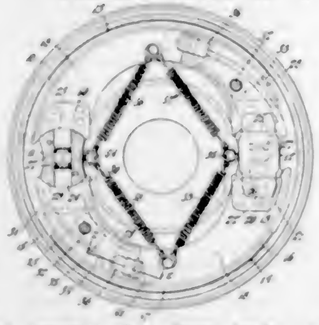
1. The method of forming a shoulder pad blank which consists in successively advancing under air pressure a suspended stream of individual fibers, intercepting the advancing stream to cause a mass of the fibers to be built up and matted together, confining the built-up mass as formed to control the shape of the blank, increasing the air velocity of the stream passing centrally of the place of interception to cause a greater quantity of the fibers to be built up centrally of the blank being formed, and compressing the built-up blank to expel the entrapped air.

4. A machine for making shoulder pad blanks comprising a picker roll, means feeding a web of fibrous material thereto, means rotating said picker roll so that the fibers are pulled apart and removed from said web, an air duct having blower means associated therewith to produce an air current for picking up said fibers and holding the same in suspension, a form interposed in said air current to intercept and receive the suspended fibers whereby a matted blank is built up thereon, means to increase the air velocity of said air current passing centrally through the form, and means for causing relative rotary motion between said form and stream of suspended fibers.

2,236,473
DRUM BRAKE

Geoffrey Robert Greenbergh Gates, London, England, assignor to Automotive Products Company Limited, London, England

Application January 5, 1940, Serial No. 312,583
In Great Britain January 28, 1939
4 Claims. (Cl. 188—78)

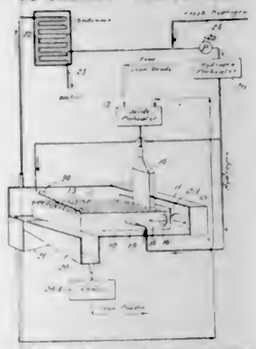


1. An internal shoe drum brake comprising a pair of rigid arcuate shoes of T-shape in radial section, a non-rotatable back plate, a pair of diametrically opposed double-acting shoe-applying devices having a "floating" action, which devices comprise fixed housings and are simultaneously actuated during the normal application of the brake so that both shoes operate in a leading sense during each direction of rotation of the drum, a concave surface at one end of each shoe engaging pivotally with a convex surface upon the fixed housing of the adjacent applying device, a terminal member for each shoe arranged to lie against the shoe web and to engage with the interior of the flange of the shoe, said terminal member being shaped at its outer end with a concave surface engaging pivotally with the fixed housing of the other applying device, and adjusting means acting as a stop between the shoe and the terminal member, but arranged to shift the terminal member relative to the shoe for modifying the lining clearance.

2,236,474
REDUCTION OF METAL COMPOUNDS WITHOUT FUSION

Charles Hardy, Pelham Manor, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware

Application December 23, 1939, Serial No. 310,791
13 Claims. (Cl. 75—35)



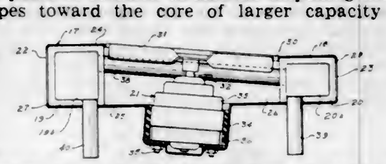
6. In the formation of finely divided pieces of metal by reducing particles of a compound of a metal with a hot gaseous reducing agent without substantial fusion, the improvement which comprises passing the hot reducing gas upwardly through a bed of the particles disposed on a deck provided with a plurality of riffles extending in the same general direction and imparting an approximately horizontal shaking motion to the deck in a direction oblique to the riffles so that metal powders of relatively high specific gravity formed by the reduction travel along the deck in the direction of the riffles and lighter particles containing unreduced metal tend to travel across the riffles.

2,236,475
UNDER-SEAT AUTOMOBILE HEATER

Howard J. Findley, Euclid, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 6, 1939, Serial No. 272,172
3 Claims. (Cl. 257—137)

1. An automobile heater comprising a casing provided with an air inlet opening and a pair of spaced air delivery openings, spaced heat-exchange cores of different heating capacities disposed adjacent said delivery openings, and rotary air-impelling means between said cores and operable about an axis which is inclined so that the plane of rotation of said air-impelling means slopes toward the core of larger capacity for

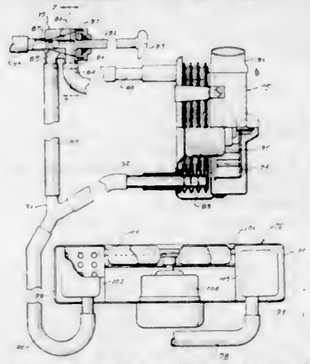


causing air to be drawn in through said inlet opening and discharged through the cores in two streams with the larger stream passing through the core of larger heating capacity.

2,236,476
AUTOMOBILE HEATING SYSTEM

Howard J. Findley, Euclid, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 6, 1939, Serial No. 272,173
2 Claims. (Cl. 237—59)



2. In heating apparatus for an automobile having a windshield and an engine cooling system, a defrosting heater located to deliver heated air to the windshield and comprising a heat-exchange core and a motor-driven air-impelling means, another heater located in the automobile at a point more remote from the windshield and comprising a heat-exchange core and a motor-driven air-impelling means, pipes connecting the heat-exchange cores with said system and with each other, and valve means with said pipes having one setting for supplying heat-containing medium to the defrosting heater and another setting for supplying heat-containing medium directly to the defrosting heater and to the second-mentioned heater simultaneously, energizing circuits for the motors of the motor-driven air-impelling means of said heaters, and switch means in said circuits for selectively controlling the air-impelling means of said heaters.

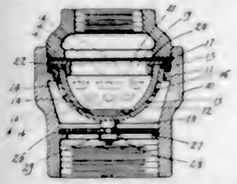
2,236,477
CHECK VALVE

Julius Fuchs, Cleveland, Ohio, assignor of one-half to Augustus J. Baker, Cleveland, Ohio

Application November 13, 1939, Serial No. 304,111
1 Claim. (Cl. 251—119)

A check valve comprising a valve casing assembly consisting of an upper portion, a lower portion, an inwardly projecting seat in the lower portion, a valve cup of hemispherical configuration having circumferentially disposed passage-

ways therethrough and formed with an external peripherial flange and a closed extremity removably mounted on the seat in the lower portion, a resilient flexible valve having a constricted open end facing the closed end of the valve cup and formed with an external peripherial flange adapted to overlie the flange on the valve cup, and having an exterior surface shaped to conform and fit closely to the interior of the valve cup to



close the passageways formed therein, the flexible valve adapted to yield inwardly and upwardly to the pressure of liquid thereagainst from the exterior of the valve cup in letting liquid pass therethrough, and to return to its normal position when pressure is exerted thereagainst on its interior, the valve cup preventing deformation of the flexible valve when pressure is exerted thereagainst interiorly.

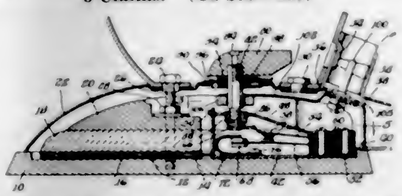
2,236,478

THERMOSTATICALLY CONTROLLED APPLIANCE

James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application January 30, 1939, Serial No. 253,573

8 Claims. (Cl. 200—138)



1. For use with an electric heating appliance having a heated plate, a thermostatic control device comprising a pair of relatively separable contact members spaced substantially above said plate, a thermostatic control element for actuating said separable members, and comprising a temperature responsive member having a portion residing flatwise against said plate and attached thereto, a second portion being bent upwardly from said plate and supporting a third portion in position to engage above one of said contact means to actuate it downwardly as said temperature responsive member responds under the influence of an elevated temperature.

2,236,479

NONAUSTENITIC STAINLESS STEEL

Oscar E. Harder, Columbus, Ohio, assignor to Inland Steel Company, Indiana Harbor, Ind., a corporation of Delaware

No Drawing. Application November 10, 1939, Serial No. 303,863

4 Claims. (Cl. 75—126)

1. A nonaustenitic stainless steel containing carbon in the range of effective amounts to 1.7 per cent, from 8 to 30 per cent chromium and from .03 to .478 per cent lead, the major portion of said lead being substantially uniformly dispersed throughout the steel and the steel having improved machinability as a result of such lead.

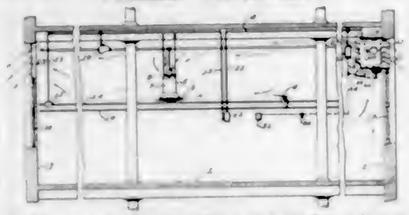
2,236,480

EVAPORATIVE COOLING SYSTEM FOR A HUMIDIFIED INCLOSURE

Albert J. Loepsinger, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware

Application August 19, 1938, Serial No. 225,779

7 Claims. (Cl. 98—33)



1. An evaporative cooling system for a humidified inclosure having a lower stratum to be cooled and maintained at a desired relative humidity; humidifying means distributed about the inclosure in an intermediate stratum above said lower stratum; means adjacent a wall for drawing in outside air and propelling it directly into the atmosphere of the inclosure in an upper stratum above said intermediate stratum in sufficient quantity and with sufficient velocity to be substantially uniformly available to the humidifying means distributed about the intermediate stratum; and exit means for discharge of air from the inclosure located remote from said air propelling means; the said humidifying means acting to move air from said upper stratum into said intermediate stratum and there to highly humidify and cool the air, whereby said highly humidified and cooled air descends from the intermediate stratum into the lower stratum and reduces the temperature of and establishes the desired condition of relative humidity in the air of said lower stratum, there being a general movement of air throughout the inclosure from said air propelling means to said remote exit means.

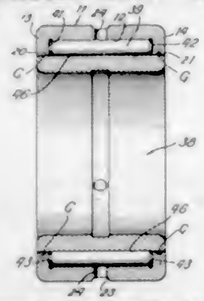
2,236,481

SELF-CONTAINED ROLLER BEARING

Otto Storz, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana

Application February 20, 1939, Serial No. 257,393

6 Claims. (Cl. 308—213)



1. A one-piece roller bearing race ring having a body portion, an annular raceway in said body portion having a roller retaining flange on each side thereof integral with the body portion for

defining the axial limits of said raceway, an annular grease groove in each of said flanges intermediate the axial sides thereof and a yieldable retaining lip on each flange intermediate the grease groove therefor and the raceway, each of said lips being integral with its corresponding retaining flange, and said lips extending toward one another in a substantially arcuate configuration, and a plurality of rollers retained in said raceway by said retaining lips.

2,236,482

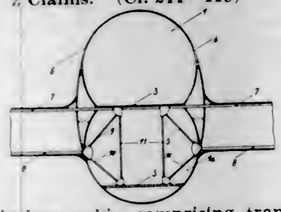
AIRPLANE CABIN

Ernst Zindel, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany

Application September 8, 1939, Serial No. 293,989

In Germany September 24, 1938

2 Claims. (Cl. 244—119)



1. An airplane cabin comprising transversely curved upper and lower shell portions, transversely opposed joints formed along contacting longitudinal margins of the two shell portions, and a flange of a wing spar extending transversely through said cabin and said joints forming at least a portion of a flooring for an upper deck confined within the upper shell portion, said flange being secured to both said shell portions.

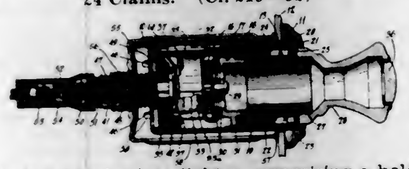
2,236,483

CIGAR LIGHTER

Gustave F. Bahr, Fairfield, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application April 21, 1937, Serial No. 138,133

24 Claims. (Cl. 219—32)



1. An electric cigar lighter, comprising a holder; an igniting unit having a heating element and supported by the holder and removable therefrom for use, said unit being manually movable on the holder from an open-circuit position to a closed-circuit position; a pair of normally spaced contacts; heat-responsive means for causing said contacts to engage to close an energizing circuit for the heating element when said means is below a certain temperature and when the igniting unit is moved to closed-circuit position, said heat-responsive means separating said contacts to open said circuit when said heating element has attained a predetermined temperature; and auxiliary circuit-closing means rendered operative by movement of the igniting unit to said closed-circuit position regardless of the temperature of said heat-responsive means, said auxiliary means being physically separate from said heat-responsive means.

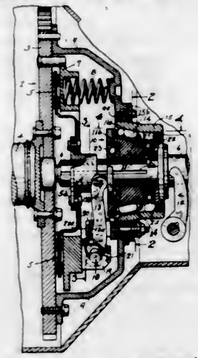
2,236,484

CLUTCH COMBINATION

Carl N. Bergstrom, Portland, Oreg.

Application July 19, 1937, Serial No. 154,424

9 Claims. (Cl. 192—48)



1. In clutch mechanism, a driving shaft, a driven shaft, a primary clutch for connecting said shafts, and an auxiliary driving means comprising a member rigidly secured to the driving member of the primary clutch, a sleeve splined on said driven shaft, rollers interposed between the hub of said rigidly secured member and the sleeve, adapted to drive said sleeve when the primary clutch fails, and means for controlling said primary clutch and said auxiliary driving means.

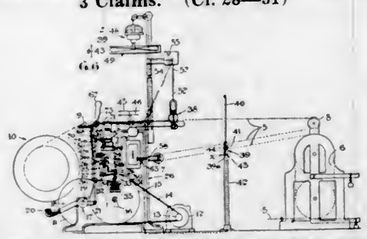
2,236,485

WARP BEAMING MACHINE

William V. Boyd, Cornwall, Ontario, Canada, assignor to Canadian Cottons Limited, Montreal, Quebec, Canada

Application April 6, 1939, Serial No. 266,431

3 Claims. (Cl. 28—51)



1. The combination with a warp beaming machine and its driving motor of a normally open switch arranged to be engaged by a lease carried by the warp when said lease reaches a predetermined point in its travel toward the beam rattle and means functioning in response to closure of said switch to disrupt the drive connection between said machine and said motor.

2,236,486

WARP BEAMING MACHINE

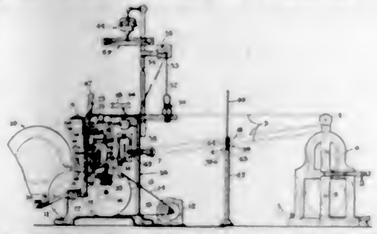
William V. Boyd, Cornwall, Ontario, Canada, assignor to Canadian Cottons Limited, Montreal, Quebec, Canada

Original application April 6, 1939, Serial No. 266,431. Divided and this application May 24, 1940, Serial No. 337,040

3 Claims. (Cl. 28—51)

1. In combination, a warp beaming machine, a motor for driving said machine, a drive connec-

tion between said machine and motor, including a clutch and a normally elevated axially movable clutch releasing rod, the latter normally tending to drop to a clutch releasing position, a releasable latch device normally holding said clutch releasing rod in its elevated clutch releasing position, a latch releasing solenoid adapted, when energized, to release said latch



device to permit said rod to drop to its clutch releasing position, a normally open switch connected in series with said solenoid and a source of current so that the solenoid is energized by closure of said switch, and means actuated by the beam rattle of the warping machine for closing said switch whenever said rattle is displaced to a predetermined abnormal position by snarls in the warp passing therethrough.

2,236,487

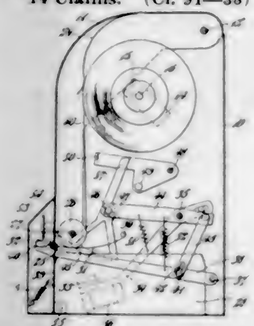
HOLDER FOR ROLLS OR SHEETS OF PAPER

John Lawrence Candler, London, England

Application May 6, 1939, Serial No. 272,077

In Great Britain May 9, 1938

14 Claims. (Cl. 91—38)



1. A holder for rolls or sheets of paper which includes a normally inoperative device for applying liquid to a surface of said paper during withdrawal of the latter from the holder, an actuating member for bringing said device into a liquid-applying position and means responsive to movement of the paper for restoring said device into its inoperative position.

2,236,488

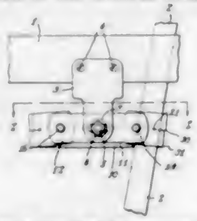
CHECK STRAP

Breckinridge T. Clark, Danielson, Conn., assignor to E. H. Jacobs Manufacturing Company, Inc., Danielson, Conn., a corporation of Connecticut

Refile of abandoned application Serial No. 195,444, March 12, 1938. This application filed July 27, 1940, Serial No. 348,045

2 Claims. (Cl. 139—161)

1. As an improved article of manufacture, a picker stick check strap of the kind described having a central section and two end sections, pivotal connections between each end section and the adjacent end of the central section, said cen-



tral section being divided by cutting a longitudinal slot throughout the mid-portion only of its length.

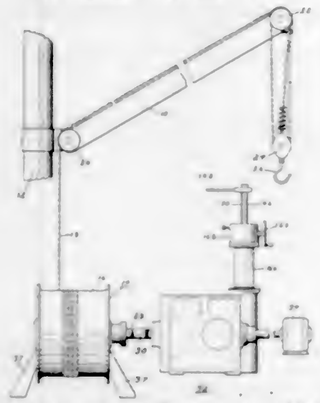
2,236,489

POWER TRANSMISSION

Edwin L. Rose, Waterbury, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut

Application March 28, 1936, Serial No. 71,419

11 Claims. (Cl. 254—172)



8. In a device for pulling on an object while subject to varying external forces counteracting the pull the combination of a winch, variable speed fluid power transmission means for driving the winch, automatic means responsive to load on the winch for controlling the speed and direction of the driving means to maintain a substantially constant, light load on the winch, means manually operable for causing the winch to positively pull in the object at a predetermined pulling speed, said means being ineffective to start pulling until the automatic means has reduced the speed to said predetermined pulling speed, and additional means for selectively varying said predetermined pulling speed, said last means including mechanism operable for manually controlling the speed and direction of the winch independently of the load.

2,236,490

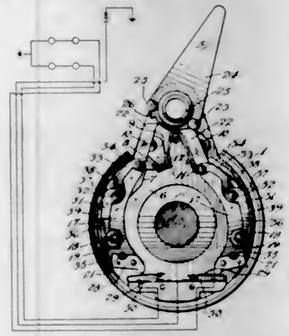
DIRECTION INDICATING DEVICE FOR MOTOR VEHICLES

Carl F. Bierbach, Newark, N. J., assignor to A. D. S. Corp., Newark, N. J., a corporation of New Jersey

Application August 10, 1940, Serial No. 352,124

6 Claims. (Cl. 200—59)

1. In a direction indicating device for motor vehicles, a casing adapted to be mounted upon a steering column, a plate mounted in said casing, a first lever mounted on said plate and having means thereon for closing an electrical circuit, said first lever having one end thereof rounded, a handle pivotally mounted on said plate and having a pin adapted to engage said rounded end of the first lever to move the latter to a predetermined position, a second lever pivotally connected to the first lever, spring controlled latching means for holding said second lever when said first and second levers have been moved by said handle, a third lever pivotally mounted above the first lever, said first lever having a



shoulder thereon adapted to engage the third lever, a fourth lever pivotally connected to the third lever and positioned above said second lever, a pin at the extremity of the fourth lever, a steering wheel having a projection extending downwardly from the underside thereof adapted to engage said pin, said projection passing freely over the pin during the turning of the vehicle and engaging said pin to cause said pin to release the latching means when the steering wheel is turned to straighten out the guide wheels of the vehicle, and spring means to return said levers to their normal positions when the guide wheels have been straightened out.

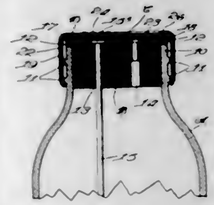
2,236,491

CONTAINER

Argyle Campbell, Glenview, Ill., assignor to Baxter Laboratories, Inc., a corporation of Delaware

Application June 30, 1937, Serial No. 151,250

3 Claims. (Cl. 215—37)



1. In combination with a container having a neck with its opening closed by a plug, said plug having at least one opening therethrough, a clamping ring engaging said container and having an edge extending over said plug, a flexible sealing disk over said plug and having its peripheral edge portion extending between said clamping ring edge and said plug, a metal disk extending over said flexible disk and over said clamping ring edge, and a cap extending over said metal disk.

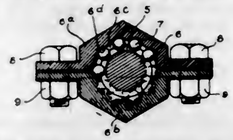
2,236,492

BALL BEARING SCREW AND NUT PORTION

Robert Patrick Costello, Calgary, Alberta, Canada

Application September 18, 1939, Serial No. 295,518

1 Claim. (Cl. 74—459)



A screw and nut connection including a helically threaded screw and a nut cooperating therewith, said nut comprising separate identical and interchangeable portions formed with lateral flanges, bolts passing through said flanges to hold the portions in operative relation, said portions having a series of recesses extending in a single helical line from the edge of one flange to the edge of the other flange, and ball bearings seated and held in each of said recesses and having rolling contact with said helical threaded screw.

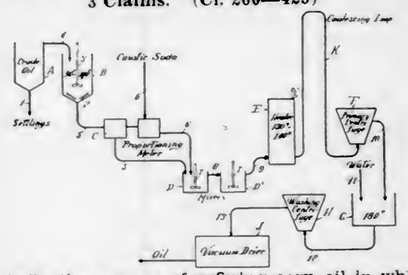
2,236,493

PROCESS OF REFINING CORN OIL

George A. Moore, Oak Park, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

Application June 3, 1938, Serial No. 211,593

3 Claims. (Cl. 260—425)



1. In the process of refining corn oil in which a mixture is made of the crude oil and an alkaline solution, with the application of heat to give the mixture a breaking temperature, whereupon the mixture is centrifuged to separate foots from the oil: the improvement which consists in prolonging the contact between the alkaline solution and the oil by causing the mixture, after being heated, to flow to the centrifugal machine through a substantially vertically arranged conduit whereby settling is prevented, in a homogeneous stream of such length as to allow completion of the reaction between the alkaline solution and the oil impurities and coalescence of the foots particles, whereby a substantially complete separation of impurities takes place.

2,236,494

WIND DRIVEN IMPELLER

Gerhard H. Albers, Sioux City, Iowa, assignor to Wincharger Corporation, Sioux City, Iowa, a corporation of Minnesota

Application December 16, 1939, Serial No. 309,673

9 Claims. (Cl. 170—79)

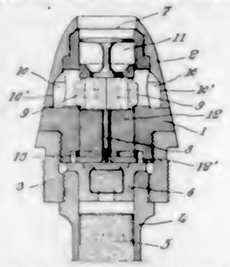


1. A rotatable impeller for wind driven power

apparatus comprising a radially extending blade having leading and trailing edges at any radial position along the blade substantially in a plane normal to the axis of rotation of said impeller, said blade being thicker adjacent its leading edge than adjacent its trailing edge and having its forward and rearward faces curved to form convex airfoil surfaces.

2,236,495
PERCUSSION FUSE
Marc Birkigt, Versoix, near Geneva, Switzerland
Application October 21, 1938, Serial No. 236,366
In Belgium January 21, 1938
9 Claims. (Cl. 102—39)

1. A percussion fuse of the type described which comprises, in combination, a frame, a support movable axially in said frame between two extreme positions, a percussion device carried by said support and movable axially with respect thereto, at least one locking member mounted in said support normally locking said percussion device against movement with respect to said support in an inoperative position, said locking member being movable radially away from the axis of the fuse by centrifugal force to release said percussion device, at least one hole in said frame, said hole being so located that said locking member is in register with said hole only when said support reaches its extreme position



nearest the front of the fuse, and locking means for temporarily locking said support in its other extreme position, said last means being brought out of action by centrifugal force only, whereby said support can move towards the front of the fuse only after the shot is fired.

DESIGNS
MARCH 25, 1941

126,040
DESIGN FOR A MUTE, FOR STRINGED MUSICAL INSTRUMENTS OR THE LIKE
Bernardo Alemany, New York, N. Y.
Application July 1, 1940, Serial No. 93,378
Term of patent 7 years



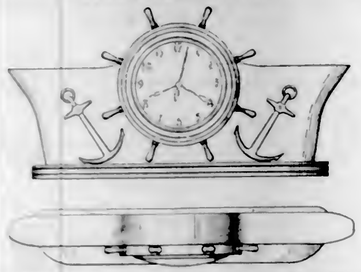
The ornamental design for a mute, for stringed musical instruments or the like, substantially as shown and described.

126,041
DESIGN FOR A TOILET BRUSH
Eric Leopold Hugo Cosby, London, England
Application July 20, 1940, Serial No. 93,812
In Great Britain February 20, 1940
Term of patent 14 years



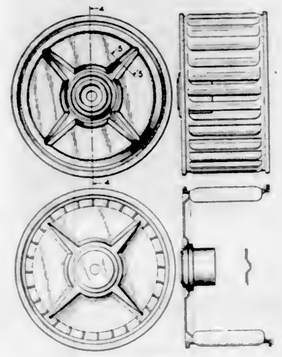
The ornamental design for a toilet brush, as shown.

126,042
DESIGN FOR AN ELECTRIC CLOCK
Louis Eickemeyer, Union, N. J., assignor to Joseph Gottlieb, Jersey City, N. J.
Application January 24, 1941, Serial No. 98,358
Term of patent 7 years



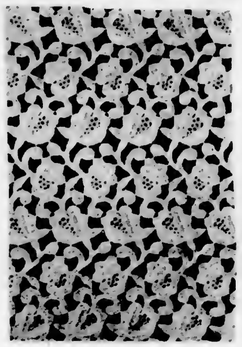
The ornamental design for an electric clock, as shown.

126,043
DESIGN FOR A CENTRIFUGAL BLOWER WHEEL
Addison W. Evans, Torrington, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application May 18, 1940, Serial No. 92,451
Term of patent 14 years



The ornamental design for a centrifugal blower wheel, substantially as shown and described.

126,044
DESIGN FOR LACE
Emil Flatz and Josef Senn, St. Gall, Switzerland, assignors to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application February 19, 1941, Serial No. 99,097
Term of patent 3½ years



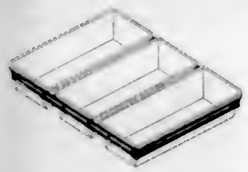
The ornamental design for lace, substantially as shown.

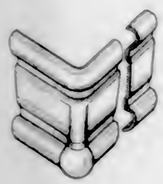
126,045
DESIGN FOR LACE
Emil Flatz and Josef Senn, St. Gall, Switzerland, assignors to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application February 19, 1941, Serial No. 99,098
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

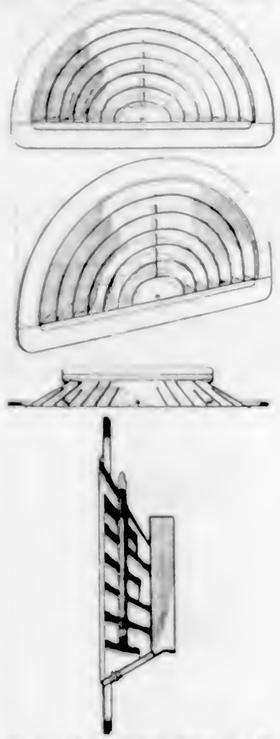
126,046
DESIGN FOR A MULTIPLE BAKE PAN UNIT OR SIMILAR ARTICLE
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application June 20, 1940, Serial No. 93,131
Term of patent 14 years





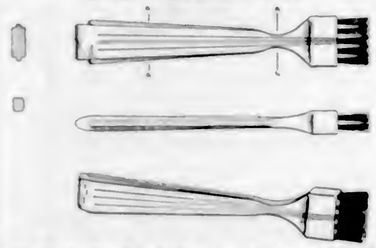
The ornamental design for a multiple bake pan unit or similar article, as shown and described.

126,047
DESIGN FOR AN AIR DISTRIBUTOR FOR VENTILATORS
Franz J. Kurth, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware
Application October 30, 1940, Serial No. 96,200
Term of patent 14 years



The ornamental design for an air distributor for ventilators, as shown.

126,048
DESIGN FOR A TYPEWRITER BRUSH OR THE LIKE
William Anton Lang, Springfield, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application December 6, 1940, Serial No. 97,119
Term of patent 7 years



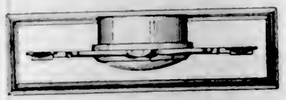
The ornamental design for a typewriter brush or the like, substantially as shown.

126,049
DESIGN FOR AN ELECTRIC CLOCK
Norman Lipsky, New York, N. Y., assignor to Joseph Gottlieb, Jersey City, N. J.
Application December 24, 1940, Serial No. 97,604
Term of patent 7 years



The ornamental design for an electric clock, as shown.

126,050
DESIGN FOR AN ELECTRIC CLOCK
Norman Lipsky, New York, N. Y., assignor to Joseph Gottlieb, Jersey City, N. J.
Application December 24, 1940, Serial No. 97,605
Term of patent 7 years





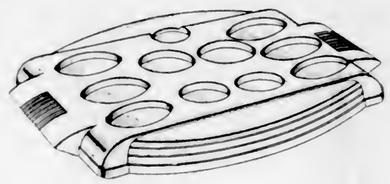
The ornamental design for an electric clock, as shown.

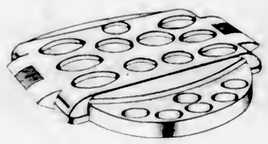
126,051
DESIGN FOR A HANGER LINK FOR MOVABLE SEATS
William A. Moeller, Los Angeles, Calif., assignor to Los Angeles Spring Bed Company, Los Angeles, Calif., a corporation of Ohio
Application April 5, 1940, Serial No. 91,482
Term of patent 3½ years



The ornamental design for a hanger link for movable seats, substantially as shown.

126,052
DESIGN FOR A COSMETICIAN'S TRAY
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 6, 1940, Serial No. 97,115
Term of patent 14 years





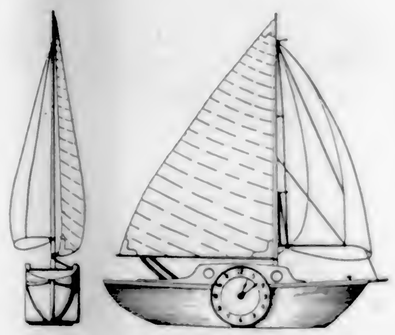
The ornamental design for a cosmetician's tray, as shown.

126,053
DESIGN FOR A TEXTILE FABRIC
Sidney Ross, New York, N. Y.
Application February 12, 1941, Serial No. 98,971
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

126,054
DESIGN FOR A SHIP CLOCK
Robert D. Schoenbrod, Chicago, Ill., assignor to American Supercraft Corporation, Chicago, Ill., a corporation of Illinois
Application September 7, 1940, Serial No. 94,853
Term of patent 7 years



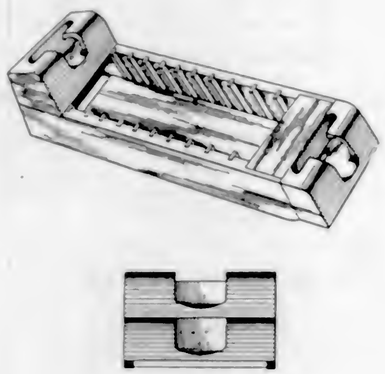
The ornamental design for a ship clock, substantially as shown.

126,055
DESIGN FOR A FURNACE DAMPER REGULATOR
Robert J. Seator, Battle Creek, Mich., assignor to United States Register Co., Battle Creek, Mich., a corporation of Michigan
Application October 4, 1940, Serial No. 95,644
Term of patent 7 years



The ornamental design for a furnace damper regulator, as shown.

126,056
DESIGN FOR A MERCHANDISE DISPLAY CONTAINER
Leslie T. Summers, Dallas, Tex.
Application November 12, 1940, Serial No. 96,469
Term of patent 7 years



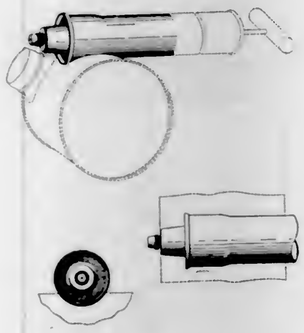
The ornamental design for a merchandise display container, as shown.

126,057
DESIGN FOR A WOVEN TEXTILE FABRIC
Abe Tillman, New York, N. Y.
Application February 5, 1941, Serial No. 98,768
Term of patent 3½ years



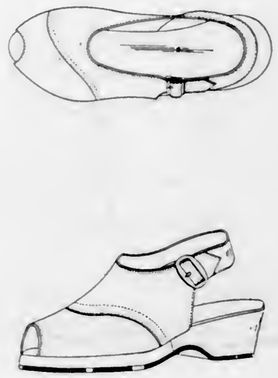
The ornamental design for a woven textile fabric, substantially as shown.

126,058
DESIGN FOR A SPRAYER
Horace L. Weeks, Lowell, Mich., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Application November 18, 1940, Serial No. 96,645
Term of patent 14 years



The ornamental design for a sprayer substantially as shown and described.

126,059
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application February 11, 1941, Serial No. 98,913
Term of patent 3½ years



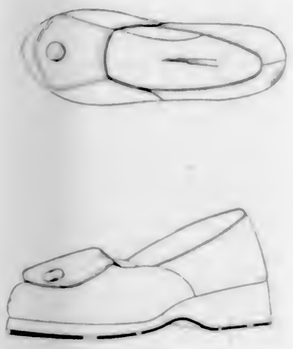
The ornamental design for a shoe or similar article, substantially as shown.

126,060
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application February 11, 1941, Serial No. 98,914
Term of patent 3½ years



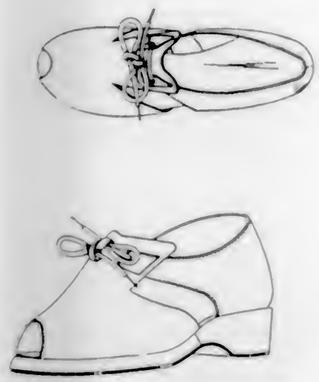
The ornamental design for a shoe or similar article, substantially as shown.

126,061
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application February 11, 1941, Serial No. 98,915
Term of patent 3½ years



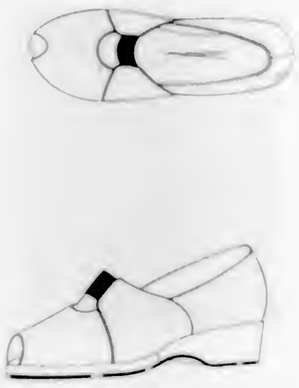
The ornamental design for a shoe or similar article, substantially as shown.

126,062
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application February 11, 1941, Serial No. 98,916
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

126,063
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application February 11, 1941, Serial No. 98,917
Term of patent 3½ years



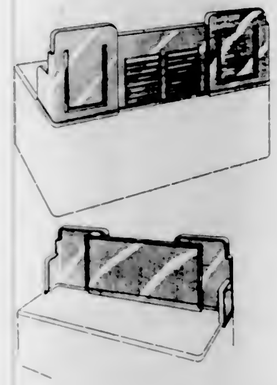
The ornamental design for a shoe or similar article, substantially as shown.

126,064
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application December 14, 1939, Serial No. 88,885
Term of patent 14 years



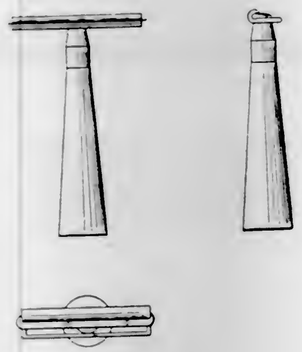
The ornamental design for a handle for kitchen utensils or similar articles, as shown.

126,065
DESIGN FOR A CABINET
Perry F. Alsfelder, Cincinnati, Ohio, assignor to The Brumhoff Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application January 10, 1941, Serial No. 97,967
Term of patent 3½ years



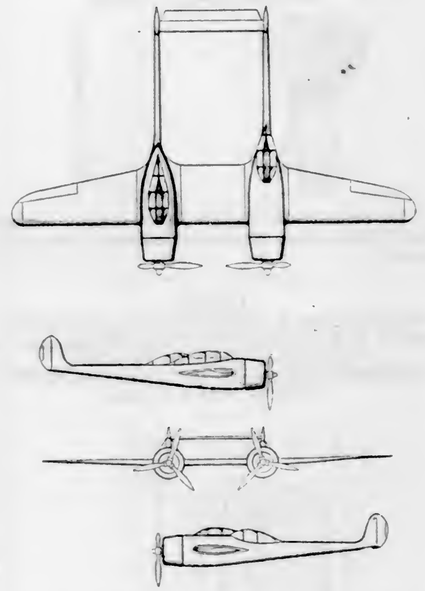
The ornamental design for a cabinet, as shown and described.

126,066
DESIGN FOR A RAZOR
Don A. Birrell, Salt Lake City, Utah
Application August 15, 1940, Serial No. 94,432
Term of patent 3½ years



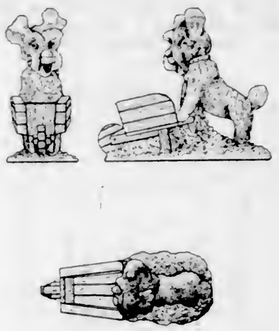
The ornamental design for a razor, as shown.

126,067
DESIGN FOR AN AIRPLANE
Homer A. Boushey, Jr., Belleville, Ill.
Application November 8, 1939, Serial No. 88,129
Term of patent 7 years



The ornamental design for an airplane, as shown.

126,068
DESIGN FOR A HOLDER FOR PERFUME BOTTLES OR THE LIKE
Sydney Corwin and Jerome Braun, New York, N. Y.
Application February 8, 1941, Serial No. 98,843
Term of patent 3½ years



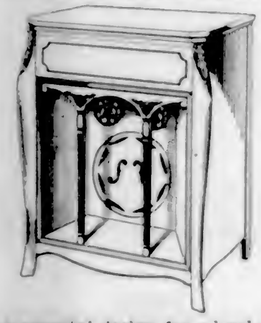
The ornamental design for a holder for perfume bottles or the like, as shown.

126,069
DESIGN FOR A JEWELRY FINDING FOR CLIPS OR OTHER SIMILAR ARTICLES OF JEWELRY
Louise Davidson, New York, N. Y., assignor to Tabby, Ltd., New York, N. Y.
Application January 8, 1941, Serial No. 97,880
Term of patent 3½ years



The ornamental design for a jewelry finding for clips or other similar articles of jewelry, as shown.

126,070
DESIGN FOR A LOUD-SPEAKER CONSOLE
Arthur C. Haggstrom, Rockford, Ill., assignor to E. H. Scott, Highland Park, Ill.
Application January 2, 1941, Serial No. 97,778
Term of patent 7 years



The ornamental design for a loud-speaker console, as shown and described.

126,071
DESIGN FOR AN AMPLIFIER CONSOLE
Arthur C. Haggstrom, Rockford, Ill., assignor to E. H. Scott, Highland Park, Ill.
Application January 2, 1941, Serial No. 97,779
Term of patent 7 years



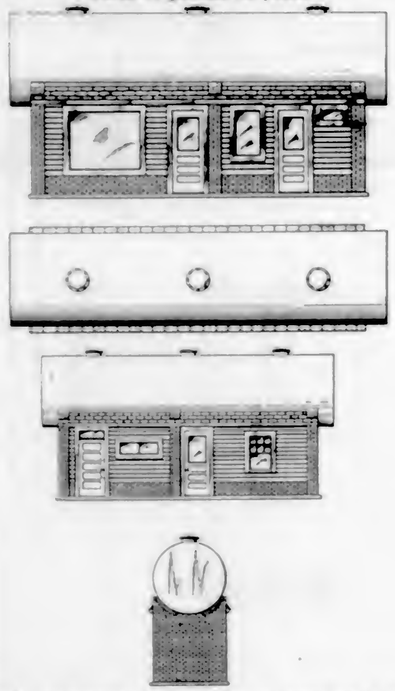
The ornamental design for an amplifier console, as shown and described.

126,072
DESIGN FOR A TIRE
William Edward Hardeman, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application August 16, 1940, Serial No. 94,466
In Great Britain April 8, 1940
Term of patent 14 years



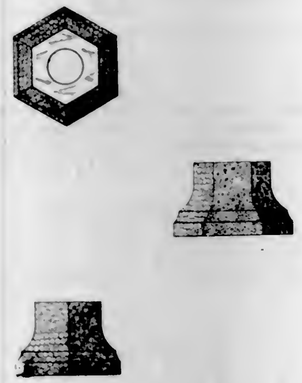
The ornamental design for a tire, as shown.

126,073
DESIGN FOR A GASOLINE FILLING STATION
Batson L. Hewitt, Charleston, S. C.
Application January 17, 1941, Serial No. 98,161
Term of patent 14 years



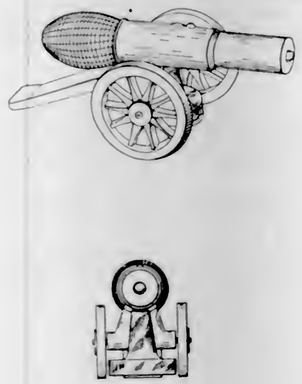
The ornamental design for a gasoline filling station, as shown.

126,074
DESIGN FOR AN ESCUTCHEON OR SIMILAR ARTICLE FOR PLUMBING FIXTURES
Julius S. Judell, Shorewood, and Clifford Brooks Stevens, Fox Point, Wis., assignors to Milwaukee Flush Valve Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 4, 1940, Serial No. 96,288
Term of patent 14 years



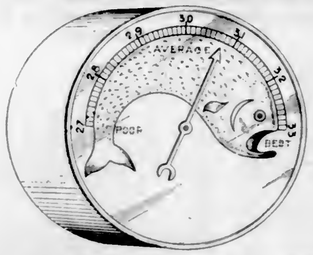
The ornamental design for an escutcheon or similar article for plumbing fixtures, substantially as shown.

126,075
DESIGN FOR AN ATOMIZER
Robert B. Karoff, New York, N. Y.
Application January 4, 1941, Serial No. 97,808
Term of patent 3½ years



The ornamental design for an atomizer, substantially as shown.

126,076
DESIGN FOR A BAROMETER
George B. Kimes, Kansas City, Kans.
Application October 17, 1940, Serial No. 95,901
Term of patent 14 years



The ornamental design for a barometer, as shown and described.

126,077
DESIGN FOR A FINGER RING
Lewis Kirschman, Forest Hills, N. Y.
Application September 11, 1940, Serial No. 94,940
Term of patent 3½ years



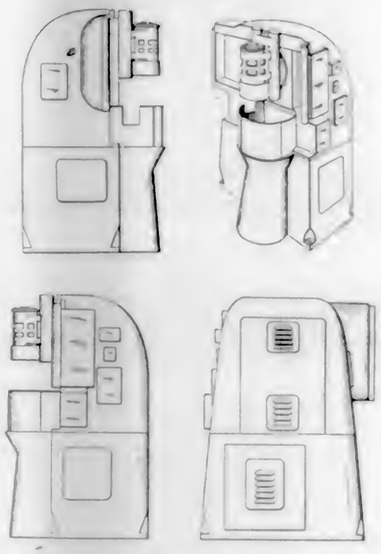
The ornamental design for a finger ring, as shown.

126,078
DESIGN FOR A JEWELRY FINDING FOR CLIPS OR OTHER SIMILAR ARTICLES OF JEWELRY
Madge E. Lytell, New York, N. Y., assignor to Tabby, Ltd., New York, N. Y.
Application January 8, 1941, Serial No. 97,881
Term of patent 3½ years



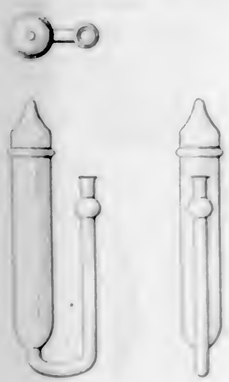
The ornamental design for a jewelry finding for clips or other similar articles of jewelry, as shown.

126,079
DESIGN FOR A CASING FOR AN INTERNAL GRINDER OR SIMILAR ARTICLE
Richard C. Montanus, Springfield, Ohio, assignor to The Springfield Machine Tool Co., Springfield, Ohio, a corporation of Ohio
Application November 9, 1940, Serial No. 96,451
Term of patent 14 years



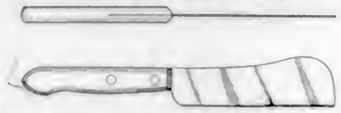
The ornamental design for a casing for an internal grinder or similar article, as shown.

126,080
DESIGN FOR A BAROMETER TUBE
Herman Neuwirth, Brooklyn, N. Y., assignor to Testrite Instrument Company, Inc., New York, N. Y., a corporation of New York
Application January 17, 1941, Serial No. 98,154
Term of patent 14 years



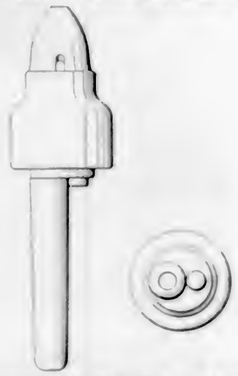
The ornamental design for a barometer tube, as shown.

126,081
DESIGN FOR A KNIFE
Robert B. Paysee, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application August 14, 1940, Serial No. 94,426
Term of patent 7 years



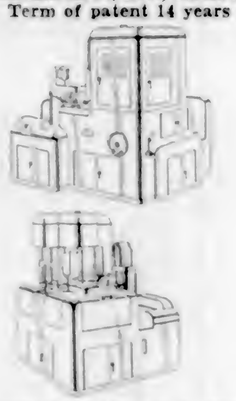
The ornamental design for a knife, as shown.

126,082
DESIGN FOR AN ELECTRIC VAPORIZER
Joseph Robinson, New York, N. Y.
Application January 8, 1940, Serial No. 89,345
Term of patent 14 years



The ornamental design for an electric vaporizer, substantially as shown.

126,083
DESIGN FOR A PACKAGE SEALING MACHINE
Herbert Rosengren, Woodcliffe Lake, N. J., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 15, 1939, Serial No. 83,586
Term of patent 14 years



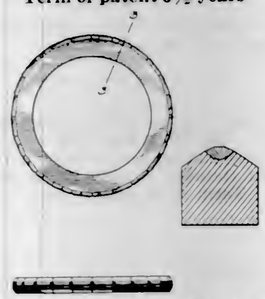
The ornamental design for a package sealing machine, as shown.

126,084
DESIGN FOR A BOWLING ALLEY PIN SPOT
Carl H. Weicker, Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application August 14, 1940, Serial No. 94,411
In Canada May 30, 1940
Term of patent 3½ years



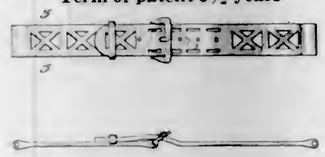
The ornamental design for a bowling alley pin spot, as shown.

126,085
DESIGN FOR A RING
Albert Bauernfeind, New York, N. Y.
Application February 21, 1940, Serial No. 90,404
Term of patent 3½ years



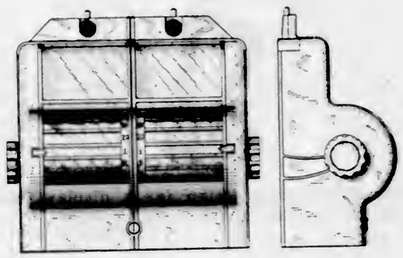
The ornamental design for a ring, substantially as shown.

126,086
DESIGN FOR A WATCH BRACELET
Lawrence M. Bayan, Cranston, R. I., assignor to Louis Stern Company, a corporation of Rhode Island
Application January 22, 1941, Serial No. 98,274
Term of patent 3½ years



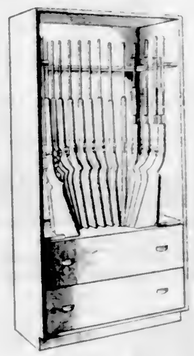
The ornamental design for a watch bracelet, substantially as shown.

126,087
DESIGN FOR A CABINET FOR PHONOGRAPH REMOTE CONTROL UNIT
Edward E. Collison, Indianapolis, Ind., assignor to Homer E. Capehart, Washington, Ind.
Application November 25, 1940, Serial No. 96,784
Term of patent 7 years



The ornamental design for a cabinet for phonograph remote control unit, as shown and described.

126,088
DESIGN FOR A COMBINED CABINET AND GUN DISPLAY
Earl L. Clouse, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application August 16, 1940, Serial No. 94,454
Term of patent 14 years



The ornamental design for a combined cabinet and gun display, as shown and described.

126,089
DESIGN FOR A DISPLAY FIGURE OR SIMILAR ARTICLE
Philip A. Davis, New York, N. Y.
Application November 13, 1940, Serial No. 96,532
Term of patent 3½ years



The ornamental design for a display figure or similar article, substantially as shown.

126,090
DESIGN FOR A SWIMMING SUIT
Margit Fellegi, Los Angeles, Calif., assignor to Cole of California, Inc., Los Angeles, Calif., a corporation of California
Application December 9, 1940, Serial No. 97,176
Term of patent 3½ years



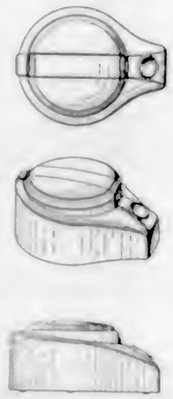
The ornamental design for a swimming suit, as shown.

126,091
DESIGN FOR A HAT ORNAMENT OR SIMILAR ARTICLE
Pauline Gaughran and Nathan Levine, New York, N. Y.
Application October 19, 1940, Serial No. 95,942
Term of patent 3½ years



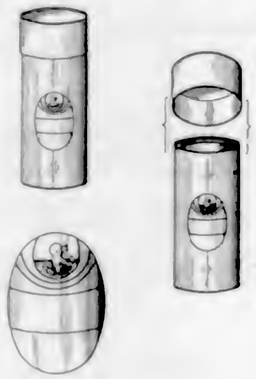
The ornamental design for a hat ornament or similar article, as shown.

126,092
DESIGN FOR A COMBINATION DESK UNIT
Warner Hoople, Chicago, Ill., and Marlin S. Baker and Ivan D. Tefft, Janesville, Wis., assignors to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J., a corporation of New Jersey
Application January 2, 1940, Serial No. 89,258
Term of patent 14 years



The ornamental design for a combination desk unit, substantially as shown.

126,093
DESIGN FOR A HEAT RETAINING NURSING BOTTLE HOLDER
Charles N. Lockwood, Chicago, Ill.
Application October 16, 1940, Serial No. 95,874
Term of patent 7 years



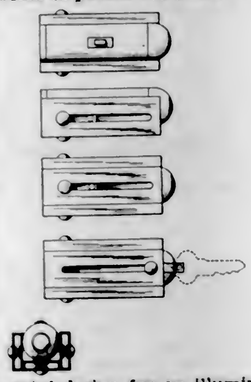
The ornamental design for a heat retaining nursing bottle holder, substantially as shown and described.

126,094
DESIGN FOR A JEWELRY FINDING FOR CLIPS OR OTHER SIMILAR ARTICLES OF JEWELRY
Chapin Marcus, New York, N. Y., assignor to Tabby, Ltd., New York, N. Y.
Application January 8, 1941, Serial No. 97,882
Term of patent 3½ years



The ornamental design for a jewelry finding for clips or other similar articles of jewelry, as shown.

126,095
DESIGN FOR AN ILLUMINATED KEY HOLDER OR SIMILAR ARTICLE
John Stewart Marshall, Ipava, Ill.
Application June 27, 1940, Serial No. 93,292
Term of patent 3½ years



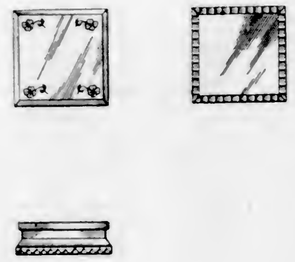
The ornamental design for an illuminated key holder or similar article, as shown and described.

126,096
DESIGN FOR A JEWELRY BOX OR SIMILAR ARTICLE
Jesse Mautner, New York, N. Y.
Application November 12, 1940, Serial No. 96,497
Term of patent 3½ years



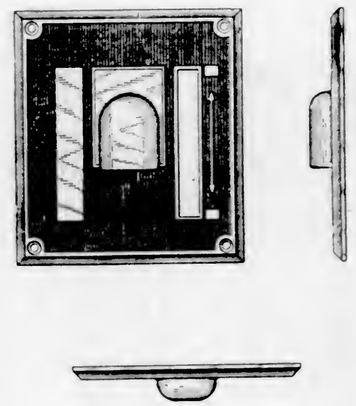
The ornamental design for a jewelry box or similar article, substantially as shown.

126,097
DESIGN FOR A JEWELRY BOX OR SIMILAR ARTICLE
Jesse Mautner, New York, N. Y.
Application November 16, 1940, Serial No. 96,630
Term of patent 3½ years



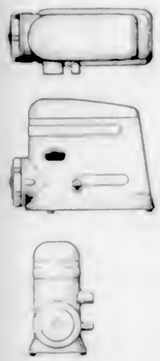
The ornamental design for a jewelry box or similar article, substantially as shown.

126,098
DESIGN FOR A GAS OUTLET BOX COVER
Robert D. McIntosh, River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 17, 1940, Serial No. 97,395
Term of patent 14 years



The ornamental design for a gas outlet box cover, substantially as shown.

126,099
DESIGN FOR A LATHER MIXER
Melvin Rolstad and Harry E. Cullen, Minneapolis, Minn., assignors to Rolstad Manufacturing Company, Minneapolis, Minn., a partnership composed of Melvin Rolstad, Lydia Rolstad, and Central Machine Works Company
Application December 9, 1940, Serial No. 97,174
Term of patent 14 years



The ornamental design for a lather mixer, substantially as shown.

126,100
DESIGN FOR A SKIRT
Morris Sobelman, St. Louis, Mo.
Application January 16, 1941, Serial No. 98,110
Term of patent 3½ years



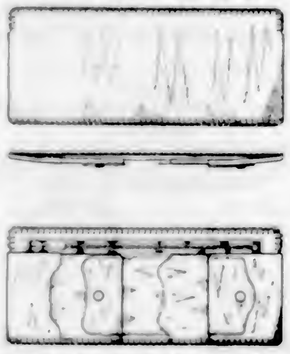
The ornamental design for a skirt, substantially as shown and described.

126,101
DESIGN FOR A STATUETTE
Wallace P. Vollmer, Wilton, Conn.
Application December 5, 1940, Serial No. 97,081
Term of patent 14 years



The ornamental design for a statuette, as shown.

126,102
DESIGN FOR A BILLFOLD
John P. Wege, West Bend, Wis., assignor to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin
Application February 17, 1941, Serial No. 99,047
Term of patent 3½ years



The ornamental design for a billfold, substantially as shown.

126,103
DESIGN FOR A REDINGOTE
Edna Breer, New York, N. Y.
Application January 17, 1941, Serial No. 98,137
Term of patent 3½ years



The ornamental design for a redingote, substantially as shown.

126,104
DESIGN FOR A SUIT
Bonnie Cashin, New York, N. Y.
Application January 31, 1941, Serial No. 98,580
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

126,105
DESIGN FOR A COAT
Bonnie Cashin, New York, N. Y.
Application January 31, 1941, Serial No. 98,583
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

126,106
DESIGN FOR A COAT
William Devitz, New York, N. Y.
Application February 3, 1941, Serial No. 98,690
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,107
DESIGN FOR A COAT
Abraham Ducket, New York, N. Y.
Application January 29, 1941, Serial No. 98,502
Term of patent 3½ years



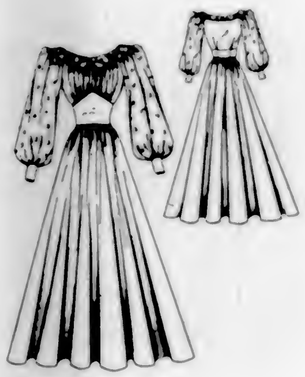
The ornamental design for a coat, substantially as shown.

126,108
DESIGN FOR A DRESS
Sadie Elmo, New York, N. Y.
Application December 23, 1940, Serial No. 97,589
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

126,109
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application January 13, 1941, Serial No. 98,022
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

126,110
DESIGN FOR A TEXTILE FABRIC
Benjamin S. Granby, New York, N. Y., assignor to The Schwarzenbach Huber Co., New York, N. Y., a corporation of New Jersey
Application February 1, 1941, Serial No. 98,657
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

126,111
DESIGN FOR A BRAID
Morris J. Gornstein, New York, N. Y.
Application January 14, 1941, Serial No. 98,038
Term of patent 3½ years



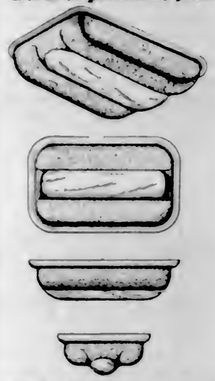
The ornamental design for a braid, as shown.

126,112
DESIGN FOR A TEXTILE FABRIC
Benjamin S. Granby, New York, N. Y., assignor to The Schwarzenbach Huber Co., New York, N. Y., a corporation of New Jersey
Application January 30, 1941, Serial No. 98,532
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

126,113
DESIGN FOR A VEHICLE LIGHTING UNIT
Eric B. Hallman, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 11, 1941, Serial No. 97,975
Term of patent 14 years



The ornamental design for a vehicle lighting unit, substantially as shown and described.

126,114
DESIGN FOR A FUR CAPE
Omar Kiam, New York, N. Y.
Application January 27, 1941, Serial No. 98,444
Term of patent 3½ years



The ornamental design for a fur cape, as shown.

126,115
DESIGN FOR A DRESS
Herman Randel, New York, N. Y.
Application December 30, 1940, Serial No. 97,731
Term of patent 3½ years



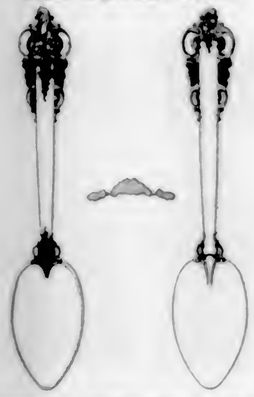
The ornamental design for a dress, substantially as shown.

126,116
DESIGN FOR A TEXTILE FABRIC
Peter S. Schwartz, New York, N. Y.
Application January 22, 1941, Serial No. 98,278
Term of patent 3½ years



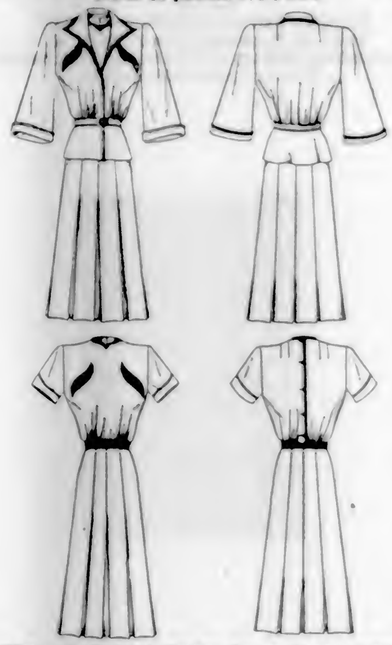
The ornamental design for a textile fabric, as shown.

126,117
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application January 24, 1941, Serial No. 98,369
Term of patent 14 years



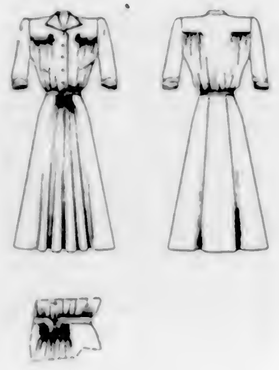
The ornamental design for a spoon or other article of flatware, substantially as shown.

126,118
DESIGN FOR A DRESS ENSEMBLE
Bonnie Cashin, New York, N. Y.
Application January 27, 1941, Serial No. 98,426
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,119
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application January 27, 1941, Serial No. 98,429
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

126,120
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application January 27, 1941, Serial No. 98,430
Term of patent 3½ years



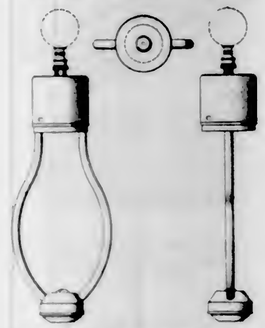
The ornamental design for a dress, substantially as shown and described.

126,121
DESIGN FOR A DRESS ENSEMBLE
Bonnie Cashin, New York, N. Y.
Application January 27, 1941, Serial No. 98,431
Term of patent 3½ years



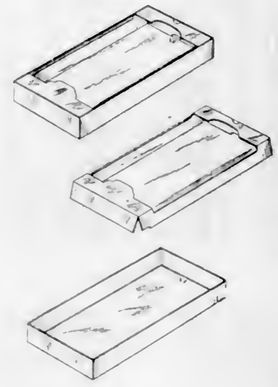
The ornamental design for a dress ensemble, substantially as shown.

126,122
DESIGN FOR A COMBINED LAMP BULB SOCKET AND SUPPORT THEREFOR
Paul Chilo, Chicago, Ill.
Application October 23, 1940, Serial No. 96,008
Term of patent 14 years



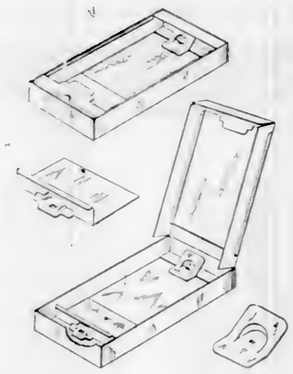
The ornamental design for a combined lamp bulb socket and support therefor, substantially as shown and described.

126,123
DESIGN FOR A DISPLAY BOX OR SIMILAR ARTICLE
John A. Clemens, Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application November 15, 1938, Serial No. 81,106
Term of patent 14 years



The ornamental design for a display box or similar article, substantially as shown.

126,124
DESIGN FOR A COMBINED SHIPPING AND DISPLAY BOX
John A. Clemens, Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application December 7, 1938, Serial No. 81,615
Term of patent 14 years



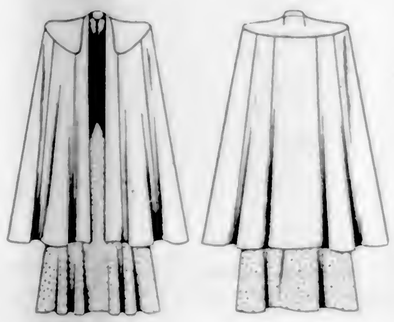
The ornamental design for a combined shipping and display box, substantially as shown and described.

126,125
DESIGN FOR A DRESS ENSEMBLE
Fred Greenberg, New York, N. Y.
Application January 27, 1941, Serial No. 98,438
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,126
DESIGN FOR A DRESS ENSEMBLE
Fred Greenberg, New York, N. Y.
Application January 27, 1941, Serial No. 98,439
Term of patent 3½ years



126,126—Continued



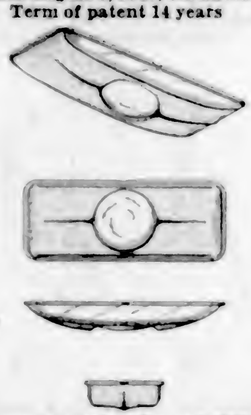
The ornamental design for a dress ensemble, substantially as shown.

126,127
DESIGN FOR A DRESS
Fred Greenberg, New York, N. Y.
Application January 27, 1941, Serial No. 98,440
Term of patent 3½ years



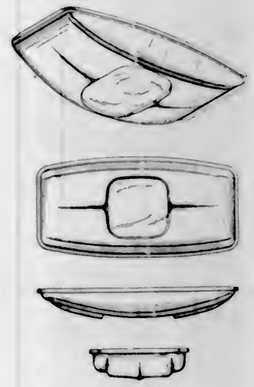
The ornamental design for a dress, substantially as shown.

126,128
DESIGN FOR A LIGHTING FIXTURE DOME
Eric B. Hallman, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 94,191
Term of patent 14 years



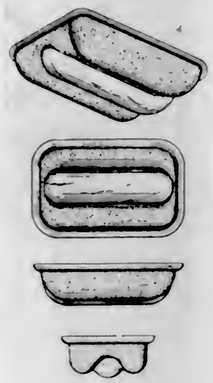
The ornamental design for a lighting fixture dome, substantially as shown.

126,129
DESIGN FOR A LIGHTING FIXTURE DOME
Eric B. Hallman, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 94,192
Term of patent 14 years



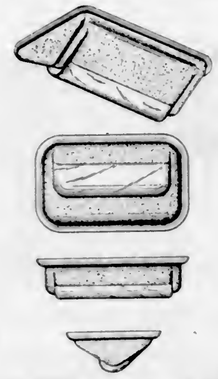
The ornamental design for a lighting fixture dome, substantially as shown and described.

126,130
DESIGN FOR A VEHICLE LIGHTING UNIT
Eric B. Hallman, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 11, 1941, Serial No. 97,974
Term of patent 14 years



The ornamental design for a vehicle lighting unit, substantially as shown and described.

126,131
DESIGN FOR A VEHICLE LIGHTING UNIT
Eric B. Hallman, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 11, 1941, Serial No. 97,976
Term of patent 14 years



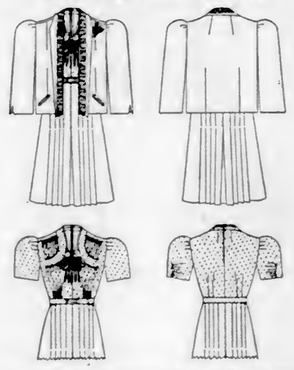
The ornamental design for a vehicle lighting unit, substantially as shown and described.

126,132
DESIGN FOR A PIPE OR SIMILAR ARTICLE
Russell S. Harris, Piedmont, Calif.
Application July 1, 1940, Serial No. 93,366
Term of patent 3½ years



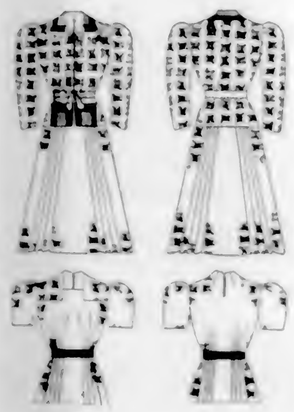
The ornamental design for a pipe or similar article, as shown and described.

126,133
DESIGN FOR A DRESS ENSEMBLE
Philip Heit, New York, N. Y.
Application January 27, 1941, Serial No. 98,421
Term of patent 3½ years



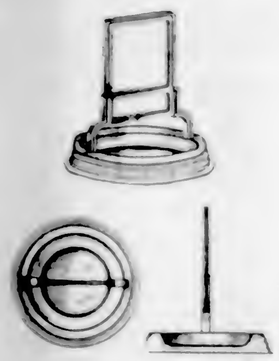
The ornamental design for a dress ensemble, as shown.

126,134
DESIGN FOR A DRESS ENSEMBLE
Adrian Naftal, New York, N. Y.
Application January 27, 1941, Serial No. 98,418
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,135
DESIGN FOR A COMBINED ASH TRAY AND ADVERTISING HOLDER
John William Nichols, Dallas, and Harold Robert Bisby, Garland, Tex.
Application June 18, 1940, Serial No. 93,160
Term of patent 7 years



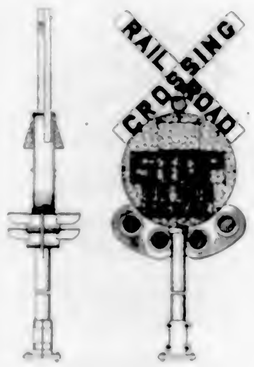
The ornamental design for a combined ash tray and advertising holder, as shown.

126,136
DESIGN FOR A DRESS
Samuel Reich, Chicago, Ill.
Application January 27, 1941, Serial No. 98,420
Term of patent 3½ years



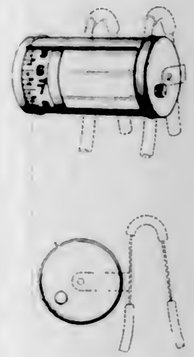
The ornamental design for a dress, as shown.

126,137
DESIGN FOR A RAILWAY-HIGHWAY GRADE-CROSSING WARNING SIGNAL
Marion G. Slawson, Girard, Kans.
Application December 10, 1940, Serial No. 97,242
Term of patent 14 years



The ornamental design for a railway-highway grade-crossing warning signal, as shown.

126,138
DESIGN FOR A COMBINED BED LAMP, CLOCK, AND SUPPORT THEREFOR
Milton N. Tigerman and Alexander R. Tigerman, Chicago, Ill.
Application December 12, 1940, Serial No. 97,272
Term of patent 7 years



The ornamental design for a combined bed lamp, clock, and support therefor, as shown and described.

126,139
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application January 31, 1941, Serial No. 98,582
Term of patent 3½ years



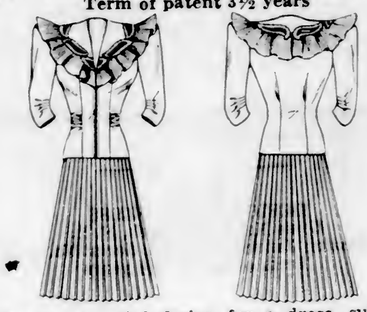
The ornamental design for a dress, substantially as shown.

126,140
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 31, 1941, Serial No. 98,589
Term of patent 3½ years



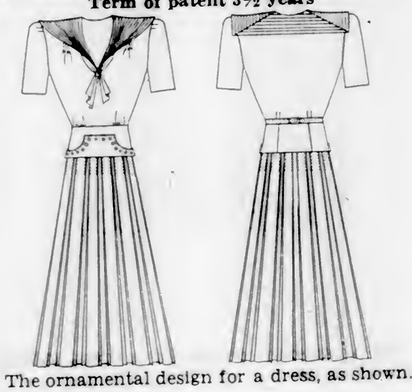
The ornamental design for a dress, substantially as shown.

126,141
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 31, 1941, Serial No. 98,592
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,142
DESIGN FOR A DRESS
Ella E. Genghof, New York, N. Y.
Application January 29, 1941, Serial No. 98,486
Term of patent 3½ years



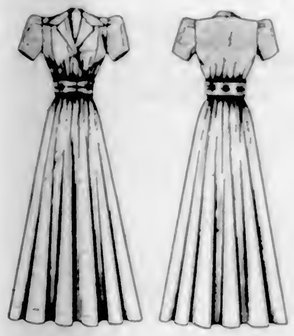
The ornamental design for a dress, as shown.

126,143
DESIGN FOR AN EMBROIDERED FABRIC
Otto Hallbauer, West Englewood, N. J.
Application November 27, 1940, Serial No. 96,873
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

126,144
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application January 31, 1941, Serial No. 98,593
Term of patent 3½ years



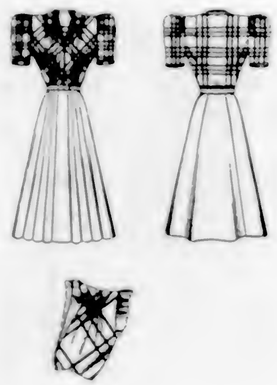
The ornamental design for a dress, substantially as shown.

126,145
DESIGN FOR A DRESS
Esther Pier, New York, N. Y.
Application January 23, 1941, Serial No. 98,292
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,146
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application January 31, 1941, Serial No. 98,595
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,147
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application January 31, 1941, Serial No. 98,596
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,148
DESIGN FOR A COAT
Nathan A. Rauch, New York, N. Y.
Application January 21, 1941, Serial No. 98,254
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

126,149
DESIGN FOR A COAT
Nathan A. Rauch, New York, N. Y.
Application January 21, 1941, Serial No. 98,256
Term of patent 3½ years



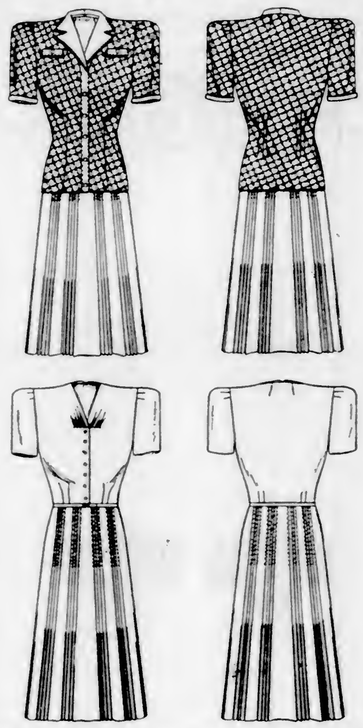
The ornamental design for a coat, substantially as shown and described.

126,150
DESIGN FOR A COAT
Nathan A. Rauch, New York, N. Y.
Application January 21, 1941, Serial No. 98,257
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

126,151
DESIGN FOR A DRESS ENSEMBLE
Julia Richards, Brooklyn, N. Y.
Application January 28, 1941, Serial No. 98,461
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,152
DESIGN FOR A DRESS
Augusta Berin, New York, N. Y.
Application February 12, 1941, Serial No. 98,973
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,153
DESIGN FOR A DRESS ENSEMBLE
George W. Cohen, New York, N. Y.
Application January 28, 1941, Serial No. 98,474
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,154
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application January 31, 1941, Serial No. 98,577
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,155
DESIGN FOR A DRESS ENSEMBLE
Elizabeth Cutler, New York, N. Y.
Application January 31, 1941, Serial No. 98,578
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,156
DESIGN FOR A DRESS ENSEMBLE
Sylvia Faden, New York, N. Y.
Application January 28, 1941, Serial No. 98,470
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,157
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application January 28, 1941, Serial No. 98,471
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,158
DESIGN FOR A DRESS
Philip Helt, New York, N. Y.
Application January 28, 1941, Serial No. 98,472
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,159
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application January 31, 1941, Serial No. 98,597
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,160
DESIGN FOR A DRESS
Morris Rutenberg, New York, N. Y.
Application January 30, 1941, Serial No. 98,538
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,161
DESIGN FOR A DRESS
Herman Siegenfeld, Larchmont, N. Y.
Application January 27, 1941, Serial No. 98,447
Term of patent 3½ years



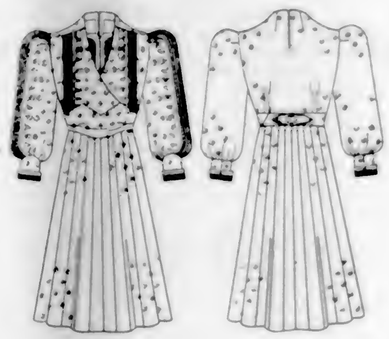
The ornamental design for a dress, as shown.

126,162
DESIGN FOR A DRESS
Herman Siegenfeld, Larchmont, N. Y.
Application January 27, 1941, Serial No. 98,449
Term of patent 3½ years



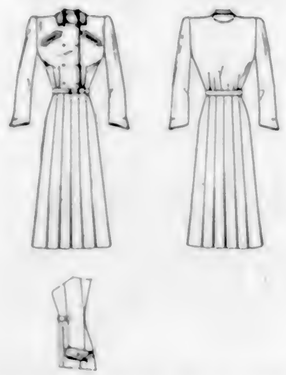
The ornamental design for a dress, as shown.

126,163
DESIGN FOR A DRESS
Frederick Martin Burns, New York, N. Y.
Application January 27, 1941, Serial No. 98,451
Term of patent 3½ years



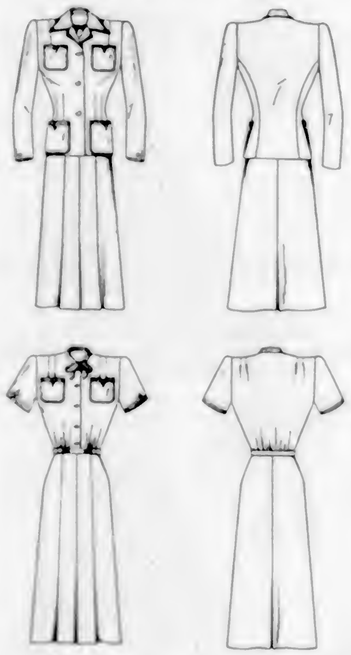
The ornamental design for a dress, as shown.

126,164
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application January 31, 1941, Serial No. 98,579
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

126,165
DESIGN FOR A DRESS ENSEMBLE
Bonnie Cashin, New York, N. Y.
Application January 31, 1941, Serial No. 98,584
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,166
DESIGN FOR A DRESS ENSEMBLE
Elizabeth Cutler, New York, N. Y.
Application January 31, 1941, Serial No. 98,576
Term of patent 3½ years



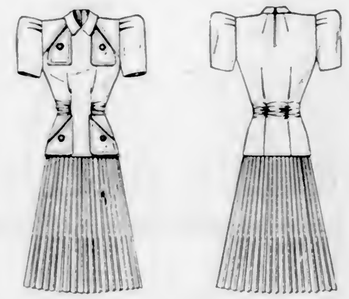
The ornamental design for a dress ensemble, substantially as shown.

126,167
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application January 28, 1941, Serial No. 98,469
Term of patent 3½ years



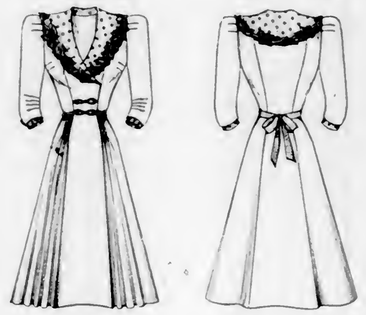
The ornamental design for a dress, as shown.

126,168
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 31, 1941, Serial No. 98,587
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,169
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 31, 1941, Serial No. 98,590
Term of patent 3½ years



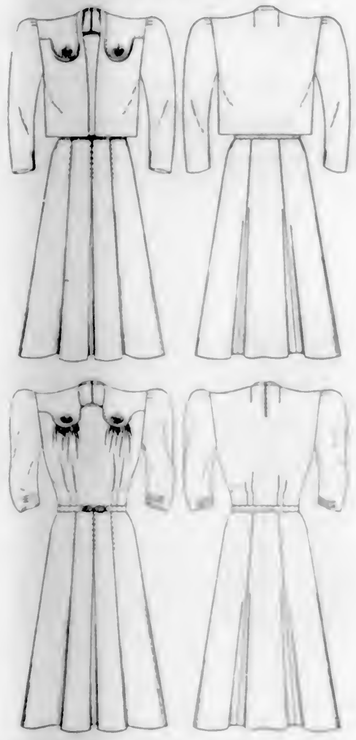
The ornamental design for a dress, substantially as shown.

126,170
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 31, 1941, Serial No. 98,591
Term of patent 3½ years



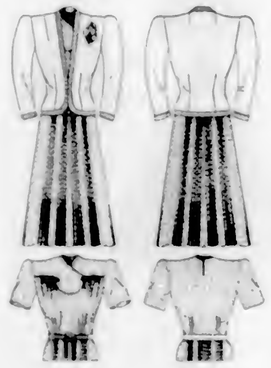
The ornamental design for a dress, substantially as shown.

126,171
DESIGN FOR A DRESS ENSEMBLE
Edna Freeman, New York, N. Y.
Application January 28, 1941, Serial No. 98,459
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,172
DESIGN FOR A DRESS ENSEMBLE
Edna Freeman, New York, N. Y.
Application January 28, 1941, Serial No. 98,460
Term of patent 3½ years



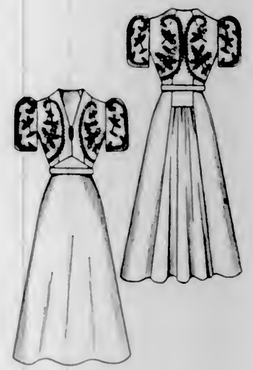
The ornamental design for a dress ensemble, substantially as shown.

126,173
DESIGN FOR A DRESS ENSEMBLE
Philip Helt, New York, N. Y.
Application January 28, 1941, Serial No. 98,473
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,174
DESIGN FOR A DRESS
Samuel King, Boston, Mass.
Application January 24, 1941, Serial No. 98,364
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,175
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application February 3, 1941, Serial No. 98,688
Term of patent 3½ years



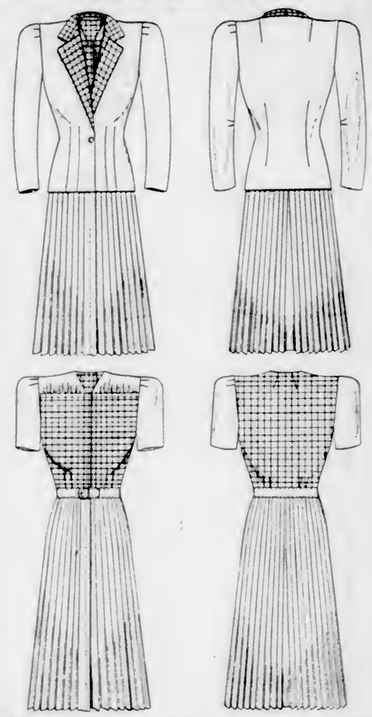
The ornamental design for a dress ensemble, substantially as shown.

126,176
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application February 3, 1941, Serial No. 98,689
Term of patent 3½ years



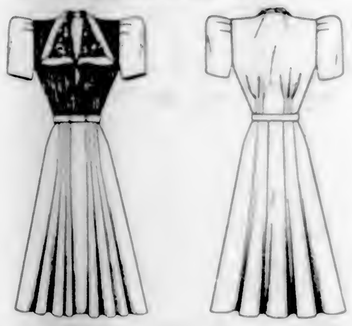
The ornamental design for a dress ensemble, as shown.

126,177
DESIGN FOR A DRESS ENSEMBLE
Esther Pier, New York, N. Y.
Application January 23, 1941, Serial No. 98,293
Term of patent 3½ years



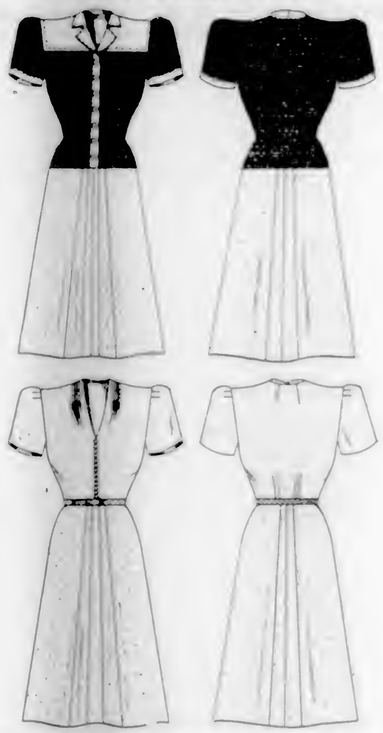
The ornamental design for a dress ensemble, substantially as shown.

126,178
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application January 31, 1941, Serial No. 98,598
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

126,179
DESIGN FOR A DRESS ENSEMBLE
Julia Richards, Brooklyn, N. Y.
Application January 23, 1941, Serial No. 98,295
Term of patent 3½ years



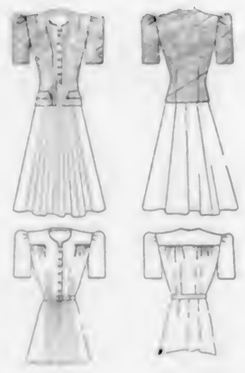
The ornamental design for a dress ensemble, substantially as shown.

126,180
DESIGN FOR A DRESS ENSEMBLE
Samuel Riesenberg, Winfield, Pa.
Application January 29, 1941, Serial No. 98,487
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,181
DESIGN FOR A DRESS ENSEMBLE
Ida Sheer, New York, N. Y.
Application January 24, 1941, Serial No. 98,350
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

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ERRATUM

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Page XXXIII of Official Gazette of April 29, 1941, first column, line 16 from bottom of page, strike out "Clamping device. W. T. Scarritt. 2,241,642; May 6."

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Steel Company, Chicago, Ill. Wire stitching machines. Serial No. 433,846; Apr. 1. Class 23.

Advance Aluminum Castings Corp., Chicago, Ill. Cooking utensils. Serial No. 433,467; Apr. 1. Class 13.

Albi Chemical Corporation, New York, N. Y. Chemical compounds. Serial No. 439,955; Apr. 1. Class 6.

Allen, Robert W., doing business as Reelife Motion Pictures, Indianapolis, Ind. Motion picture films. Serial No. 439,982; Apr. 1. Class 26.

Allied Paper Bag Corporation, Baltimore, Md. Cellophane bags. Serial No. 424,287; Apr. 1. Class 2.

Altorfer Bros. Company, Peoria, Ill. Laundry washing machines. Serial No. 440,768; Apr. 1. Class 24.

American Anode Inc., Wilmington, Del., and Akron, Ohio. Aqueous dispersions of synthetic rubber compounds. Serial No. 440,769; Apr. 1. Class 6.

American Mineral Spirits Company, Chicago, Ill. Mixture of low boiling liquid hydrocarbons. Serial No. 439,917; Apr. 1. Class 6.

American Spectacle Co., Inc., New York, N. Y. Spectacles and goggles and lenses therefor. Serial No. 440,034; Apr. 1. Class 26.

American Thread Company, The, New York, N. Y. Thread. Serial No. 429,157; Apr. 1. Class 43.

Antonucci, Benedict M., Youngstown, Ohio. Appetizer-laxative tonic. Serial No. 440,232; Apr. 1. Class 6.

Arango y Arango, Tampa, Fla. Cigars. Serial No. 437,494; Apr. 1. Class 17.

Archer-Daniels-Midland Company, Minneapolis, Minn. Soybean and linseed oil used in paints and varnishes. Serial No. 439,790; Apr. 1. Class 16.

Artkraft Sign Company, The, Lima, Ohio. Frameworks for display signs or any other structures containing metal parts welded together. Serial No. 436,558; Apr. 1. Class 12.

Atkins, E. C., and Company, Indianapolis, Ind. Hack saw blades. Serial No. 439,957; Apr. 1. Class 23.

Banks, Olivette M., doing business as Seven Star Botanic Drugs, Pasadena, Calif. Tonics for the relief of rheumatic pains in the back and kidneys, etc. Serial No. 440,036; Apr. 1. Class 6.

Basic Foods Sales Corp., Jersey City, N. J. Icing for cakes and cookies. Serial No. 432,293; Apr. 1. Class 46.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Crochet hooks and knitting needles. Serial No. 439,532; Apr. 1. Class 40.

Beacon Chemical Corporation, Philadelphia, Pa. Bleach germicide, and disinfectant. Serial No. 440,081; Apr. 1. Class 6.

Beal's Games, Inc., New York, N. Y. Game played with paddles and a shuttlecock. Serial No. 440,771; Apr. 1. Class 22.

Belmonte, Frank, doing business as Granda Packing House, Alhambra, Calif. Fresh citrus fruits. Serial No. 414,618; Apr. 1. Class 46.

Bienen-Davis, Inc., New York, N. Y. Pocketbooks, bags and purses. Serial No. 439,403; Apr. 1. Class 3.

Bitco, Inc., Wallace, Idaho. Drill bit gauges, drill bit gauging machinery, drill gauges, etc. Serial No. 439,991; Apr. 1. Class 26.

Blaich, Adolph, Inc., San Francisco, Calif. Fishing lines. Serial No. 436,334; Apr. 1. Class 22.

Borden Company, The, New York, N. Y. Process American cheese. Serial No. 439,578; Apr. 1. Class 46.

Borden Company, The, New York, N. Y. Process brick cheese. Serial Nos. 439,580–1; Apr. 1. Class 46.

Borden Company, The, New York, N. Y. Process pimento cheese. Serial Nos. 439,582–3; Apr. 1. Class 46.

Borden Company, The, New York, N. Y. Process swiss cheese. Serial No. 439,584; Apr. 1. Class 46.

Bradley, Milton, Company, Springfield, Mass. Table game. Serial No. 440,111; Apr. 1. Class 22.

Brown, Milton, doing business as Lactra Tooth Paste Co., New York, N. Y. Tooth paste and tooth powder. Serial No. 440,543; Apr. 1. Class 6.

Buckingham & Hecht, San Francisco, Calif. Boots and shoes. Serial No. 439,747; Apr. 1. Class 39.

Bushee, John P., East Grand Forks, Minn. Potatoes. Serial No. 438,975; Apr. 1. Class 46.

Carson Pirie Scott & Company, Chicago, Ill. Mirror and picture cords. Serial No. 439,095; Apr. 1. Class 7.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 440,145–8; Apr. 1. Class 42.

Charmette Fabrics Co., Inc., New York, N. Y. Cloth in the piece. Serial No. 440,041; Apr. 1. Class 42.

Chemical, H. M., Co., Ltd., Los Angeles, Calif. Cosmetics. Serial No. 430,832; Apr. 1. Class 6.

Clough, Lorraine. (See Woodward, H. L., and P. I. and L. Clough.)

Clough, Peter I. (See Woodward, H. L., and P. I. and L. Clough.)

Clowood Company. (See Woodward, H. L., and P. I. and L. Clough.)

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 440,155; Apr. 1. Class 42.

Coleman, Laura W., administratrix. (See Coleman, William B.)

Coleman, William B., deceased, Bloomfield, N. J.; L. W. Coleman, administratrix. Medicinal preparation in the form of candy. Serial No. 431,992; Apr. 1. Class 6.

Consolidated Royal Chemical Corporation, Chicago, Ill. Lighter fluid. Serial No. 440,644; Apr. 1. Class 6.

Drachenberg, Richard E., doing business as Drachenberg Products Manufacturing Company, Detroit, Mich. Machines and parts thereof for extracting juice from vegetables and fruit. Serial No. 439,195; Apr. 1. Class 23.

Dry Placer Machine Company. (See Nolte, Otto C.)

Eagles, Luella, New York, N. Y. Refrigerator bags. Serial No. 439,714; Apr. 1. Class 2.

Edison Brothers Stores, Inc., St. Louis, Mo. Shoes. Serial No. 439,461; Apr. 1. Class 39.

Essley Shirt Company, Inc., New York, N. Y. Pajamas. Serial No. 440,411; Apr. 1. Class 39.

Farr Company, The, Greeley, Colo. Lime sulphur solution. Serial No. 440,238; Apr. 1. Class 6.

Filice and Perrelli Canning Company, Incorporated, Richmond, Calif. Canned fruits, canned vegetables, canned fruit and vegetable juices, etc. Serial No. 433,561; Apr. 1. Class 46.

Finch, Percy R., Chicago, Ill. Mufflers, noise eliminators, and devices for controlling exhaust, etc. Serial No. 427,198; Apr. 1. Class 23.

Fishery Reporter Company, The, Philadelphia, Pa. Weekly newspaper. Serial No. 439,513; Apr. 1. Class 38.

Foley and Company, Chicago, Ill. Insect repellent and sunburn preventive. Serial No. 440,780; Apr. 1. Class 6.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. Serial No. 436,467; Apr. 1. Class 39.

Friday Canning Corporation, New Richmond, Wis. Canned peas. Serial No. 438,536; Apr. 1. Class 46.

Friedman, Percy, Yeadon, Pa. Question and answer game. Serial No. 440,286; Apr. 1. Class 22.

Garrick, Marcia, New City, N. Y. Spices, herbs for culinary purposes, etc. Serial No. 434,560; Apr. 1. Class 46.

General Register Corporation, New York, N. Y. Ticket and coupon issuing machines, slot vending machines. Serial No. 440,002; Apr. 1. Class 23.

Gonczi, Sophie, New York, N. Y. Reserve compartment trays for refrigerators. Serial No. 439,866; Apr. 1. Class 31.

Goodall Worsted Company, Sanford, Maine. Piece goods. Serial No. 439,811; Apr. 1. Class 42.

Goodman, H., Inc., Cleveland, Ohio. Mattresses, box springs, and studio couches. Serial No. 440,244; Apr. 1. Class 32.

Gossard, H. W., Co., Chicago, Ill. Corsets, girdles, step-in corsets, etc. Serial No. 439,651; Apr. 1. Class 39.

Gotham Silk Hosiery Company, Inc., New York, N. Y. Hosiery. Serial Nos. 440,123–4; Apr. 1. Class 39.

Granada Packing House. (See Belmonte, Frank.)

Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Wooden and upholstered furniture. Serial No. 440,624; Apr. 1. Class 32.

Gray, Dorothy, Salons, Bloomfield, N. J. Perfume, toilet water, eau de cologne, dusting powder, etc. Serial No. 440,505; Apr. 1. Class 6.

Gruber, William J., New Orleans, La. Sandwiches, pickle relish, mayonnaise, etc. Serial No. 437,620; Apr. 1. Class 46.

Haas Brothers, San Francisco, Calif. Canned fruit juices, berry juices, and vegetable juices. Serial No. 439,896; Apr. 1. Class 46.

Haas-Miller Corp., Philadelphia, Pa. Compound used for softening, filling and weighting of cotton fabrics. Serial No. 440,590; Apr. 1. Class 6.

Hamrah, Elias A., doing business as Alex J. Harmah Sons Co., New York, N. Y. Towels. Serial No. 440,160; Apr. 1. Class 42.

Hammond Bag & Paper Co., Wellsburg, W. Va. Bags made from paper or other sheet material. Serial No. 440,507; Apr. 1. Class 2.

Hayman, Don C., Uniontown, Pa. Newspaper column. Serial No. 439,655; Apr. 1. Class 38.

Hoffman, J. L., Company, Inc., Allentown, Pa. Chemical mixture. Serial No. 440,592; Apr. 1. Class 6.

Hollywood Star, The, New York, N. Y. Tabloid newspaper. Serial No. 439,396; Apr. 1. Class 38.

Horlick's Malted Milk Corporation, Racine, Wis. Malted milk. Serial No. 439,342; Apr. 1. Class 46.

Hotcan Corporation, Los Angeles, Calif. Receptacles. Serial No. 435,617; Apr. 1. Class 2.

Huiskamp Brothers Co., Keokuk, Iowa. Shoes. Serial No. 439,656; Apr. 1. Class 39.

Jessop Steel Company, Washington, Pa. Tool steel, cutlery steel, stainless and alloy steel, etc. Serial No. 437,281; Apr. 1. Class 14.
International Paper Company, New York, N. Y. Printing paper. Serial No. 438,806; Apr. 1. Class 37.
Kahn Mfg. Co., Mobile, Ala. Suits and trousers. Serial No. 438,948; Apr. 1. Class 39.
Kamber & Masket, Inc., New York, N. Y. Sportswear. Serial No. 439,776; Apr. 1. Class 39.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. Serial Nos. 437,-384–5; Apr. 1. Class 11.
Kentucky Whip & Collar Company, Inc., The, Princeton, Ky. Horse collars and harness. Serial No. 439,809; Apr. 1. Class 3.
Keuffel & Esser Company, Hoboken, N. J. Tracing paper. Serial No. 438,844; Apr. 1. Class 37.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants, comprising oils and greases. Serial No. 439,870; Apr. 1. Class 15.
Kimberly-Clark Corporation, Neenah, Wis. Shoe counter material in the nature of artificial leather. Serial No. 439,516; Apr. 1. Class 50.
Kraus Bros. & Co., Inc., New York, N. Y. Alcoholic bitters. Serial No. 433,253; Apr. 1. Class 49.
Kurtz Bros., Inc., Clearfield, Pa. Pencil tablets, composition books, spelling blanks, etc. Serial No. 437,040; Apr. 1. Class 37.
Lactra Tooth Paste Co. (See Brown, Milton.)
Lansburgh & Bro., Washington, D. C. Sheets, pillow cases, blankets, etc. Serial No. 439,935; Apr. 1. Class 42.
Leggett, Francis H., & Company, New York, N. Y. Canned tuna fish and salmon. Serial No. 437,519; Apr. 1. Class 46.
Linen Thread Co., Inc., The, New York, N. Y. Tennis nets and the cable receiving top bands or bindings of tennis nets. Serial No. 440,373; Apr. 1. Class 22.
Loxair, Incorporated. (See Steele & Bartell, Inc., assignor.)
Madelaine, Inc., Newark, N. J. Under arm and body liquid spray deodorant. Serial No. 439,234; Apr. 1. Class 6.
McCray Refrigerator Company, Kendallville, Ind. Refrigerator coils. Serial No. 440,691; Apr. 1. Class 31.
Menich, Harry P., Topeka, Kans. Medicine for use in the treatment of eczema, skin cancer, etc. Serial No. 440,338; Apr. 1. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Acid neutralizing astringent and hematinic. Serial No. 440,527; Apr. 1. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Analgesic and sedative tablet. Serial No. 440,696; Apr. 1. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Anti-diarrhoic preparation. Serial No. 440,697; Apr. 1. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Vermifuge. Serial No. 440,699; Apr. 1. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Aphrodisiac tablet. Serial No. 440,702; Apr. 1. Class 6.
Mid-City Wholesale Grocers, Inc., Cicero, Ill. Grape juice, apple cider, etc. Serial No. 440,015; Apr. 1. Class 45.
Midland Cooperative Dairy Association, Shawano, Wis., and New York, N. Y. Canned evaporated milk. Serial No. 402,307; Apr. 1. Class 46.
Miller Chemical & Fertilizer Corporation, Baltimore, Md. Colloid copper fungicide. Serial No. 440,560; Apr. 1. Class 6.
Miller, David G., Kansas City, Mo. Medicine for rheumatism, liver complaint, etc. Serial No. 435,468; Apr. 1. Class 6.
Miller, Polk, Products Corp., Richmond, Va. Medicines for dogs. Serial No. 440,290; Apr. 1. Class 6.
Mimosa America Corporation, New York, N. Y. Cameras. Serial No. 430,920; Apr. 1. Class 26.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. Serial No. 440,052; Apr. 1. Class 46.
Mitchell & Weber, Inc., New York, N. Y. Blouses, dresses, housecoats, etc. Serial No. 439,489; Apr. 1. Class 39.
Morris & Company, Incorporated, Baltimore, Md. Wool silk, cotton, and rayon piece goods. Serial No. 440,016; Apr. 1. Class 42.
Morris Shoe Co., Inc., New York, N. Y. Shoes. Serial No. 409,432; Apr. 1. Class 39.
Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. Serial No. 438,400; Apr. 1. Class 47.
Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. Serial No. 438,490; Apr. 1. Class 47.
Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. Serial No. 438,546; Apr. 1. Class 47.
Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. Serial No. 437,700; Apr. 1. Class 47.
Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. Serial No. 438,955; Apr. 1. Class 47.
Newspaper PM, Inc., The, New York, N. Y. Column in a daily newspaper. Serial No. 439,357; Apr. 1. Class 38.
Northwestern Seed Growers, Inc., Moscow, Idaho. Field seed, grain seed, grass seed, etc. Serial No. 436,871; Apr. 1. Class 1.
Nolte, Otto C., doing business as Dry Placer Machine Company, Deer Lodge, Mont. Machine for separating gold particles from comminuted material. Serial No. 420,425; Apr. 1. Class 23.
O-Cedar Corp'n., Chicago, Ill. Insecticide. Serial No. 432,545; Apr. 1. Class 6.
Oneida Ltd., Oneida, N. Y. Silver polish. Serial No. 428,291; Apr. 1. Class 4.
Paillard, E., & Cie, Societe Anonyme, Yverdon, Switzerland. Typewriting machines and parts of the same. Serial No. 432,694; Apr. 1. Class 23.
Palmer, E. B., Stephenville, Tex. Ready mixed paints. Serial No. 439,550; Apr. 1. Class 16.
Paper Mills Agency of Oregon Incorporated, Portland, Oreg. Paper products particularly paper water marks, paper napkins and bond paper. Serial No. 436,549; Apr. 1. Class 37.
Pender, David, Grocery Company, Norfolk, Va. Butter, oleomargarine, salad dressing, etc. Serial No. 438,582; Apr. 1. Class 46.
Pennwood Company, The, Pittsburgh, Pa. Clocks. Serial No. 439,663; Apr. 1. Class 27.
Perma-Gel Company, The, Washington, D. C. Stabilizer for food products, a water absorption agent for food preparations, etc. Serial No. 438,149; Apr. 1. Class 6.
Phillips, Ann, doing business as A. Phillips, New York, N. Y. Ladies' ornamental cuffs and collars. Serial No. 439,551; Apr. 1. Class 39.
Phosphate Mining Company, The, New York, N. Y. Fertilizers and fertilizer materials. Serial No. 438,449; Apr. 1. Class 10.
Pinckard, Carl O., doing business as Tropical Fruit Products Company, St. Louis, Mo. Fruit juices and concentrates thereof. Serial No. 439,490; Apr. 1. Class 45.
Polaroid Corporation, Cambridge, Mass. Small cases adapted to contain filters, eyeglasses, and similar articles. Serial No. 439,554; Apr. 1. Class 2.
Powdrell & Alexander, Inc., Danielson, Conn. Curtain piece goods of all-cotton knitted lace. Serial No. 439,-416; Apr. 1. Class 42.
Prosperity California Wines. (See Mutascio, Joseph.)
Reelife Motion Pictures. (See Allen, Robert W.)
Row, Peterson & Company, Evanston, Ill. Books. Serial No. 439,366; Apr. 1. Class 38.
Row, Peterson & Company, Evanston, Ill. Books. Serial No. 439,604; Apr. 1. Class 38.
Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Paste and ready-mixed paints, lacquers and paint enamels. Serial No. 440,663; Apr. 1. Class 16.
Russo, A., & Co., Inc., Chicago, Ill. Alimentary pastes, edible oil, and canned vegetables. Serial No. 437,973; Apr. 1. Class 46.
S & G Rubber Company, Inc., New York, N. Y. Rubber combs. Serial No. 434,293; Apr. 1. Class 40.
Sala Dress Co. (See Witwer Grocery Company.)
Schick Dry Shaver, Inc., Stamford, Conn. Electric shaving machines and shaving heads for shaving machines. Serial No. 413,082; Apr. 1. Class 23.
Schleifer & Lubell, Inc., New York, N. Y. Dresses, play suits, blouses, etc. Serial No. 438,316; Apr. 1. Class 39.
Schmid, Julius, Incorporated, New York, N. Y. Prophylactic membranous articles. Serial No. 436,484; Apr. 1. Class 44.
Schmitt, Van Riper, & Co., Inc., New York, N. Y. Cotton twines, sash cord, clothes lines, etc. Serial Nos. 439,-321–2; Apr. 1. Class 7.
Seaman Paper Company, Chicago, Ill. Kapok batting for sound-deadening and thermal insulation. Serial Nos. 439,836–7; Apr. 1. Class 24.
Seoane, Abelino, Denver, Colo. Medical preparation. Serial No. 440,389; Apr. 1. Class 6.
Seven Star Botanic Drugs. (See Banks, Olivette M.)
Sola Plexo Vitalizer Corporation, Rockford, Ill. Exercising devices. Serial No. 440,025; Apr. 1. Class 22.
Soproco Incorporated, New Orleans, La. Boiler compound. Serial No. 440,064; Apr. 1. Class 6.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Badminton shuttlecocks. Serial No. 440,707; Apr. 1. Class 22.
Spira, Andrew, doing business as Spira & Co., New York, N. Y. Canned fruits, vegetables, fish, vinegar, raisins, etc. Serial No. 436,033; Apr. 1. Class 46.
Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. Serial No. 440,136; Apr. 1. Class 6.
Standard Chemical Works Company, The, Columbus, Ohio. Scouring and bluing compounds. Serial No. 415,013; Apr. 1. Class 6.
Steele, Allen L., doing business as Steele Mfg. Co., New Orleans, La. Furniture polish. Serial No. 439,031; Apr. 1. Class 16.
Steele & Bartell, Inc., Atlanta, assignor to Loxair, Incorporated, Fulton County, Ga. Chemical composition for repairing punctures. Serial No. 424,561; Apr. 1. Class 5.
Sterling Pump Corporation, Hamilton, Ohio. Pumps and pump and pressure tank water supply units. Serial No. 437,975; Apr. 1. Class 23.

Sunland Packing House Company, Sunland, Calif. Citrus fruit. Serial No. 439,498; Apr. 1. Class 46.
Sunlite Mfg. Company, The, Milwaukee, Wis. Ironing pads. Serial Nos. 440,837–8; Apr. 1. Class 24.
Swan Fastener Corporation, New York, N. Y., and Philadelphia, Pa. Slide fasteners. Serial No. 438,853; Apr. 1. Class 13.
Tropical Fruit Products Company. (See Pinckard, Carl O.)
Truval Manufacturers, Inc., New York, N. Y. Pajamas. Serial No. 440,225; Apr. 1. Class 39.
Union Asbestos & Rubber Company, Chicago, Ill. Asbestos packing, with oil, rubber, or combination impregnation; asbestos sheet gasket material, etc. Serial No. 428,267; Apr. 1. Class 35.
United Metals Refining Company, Detroit, Mich. Nonferrous metals. Serial No. 432,053; Apr. 1. Class 14.
United Wall Paper Factories, Inc., Chicago, Ill. Wall paper. Serial No. 439,609; Apr. 1. Class 37.
United States Plywood Corporation, New York, N. Y. Waterproof glue. Serial No. 440,528; Apr. 1. Class 5.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Stain and filler for wood floors and the like. Serial No. 439,710; Apr. 1. Class 16.
Valentino, Thomas J., New York, N. Y. Disk sound records. Serial No. 431,131; Apr. 1. Class 36.
Weitner, H. A., Los Angeles, Calif. Single preparation used for desserts, pie-fillings, bread-spreads, etc. Serial No. 432,882; Apr. 1. Class 46.
Western Tire Auto Stores, Chicago, Ill. Radio receiving sets. Serial No. 420,195; Apr. 1. Class 21.
Witwer Grocery Company, doing business as Sala-Dress Co., Cedar Rapids, Iowa. Horseradish spread. Serial No. 438,600; Apr. 1. Class 46.
Wood Treating Chemicals Co., St. Louis, Mo. Penetrating, water repellent, wood preservative stain-sealer. Serial No. 438,462; Apr. 1. Class 16.
Woodward, Howard L., and P. I. and L. Clough, doing business as Clowood Company, Philadelphia, Pa. General household cleaner having incidental disintectant properties. Serial No. 439,135; Apr. 1. Class 4.
Zeidler, Frederick A. J. Toronto, Ontario, Canada. Prepared cereal food. Serial No. 437,428; Apr. 1. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Vitamin preparation. 386,330; Apr. 1; Serial No. 438,427; published Jan. 21, 1941. Class 6.
Advertiser, The. (See Rosenberg, Manuel.)
Airnovator Company. (See Campbell, Archibald U.)
Aliança Exportadora, Limitada, Lisbon, Portugal. Canned fish. 386,290; Apr. 1; Serial No. 437,801; published Jan. 21, 1941. Class 46.
Amco Sales Co. (See Coan, N. C.)
American Fork & Hoe Company. (See Kelly Axe Manufacturing Co., assignor.)
American Optical Company, Southbridge, Mass. Ophthalmic lenses, lenses for goggles, and blanks for such lenses. 386,320; Apr. 1; Serial No. 438,190; published Jan. 21, 1941. Class 26.
American Pet Supply. (See Klein, Roy P.)
Animal Foods Company. (See Coan, N. C.)
Armour and Company, Chicago, Ill. Canned dog food. 386,291; Apr. 1; Serial No. 437,802; published Jan. 21, 1941. Class 46.
Army Times Publishing Company. (See Happy Days Publishing Company.)
Arrow Match Corporation, The, Chicago, Ill. Match books. 386,325; Apr. 1; Serial No. 438,297; published Jan. 21, 1941. Class 9.
Art Productions Company, Grand Rapids, Mich. Game board. 386,327; Apr. 1; Serial No. 438,369; published Jan. 21, 1941. Class 22.
Awad, Leo J., doing business as L. J. Awad Manufacturing Company, Philadelphia, Pa. Hair tonic, soapless shampoo, skin cream, toilet water, etc. 386,221; Apr. 1; Serial No. 427,954; published Jan. 7, 1941. Class 6.
Bamberger, L., & Co., Newark, N. J. Hats and knitted suits, outer skirts, sweaters, etc. 386,271; Apr. 1; Serial No. 437,191; published Jan. 21, 1941. Class 39.
Barnes, T. L., doing business as Pine Coco Products Co., Des Moines, Iowa. Shampoo preparation. 386,364; Apr. 1. Class 6.
Bassick Company, The, Bridgeport, Conn. Wheel mountings for bicycles and other vehicles. 386,348; Apr. 1. Class 19.
Bastian-Morley Co., La Porte, Ind., by change of name to Bastian-Morley Co., Inc. Gas water-heaters. 138,-573; renewed Jan. 4, 1941.
Beatrice Creamery Company, Chicago, Ill., and Topeka, Kans., assignor to Beatrice Creamery Co., Chicago, Ill. Oleomargarin. 145,320; renewed Aug. 2, 1941.
Beatrice Creamery Company, Chicago, Ill. Salad dressing, sandwich spread, mayonnaise, etc. 386,214; Apr. 1; Serial No. 424,115; published Jan. 21, 1941. Class 46.
Beauty Counselors, Inc., Detroit, Mich. Face creams, face powders, hand, skin, and face lotions, etc. 386,217; Apr. 1; Serial No. 425,827; published Jan. 21, 1941. Class 6.
Ben-Hur Products, Inc., Los Angeles, Calif. Scent and water softener. 386,338; Apr. 1; Serial No. 438,642; published Jan. 21, 1941. Class 6.
Berst-Forster-Dixfield Company, New York, N. Y. Floral sticks. 386,367; Apr. 1. Class 50.
Beaver Medicine Company. (See Crane, George W.)
Billings & Spencer Company, The, assignor to The Billings & Spencer Company, Hartford, Conn. Tools and parts thereof. 130,638; renewed May 4, 1940.
Bitter, Aaron, doing business as A. Bitter Construction Co., Long Island City, N. Y. Merchandising unit in form of cabinet and sales counter. 386,355; Apr. 1. Class 32.
Blanck, Joseph I., doing business as Health-Gard Process Co., Brooklyn, N. Y. Liquid germicidal, fungicidal antiseptic and disinfectant compound. 386,212; Apr. 1; Serial No. 416,501; published Jan. 21, 1941. Class 6.
Bolduc, Yvonne, New Haven, Conn. Skin cream. 386,-285; Apr. 1; Serial No. 437,641; published Jan. 21, 1941. Class 6.
Boyle & Company, Los Angeles, Calif. Malt compound containing liver extract, yeast, and vitamins. 386,333; Apr. 1; Serial No. 438,527; published Jan. 21, 1941. Class 6.
Brewin, Harry E., & Sons, Inc., Pleasantville, N. J. Arterial fluid. 386,321; Apr. 1; Serial No. 438,192; published Jan. 21, 1941. Class 6.
Bristol-Myers Company, Brooklyn, N. Y., assignor, by mesne assignments, to Bristol-Myers Company, New York, N. Y. Tooth-paste. 143,560; renewed June 7, 1941.
Brush Development Company, The, Cleveland, Ohio. Unitary piezoelectric assembly of composite, laminar, or multiple construction. 386,307; Apr. 1; Serial No. 438,066; published Jan. 21, 1941. Class 21.
Brush Development Company, The, Cleveland, Ohio. Electrical device. 386,308; Apr. 1; Serial No. 438,067; published Jan. 21, 1941. Class 21.
Buffalo Springs Distilling Company, Inc., Stamping Ground, Ky. Whiskey. 386,277; Apr. 1; Serial No. 437,463; published Jan. 21, 1941. Class 49.
Campbell, Archibald U., South Orange, N. J., doing business as Airnovator Company. Room-ventilator unit. 386,301; Apr. 1; Serial No. 437,990; published Jan. 21, 1941. Class 34.
Carter Medicine Company, assignor to Carter Products, Inc., New York, N. Y. Pills. 19,608–9; re-renewed June 2, 1941.
Carter Medicine Company, assignor to Carter Products, Inc., New York, N. Y. Pills. 19,729; re-renewed June 16, 1941.
Cave Springs Distillery Corporation, Inc., Wilder, Newport, Ky. Whiskey. 386,210; Apr. 1; Serial No. 414,248; published Mar. 7, 1939. Class 49.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 386,313–14–15; Apr. 1; Serial Nos. 438,118–20; published Jan. 21, 1941. Class 42.
Celanese Corporation of America, New York, N. Y. Yarns. 386,324; Apr. 1; Serial No. 438,265; published Jan. 21, 1941. Class 43.
Celanese Corporation of America, New York, N. Y. Piece goods. 386,347; Apr. 1. Class 42.
Chadkin, Bernard, New York, N. Y. Photographic lenses. 386,309; Apr. 1; Serial No. 438,069; published Jan. 21, 1941. Class 26.
Chew-Bittel Co., Philadelphia, Pa. Mineral wool. 386,-211; Apr. 1; Serial No. 415,107; published Jan. 14, 1941. Class 12.
Citizen's Wholesale Supply Company, Columbus, Ohio. Marshmallow crème and egg-powder compound. 143,-571; renewed June 7, 1941.
Citizens' Wholesale Supply Company, The, Columbus, Ohio. Black ink and red ink. 145,061; renewed July 26, 1941.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 386,-227; Apr. 1; Serial No. 430,858; published Jan. 14, 1941. Class 39.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and negligee and dress shirts. 386,340; Apr. 1; Serial No. 437,334; published June 11, 1940. Class 39.
Coan, N. C., doing business as Animal Foods Company and Amco Sales Co., San Jose, Calif., and Houston, Tex. Canned foods for dogs, cats, foxes, and other carnivorous animals. 386,302; Apr. 1; Serial No. 437,995; published Jan. 21, 1941. Class 46.
Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, earrings, etc. 386,292; Apr. 1; Serial No. 437,811; published Jan. 21, 1941. Class 28.
Coleman & Company, Limited, Norwich, England. Medicinal tonics. 141,521; Apr. 26. Class 6.
Collins-Dietz-Morris Company, Oklahoma City, Okla. Tomato juice, salmon, tomatoes, etc. 386,228; Apr. 1; Serial No. 431,105; published Jan. 21, 1941. Class 46.

Colyear Motor Sales Company, Los Angeles, Calif. Axle spindles, brake shoes, shock absorbers, etc. 386,233; Apr. 1; Serial No. 434,104; published Jan. 21, 1941. Class 19.

Community Service (Incorporated), New York, N. Y. Printed pamphlets, circulars, and books. 145,548; renewed August 9, 1941.

Connecticut Paper Products, Inc., New Britain, Conn. Paper cups. 386,239; Apr. 1; Serial No. 434,972; published Jan. 21, 1941. Class 2.

Connors Steel Company, Birmingham, Ala. Steel bars. 386,207; Apr. 1; Serial No. 397,183; published Jan. 21, 1941. Class 12.

Cooke Construction Company, Detroit, Mich. Plans and specifications for houses. 386,274; Apr. 1; Serial No. 437,405; published Jan. 21, 1941. Class 38.

Crane, George W., to The Bever Medicine Company, Fort Wayne, Ind., successor. Medicine. 138,799; renewed Jan. 11, 1941.

Crawford Manufacturing Company Inc., Richmond, Va. Tire-covers. 145,343; renewed August 2, 1941.

Creomulsion Company, Griffin, assignor, to Creomulsion Company, Atlanta, Ga. Medicine. 144,186; renewed June 28, 1941.

D'Agostino, Benjamin, doing business as D'Agostino Laboratories, Los Angeles, Calif. Liquid preparation for mending broken finger nails. 386,204; Apr. 1; Serial No. 436,901; published Jan. 21, 1941. Class 6.

Denver Fire Clay Company, The, Denver, Colo. Lightweight refractory concrete. 386,236; Apr. 1; Serial No. 434,712; published Jan. 21, 1941. Class 12.

Desmond's, Los Angeles, Calif. Men's and boys' suits, jackets, overcoats, etc. 386,268; Apr. 1; Serial No. 437,029; published Jan. 14, 1941. Class 39.

Detroit Show Case Company, Detroit, Mich. Store front construction. 386,262; Apr. 1; Serial No. 436,836; published Jan. 14, 1941. Class 12.

Dobo Chemical Corporation, The, New York, N. Y. Chemical compound. 386,334; Apr. 1; Serial No. 438,533; published Jan. 21, 1941. Class 6.

Dormer, Frederic J., New York, N. Y. Ski boots, slippers, suits and pants, etc. 386,303; Apr. 1; Serial No. 437,997; published Jan. 21, 1941. Class 39.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Rubber flooring. 386,246; Apr. 1; Serial No. 435,751; published Jan. 21, 1941. Class 12.

Eagle Signal Corporation, Moline, Ill. Timing devices. 386,322; Apr. 1; Serial No. 438,196; published Jan. 21, 1941. Class 21.

Earle, Marie, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 386,339; Apr. 1; Serial No. 438,689; published Jan. 21, 1941. Class 6.

Earnshal Knitting Company, doing business as Vanta Laborntories, Newton, Mass. Nursery spray. 386,250; Apr. 1; Serial No. 436,206; published Jan. 21, 1941. Class 6.

East-Side Winery, Lodi, Calif. Wines. 386,359; Apr. 1. Class 47.

Eclipse Counterbore Company, Detroit, Mich. Machine tools. 386,323; Apr. 1; Serial No. 438,107; published Jan. 21, 1941. Class 23.

Edison Orange Growers Association, Edison, Calif. Fresh citrus fruits. 386,235; Apr. 1; Serial No. 434,487; published Jan. 21, 1941. Class 46.

Eisenberg & Sons, Inc., Chicago, Ill. Ladies' dresses, coats, suits, etc. 386,229; Apr. 1; Serial No. 431,447; published Jan. 21, 1941. Class 39.

Elmers, Charles C. (See United States Products Company, assignor.)

Ely & Walker Dry Gooda Company, St. Louis, Mo. Dresses. 386,318; Apr. 1; Serial No. 438,175; published Jan. 21, 1941. Class 39.

Endo Products, Inc., New York, N. Y. Preparation of vitamin K. 386,328; Apr. 1; Serial No, 438,383; published Jan. 21, 1941. Class 6.

Excellent Dresses, Inc., New York, N. Y. Dresses. 386,369; Apr. 1. Class 39.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Medicinal tonic. 144,568; July 12. Class 6.

Falsole, Charles. (See Hudson Valley Wine Company, Inc., assignor.)

Farrar & Trefts, Incorporated, Buffalo, N. Y. Pressure heating tanks and hot water and steam boilers. 386,249; Apr. 1; Serial No. 436,170; published Jan. 21, 1941. Class 34.

Fawcett Publications, Inc., Greenwich, Conn. Publication appearing annually. 386,287; Apr. 1; Serial No. 437,648; published Jan. 14, 1941. Class 38.

Fierman-Kolmer Co., Inc., New York, N. Y. Coats, suits, and jackets. 386,319; Apr. 1; Serial No. 438,177; published Jan. 21, 1941. Class 39.

Fitzpatrick Bros., Chicago, Ill. Cleaning and scouring preparation for glass and metal. 145,360; renewed Aug. 2, 1941.

Florsheim Shoe Company, The, assignor to the Florsheim Shoe Company, Chicago, Ill. Boots and shoes. 144,764; renewed July 19, 1941.

Fralm-Slaymaker Hardware Company, as assignee of Samuel R. Slaymaker, Lancaster, Pa., assignor to and by change of name to Slaymaker Lock Company. Locks, keys, and parts thereof, etc. 142,782; renewed May 17, 1941.

Fulton Bag and Cotton Mills, Atlanta, Ga. Open mesh bags. 386,310; Apr. 1; Serial No. 438,071; published Jan. 21, 1941. Class 2.

General Dyestuff Corporation, New York, N. Y. Leather softener. 386,224; Apr. 1; Serial No. 429,044; published Jan. 21, 1941. Class 4.

General Dyestuff Corporation, New York, N. Y. Dyestuffs. 386,336; Apr. 1; Serial No. 438,569; published Jan. 21, 1941. Class 6.

General Printing Ink Corporation. (See Ullman, Sigmund, Co., assignor.)

Germantown Cold Storage Company, Inc., Germantown, N. Y. Fresh apples. 386,368; Apr. 1. Class 46.

Gibbs Boardtile Corporation, Chicago, Ill. Boardtile-wall covering; also marble and wood finish boards. 386,272; Apr. 1; Serial No. 437,246; Jan. 21, 1941. Class 12.

Glass Industry Publishing Co., Inc., assignor to Ogden-Watney Publishers, Inc., New York, N. Y. Publication issued monthly. 142,269; renewed May 10, 1941.

Glidden Company, The, Cleveland, Ohio. Paints, colors in oil, paint enamels, lacquers, etc. 386,206; Apr. 1; Serial No. 389,682; published July 25, 1939. Class 16.

Gluck, Lew L., Inc., New York, N. Y. Dresses. 386,293; Apr. 1; Serial No. 437,819; published Jan. 21, 1941. Class 39.

Golden Peacock. (See Paris Toilet Company, The.)

Golden West Products Co., Inc., Los Angeles, Calif. Peanut butter. 386,242; Apr. 1; Serial No. 435,200; published Oct. 29, 1940. Class 46.

Goodall Worsted Company, Sanford, Maine. Outer garments. 386,346; Apr. 1. Class 39.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Water soluble liquid. 386,335; Apr. 1; Serial No. 438,541; published Jan. 21, 1941. Class 6.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Canned salmon. 386,297; Apr. 1; Serial No. 437,944; published Jan. 21, 1941. Class 46.

Happy Days Publishing Company, doing business as Army Times Publishing Company, Washington, D. C. Weekly newspaper. 386,273; Apr. 1; Serial No. 437,247; published Jan. 21, 1941. Class 38.

Harley-Davidson Motor Company, Milwaukee, Wis. Monthly magazines. 140,395; renewed March 15, 1941.

Health-Gard Process Co. (See Blanck, Joseph I.)

Henry, Harry, Chicago, Ill. Newspaper. 386,252; Apr. 1; Serial No. 436,512; published Jan. 21, 1941. Class 38.

Heller, B., & Company, Chicago, Ill. Chemical preparation. 386,263; Apr. 1; Serial No. 436,931; published Jan. 21, 1941. Class 6.

Hill, R. O. H., Incorporated, New York, N. Y. Business card cases. 386,247; Apr. 1; Serial No. 435,760; published Jan. 21, 1941. Class 3.

Hindu Perfume Company. (See Karim, Eldorado.)

Hirsch, Cal, & Sons Mercantile Co., St. Louis, Mo., to Hirsch Mercantile Company, Los Angeles, successor. Outing clothing. 142,567; renewed May 17, 1941.

Hirsch, Cal, & Sons Mercantile Co., St. Louis, Mo., and Los Angeles, Calif., to Hirsch Mercantile Company, Los Angeles, Calif., successor. Outing suits. 143,646; renewed June 7, 1941.

Hirsch-Werner, Inc., New York, N. Y. Cotton fabric. 386,356; Apr. 1. Class 42.

Hoberg Paper Mills Inc., Green Bay, Wis. Cellulose wadding backed with kraft paper. 386,365; Apr. 1. Class 37.

Hudnut, Richard, New York, N. Y. Soap. 144,583; renewed July 12, 1941.

Hudson Valley Wine Company, Inc., Highland, N. Y., assignor to C. Falsole, Englewood, N. J. Wine. 386,304; Apr. 1; Serial No. 438,009; published Jan. 21, 1941. Class 47.

Indiana Chemical & Mfg. Co., Indianapolis, Ind. Lithographic-ink reducer. 140,404; renewed Mar. 15, 1941.

International Shoe Company. (See Plant, Thomas G., Company, assignor.)

Inter-State Oil Company, assignor to Inter-State Oil Co., Inc., Minneapolis, Minn. Dry colors, colors in oil, ready-mixed paints, and enamel paints. 142,280; renewed May 10, 1941.

Iota Tau Lambda, Dayton, Ohio. Quarterly publication and a national directory published annually. 386,237; Apr. 1; Serial No. 434,791; published Jan. 21, 1941. Class 38.

Irvin & Rose. (See Smith, Rosie B.)

J. & J. Distributing Company, Newark, N. J. Rum, whiskey, gin, etc. 386,305; Apr. 1; Serial No. 438,010; published Jan. 21, 1941. Class 49.

Karim, Eldorado, doing business as Hindu Perfume Company, Newark, N. J. Hair pomade. 386,279; Apr. 1; Serial No. 437,512; published Jan. 21, 1941. Class 6.

Karl's, Mrs., Bakeries, Inc., Milwaukee, Wis. Bread, cakes, rolls, etc. 386,341; Apr. 1. Class 46.

Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. 386,245; Apr. 1; Serial No. 435,723; published Jan. 21, 1941. Class 39.

Kelly Axe Manufacturing Co., Inc., Charleston, W. Va., and New York, N. Y., assignor, by mesne assignments, to The American Fork & Hoe Company, Cleveland, Ohio. Axes, hatchets, machetes, etc. 140,855; renewed Mar. 29, 1941.

Kilfrost Manufacturing Company, Ltd., London, England. Defrosting paste and aviation defrosting paste. 386,208; Apr. 1; Serial No. 400,309; published Jan. 21, 1941. Class 6.

Klein, Roy P., doing business as American Pet Supply, Chicago, Ill. Animal food supplement for dogs and cats. 386,253; Apr. 1; Serial No. 436,572; published Jan. 21, 1941. Class 46.

Knickerbocker Mfg. Co., to Knickerbocker Rubber Company, Chicago, Ill., successor. Massage shower-bath sprays. 140,618; renewed Mar. 22, 1941.

Knott, Wm. T., Company, Inc., New York, N. Y. Merchandise certificates. 386,218; Apr. 1; Serial No. 426,133; published Nov. 12, 1940. Class 38.

Latrobe Brewing Company, Latrobe, Pa. Beer, ale, and other malt beverages. 386,222–3; Apr. 1; Serial Nos. 428,361–2; published Mar. 26, 1940. Class 48.

Les Parfums de Dana, Inc., New York, N. Y. Perfumes, toilet water, cologne. 386,316; Apr. 1; Serial No. 438,139; published Jan. 21, 1941. Class 6.

Liebowitz, Benjamin, New York, N. Y. Pipes and filter bowls. 386,278; Apr. 1; Serial No. 437,473; published Jan. 21, 1941. Class 8.

Lilly, Eli, and Company, Indianapolis, Ind. Liver concentrate preparation. 386,288; Apr. 1; Serial No. 437,686; published Jan. 21, 1941. Class 6.

Linen Thread Co., Inc., The, New York, N. Y. Twine. 386,286; Apr. 1; Serial No. 437,823; published Jan. 21, 1941. Class 7.

Lissmann, Jacob, New York, N. Y. Canned fish and preserved fish goods. 386,234; Apr. 1; Serial No. 434,449; published Jan. 21, 1941. Class 46.

Los Angeles Olive Growers Association. (See Sylmar Packing Corporation.)

Luscombe Airplane Corporation, West Trenton, N. J. Airplanes and airplane structural parts. 386,357; Apr. 1. Class 19.

Lyonset Limited, New York, N. Y. Chemicals and chemical compounds, etc. 386,231; Apr. 1; Serial No. 431,817; published Jan. 21, 1941. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Books of coupons redeemable in merchandise. 386,215; Apr. 1; Serial No. 425,153; published Jan. 21, 1941. Class 38.

Mason, Au & Magenheimer Confectionery Company. (See Prentiss, William, Jr., Company, assignor.)

Masonite Corporation, Chicago, Ill. Heat, sound, and combustion insulating material, of expanded vermiculite. 386,230; Apr. 1; Serial No. 431,661; published Jan. 21, 1941. Class 12.

McClung Chemical Company. (See Phillips, Henry T.)

McCrory Stores Corporation, New York, N. Y. Tooth brushes. 386,248; Apr. 1; Serial No. 436,058; published Jan. 21, 1941. Class 29.

McKesson & Robbins, Inc. (See Wardall, William J.)

McQueen, Alexander, Chicago, Ill. Scripts. 386,306; Apr. 1; Serial No. 438,047; published Jan. 14, 1941. Class 38.

Merem Co., New York, N. Y. Manicuring preparation. 386,326; Apr. 1; Serial No. 438,347; published Jan. 21, 1941. Class 6.

Morris & Company, Incorporated, assignor to Straus, Royer & Strass, Inc., Baltimore, Md. Dresses. 141,618; renewed Apr. 26, 1941.

Mount Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 140,177–9; renewed Mar. 8, 1941.

Muirson Label Company, Inc., New York, N. Y. Canned fruits and vegetables. 386,260; Apr. 1; Serial No. 436,774; published Jan. 21, 1941. Class 46.

National Association of Credit Men, New York, N. Y. Monthly publication. 144,615; renewed July 12, 1941.

National Pole and Treating Company, Minneapolis, Minn. Treated cedar poles. 386,256; Apr. 1; Serial No. 436,697; published Jan. 21, 1941. Class 12.

National Starch Products Inc., New York, N. Y. Food starches. 386,241; Apr. 1; Serial No. 435,093; published Jan. 21, 1941. Class 46.

Nicholson File Company, Providence, R. I. Files and rasps and holders and handles therefor. 142,640; renewed May 17, 1941.

Nicholson File Company, Providence, R. I. Files and rasps. 144,017; renewed June 21, 1941.

Norma-Hoffmann Bearings Corporation, Stamford, Conn. Grease for ball and roller bearings. 386,295; Apr. 1; Serial No. 437,905; published Jan. 14, 1941. Class 15.

Nyanza Color & Chemical Co. Inc., New York, N. Y. Chemicals. 386,331; Apr. 1; Serial No. 438,444; published Jan. 21, 1941. Class 6.

Ogden-Watney Publishers, Inc. (See Glass Industry Publishing Co., assignor.)

Oregon Merchants Publishing Co., Inc., Portland, Oreg. Periodical. 386,362; Apr. 1. Class 38.

Pacific Mills, Lawrence and Boston, Mass. Piece goods. 386,317; Apr. 1; Serial No. 438,148; published Jan. 21, 1941. Class 42.

Paris Toilet Company, The, Paris, Tenn., by change of name to Golden Peacock, Incorporated. Toilet preparations. 143,130; renewed May 24, 1941.

Penick, S. B., & Company, Inc., to S. B. Penick & Company, New York, N. Y., successor. Henna-leaves. 139,863; renewed Feb. 22, 1941.

Phillips, Henry T., to McClung Chemical Company, Columbus, Ohio, successor. Nail-polish. 139,869; renewed Feb. 22, 1941.

Pillsbury Flour Mills Company, Minneapolis, Minn. Flatware. 386,270; Apr. 1; Serial No. 437,104; published Jan. 14, 1941. Class 28.

Pine Coco Products Co. (See Barnes, T. L.)

Pix, Incorporated, New York, N. Y. Photographs. 386,244; Apr. 1; Serial No. 435,668; published Jan. 21, 1941. Class 38.

Plant, Thomas G., Company, Boston, Mass., assignor to International Shoe Company, St. Louis, Mo. Boots, shoes, and slippers. 145,571–2; renewed Aug. 9, 1941.

Prentiss, William, Jr., Company, assignor to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Nut-candy. 140,938; renewed Mar. 29, 1941.

Price Candy Company, Kansas City, Mo. Candy. 386,220; Apr. 1; Serial No. 426,783; published Jan. 21, 1941. Class 46.

Purepac Corporation, New York, N. Y. Perfumed bath salts. 386,289; Apr. 1; Serial No. 437,695; published Jan. 21, 1941. Class 6.

Quaker Oats Company, The, Chicago, Ill. Crushed oats, wheat-hearts, wheat-flakes, and wheat-flour, etc. 143,143; renewed May 24, 1941.

Raymond, Charles A., doing business as Raymond Products Co., Marion, Ohio. Confection. 386,216; Apr. 1; Serial No. 425,627; published Jan. 21, 1941. Class 46.

Reader's Digest Association, Inc., The, Pleasantville, N. Y. Monthly magazine or periodical written in the Spanish language. 386,298; Apr. 1; Serial No. 437,968; published Jan. 21, 1941. Class 38.

Reeves, Ray R., Los Angeles, Calif. Shoe soles. 386,243; Apr. 1; Serial No. 435,315; published Jan. 21, 1941. Class 39.

Rindge, Frederick H., III, Malibu Canyon, Pacific Palisades, Calif. Ducks, both live and dressed. 386,294; Apr. 1; Serial No. 437,882; published Jan. 21, 1941. Class 46.

Rogers Imports, Inc., New York, N. Y. Tobacco pouches, pipes, and cigar and cigarette holders. 386,280; Apr. 1; Serial No. 437,531; published Jan. 21, 1941. Class 8.

Rosenberg Bros. & Co., San Francisco, Calif. Dried fruits. 386,352; Apr. 1. Class 46.

Rosenberg, Manuel, doing business as The Advertiser, Cincinnati, Ohio. Annual publication. 386,361; Apr. 1. Class 38.

Russell, Lillian, Kew Gardens, Long Island, N. Y. Face cream, face pack, face powder, etc. 386,226; Apr. 1; Serial No. 430,362; published Jan. 21, 1941. Class 6.

Rust-Foe Co., Inc., New York, N. Y. Rust removing, rust preventing, and metal cleaning preparation. 386,254; Apr. 1; Serial No. 436,661; published Jan. 21, 1941. Class 6.

Salomon & Phillips, New York, N. Y. Shoe, boot, and other leather polishes. 386,240; Apr. 1; Serial No. 435,031; published Jan. 21, 1941. Class 4.

Sanco Piece Dye Works, Inc., Gernerville and New York, N. Y. Cotton, rayon, woolen and linen fabrics. 386,299; Apr. 1; Serial No. 437,974; published Jan. 21, 1941. Class 42.

Sanford Mills, Sanford, Maine. Artificial leather. 144,918; renewed July 19, 1941.

San Francisco Shopping News Company, San Francisco, Calif. Newspaper section. 386,350; Apr. 1. Class 38.

Sargent & Company, Des Moines, Iowa. Feed for hogs. 386,349; Apr. 1. Class 46.

Schoenhofen Company, assignor, by mesne assignments, to Schoenhofen Edelweiss Company, Chicago, Ill. Ginger-ale. 145,454; renewed Aug. 2, 1941.

Schoenhofen Company, assignor, by mesne assignments, to Schoenhofen Edelweiss Company, Chicago, Ill. Root-beer. 145,455; renewed Aug. 2, 1941.

Schurman, I. L., Chicago, Ill. Stove and heating oil. 386,265; Apr. 1; Serial No. 437,017; published Jan. 21, 1941. Class 15.

Scott Paper Company, Chester, Pa. Paper towels. 386,354; Apr. 1. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Comforters and blankets. 386,311; Apr. 1; Serial No. 438,090; published Jan. 21, 1941. Class 42.

Sessions Company, Inc., Enterprise, Ala. Peanut butter. 386,351; Apr. 1. Class 46.

Severa, W. F., Co., Cedar Rapids, Iowa. Tonics. 140,433; renewed Mar. 15, 1941.

Shallow Water Refining Co., Scott City, Kans. Roofing asphalt. 386,213; Apr. 1; Serial No. 418,990; published May 14, 1940. Class 12.

Shopshur, Inc., Bangor, Pa. Identification coupons. 386,281; Apr. 1; Serial No. 437,601; published Jan. 14, 1941. Class 38.

Showmen's Trade Review, Inc., New York, N. Y. Directory published as a section of a periodical. 386,282; Apr. 1; Serial No. 437,602; published Jan. 21, 1941. Class 38.

Singer Manufacturing Company, The, New York, N. Y., to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines and attachments, and parts thereof. 20,065; re-renewed Aug. 18, 1941.

Slaymaker Lock Company. (See Fralm-Slaymaker Hardware Company, assignor.)

Smit, J. K., & Sons, Inc., New York, N. Y. Diamond bits. 386,343; Apr. 1. Class 23.

Smith, Kenneth, Lenexa, Kans. Golf clubs. 386,360; Apr. 1. Class 22.

Smith, Rosie B., doing business as Irvin & Rose, New Orleans, La. Preparation for the treatment of athlete's foot, ring worm, pimples, etc. 386,209; Apr. 1; Serial No. 409,942; published Jan. 21, 1941. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. Lubricating oils and lubricating greases. 386,358; Apr. 1. Class 15.

Sorel Silks Corporation, New York, N. Y. Silk, satin, rayon, etc. fabrics. 386,269; Apr. 1; Serial No. 437,049; published Jan. 21, 1941. Class 42.

Southern & Richardson, Limited, Sheffield, England. Cutlery and edge-tools. 142,144; renewed May 3, 1941.

Standard Brands Incorporated. (See Whittier, Charles T., assignor.)

Standard Stoker Company, Inc., The, New York, N. Y. Fuel stokers. 386,312; Apr. 1; Serial No. 438,096; published Jan 21, 1941. Class 34.

Stationers' Guild of America, Philadelphia, Pa. Adding machine ribbons, carbon paper, duplicator ink, etc. 386,329; Apr. 1; Serial No. 438,406; published Jan. 21, 1941. Class 11.

Stetson, John B., Company, to John B. Stetson Company, Philadelphia, Pa., successor. Hats and caps. 143,184; renewed May 24, 1941.

Stewart-Warner Corporation, Chicago, Ill. Liquid flushing compound. 386,284; Apr. 1; Serial No. 437,634; published Jan. 21, 1941. Class 6.

Stone Mountain Grit Co., Inc., Lithonia, Ga. Poultry grit. 386,353; Apr. 1. Class 1.

Straus, Royer & Strass, Inc. (See Morris & Company, Incorporated, assignor.)

Street & Smith Publications, Inc., New York, N. Y. Articles published at intervals. 386,257; Apr. 1; Serial No. 436,737; published Jan. 14, 1941. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Articles published at intervals. 386,258; Apr. 1; Serial No. 436,739; published Jan. 14, 1941. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Articles published dealing with cosmetics. 386,259; Apr. 1; Serial No. 436,742; published Jan 21, 1941. Class 38.

Swan, Mabel M., Brookline, Mass. Almanac. 386,276; Apr. 1; Serial No. 437,458; published Jan. 21, 1941. Class 38.

Swank Products, Inc., Attleboro, Mass., now by change of name Swank, Inc. Artificial flowers. 386,281; Apr. 1; Serial No. 436,781; published Jan. 21, 1941. Class 40.

Sylmar Packing Corporation, doing business as Los Angeles Olive Growers Association, Los Angeles, Calif. Canned olives. 386,238; Apr. 1; Serial No. 434,856; published Jan. 21, 1941. Class 46.

Taylor, Thomas & Sons, Inc., Hudson, Mass. Elastic shoe laces. 386,255; Apr. 1; Serial No. 436,681; published Jan. 21, 1941. Class 40.

Topkis Brothers Company, Wilmington, Del. Underwear. 142,795; renewed May 17, 1941.

Traficanti Brothers, doing business as Traficanti Bros., Chicago, Ill. Dehydrated onions. 386,300; Apr. 1; Serial No. 437,578; published Jan. 21, 1941. Class 46.

Trane Company, The, La Crosse, Wis. Heating, cooling, air conditioning units. 386,219; Apr. 1; Serial No. 426,175; published Jan. 21, 1941. Class 34.

Turco Products, Inc., Los Angeles, Calif. Cleaning compounds. 386,251; Apr. 1; Serial No. 436,488; published Jan. 21, 1941. Class 4.

Ullman, Sigmund, Co., assignor to General Printing Ink Corporation, New York, N. Y. Printing inks. 142,763; renewed May 17, 1941.

Ulrich, William E., Buffalo, N. Y. Preparation for the treatment of athlete's foot. 386,225; Apr. 1; Serial No. 430,294; published Jan. 21, 1941. Class 6.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 386,342; Apr. 1. Class 2.

Union Chain and Manufacturing Company, The, Sandusky, Ohio. Chain and chains, and parts thereof and attachments therefor. 386,232; Apr. 1; Serial No. 433,730; published Jan. 21, 1941. Class 13.

United Drug Company, Boston, Mass. Chocolate flavored syrup. 386,275; Apr. 1; Serial No. 437,424; published Jan. 21, 1941. Class 46.

United States Products Company, assignor to C. C. Elmers, Pittsburgh, Pa. Abrasive bearing-fitting compounds. 141,258; renewed Apr. 12, 1941.

Valley Packing Company, Salem, Oreg. Packing house products. 144,645; renewed July 12, 1941.

Vanta Laboratories. (See Earnshaw Knitting Company.)

Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 386,344; Apr. 1. Class 35.

Wardall, William J., trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Vitamin B complex preparation. 386,332; Apr. 1; Serial No. 438,460; published Jan. 21, 1941. Class 6.

Warner-Patterson Company, Chicago, Ill. Liquid solder for stopping leaks in automobile cooling systems; a compound to remove and prevent corrosion, rust and scale; etc. 386,337; Apr. 1; Serial No. 438,599; published Jan. 21, 1941. Class 6.

Warriner, Verne S., doing business as Warriner Publishing Company, Denver, Colo. Periodical. 386,296; Apr. 1; Serial No. 437,929; published Jan. 14, 1941. Class 38.

Warwick Chemical Company, West Warwick, R. I. Chemical products. 386,363; Apr. 1. Class 6.

Western Electric Company, Incorporated, New York, N. Y. Thermostat heat regulators for stoves, voltmeters, ammeters, etc. 142,173; renewed May 3, 1941.

Whitlock Cordage Co., Jersey City, N. J., and New York, N. Y. Vegetable fibre rope and twine. 386,366; Apr. 1. Class 7.

Whittier, Charles T., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Puddings and pie-fillings. 145,488; renewed Aug. 2, 1941.

Whittier Citrus Association, assignor to Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. 145,489; renewed Aug. 2, 1941.

Willats, Harold P., Hollywood, Calif. Bath oil face powder, bath powder, hand cream, etc. 386,266; Apr. 1; Serial No. 437,020; published Jan. 21, 1941. Class 6.

Worcester Knitting Company, The, New York, N. Y. Rayon, woolen, cotton, etc. fabrics. 386,267; Apr. 1; Serial No. 437,021; published Jan. 21, 1941. Class 42.

Worth Bros., Inc., Los Angeles, Calif. Worsted yarns. 386,283; Apr. 1; Serial No. 437,636; published Jan. 21, 1941. Class 43.

Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 144,090; renewed June 21, 1941.

Wright Products Manufacturing Company, Minneapolis, Minn. Storm window adjustors, window operators, swing light operators, etc. 386,345; Apr. 1. Class 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Grit, Poultry. Stone Mountain Grit Co. 386,353; Apr. 1.

CLASS 2

Bags, Open mesh. Fulton Bag and Cotton Mills. 386,310; Apr. 1; Serial No. 438,071; published Jan. 21, 1941.

Cups, Paper. Connecticut Paper Products, Inc. 386,239; Apr. 1; Serial No. 434,972; published Jan. 21, 1941.

Paper bags. Union Bag & Paper Corporation. 386,342; Apr. 1.

CLASS 3

Cases, Business card. R. O. H. Hill, Incorporated. 386,247; Apr. 1; Serial No. 435,760; published Jan. 21, 1941.

CLASS 4

Abrasive bearing-fitting compounds. United States Products Company. 141,258; renewed Apr. 12, 1941.

Cleaning and scouring preparation. Fitzpatrick Bros. 145,360; renewed August 2, 1941.

Cleaning compounds. Turco Products, Inc. 386,251; Apr. 1; Serial No. 436,488; published Jan. 21, 1941.

Leather softener. General Dyestuff Corporation. 386,224; Apr. 1; Serial No. 429,044; published Jan. 21, 1941.

Polishes, Shoe, boot, and other leather. Salomon & Phillips. 386,240; Apr. 1; Serial No. 435,031; published Jan. 21, 1941.

Soap. R. Hudnut. 144,583; renewed July 12, 1941.

CLASS 6

Arterial fluid. Harry E. Brewin & Sons, Inc. 386,321; Apr. 1; Serial No. 438,192; published Jan. 21, 1941.

Chemical compound. Dohe Chemical Corporation. 386,334; Apr. 1; Serial No. 438,533; published Jan. 21, 1941.

Chemical preparation. B. Heller & Company. 386,263; Apr. 1; Serial No. 436,931; published Jan. 21, 1941.

Chemical products. Warwick Chemical Company. 386,363; Apr. 1.

Chemicals. Muamza Color & Chemical Co. 386,331; Apr. 1; Serial No. 438,444; published Jan. 21, 1941.

Chemicals and chemical compounds, etc. Lyonset Limited. 386,231; Apr. 1; Serial No. 431,817; published Jan. 21, 1941.

Cream, face pack, face powder, etc., Face. L. Russell. 386,226; Apr. 1; Serial No. 430,362; published Jan. 21, 1941.

Cream, Skin. Y. Bolduc. 386,285; Apr. 1; Serial No. 437,641; published Jan. 21, 1941.

Creams, face powders, hand skin, etc., Face. Beauty Counselors, Inc. 386,217; Apr. 1; Serial No. 425,827; published Jan. 21, 1941.

Dyestuffs. General Dyestuff Corporation. 386,336; Apr. 1; Serial No. 438,569; published Jan. 21, 1941.

Germicidal, fungicidal, antiseptic and disinfectant compound, etc., Liquid. J. I. Mlanck. 386,212; Apr. 1; Serial No. 416,501; published Jan. 21, 1941.

Hair tonic, soapless shampoo, skin cream, etc. L. J. Awad. 386,221; Apr. 1; Serial No. 427,954; published Jan. 7, 1941.

Henna-leaves. S. B. Penick & Company, Inc. 139,863; renewed Feb. 22, 1941.

Liquid flushing compound. Stewart-Warner Corporation. 386,284; Apr. 1; Serial No. 437,634; published Jan. 21, 1941.

Liquid preparation. B. D'Agostino. 386,264; Apr. 1; Serial No. 436,961; published Jan. 21, 1941.

Liquid, Water soluble. B. F. Goodrich Company. 386,335; Apr. 1; Serial No. 438,541; published Jan. 21, 1941.

Liver concentrate preparation. Eli Lilly and Company. 386,288; Apr. 1; Serial No. 437,686; published Jan. 21, 1941.

Malt compound containing liver extract, yeast, and vitamins. Boyle & Company. 386,333; Apr. 1; Serial No. 438,527; published Jan. 21, 1941.

Manicuring preparation. Merem Co. 386,326; Apr. 1; Serial No. 438,347; published Jan. 21, 1941.

Medicine. Creomulsion Company. 144,186; renewed June 28, 1941.

Medicine. G. W. Crane. 138,790; renewed Jan. 11, 1941.

Medicinal tonic. Dr. Peter Fahrney & Sons Co. 144,568; renewed July 12, 1941.

Medicinal tonics. Coleman & Company. 141,521; renewed Apr. 26, 1941.

Nail-polish. H. T. Phillips. 139,869; Apr. 1.

Paste and aviation defrosting paste, Defrosting. Klifrost Manufacturing Company. 386,208; Apr. 1; Serial No. 400,309; published Jan. 21, 1941.

Perfumes, toilet water, cologne. Les Parfums de Dana, Inc. 386,316; Apr. 1; Serial No. 438,139; published Jan. 21, 1941.

Pills. Carter Medicine Company. 19,608–9; re-renewed June 2, 1941.

Pills. Carter Medicine Company. 19,729; re-renewed June 16, 1941.

Pomade, Hair. E. Karim. 386,279; Apr. 1; Serial No. 437,512; published Jan. 21, 1941.

Powder, bath powder, hand cream, etc., Bath oil face. H. P. Willats. 386,266; Apr. 1; Serial No. 437,020; published Jan. 21, 1941.

Powder, dusting powder, toilet water, etc., Face. Marie Earle, Inc. 386,339; Apr. 1; Serial No. 438,689; published Jan. 21, 1941.

Preparation for the treatment of athlete's foot, ring worm, pimples, etc. R. B. Smith. 386,209; Apr. 1; Serial No. 409,942; published Jan. 21, 1941.

Preparation for the treatment of athlete's foot. W. E. Ulrich. 386,225; Apr. 1; Serial No. 430,294; published Jan. 21, 1941.

Preparation of vitamin K. Endo Products, Inc. 386,328; Apr. 1; Serial No. 438,383; published Jan. 21, 1941.

Rust removing, rust preventing, and metal cleaning preparation. Rust-Foe Co. 386,254; Apr. 1; Serial No. 436,661; published Jan. 21, 1941.

Salts, Perfumed bath. Purepac Corporation. 386,289; Apr. 1; Serial No. 437,695; published Jan. 21, 1941.

Scent and water softener, Bath. Ben-Hur Products, Inc. 386,338; Apr. 1; Serial No. 438,642; published Jan. 21, 1941.

Shampoo preparation. T. L. Barnes. 386,364; Apr. 1.

Solder, for stopping leaks in automobile cooling systems; a compound to remove and prevent corrosion, rust and scale; etc., Liquid. Warner-Patterson Company. 386,337; Apr. 1; Serial No. 438,599; published Jan. 21, 1941.

Spray, Nursery. Earnshaw Knitting Company. 386,250; Apr. 1; Serial No. 436,206; published Jan. 21, 1941.

Toilet preparations. Paris Toilet Company. 143,130; Apr. 1.

Tonics. W. F. Severa Co. 140,433; renewed March 15, 1941.

Tooth-paste. Bristol-Myers Company. 143,560; renewed June 7, 1941.

Vitamin B complex preparation. W. J. Wardall. 386,332; Apr. 1; Serial No. 438,460; published Jan. 21, 1941.

Vitamin preparation. Abbott Laboratories. 386,330; Apr. 1; Serial No. 438,427; published Jan. 21, 1941.

CLASS 7

Rope and twine, Vegetable fibre. Whitlock Cordage Co. 386,366; Apr. 1.

Twine. Linen Thread Co. 386,286; Apr. 1; Serial No. 437,823; published Jan. 21, 1941.

CLASS 8

Pipes and filter bowls. B. Liebowitz. 386,278; Apr. 1; Serial No. 437,473; published Jan. 21, 1941.

Tobacco pouches, pipes, and cigar and cigarette holders. Rogers Imports, Inc. 386,280; Apr. 1; Serial No. 437,531; published Jan. 21, 1941.

CLASS 9

Match books. Arrow Match Corporation. 386,325; Apr. 1; Serial No. 438,297; published Jan. 21, 1941.

CLASS 11

Adding machine ribbons, carbon paper, duplicator ink, etc. Stationers' Guild of America. 386,329; Apr. 1; Serial No. 438,406; published Jan. 21, 1941.

Ink and red ink, Black. Citizens' Wholesale Supply Company. 145,061; renewed July 26, 1941.

Ink reducer, Lithographic. Indiana Chemical & Mfg. Co. 140,404; renewed Mar. 15, 1941.

Inks, Printing. Sigmund Ullman Co. 142,763; Apr. 1.

CLASS 12

Asphalt, Roofing. Shallow Water Refining Co. 386,213; Apr. 1; Serial No. 418,990; published May 14, 1940.

Bars, Steel. Connors Steel Company. 386,207; Apr. 1; Serial No. 397,183; published Jan. 21, 1941.

Boardtile-wall covering; also marble and wood finish boards. Gibbs Boardtile Corporation. 386,272; Apr. 1; Serial No. 437,246; published Jan. 21, 1941.

Concrete, Lightweight refractory. Denver Fire Clay Company. 386,236; Apr. 1; Serial No. 434,712; published Jan. 21, 1941.

Flooring, Rubber. Dunlop Tire and Rubber Corporation. 386,246; Apr. 1; Serial No. 435,751; published Jan. 21, 1941.

Insulating material, of expanded vermiculite, Heat, sound, and combustion. Masonite Corporation. 386,230; Apr. 1; Serial No. 431,661; published Jan. 21, 1941.

Poles, Treated cedar. National Pole and Treating Company. 386,256; Apr. 1; Serial No. 436,697; published Jan. 21, 1941.

Store front construction. Detroit Show Case Company. 386,262; Apr. 1; Serial No. 436,836; published Jan. 14, 1941.

Wool, Mineral. Chew-Bittel Co. 386,211; Apr. 1; Serial No. 415,107; published Jan. 14, 1941.

CLASS 13

Chain and chains and parts thereof and attachments therefor. Union Chain and Manufacturing Company. 386,232; Apr. 1; Serial No. 433,730; published Jan. 21, 1941.

Sprays, Massage shower-bath. Knickerbocker Mfg. Co. 140,618; renewed Mar. 22, 1941.

Window adjustors, window operators, swing light operators, etc., Storm. Wright Products Manufacturing Company. 386,345; Apr. 1.

CLASS 15

Grease for ball and roller bearings. Norma-Hoffmann Bearings Corporation. 386,295; Apr. 1; Serial No. 437,905; published Jan. 14, 1941.

Oil, Stove and heating. I. L. Schurman. 386,265; Apr. 1; Serial No. 437,017; published Jan. 21, 1941.

Oils and greases, Lubricating. L. Sonneborn Sons, Inc. 386,358; Apr. 1.

CLASS 16

Colors, colors in oil, ready-mixed paints, etc., Dry. Inter-State Oil Company. 142,280; renewed May 10, 1941.

Paints, colors in oil paint enamels, lacquers, etc. Glidden Company. 386,206; Apr. 1; Serial No. 389,682; published July 25, 1939.

CLASS 19

Airplanes and airplane structural parts. Luscombe Airplane Corporation. 386,357; Apr. 1.

Axle spindles, brake shoes, shock absorbers, etc. Colyear Motor Sales Company. 386,233; Apr. 1; Serial No. 434,104; published Jan. 21, 1941.

Wheel mountings for bicycles and other vehicles. Bassick Company. 386,348; Apr. 1.

CLASS 21

Electrical device. Brush Development Company. 386,308; Apr. 1; Serial No. 438,067; published Jan. 21, 1941.

Piezoelectric assembly of composite, laminar, or multiple construction, Unitary. Brush Development Company. 386,307; Apr. 1; Serial No. 438,066; published Jan. 21, 1941.

Timing devices. Eagle Signal Corporation. 386,322; Apr. 1; Serial No. 438,196; published Jan. 21, 1941.

CLASS 22

Game board. Art Productions Company. 386,327; Apr. 1; Serial No. 438,369; published Jan. 21, 1941.

Golf clubs. K. Smith. 386,360; Apr. 1.

CLASS 23

Axes, hatchets, machetes, etc. Kelly Axe Manufacturing Co. 140,855; renewed Mar. 29, 1941.

Bits, Diamond. J. K. Smit & Sons, Inc. 386,343; Apr. 1.

Cutlery and edge-tools. Southern & Richardson Limited. 142,144; renewed May 3, 1941.

Files and rasps. Nicholson File Company. 144,017; renewed June 21, 1941.

Files and rasps and holders and handles therefor. Nicholson File Company. 142,640; renewed May 17, 1941.

Sewing machines and attachments, and parts thereof. Singer Manufacturing Company. 20,065; re-renewed Aug. 18, 1941.

Tools, Machine. Eclipse Counterbore Company. 386,323; Apr. 1; Serial No. 438,197; published Jan. 21, 1941.

Tools and parts thereof. Billings & Spencer Company. 130,638; renewed May 4, 1940.

CLASS 25

Locks, keys, and parts thereof, etc. Fralm-Slaymaker Hardware Company. 142,782; renewed May 17, 1941.

CLASS 26

Lenses, lenses for goggles, and blanks for such lenses, Ophthalmic. American Optical Company. 386,320; Apr. 1; Serial No. 438,190; published Jan. 21, 1941.
Lenses, Photographic. B. Chadkin. 386,309; Apr. 1; Serial No. 438,069; published Jan. 21, 1941.
Thermostat heat-regulators for stoves, voltmeters, ammeters, etc. Western Electric Company. 142,173; renewed May 3, 1941.

CLASS 28

Flatware. Pillsbury Flour Mills Company. 386,270; Apr. 1; Serial No. 437,104; published Jan. 14, 1941.
Necklaces and bracelets, earrings, etc. Cohn & Rosenberger, Inc. 386,292; Apr. 1; Serial No. 437,811; published Jan. 21, 1941.

CLASS 29

Tooth brushes. McCrory Stores Corporation. 386,248; Apr. 1; Serial No. 436,058; published Jan. 21, 1941.

CLASS 32

Merchandising unit in form of a cabinet and sales counter. A. Bitter. 386,355; Apr. 1.

CLASS 34

Heaters, Gas water. Bastian-Morley Co. 138,573; renewed Jan. 4, 1941.
Heating, cooling, air conditioning units. Trane Company. 386,219; Apr. 1; Serial No. 426,175; published Jan. 21, 1941.
Stokers, Fuel. Standard Stoker Company. 386,312; Apr. 1; Serial No. 438,096; published Jan. 21, 1941.
Tanks and hot water and steam boilers, Pressure heating. Farrar & Trefts, Incorporated. 386,249; Apr. 1; Serial No. 436,170; published Jan. 21, 1941.
Ventilator unit, Room-. A. U. Campbell. 386,301; Apr. 1; Serial No. 437,990; published Jan. 21, 1941.

CLASS 35

Gaskets. Victor Manufacturing & Gasket Co. 386,344; Apr. 1.
Tire covers. Crawford Manufacturing Company Inc. 145,343; renewed Aug. 2, 1941.

CLASS 37

Cellulose wadding backed with kraft paper. Hoberg Paper Mills Inc. 386,365; Apr. 1.
Paper towels. Scott Paper Company. 386,354; Apr. 1.

CLASS 38

Almanac. M. M. Swan. 386,276; Apr. 1; Serial No. 437,458; published Jan. 21, 1941.
Articles published at intervals. Street & Smith Publications, Inc. 386,257; Apr. 1; Serial No. 436,737; published Jan. 14, 1941.
Articles published at intervals. Street & Smith Publications, Inc. 386,258; Apr. 1; Serial No. 436,739; published Jan. 14, 1941.
Articles published dealing with cosmetics. Street & Smith Publications, Inc. 386,259; Apr. 1; Serial No. 436,742; published Jan. 21, 1941.
Certificates, Merchandise. Wm. T. Knott Company. 386,218; Apr. 1; Serial No. 426,133; published Nov. 12, 1940.
Coupons, Identification. Shopshur, Inc. 386,281; Apr. 1; Serial No. 437,601; published Jan. 14, 1941.
Coupons, Books of. H. R. Macy & Co. 386,215; Apr. 1; Serial No. 425,153; published Jan. 21, 1941.
Directory. Showmen's Trade Review, Inc. 386,282; Apr. 1; Serial No. 437,602; published Jan. 21, 1941.
Magazine or periodical. Reader's Digest Association, Inc. 386,298; Apr. 1; Serial No. 437,968; published Jan. 21, 1941.
Magazines, Monthly. Harley-Davidson Motor Company. 140,395; renewed Mar. 15, 1941.
Newspaper. Happy Days Publishing Company. 386,273; Apr. 1; Serial No. 437,247; published Jan. 21, 1941.
Newspaper. H. Henry. 386,252; Apr. 1; Serial No. 436,512; published Jan. 21, 1941.
Newspaper section. San Francisco Shopping News Company. 386,350; Apr. 1.
Pamphlets, circulars, and books, Printed. Community Service (Incorporated). 145,548; renewed Aug. 9, 1941.
Periodical. Oregon Merchants Publishing Co. 386,362; Apr. 1.
Periodical. V. S. Warriner. 386,296; Apr. 1; Serial No. 437,929; published Jan. 14, 1941.
Photographs. Pix, Incorporated. 386,244; Apr. 1; Serial No. 435,668; published Jan. 21, 1941.
Plans and specifications for houses. Cooke Construction Company. 386,274; Apr. 1; Serial No. 437,405; published Jan. 21, 1941.
Publication and a national directory. Iota Tau Lambda. 386,237; Apr. 1; Serial No. 434,791; published Jan. 21, 1941.
Publication, Annual. M. Rosenberg. 386,361; Apr. 1.
Publication appearing annually. Fawcett Publications, Inc. 386,287; Apr. 1; Serial No. 437,648; published Jan. 14, 1941.
Publication issued monthly. Glass Industry Publishing Co. 142,269; renewed May 10, 1941.
Publication, Monthly. National Association of Credit Men. 144,613; renewed July 12, 1941.
Scripts. A. Mcqueen. 386,306; Apr. 1; Serial No. 438,047; published Jan. 14, 1941.

CLASS 39

Boots and shoes. Florsheim Shoe Company. 144,764; renewed July 19, 1941.
Boots, shoes, and slippers. Thomas G. Plant Company. 145,571–2; renewed Aug. 9, 1941.
Boots, slippers, suits, and pants, etc., Ski. F. J. Dormer. 386,303; Apr. 1; Serial No. 437,997; published Jan. 21, 1941.
Clothing, Outing. Cal Hirsch & Sons Mercantile Co. 142,587; renewed May 17, 1941.
Coats, suits, and jackets. Fierman-Kolmer Co. 386,319; Apr. 1; Serial No. 438,177; published Jan. 21, 1941.
Collars. Cluett, Peabody & Co. 386,227; Apr. 1; Serial No. 430,858; published Jan. 14, 1941.
Collars and negligee and dress shirts. Cluett, Peabody & Co. 386,340; Apr. 1; Serial No. 437,334; published June 11, 1940.
Dresses. Ely & Walker Dry Goods Company. 386,318; Apr. 1; Serial No. 438,175; published Jan. 21, 1941.
Dresses. Excellent Dresses, Inc. 386,369; Apr. 1.
Dresses. Lew L. Gluck, Inc. 386,293; Apr. 1; Serial No. 437,819; published Jan. 21, 1941.
Dresses. Morris & Company. 141,618; renewed Apr. 26, 1941.
Dresses, coats, suits, etc., Ladies. Eisenberg & Sons, Inc. 386,229; Apr. 1; Serial No. 431,447; published Jan. 21, 1941.
Garments, Outer. Goodall Worsted Company. 386,346; Apr. 1.
Hats and caps. John B. Stetson Company. 143,184; renewed May 24, 1941.
Hats and knitted suits, outer skirts, sweaters, etc. L. Bamberger & Co. 386,271; Apr. 1; Serial No. 437,191; published Jan. 21, 1941.
Soles, Shoe. R. R. Reeves. 386,243; Apr. 1; Serial No. 435,315; published Jan. 21, 1941.
Suits, jackets, overcoats, etc. Desmond's. 386,268; Apr. 1; Serial No. 437,029; published Jan. 14, 1941.
Suits, Outing. Cal Hirsch & Sons Mercantile Co. 143,646; renewed June 7, 1941.
Underwear. Topkis Brothers Company. 142,795; renewed May 17, 1941.
Underwear, Ladies'. Julius Kayser & Co. 386,245; Apr. 1; Serial No. 435,723; published Jan. 21, 1941.

CLASS 40

Flowers, Artificial. Swank Products, Inc. 386,261; Apr. 1; Serial No. 436,781; published Jan. 21, 1941.
Laces, Elastic shoe. Thomas Taylor & Sons, Inc. 386,255; Apr. 1; Serial No. 436,681; published Jan. 21, 1941.

CLASS 42

Comforters and blankets. Sears, Roebuck and Co. 386,311; Apr. 1; Serial No. 438,090; published Jan. 21, 1941.
Cotton duck. Mount Vernon-Woodberry Mills, Inc. 140,177–9; renewed Mar. 8, 1941.
Cotton, rayon, woolen, and linen fabrics. Sanco Piece Dye Works, Inc. 386,299; Apr. 1; Serial No. 437,974; published Jan. 21, 1941.
Fabric, Cotton. Hirsch-Werner, Inc. 386,356; Apr. 1.
Goods in the piece, Woolen. Worumbo Manufacturing Company. 144,090; renewed June 21, 1941.
Piece goods of cellulose derivatives. Celanese Corporation of America. 386,313–14–15; Apr. 1; Serial Nos. 438,118–20; published Jan. 21, 1941.
Piece goods. Celanese Corporation of America. 386,347; Apr. 1.
Piece goods. Pacific Mills. 386,317; Apr. 1; Serial No. 438,148; published Jan. 21, 1941.
Rayon, woolen, cotton, etc. fabrics. Worcester Knitting Company. 386,267; Apr. 1; Serial No. 437,021; published Jan. 21, 1941.
Silk, satin, rayon, etc. fabrics. Sorel Silks Corporation. 386,269; Apr. 1; Serial No. 437,049; published Jan. 21, 1941.

CLASS 43

Yarns. Celanese Corporation of America. 386,324; Apr. 1; Serial No. 438,265; published Jan. 21, 1941.
Yarns, Worsted. Worth Bros., Inc. 386,283; Apr. 1; Serial No. 437,636; published Jan. 21, 1941.

CLASS 45

Ginger-ale. Schoenhofen Company. 145,454; renewed Aug. 2, 1941.
Root-beer. Schoenhofen Company. 145,455; renewed Aug. 2, 1941.

CLASS 46

Apples. Germantown Cold Storage Company. 386,368; Apr. 1.

Bread, cakes, rolls, etc. Mrs. Karl's Bakeries, Inc. 386,341; Apr. 1.
Candy. Price Candy Company. 386,220; Apr. 1; Serial No. 426,783; published Jan. 21, 1941.
Canned dog food. Armour and Company. 386,291; Apr. 1; Serial No. 437,802; published Jan. 21, 1941.
Canned fish. Alianee Exportadora, Limitada. 386,290; Apr. 1; Serial No. 437,801; published Jan. 21, 1941.
Canned fish and preserved fish goods. J. Lissmann. 386,234; Apr. 1; Serial No. 434,449; published Jan. 21, 1941.
Canned foods for dogs, cats, foxes, etc. N. C. Coan. 386,302; Apr. 1; Serial No. 437,995; published Jan. 21, 1941.
Canned fruits and vegetables. Muirson Label Company. 386,260; Apr. 1; Serial No. 436,774; published Jan. 21, 1941.
Canned olives. Sylmar Packing Corporation. 386,238; Apr. 1; Serial No. 434,856; published Jan. 21, 1941.
Canned salmon. Great Atlantic & Pacific Tea Company. 386,297; Apr. 1; Serial No. 437,944; published Jan. 21, 1941.
Confection. C. A. Raymond. 386,216; Apr. 1; Serial No. 425,627; published Jan. 21, 1941.
Ducks. F. H. Rindge, III. 386,294; Apr. 1; Serial No. 437,882; published Jan. 21, 1941.
Feed for hogs. Sargent & Company. 386,349; Apr. 1.
Food starches. National Starch Products Inc. 386,241; Apr. 1; Serial No. 435,093; published Jan. 21, 1941.
Food supplement for dogs and cats, Animal. R. P. Klein. 386,253; Apr. 1; Serial No. 436,572; published Jan. 21, 1941.
Fruits, Citrus. Edison Orange Growers Association. 386,235; Apr. 1; Serial No. 434,487; published Jan. 21, 1941.
Fruits, Dried. Rosenberg Bros. & Co. 386,352; Apr. 1.
Fruits, Fresh citrus. Whittier Citrus Association. 145,489; renewed Aug. 2, 1941.
Marshmallow crême and egg-powder compound. Citizens' Wholesale Supply Company. 143,571; renewed June 7, 1941.
Nut-candy. William Prentiss Jr. Company. 140,938; renewed Mar. 29, 1941.
Oats, wheat-hearts, wheat-flakes, etc. Quaker Oats Company. 143,143; renewed May 24, 1941.
Oleomargarin. Beatrice Creamery Company. 145,320; renewed Aug. 2, 1941.
Onions, Dehydrated. Traficanti Brothers. 386,300; Apr. 1; Serial No. 437,978; published Jan. 21, 1941.
Packing-house products. Valley Packing Company. 144,645; renewed July 12, 1941.
Peanut butter. Golden West Products Co. Inc. 386,242; Apr. 1; Serial No. 435,290; published Oct. 29, 1940.
Peanut butter. Sessions Company. 386,351; Apr. 1.
Puddings and pie-fillings. C. T. Whittier. 145,488; renewed Aug. 2, 1941.
Salad dressing, sandwich spread, mayonnaise, etc. Beatrice Creamery Company. 386,214; Apr. 1; Serial No. 424,115; published Jan. 21, 1941.
Syrup, Chocolate flavored. United Drug Company. 386,275; Apr. 1; Serial No. 437,424; published Jan. 21, 1941.
Tomato juice, salmon, tomatoes, etc. Collins-Dietz-Morris Company. 386,228; Apr. 1; Serial No. 431,105; published Jan. 21, 1941.

CLASS 47

Wine. Hudson Valley Wine Company. 386,304; Apr. 1; Serial No. 438,009; published Jan. 21, 1941.
Wines. East-Side Winery. 386,359; Apr. 1.

CLASS 48

Beer, ale, and other malt beverages. Latrobe Brewing Company. 386,222–3; Apr. 1; Serial Nos. 428,361–2; published Mar. 26, 1940.

CLASS 49

Rum, whiskey, gin, etc. J. & J. Distributing Company. 386,305; Apr. 1; Serial No. 438,010; published Jan. 21, 1941.
Whiskey. Buffalo Springs Distilling Company. 386,277; Apr. 1; Serial No. 437,463; published Jan. 21, 1941.
Whiskey. Cave Springs Distillery Corporation. 386,210; Apr. 1; Serial No. 414,248; published Mar. 7, 1939.

CLASS 50

Floral sticks. Berst-Forster-Dixfield Company. 386,367; Apr. 1.
Leather, Artificial. Sanford Mills. 144,918; renewed July 19, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bulldog Electric Products Company. (See Thomson, Alfred J., assignor.)
Davidson, Isaac F., Salem, Oreg. Steering device for power propelled vehicles. Re. 21,756; Apr. 1.
Deakers, Thorpe W., and L. A. Schmucker, deceased (by Marguerite Schmucker, administratrix). Los Angeles, Calif. Cosmetic device. Re. 21,757; Apr. 1.
Foisy, George A., New Haven, assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. Re. 21,758; Apr. 1.
General Electric Company. (See Lord, Harold W., assignor.)
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. Re. 21,759; Apr. 1.
Schmucker, Lloyd A. (See Deakers, T. W., and Schmucker.)
Schmucker, Marguerite, executrix. (See Deakers, T. W., and Schmucker.)
Thomson, Alfred J., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. Re. 21,760; Apr. 1.
Waterbury Tool Company, The. (See Foisy, George A., assignor.)

LIST OF DESIGN PATENTEES

Ager, Marcelle, New York, N. Y. Dress ensemble. 126,290; Apr. 1.
Ager, Marcelle, New York, N. Y. Dress. 126,328; Apr. 1.
Ampro Corporation. (See Shapiro, Abraham, assignor.)
Anderson, George R., Cleveland, Ohio. Button or similar article. 126,182; Apr. 1.
Andrée, Gilberte, New York, N. Y. Dress. 126,230; Apr. 1.
Andrée, Gilberte, New York, N. Y. Dress. 126,231; Apr. 1.
Andreé, Gilberte, New York, N. Y. Dress. 126,232; Apr. 1.
Anesi, Umberto, Chicago, Ill. Rotary machine tool. 126,229; Apr. 1.
Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Lighting panel. 126,218; Apr. 1.
Arrowhead and Puritas Waters Inc. (See Stone, L. L., Mooney, McFarlane, and McNiven, assignors.)
Barbiers, Ferdinand S., Lancaster, Ohio. Bottle or similar article. 126,234; Apr. 1.
Bartsch, Albert, Chicago, Ill. Serving dish. 126,233; Apr. 1.
Baum, Betty, Chicago, Ill. Dress ensemble. 126,291; Apr. 1.
Belspel, Herman, New York, N. Y. Dress or similar article. 126,262; Apr. 1.
Berin, Augusta, New York, N. Y. Dress. 126,329; Apr. 1.
Berman, Harry, Brooklyn, N. Y. Dress. 126,292; Apr. 1.
Bieber, Sam, New York, N. Y. Dress. 126,274; Apr. 1.
Black, Eugene, New York, N. Y. Bed-cover or similar article. 126,284; Apr. 1.
Briman, Morris, New York, N. Y. Dress. 126,293; Apr. 1.
Brogan, Frank C., Larchmont, N. Y. Dress ensemble. 126,275; Apr. 1.
Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Indicating instrument. 126,193; Apr. 1.
Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Indicating instrument. 126,219; Apr. 1.
Brucato, Marie, New York, N. Y. Dress. 126,276; Apr. 1.
Brucato, Marie, New York, N. Y. Dress ensemble. 126,277; Apr. 1.
Budlong, Robert D., assignor to Zenith Radio Corporation, Chicago, Ill. Radio casing. 126,235; Apr. 1.
Burke, Sara R., Staten Island, N. Y. Brooch or similar article. 126,194; Apr. 1.
Cadous, Esther, New York, N. Y. Pantie. 126,263; Apr. 1.
Calisch, Charles L., Chicago, Ill. Dress. 126,294; Apr. 1.
Carbotti, Marie, New York, N. Y. Dress. 126,330; Apr. 1.
Carbotti, Marie, New York, N. Y. Dress. 126,331; Apr. 1.
Carbotti, Marie, New York, N. Y. Dress. 126,332; Apr. 1.
Carbotti, Marie, New York, N. Y. Dress. 126,333; Apr. 1.
Charles, Camille, New York, N. Y. Dress. 126,278; Apr. 1.
Charles, Camille, New York, N. Y. Dress. 126,295; Apr. 1.
Claire, Beni, New York, N. Y. Dress ensemble. 126,314; Apr. 1.
Claire, Beni, New York, N. Y. Dress ensemble. 126,334; Apr. 1.
Claire, Beni, New York, N. Y. Dress ensemble. 126,335; Apr. 1.
Cohen, Morris, assignor to Interstate Bakeries Corporation, Kansas City, Mo. Conveyer. 126,195; Apr. 1.
Cohn Hall Marx Co. (See Morris, Julia, assignor.)
Cox, David, New York, N. Y. Dress. 126,315; Apr. 1.
Croizat, Madeleine, New York, N. Y. Dress ensemble. 126,236; Apr. 1.
Croizat, Madeleine, New York, N. Y. Dress ensemble. 126,296; Apr. 1.
Croizat, Madeleine, New York, N. Y. Dress. 126,336; Apr. 1.
Croizat, Madeleine, New York, N. Y. Dress ensemble. 126,337; Apr. 1.
Crowley, Daniel J., Grosse Pointe, and E. W. Dulmage, assignors, by mesne assignments, to said D. J. Crowley, Detroit, Mich. Combined lamp and radio receiving set. 126,196; Apr. 1.
Cummings, Israel, New York, N. Y. Textile fabric. 126,197; Apr. 1.
Cummings, Israel, New York, N. Y. Textile fabric. 126,198; Apr. 1.
Curran, Francis J., Oak Park, Ill. Coaster. 126,183; Apr. 1.
Cushing, George. (See Johnson, G., Cushing, and Nevell.)
Cutler, Elizabeth, New York, N. Y. Dress. 126,338; Apr. 1.
Cutler, Elizabeth, New York, N. Y. Dress. 126,339; Apr. 1.
Cutler, Elizabeth, New York, N. Y. Dress. 126,340; Apr. 1.
Cutler, Elizabeth, New York, N. Y. Dress. 126,341; Apr. 1.
Daniels, Ralph E., Miami, Fla., assignor to Swank, Inc. Key chain or similar article. 126,199; Apr. 1.
De Maria, Frances, New York, N. Y. Dress. 126,342; Apr. 1.
Doctor, Isidor, Chicago, Ill. Dress ensemble. 126,316; Apr. 1.
Dorian, Miguel, New York, N. Y. Dress. 126,317; Apr. 1.
Dulmage, Earl W. (See Crowley, D. J., and Dulmage.)
Du Pont, E. I., de Nemours & Company. (See Kahn, Julius, assignor.)
Eisenberg, Leonard, New York, N. Y. Can top. 126,200; Apr. 1.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 126,201; Apr. 1.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 126,202; Apr. 1.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 126,203; Apr. 1.
Exhibit Supply Company. (See Meyer, John F., assignor.)
Fields, Minna, New York, N. Y. Dress. 126,318; Apr. 1.
Fracchia, Pauline, New York, N. Y. Dress. 126,237; Apr. 1.
Fracchia, Pauline, New York, N. Y. Dress. 126,264; Apr. 1.
Fracchia, Pauline, New York, N. Y. Dress ensemble. 126,297; Apr. 1.
Fracchia, Pauline, New York, N. Y. Dress ensemble. 126,343; Apr. 1.
Fracchia, Pauline, New York, N. Y. Dress. 126,344; Apr. 1.
Franklin Tile Company. (See Schweiker, Roy W., assignor.)

Freeman, Edna, New York, N. Y. Dress. 126,238; Apr. 1.
Gebhart, Lee, Coral Gables, Fla., and H. L. Ross, New York, N. Y. Syphon head. 126,184; Apr. 1.
Gebhart, Lee, Coral Gables, Fla., and H. L. Ross, New York, N. Y. Syphon head. 126,185; Apr. 1.
Gebhart, Lee, Coral Gables, Fla., and H. L. Ross, New York, N. Y. Syphon head. 126,186; Apr. 1.
Gebhart, Lee, Coral Gables, Fla., and H. L. Ross, New York, N. Y. Syphon head. 126,187; Apr. 1.
Gebhart, Lee, Coral Gables, Fla., and H. L. Ross, New York, N. Y. Syphon head. 126,188; Apr. 1.
Gebhart, Lee, Coral Gables, Fla., and H. L. Ross, New York, N. Y. Syphon head. 126,265; Apr. 1.
Geist, Irving, New York, N. Y. Blouse. 126,319; Apr. 1.
Globe-Wernicke Company, The. (See Johnson, G., Cushing, and Nevell, assignors.)
Gold, Evelyn, New York, N. Y. Dress. 126,239; Apr. 1.
Goldsmith, Samuel R., New York, N. Y. Combination handbag and mirror container. 126,220; Apr. 1.
Grossman, Edward, New York, N. Y. Coat. 126,240; Apr. 1.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Lamp or similar article. 126,204; Apr. 1.
Gustafson, Lewis H., and G. S. Swift, assignors to Prophy-lac-tic Brush Company, Northampton, Mass. Hair brush. 126,205; Apr. 1.
Harris, Herbert M., New York, N. Y. Dress and slip ensemble. 126,345; Apr. 1.
Harris, Herbert M., New York, N. Y. Dress. 126,346; Apr. 1.
Havlis, Adolph J., Oak Park, assignor to Keystone Metal Products Co., Chicago, Ill. Frame for a tumbler rack. 126,266; Apr. 1.
Holophane Company. (See Rolph, Thomas W., assignor.)
Hollywood Rogue Sportswear, Inc. (See Swan, Elsie, assignor.)
Hoshaftan, Lucy, Forest Hills, N. Y. Dress. 126,320; Apr. 1.
Hutcheson, John E., Hempstead, N. Y. Fish dart. 126,221; Apr. 1.
Hutcheson, John E., Hempstead, N. Y. Fish dart. 126,222; Apr. 1.
Ille, Floyd W., New York, N. Y. Therapy tank. 126,223; Apr. 1.
Interstate Bakeries Corporation. (See Cohen, Morris, assignor.)
Israel, Philip, New York, N. Y. Dress. 126,241; Apr. 1.
Jacobson, Seymour, New York, N. Y. Dress. 126,321; Apr. 1.
Joel, Louis, New York, N. Y. Dress. 126,347; Apr. 1.
Johnson, Gerald, G. Cushing, and T. G. W. Nevell, New York, N. Y., assignors to The Globe-Wernicke Company, Cincinnati, Ohio. Bookcase. 126,206; Apr. 1.
Johnson, Gerald, G. Cushing, and T. G. W. Nevell, New York, N. Y., assignors to The Globe-Wernicke Company, Cincinnati, Ohio. Bookcase. 126,207; Apr. 1.
Johnson, Gerald, G. Cushing, and T. G. W. Nevell, New York, N. Y., assignors to The Globe-Wernicke Company, Cincinnati, Ohio. Bookcase. 126,208; Apr. 1.
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Comb or similar article. 126,242; Apr. 1.
Karstadt, Clarence, Glen Ellyn, assignor to Sears, Roebuck and Co., Chicago, Ill. Water heater. 126,224; Apr. 1.
Katz, Louis, New York, N. Y. Dress. 126,298; Apr. 1.
Kaufmann, Berthold, Great Neck, N. Y. Wrapping paper or the like. 126,180; Apr. 1.
Kennard, Fred C., Cleveland Heights, Ohio. Support for reading glass. 126,243; Apr. 1.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Keystone Metal Products Co. (See Havlis, Adolph J., assignor.)
Lampert, Harry, Los Angeles, Calif. Electric razor. 126,244; Apr. 1.
Lautersteln, Tiana, New York, N. Y. Dress. 126,267; Apr. 1.
Leibowitz, Charles, New York, N. Y. Coat. 126,268; Apr. 1.
Lundy, William J., assignor to Olean Glass Company, Olean, N. Y. Bottle. 126,209; Apr. 1.
Lynn, Max, New York, N. Y. Dress ensemble. 126,299; Apr. 1.
Marchesa, Jane, Flushing, N. Y. Dress. 126,322; Apr. 1.
Marve, Murray, New York, N. Y. Dress. 126,300; Apr. 1.
Marve, Murray, New York, N. Y. Dress ensemble. 126,301; Apr. 1.
Mayers, Josephine F., New York, N. Y. Shopping bag or similar article. 126,348; Apr. 1.
McFarlane, Francis W. (See Stone, L. L., Mooney, McFarlane, and McNiven.)
McNiven, John G. (See Stone, L. L., Mooney, McFarlane, and McNiven.)
Meyer, John F., assignor to Exhibit Supply Company, Chicago, Ill. Cabinet for an amusement apparatus. 126,225; Apr. 1.
Moonan, Reginald L., New York, N. Y. Brooch or similar article. 126,245; Apr. 1.
Mooney, Russell A. (See Stone, L. L., Mooney, McFarlane, and McNiven.)
Morris, Harry, Chicago, Ill. Purse. 126,349; Apr. 1.
Morris, Julia, assignor to Cohn Hall Marx Co., New York, N. Y. Textile fabric or similar article. 126,285; Apr. 1.
Muhl, Agnes, Waco, Tex. Flower holder. 126,210; Apr. 1.
Nadel, Ottilie C., New York, N. Y. Dress. 126,323; Apr. 1.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 126,304; Apr. 1.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 126,303; Apr. 1.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 126,302; Apr. 1.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 126,324; Apr. 1.
National Silver Company. (See Schulgasser, Milton, assignor.)
Nevell, Thomas G. W. (See Johnson, G., Cushing, and Nevell.)
Olean Glass Company. (See Lundy, William J., assignor.)
Owens, Clarence J., Washington, D. C. Flag, or the like. 126,269; Apr. 1.
Panzer, William C., assignor to Russakov Can Company, Chicago, Ill. Kitchen stool or the like. 126,270; Apr. 1.
Patent License Corporation. (See Arenberg, Albert L., assignor.)
Phillippe, Alfred, New York, N. Y. Bracelet. 126,271; Apr. 1.
Phillippe, Alfred, New York, N. Y. Pin clip. 126,246; Apr. 1.
Phillippe, Alfred, New York, N. Y. Pin clip. 126,247; Apr. 1.
Phillippe, Alfred, New York, N. Y. Brooch or similar article. 126,248; Apr. 1.
Pichel Inc. (See Pichel, Irving, assignor.)
Pichel, Irving, assignor to Pichel Inc., New York, N. Y. Handbag or similar article. 126,249; Apr. 1.
Price, David William, New York, N. Y. Dress. 126,250; Apr. 1.
Pro phy lac tic Brush Company. (See Gustafson, L. H., and Swift, assignors.)
Recht, Bessie, St. Louis, Mo. Dress ensemble. 126,279; Apr. 1.
Recht, Bessie, St. Louis, Mo. Dress ensemble. 126,280; Apr. 1.
Recht, Bessie, St. Louis, Mo. Dress. 126,281; Apr. 1.
Recht, Bessie, St. Louis, Mo. Dress. 126,282; Apr. 1.
Recht, Bessie, St. Louis, Mo. Dress. 126,305; Apr. 1.
Recht, Bessie, St. Louis, Mo. Dress. 126,306; Apr. 1.
Recht, Bessie, St. Louis, Mo. Dress. 126,325; Apr. 1.
Richards, Julia, Brooklyn, N. Y. Dress ensemble. 126,283; Apr. 1.
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lighting fixture. 126,211; Apr. 1.
Rosenbaum, Harry, Denver, Colo. Necktie. 126,251; Apr. 1.
Rosenberg, Joseph, New York, N. Y. Dress. 126,307; Apr. 1.
Rosenblum, Benjamin W., New York, N. Y. Textile fabric. 126,286; Apr. 1.
Rosenblum, Benjamin W., New York, N. Y. Textile fabric. 126,287; Apr. 1.
Rosenblum, Benjamin W., New York, N. Y. Textile fabric. 126,288; Apr. 1.
Rosenstein, Nettie, New York, N. Y. Dress ensemble. 126,326; Apr. 1.
Ross, Howard L. (See Gebhart, L., and Ross.)
Rost, Katheryn, New York, N. Y. Dress. 126,252; Apr. 1.
Roth, Andrew W., New York, N. Y. Textile fabric. 126,190; Apr. 1.
Ruchman, Albert, New York, N. Y. Dress. 126,350; Apr. 1.
Russakov Can Company. (See Panzer, William C., assignor.)
Sears, Roebuck and Co. (See Karstadt, Clarence, assignor.)
Schulgasser, Milton, assignor, by mesne assignments, to National Silver Company, New York, N. Y. Spoon or similar article. 126,212; Apr. 1.
Schweiker, Roy W., assignor to Franklin Tile Company, Lansdale, Pa. Tile. 126,191; Apr. 1.
Schylander, John F., Chicago, Ill. Liquid sprayer. 126,213; Apr. 1.
Shander, Benjamin, Philadelphia, Pa. Blouse. 126,272; Apr. 1.
Shapiro, Abraham, assignor to Ampro Corporation, Chicago, Ill. Cabinet for continuous motion picture projector. 126,214; Apr. 1.
Shapiro, Murray J., New York, N. Y. Dress. 126,308; Apr. 1.
Shapiro, Murray J., New York, N. Y. Dress. 126,309; Apr. 1.
Shapiro, Murray J., New York, N. Y. Dress. 126,351; Apr. 1.
Siersma, Albert P., Chicago, Ill., assignor to Snap-On Tools Corporation, Kenosha, Wis. Tool cabinet. 126,215; Apr. 1.
Smiley, John B., New York, N. Y. Combination screw driver, cap and lid remover. 126,253; Apr. 1.
Snap-On Tools Corporation. (See Siersma, Albert P., assignor.)
Sobel, David, New York, N. Y. Knitted fabric. 126,254; Apr. 1.
Sobel, David, New York, N. Y. Knitted fabric. 126,255; Apr. 1.
Sobel, David, New York, N. Y. Knitted fabric. 126,256; Apr. 1.

Sobel, David, New York, N. Y. Knitted fabric. 126,257; Apr. 1.
Stahl, Harold H., New York, N. Y. Dress. 126,352; Apr. 1.
Stahl, Harold H., New York, N. Y. Dress ensemble. 126,353; Apr. 1.
Steiner, Joseph C., Chicago, Ill. Laundry tub. 126,226; Apr. 1.
Stone, Lawrence L., and R. A. Mooney, Glendale, F. W. McFarlane, Maywood, and J. G. McNiven, Los Angeles, assignors to Arrowhead and Puritas Waters Inc., Los Angeles, Calif. Casing for a water cooler. 126,192; Apr. 1.
Swan, Elsie, assignor to Hollywood Rogue Sportswear, Inc., Los Angeles, Calif. Shirt or similar article. 126,273; Apr. 1.
Swank, Inc. (See Daniels, Ralph E., assignor.)
Swift, Gordon S. (See Gustafson, L. H., and Swift.)
Szerlip, Irving, New York, N. Y. Dress. 126,310; Apr. 1.
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Toplitz, Max, New York, N. Y. Textile fabric. 126,289; Apr. 1.
Turoff, William J., New York, N. Y. Dress. 126,327; Apr. 1.
Villeneuve, Ernest A., Woonsocket, R. I. Game board. 126,227; Apr. 1.
Walker, Jane, Jamaica, N. Y. Dress. 126,311; Apr. 1.
Walker, Jane, Jamaica, N. Y. Dress. 126,312; Apr. 1.
Walker, Jane, Jamaica, N. Y. Dress ensemble. 126,313; Apr. 1.
Walker, Jane, Jamaica, N. Y. Dress ensmble. 126,354; Apr. 1.
Weill, Winifred, New York, N. Y. Dress ensemble. 126,258; Apr. 1.
Weill, Winifred, New York, N. Y. Dress ensemble. 126,259; Apr. 1.
Weissman, Allen C., New York, N. Y. Mattress cover or similar article. 126,216; Apr. 1.
White, Bernard B., New York, N. Y. Handbag or similar article. 126,217; Apr. 1.
Wolff, Malvina, New York, N. Y. Dress. 126,355; Apr. 1.
Young, Leonard A., Detroit, Mich. Rack, for a refrigerator, oven or the like. 126,228; Apr. 1.
Zanft, Hattie C., Red Bank, N. J. Dress. 126,260; Apr. 1.
Zenith Radio Corporation. (See Budlong, Robert D., assignor.)
Zimmerman, Samuel, New York, N. Y. Coat. 126,261; Apr. 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1st DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Pierrepont. (See Swain, R. C., and Adams.)
Abate, Nicholas J., assignor of forty per cent to A. Stark, Baltimore, Md. Bowling alley scoreboard. 2,237,208; Apr. 1.
Abernathy, James E., Jr. (See Young, J. A., and Abernathy.)
Adams, Arthur H., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Type wheel teletypewriter. 2,236,663; Apr. 1.
Adams, William H., Fayetteville, Ark. Block keyboard for musical instruction. 2,236,638; Apr. 1.
Addressograph-Multigraph Corporation. (See Thurmann, August, assignor.)
Ahlburg, Frank, and D. H. Bradley, assignors to American Fruit Growers, Incorporated, Los Angeles, Calif. Fruit marking machine. 2,236,740; Apr. 1.
Air Reduction Company. (See Anderson, James L., assignor.)
Aktiebolaget Result. (See Hanson, Roy E. H., assignor.)
Aktiengesellschaft Dynamit Nobel. (See Müller, W. J., and Niessner, assignors.)
Albers, John R., assignor to Wincharger Corporation, Sioux City, Iowa. Streamline housing and vane support for wind driven electric units. 2,236,510; Apr. 1.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric motor control system. 2,236,984; Apr. 1.
Allbright-Nell Co., The. (See Ozouf, Arthur E., assignor.)
Allegheny Ludlum Steel Corporation. (See Scharschu, Charles A., assignor.)
Allen, C. T. (See Parker, Louis W., assignor.)
Allis-Chalmers Manufacturing Company. (See Haller, T. A., and Miner, assignors.)
Allyn, Newell O., Los Angeles, Calif. Engine. 2,236,741; Apr. 1.
Allyn, Newell O., Los Angeles, Calif. Diesel engine. 2,236,742; Apr. 1.
Allyn, William G., Auburn, assignor to W. N. Allyn, Skaneateles, N. Y. Endoscopic instrument. 2,236,842; Apr. 1.
Allyn, William N. (See Allyn, William G., assignor.)
Alrose Chemical Company. (See Weisberg, M., and Slachman, assignors.)
Alves, Eugene G., Pittsburg, Calif. Plow. 2,236,558; Apr. 1.
American Bowling and Billiard Corporation. (See Bancroft, James E., assignor.)
American Cyanamid Company. (See Barnes, R. B., Moore, and Ham, assignors.)
American Cyanamid Company. (See Swain, R. C., and Adams, assignors.)
American Forging & Socket Company, The. (See Oberhoffken, Alexander, assignor.)
American Forging & Socket Company. (See Saunders, Walter S., assignor.)
American Fruit Growers, Incorporated. (See Ahlburg, F., and Bradley, assignors.)
American Heat Reclaiming Corporation. (See Rosenblad, Curt F., assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Machine and Metals, Inc. (See Chayle, Oliver J., assignor.)
American Optical Company. (See Cozzens, Charles O., assignor.)
American Rolling Mill Company, The. (See Carpenter, Victor W., assignor.)
American Shearer Mfg. Co. (See Priest, Joseph K., assignor.)
American Steel and Wire Company of New Jersey, The. (See Hillix, Foster F., assignor.)
Amstutz, Forrest C. (See Strosacker, C. J., and Amstutz.)
Andersen, Andrew C., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door lock. 2,236,702; Apr. 1.
Anderson, Gustaf W., North Quincy, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Envelope machine. 2,237,067; Apr. 1.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for scarfing the sides of metal bodies. 2,236,743; Apr. 1.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper handling mechanism for accounting machines. 2,236,588; Apr. 1.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Carbon paper support for accounting machines. 2,236,589; Apr. 1.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Liquid fuel control means. 2,236,559; Apr. 1.
Andrews, Admiral L., Shawnee, Okla. Belt. 2,237,022; Apr. 1.
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Arentsen, Gerrit J., Diemerbrug, Netherlands. Apparatus for continuously manufacturing corrugated construction boards. 2,236,932; Apr. 1.
Armbruster, Max, Wiesbaden-Biebrich, Germany. Apparatus for purifying liquid lubricants. 2,236,769; Apr. 1.
Armington, George E., South Euclid, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Power wind for dump vehicles. 2,237,128; Apr. 1.
Armour and Company. (See Fischer, Norman C., assignor.)
Armour and Company. (See Littlefield, V. D., and Fischer, assignors.)
Arneson, Lawrence E., Morris, assignor to Morris Paper Mills, Chicago, Ill. Carton and manufacture. 2,236,664; Apr. 1.
Arnold, Paul F., Berryville, Ark. Washing machine. 2,237,209; Apr. 1.
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Submergible deep well pump. 2,236,887; Apr. 1.
Aske, Leonard E., assignor to McGraw Electric Company, Elgin, Ill. Waffle baker. 2,237,094; Apr. 1.
Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Liquid dispensing device. 2,237,246; Apr. 1.
Associated Electric Laboratories, Inc. (See Hershey, Harry E., assignor.)
Associated Telephone & Telegraph Company. (See Taylor, R., and Baker, assignors.)
Ast, Heinrich. (See Musil, J., and Ast.)
Astley, William F., Cicero, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Making insulating yarns or rovings. 2,237,267; Apr. 1.
Atlas Steel Barrel Corporation. (See Proctor, John R., assignor.)
Atwell, Charles F., Indianapolis, Ind. Chiropractic portable folding table. 2,236,770; Apr. 1.
Auel, Carl C., Irwin, Pa. Draft gear. 2,237,171; Apr. 1.
Axe, Roy T. (See Edwards, H., and Axe.)
Ayotte, Joseph R., Chicago, Ill. Dispensing device. 2,236,786; Apr. 1.
Babcock, Dale F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of acetylene from mixtures. 2,236,964; Apr. 1.
Babcock, Dale F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and apparatus. 2,236,965; Apr. 1.
Babcock, Dale F., C. H. Greenewalt, and H. Worthington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,236,963; Apr. 1.
Backoff, William J., N. D. Williams, J. F. O'Loughlin, H. L. Moir, and J. S. Yule, assignors to The Pure Oil Company, Chicago, Ill. Material for improved engine operation. 2,236,590; Apr. 1.
Baier, Frank. (See Kenney, C. D., Driscoll, and Baier.)
Bailey, Frank T. (See Bailey, James H. and F. T.)
Bailey, James H., New Canaan, Conn., and F. T., Montclair, N. J. Directional register. 2,236,865; Apr. 1.
Baird, Donald A. (See Shurts, W. F., and Baird.)
Baker, George T. (See Taylor, R., and Baker.)
Baldwin, Richard E., Thornton Heath, assignor to Powers Accounting Machines Limited, London, England. Record controlled typewriting mechanism. 2,237,208; Apr. 1.
Balthis, Joseph H., Jr., and G. B. Taylor, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of acetylene from gas mixtures. 2,236,966; Apr. 1.
Bancroft, James E., Jamaica, assignor to American Bowling and Billiard Corporation, New York, N. Y. Ball check for bowling alleys. 2,236,560; Apr. 1.
Barla, William P. (See Scott, J. J., and Barla.)
Barnes, Robert B., and L. P. Moore, Stamford, and G. P. Ham, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Blueprint coating. 2,237,084; Apr. 1.
Barrett, Arthur E., Columbus, Ohio. Envelope. 2,237,085; Apr. 1.
Barrett, Arthur M., Winnetka, assignor to The Barrett Bindery Co., Chicago, Ill. Display binder. 2,236,591; Apr. 1.
Barrett Bindery Co., The. (See Barrett, Arthur M., assignor.)

Bartelink, Everhard H. B., Schenectady, N. Y., assignor to General Electric Company. Oscillator. 2,236,985; Apr. 1.
Bechtold, Ira C., Colton, assignor to California Portland Cement Company, Los Angeles, Calif. Cementing wells. 2,236,987; Apr. 1.
Bechtold, Ira C., and J. E. McKinney, Colton, assignors to California Portland Cement Company, Los Angeles, Calif. Cellular concrete. 2,236,988; Apr. 1.
Beck, John A., Jr., assignor to Pennsylvania Refining Company, Karns City, Pa. Treating crude mahogany sulphonates. 2,236,933; Apr. 1.
Beck, Morris B., Lawrence, N. Y. Lighting fixture. 2,236,561; Apr. 1.
Becker, Fred A., New York, N. Y. Supporting device for neon tubes. 2,237,211; Apr. 1.
Beeman, Lyle, and H. J. Kroll, assignors, by mesne assignments, to J. W. Speaker Corporation, Milwaukee, Wis. Radiator shield. 2,236,986; Apr. 1.
Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Selective fading control system. 2,236,497; Apr. 1.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Hydraulic actuating mechanism for stokers. 2,236,665; Apr. 1.
Beggs, Alan H., Montclair, assignor to The Palnut Company, Inc., Irvington, N. J. Condenser clamp. 2,236,496; Apr. 1.
Behr, Gustave E., assignor to National Lead Company, New York, N. Y. Method for purifying tinny leads and lead-tin alloys. 2,237,129; Apr. 1.
Bell Telephone Laboratories, Incorporated. (See Cesareo, O., and Rippere, assignors.)
Bell Telephone Laboratories, Incorporated. (See Chaffee, Joseph G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Curtis, A. M., and Melhose, assignors.)
Bell Telephone Laboratories, Incorporated. (See Depp, Wallace A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Edson, Robert C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hagemann, Edwin C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hoyt, F. A., and Shann, assignors.)
Bell Telephone Laboratories, Incorporated. (See King, Douglas H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Locke, G. A., and Kinkead, assignors.)
Bell Telephone Laboratories, Incorporated. (See Mathes, Robert C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Penick, Dixon B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Shower, Edmund G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilson, Ira G., assignor.)
Bendix Aviation Corporation. (See MacBlane, James, assignor.)
Bendix Aviation Corporation. (See Mills, James M., assignor.)
Bendix Aviation Corporation. (See Riggen, Theodore K., assignor.)
Bendix Products Corporation. (See Price, Harold W., assignor.)
Benedek, Elek K., Bucyrus, Ohio. Fluid pressure power pump or motor. 2,236,666; Apr. 1.
Benedict, John W., Battle Creek, Mich. Sifter. 2,236,934; Apr. 1.
Benninghofen, Paul, et al., trustee. (See Diesbach, Frederick B., assignor.)
Benson, Carl W., Altadena, Calif. Refrigerator receptacle. 2,236,806; Apr. 1.
Berlin, David W., Rasunda, Sweden. Automatically variable change speed gear device. 2,236,639; Apr. 1.
Berry, Albert G., Jr., Coronado, Calif. Combined shoe tree and shoehorn. 2,236,703; Apr. 1.
Bethlehem Steel Company. (See Herty, Charles H., Jr., assignor.)
Bethlehem Steel Company. (See Schenck, Charles, assignor.)
Better, Francis J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method of and apparatus for treating shoe uppers. 2,236,592; Apr. 1.
Bevier, Abram M., Duluth, Minn. Draft means for locomotives. 2,236,744; Apr. 1.
Bikle, William E., Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa. Hatch construction. 2,236,667; Apr. 1.
Billingsley, John W. (See Kilbury, Paul D., assignor.)
Binks Manufacturing Company. (See Striegel, Harold L., assignor.)
Birdsong, Ward T., Thomaston, Ga., assignor to J. C. Goodman, Columbus, Ohio. Building construction. 2,237,212; Apr. 1.
Bishop Publishing Company. (See Bishop, Robert B., assignor.)
Bishop, Robert B., Wilmette, assignor to Bishop Publishing Company, Chicago, Ill. Two-way display standard. 2,236,888; Apr. 1.
Bjorkman, Carl G., Chicago, Ill. Process and apparatus for making gut strings. 2,236,511; Apr. 1.
Bjorkman, Gustaf E., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,236,989; Apr. 1.
Blain, Albert, Philadelphia, Pa., assignor to Radio Corporation of America. Deflecting yoke. 2,236,498; Apr. 1.
Blank, Joseph N., Newport, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Casing for electrical installations. 2,236,787; Apr. 1.
Blasdell, Elgin, Flint, Mich. Soot blower for boilers. 2,237,044; Apr. 1.
Blau, Ludwig W., and R. R. Thompson, Houston, Tex., assignors to Standard Oil Development Company. Method and apparatus for logging wells. 2,236,668; Apr. 1.
Bliss, E. W., Company. (See Williamson, Larkin R., assignor.)
Block, Walter W., Kenosha, Wis. Curtain stretcher. 2,236,745; Apr. 1.
Blumenfeld, Alexander S., New York, N. Y., assignor, by mesne assignments, to J. A. Maurer, Inc. Adjusting optical systems. 2,236,990; Apr. 1.
Boisvert, Norbert. (See Lemire, Joseph, H., and R., assignors.)
Booth, Charles F., and H. J. Krase, Anniston, Ala., assignors, by mesne assignments, to Monsanto Chemical Company. Copper fungicide. 2,237,045; Apr. 1.
Booth, Earl C., assignor to Noblett-Sparks Industries, Inc., Columbus, Ind. Automobile heating system. 2,236,889; Apr. 1.
Booth, Morris P., Alden, Mich. Birdhouse. 2,236,593; Apr. 1.
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Voit, W., and Weber, assignors.)
Bosco, George B., Chicago, Ill. Concrete form wall and tie. 2,236,616; Apr. 1.
Botter, William T., Johnstown, Pa. Clutch actuating mechanism. 2,236,704; Apr. 1.
Bottlers Equipment Company. (See Gibbs, Curtis W., assignor.)
Böttner, Carl. (See Maybach, K., Böttner, Glücker, and Meyer.)
Bower, Ralph, Bowerston, L. P. Reese, Scio, and A. J. Wahl, Bowerston, Ohio; said Reese assignor to said Bower and said Wahl. Sagger pin boxing machine. 2,236,890; Apr. 1.
Boyer, Oscar A. (See Hahn, C. E., and Boyer.)
Boynton, Alexander, San Antonio, Tex. Well testing tool. 2,236,512; Apr. 1.
Boynton, Arthur J., Winnetka, assignor to H. A. Brassert & Company, Chicago, Ill. Blast furnace construction. 2,236,991; Apr. 1.
Bradley, Durbin H. (See Ahlburg, F., and Bradley.)
Bradner, Donald B., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Making coated paper. 2,237,068; Apr. 1.
Bradshaw, Hamilton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fire extinguisher. 2,236,513; Apr. 1.
Brand, Samuel, Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Check endorsing machine. 2,237,269; Apr. 1.
Brandes, Ernest F., Manhasset, N. Y. Turf cutter. 2,236,562; Apr. 1.
Brandt, Robert L., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treatment of textiles. 2,236,617; Apr. 1.
Brassert, H. A., & Company. (See Boynton, Arthur J., assignor.)
Braun, Gwilym S., Strasburg, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric circuit and plug connection. 2,237,023; Apr. 1.
Breer, Carl, Grosse Pointe Park, and O. M. Raes, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Speed regulating mechanism. 2,236,669; Apr. 1.
Breitenwischer, Adolph H., Ottawa Hills, Ohio. Releasable holding device for closures. 2,237,046; Apr. 1.
Bridges, Frank R., Needham, assignor to The Gamewell Company, Newton Upper Falls, Mass. Fire alarm system. 2,236,891; Apr. 1.
Briggs, Robert E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Scum remover for sewage settling tanks. 2,237,172; Apr. 1.
Brill, Abraham, Youngstown, Ohio, assignor to Lee Rubber and Tire Corporation, Conshohocken, Pa. Conveyer belt. 2,237,173; Apr. 1.
Brink, Winfield S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel construction. 2,237,247; Apr. 1.
Broadley, Charles V., Riverton, N. J. Broiling pan. 2,236,992; Apr. 1.
Broekhuysen, William C., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Method and apparatus for detecting metal particles in nonmetallic material. 2,237,254; Apr. 1.
Broeman, Frank C., Cincinnati, assignor to The Stearns & Foster Company, Lockland, Ohio. Milk filter pad. 2,236,892; Apr. 1.
Brookhart, Theodore C., and D. A Meeker, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,237,047; Apr. 1.
Brown, Ellis V. (See Pasternack, R., and Brown.)
Brown Instrument Company, The. (See Krogh, Anker E., assignor.)

Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Brown, Ralph F., Millville, N. J. Pipette. 2,237,213; Brown, William E. (See Stine, S. S., and Brown.)
Bruce, Lawrence R., Incorporated. (See Goldfarb, Abraham R., assignor.)
Bruns, Anthony C., Cincinnati, assignor to The Palmer Company, Norwood, Ohio. Packing thermometer tubes and the like. 2,237,086; Apr. 1.
Bryan, Thomas. (See Worthington, J. B., and McGee, assignors.)
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Transmission system for statistical data. 2,237,130; Apr. 1.
Brykczynski, Charles S., and J. Kosman, Brooklyn, assignors to Geo. F. Stuhmer & Company, New York, N. Y. Grinding machine. 2,236,843; Apr. 1.
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Bullock, Frederick A., Providence, R. I., assignor to Dolan & Bullock Company. Self-retaining cuff link. 2,236,788; Apr. 1.
Bunting, Ernest V. (See Taylor, G. O., and Bunting.)
Bunzell, Herbert H., New York, N. Y. Bread improver. 2,236,867; Apr. 1.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Gel-type oxide catalyst. 2,236,514; Apr. 1.
Burkart, Joseph A., Albany, N. Y. Collapsible wheel chuck. 2,237,214; Apr. 1.
Burnett, Richard W., Chicago, Ill. Railroad car hand brake. 2,236,563; Apr. 1.
Burton, Jesse B. (See Graham, J. H., Jackman, Burton, and Candee.)
Bush, Eugene S., Overland, Mo. Electrical speed change control apparatus. 2,236,746; Apr. 1.
Byrkit, Gordon D. (See Davis, L. L., Lincoln, and Byrkit.)
Byrkit, Gordon D. (See Lincoln, B. H., Byrkit, and Steiner.)
Cadwallader, Robert, and E. C. Dodt, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Bumper and stone deflector. 2,236,670; Apr. 1.
Cadwell, Leon L. (See Williams, B. E., and Cadwell.)
Cahn, Frank J., and M. B. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Preparation of organic nitrogenous base salts. 2,236,515; Apr. 1.
Cahn, Frank J., and B. R. Harris, assignors to The Emulsol Corporation, Chicago, Ill. Esters of hydroxy polycarboxylic acid derivatives. 2,236,516; Apr. 1.
Cahn, Frank J., and B. R. Harris, assignors to The Emulsol Corporation, Chicago, Ill. Composition of matter. 2,236,517; Apr. 1.
Cahn, Frank J., and M. B. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Preparation of organic nitrogenous base salts. 2,236,518; Apr. 1.
Calbar Paint & Varnish Company. (See Dewees, Vincent E., assignor.)
Caldwell, Wallace L. (See Meinzer, Carl F., assignor.)
California Portland Cement Company. (See Bechtold, Ira C., assignor.)
California Portland Cement Company. (See Bechtold, I. C., and McKinney, assignors.)
Cameron, Allan M., assignor to Cameron Can Machinery Co., Chicago, Ill. Feeding device for can bodies. 2,236,747; Apr. 1.
Cameron Can Machinery Co. (See Cameron, Allan M., assignor.)
Cameron, Curtice B., Laurel, Miss. Vaulting standard adjusting apparatus. 2,236,935; Apr. 1.
Camp, Walter W., Castorland, N. Y. Device for applying rubber bands. 2,236,936; Apr. 1.
Campbell, Richard L., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Composite signal device. 2,236,705; Apr. 1.
Candee, Zenas P. (See Graham, J. H., Jackman, Burton, and Candee.)
Caps, Arthur W. (See Landrock, P., and Caps.)
Cardinal Products, Inc. (See Schmitt, George P., assignor.)
Cardwell, James R. (See Sproul, Donald F., assignor.)
Carey, Philip, Manufacturing Company, The. (See Greider, H. W., and Smith, assignors.)
Carlson, Oscar F., Kenilworth, assignor of one-half to Oscar F. Carlson Company and one-half to E. N. McDonnell, Chicago, Ill. Float valve. 2,237,174; Apr. 1.
Carlson, Oscar F., Company et al. (See Carlson, Oscar F., assignor.)
Carpenter, Victor W., Franklin, assignor to The American Rolling Mill Company, Middletown, Ohio. Producing silicon steel sheet or strip. 2,236,519; Apr. 1.
Carr, Richard H., assignor to The Pure Oil Company, Chicago, Ill. Treatment of wells. 2,237,131; Apr. 1.
Carter, William W., Needham, assignor to Brayton Morton, trustee, Boston, Mass. Molded article and making it. 2,237,048; Apr. 1.
Cartier, Inc. (See Pujol, Albert J., assignor.)
Casco Products Corporation. (See Johnson, Arthur A., assignor.)
Casner, James E., Alpine, Tex. Brake and hub assembly. 2,237,095; Apr. 1.
Cavedon, Alexander, Woonsocket, R. I. Transfer mechanism for carding machines. 2,237,049; Apr. 1.
Celanese Corporation of America. (See Schneider, George, assignor.)
Central Mine Equipment Co. (See Cook, Walter, assignor.)
Cesareo, Orfeo, Washington Township, Bergen County, N. J., and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,236,499; Apr. 1.
Chaffee, Joseph G., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiant energy distance determining system. 2,236,893; Apr. 1.
Champion Paper and Fibre Company, The. (See Bradner, Donald B., assignor.)
Chayle, Oliver J., South Bend, Ind., assignor, by mesne assignments, to American Machine and Metals, Inc., East Moline, Ill. Washing machine. 2,236,748; Apr. 1.
Chemical Marketing Company. (See Nagel, K., Selb, Scheffer, and Werner, assignors.)
Chicago Carton Company. (See Clarke, John D., assignor.)
Chirelstein, Charles, Newark, N. J. Starter switch for gaseous discharge devices. 2,236,671; Apr. 1.
Chittick, Charles Y., Waban, Mass. Means for determining miniature railroad track layout. 2,236,894; Apr. 1.
Christensen, Andrew B., North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Photoelectric coin registering device. 2,237,132; Apr. 1.
Christenson, Gustaf O., Brooklyn, N. Y. Draw punch. 2,237,069; Apr. 1.
Chrysler Corporation. (See Breer, C., and Raes, assignors.)
Chrysler Corporation. (See Cadwallader, R., and Dodt, assignors.)
Chrysler Corporation. (See Davy, Charles E., assignor.)
Chrysler Corporation. (See Jackson, Clifford C., assignor.)
Chrysler Corporation. (See Shurts, W. F., and Baird, assignors.)
Chrysler Corporation. (See Webb, Edmond F., assignor.)
Clark, Spencer, Daytona Beach, Fla. Cleanout fitting. 2,236,937; Apr. 1.
Clarke, Charles E., Winchester, R. T. Duffy, Boston, Mass., and J. W. Cloutier, Franklin, N. H., assignors to Lindbladh Corporation, Boston, Mass. Paper ruling machine. 2,236,724; Apr. 1.
Clarke, Charles E., Winchester, and R. T. Duffy, Boston, Mass., and J. W. Cloutier, Franklin, N. H., assignors to Lindbladh Corporation, Boston, Mass. Paper ruling machine. 2,236,725; Apr. 1.
Clarke, Charles E., Winchester, and R. T. Duffy, Boston, Mass., and J. W. Cloutier, Franklin, N. H., assignors to Lindbladh Corporation, Boston, Mass. Paper ruling machine. 2,236,726; Apr. 1.
Clarke, John D., assignor to Chicago Carton Company, Chicago, Ill. Display container. 2,236,749; Apr. 1.
Cleveland Automatic Machine Company, The. (See Jelinek, A. F., and Gross, assignors.)
Cleveland, Charles H., Detroit, Mich. Fluid pressure regulator and flow control device. 2,237,070; Apr. 1.
Cleveland Steel Products Corp. (See Smith, W. J., and Slaght, assignors.)
Cliffe, Wilfrid H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Azo dyestuffs. 2,236,618; Apr. 1.
Cloutier, Joseph W. (See Clarke, C. E., Duffy, and Cloutier.)
Cocke, Emory L., Atlanta, Ga., and B. H. Ticknor, II, Englewood, N. J., assignors of one-half to Commercial Molasses Corporation, New York, N. Y., and one-half to Sunl-Citrus Products Company, Haines City, Fla. Food product and process of making same. 2,236,844; Apr. 1.
Coffey, Samuel, and F. Lodge, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Brominated arylaminoanthraquinone compounds. 2,236,672; Apr. 1.
Coffren, Richard H., Washington, D. C. Phonograph horn for portable phonographs. 2,236,520; Apr. 1.
Cole, Hugh L., assignor to Cole's Hot Blast Mfg. Co., Chicago, Ill. Safety device for gas heaters. 2,236,673; Apr. 1.
Coleman, Robert H., and O. D. Hunt, assignors of one-fourth to E. E. Whisnant, and one-fourth to C. L. Whisnant, Hickory, N. C. Knitting machine. 2,237,270; Apr. 1.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Ink. 2,236,521; Apr. 1.
Cole's Hot Blast Mfg. Co. (See Cole, Hugh L., assignor.)
Colgate-Palmolive-Peet Company. (See Brandt, Robert L., assignor.)
Colgate-Palmolive-Peet Company. (See Muncie, Fred W., assignor.)
Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for preventing the accumulation of ice. 2,237,175; Apr. 1.
Colvin, Nolan D. (See Coultas, W. J., and Colvin.)
Combustion Engineering Company. (See Wood, W. R., and Toensfeldt, assignors.)
Commercial Molasses Corporation, et al. (See Cocke, E. L., and Ticknor, assignors.)

Commercial Solvents Corporation. (See Hodge, Edward B., assignor.)
Commercial Solvents Corporation. (See Hodge, E. B., and Swallen, assignors.)
Coney, Lewis C., Philadelphia, Pa. Flow regulating and control device. 2,237,215; Apr. 1.
Consolidated Edison Company of New York, Inc. (See Williams, E., and Xenis, assignors.)
Continental Oil Company. (See Davis, L. L., Lincoln, and Byrkit, assignors.)
Continental Oil Company. (See Lincoln, B. H., Byrkit, and Steiner, assignors.)
Cook, Junius F., Johannesburg, Transvaal, Union of South Africa. Stabilizing means for vehicles. 2,236,522 Apr. 1.
Cook, Junius F., Johannesburg, Transvaal, Union of South Africa. Vehicle suspension. 2,236,868; Apr. 1.
Cook, Walter, Benton, Ill., assignor to Central Mine Equipment Co., St. Louis, Mo. Mining drill and bit. 2,237,133; Apr. 1.
Coolidge, Cole, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ethers. 2,236,523; Apr. 1.
Corn Products Refining Company. (See Veatch, Collins, assignor.)
Cornelius, Richard T., Minneapolis, Minn. Control device for beer dispensing systems. 2,236,619; Apr. 1.
Cornelius, Richard T., Minneapolis, Minn. Faucet. 2,236,620; Apr. 1.
Cornelius, Richard T., Minneapolis, Minn. Motor pump unit. 2,236,621; Apr. 1.
Cornell, Edward S., Jr., Larchmont, N. Y. Pressure relief valve. 2,236,564; Apr. 1.
Cotal, Jean. (See Thomas, W. M., and Cotal.)
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Centrifugally controlled automotive transmission gear. 2,237,025; Apr. 1.
Coultas, Wilbur J., and N. D. Colvin, assignors to Deere & Company, Moline, Ill. Dump rake. 2,237,280; Apr. 1.
Court, William F., Webster Groves, Mo., assignor to Shell Development Company, San Francisco, Calif. Hydraulic disruption of solids. 2,236,895; Apr. 1.
Couty, Norman M., Detroit, Mich., assignor to The Flex-O-Tube Company. Flexible connection for tubing. 2,236,967; Apr. 1.
Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,236,565; Apr. 1.
Crane Co. (See Zinkil, R. H., and Marchand, assignors.)
Crawford, Richard A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Paint. 2,237,024; Apr. 1.
Crebbs, Earl R., San Francisco, Calif. Dispensing apparatus. 2,236,993; Apr. 1.
Cross, Burl G., Lansing, Mich. Furnace heat economizer. 2,236,750; Apr. 1.
Crown Cork & Seal Company. (See Graham, J. H., Jackman, Burton, and Candee, assignors.)
Cummings, Ben H. (See Thomas, S. B., and Cummings.)
Cunnington, George R., assignor to Woodall Industries Incorporated, Detroit, Mich. Apparatus and fabricating laminated trim panels. 2,236,968; Apr. 1.
Curran, Maurice D., Glendale, Mo., assignor to Tar and Petroleum Process Company, Chicago, Ill. Coke handling mechanism. 2,237,134; Apr. 1.
Curry, Joseph H., Lansdale, Pa. Combined headlight and fog light. 2,236,845; Apr. 1.
Curtis, Austen M., South Orange, N. J., and A. E. Melhose, St. Albans, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,236,524; Apr. 1.
D'Agostino, Giuseppe, Utica, N. Y. Lawn mower. 2,237,210; Apr. 1.
Daigle, Armand E., Detroit, Mich. Golf target. 2,236,869; Apr. 1.
Dain Manufacturing Company of Iowa. (See Kelley, George N., assignor.)
Damonte, John P., New Orleans, La. Pump. 2,236,706; Apr. 1.
Darner, Frederic M., Shaker Heights, and R. A. Shryock, Elyria, assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Brush supporting and operating mechanism for welding machines and the like. 2,236,707; Apr. 1.
Darrall, William G. (See Salvetti, Dante A., assignor.)
Darsey, Van M., J. S. Thompson, and E. W. Goodspeed, Detroit, assignors to Parker Rust-Proof Company, Wayne County, Mich. Coloring metals and product. 2,236,549; Apr. 1.
Davio, Leon, West Springfield, Mass. Magazine binder. 2,236,771; Apr. 1.
Davis, Lloyd L., B. H. Lincoln, and G. D. Byrkit, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 2,236,897; Apr. 1.
Davis, Lloyd L., B. H. Lincoln, and G. D. Byrkit, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 2,236,896; Apr. 1.
Davis, Robert E., Houston, Tex. Gas detector. 2,236,525; Apr. 1.
Davisson, Roy S., Waynesfield, Ohio. Snow and insect shield. 2,236,846; Apr. 1.
Davy, Charles E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Steering wheel hub. 2,236,674; Apr. 1.
Dearborn, Frederick E., Washington, D. C. Lubricant. 2,237,096; Apr. 1.
Deere & Company. (See Coultas, W. J., and Colvin, assignors.)
Deere & Company. (See Oerman, Orey W., assignor.)
Deere, John, Tractor Company. (See McCormick, Elmer, assignor.)
Defiance Manufacturing Corporation. (See Phinney, Edgar E., assignor.)
De Laval Separator Company, The. (See Forsberg, Eril A., assignor.)
Del-Mac Shoe Process Corporation, The. (See Quinn, Edward, assignor.)
Denison, Frederick S., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,237,248; Apr. 1.
Denison, Frederick S. (See Scoggin, E. K., and Denison.)
Depp, Wallace A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relaxation oscillator. 2,237,135; Apr. 1.
De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Packing material. 2,236,675; Apr. 1.
Deri, Bruno, Brooklyn, and S. Gangi, New York, N. Y. Flat knitting machine. 2,236,995; Apr. 1.
Deri, Bruno, Brooklyn, and S. Gangi, New York, N. Y. Jacquard knitting machine. 2,236,994; Apr. 1.
Derman, Harry, Laurelton, Long Island, N. Y. Knockdown cabinet. 2,236,870; Apr. 1.
Detroit Duo-Grip Brake Company. (See Rosenberg, Ralph H., assignor.)
Detroit Stoker Company. (See Beers, Royce L., assignor.)
Dewees, Vincent E., assignor to Calbar Paint & Varnish Company, Philadelphia, Pa. Plastic material dispenser. 2,236,727.
Dickey-Grabler Company, The. (See Schutt, Frederick A., assignor.)
Dickinson, Arthur H., Bronxville, assignor to International Business Machines Corporation, New York, N. Y. Multiplying machine. 2,237,136; Apr. 1.
Diesbach, Frederick B., assignor to P. Benninghofen and F. G. Diesbach, trustees, Hamilton, Ohio. Camera supporting head. 2,237,281; Apr. 1.
Diesbach, Fritz G., et al., trustee. (See Diesbach, Frederick B.)
Dietrich, Fred J., Lemay, Mo. Printing press feeder. 2,237,026; Apr. 1.
Digila, James E., et al. (See Wing, Johnnie, assignor.)
Digila, Joseph P., et al. (See Wing, Johnnie, assignor.)
Digila, Samuel J., et al. (See Wing, Johnnie, assignor.)
Dine, Frank W., assignor to The Streine Tool & Manufacturing Company, New Bremen, Ohio. Safety device for automatic hold-down conveyers. 2,236,751; Apr. 1.
Dinsmoor, John L., New York, assignor of forty per cent to J. Hassall, Inc., Brooklyn, N. Y. Sealable bag tie. 2,236,676; Apr. 1.
Dodt, Elmer C. (See Cadwallader, R., and Dodt.)
Dolan & Bullock Company. (See Bullock, Frederick A., assignor.)
Dorer, Oscar H., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Pump. 2,237,027; Apr. 1.
Dorman, Jack R., Cincinnati, Ohio. Merchandise container. 2,237,176; Apr. 1.
Doty, Charles R., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Time recording system. 2,237,137; Apr. 1.
Dow Chemical Company, The. (See Nelson, Charles E., assignor.)
Dow Chemical Company, The. (See Prutton, Carl F., assignor.)
Dow Chemical Company. (See Strosacker, C. J., and Amstutz, assignors.)
Dreibuss, Harry C., and F. H. Spenner, assignors to Scullin Steel Co., St. Louis, Mo. Car truck. 2,236,566; Apr. 1.
Drew, Donald E., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonfibrous structure and preparing same. 2,236,526; Apr. 1.
Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive sheet and method of making. 2,236,527; Apr. 1.
Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive sheeting. 2,236,567; Apr. 1.
Driscoll, Julia L. (See Kenney, C. D., Driscoll, and Baier.)
Driver, Wilbur B., Co. (See Fetz, Erich, assignor.)
Dryer, Charles G., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of phenols. 2,236,811; Apr. 1.
Dubreuil, Emile, North Adams, Mass. Ladder platform. 2,237,216; Apr. 1.
Duffy, Robert T. (See Clarke, C. E., Duffy, and Cloutier.)
Dunham, George S., Ardmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Distillation. 2,237,271; Apr. 1.
Dulsberg, Walther H. (See Thinius, Kurt, assignor.)

Du Pont, E. I., de Nemours & Company. (See Babcock, Dale F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Babcock, D. F., Greenewalt, and Worthington, assignors.)

Du Pont, E. I., de Nemours & Company. (See Balthis, J. H., Jr., and Taylor, assignors.)

Du Pont, E. I., de Nemours & Company. (See Bradshaw, Hamilton, assignor.)

Du Pont, E. I., de Nemours & Company. (See Coolidge, Cole, assignor.)

Du Pont, E. I., de Nemours & Company. (See Drew, Donald E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hahn, Frederick C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Maxwell, Robert W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Maxwell, R. W., and Larson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Mitchell, James A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Taylor, Guy B., assignor.)

Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,236,594; Apr. 1.

Economy Faucet Co. (See Kemper, Louis, assignor.)

Eddy, Schuyler C., Kalamazoo, Mich. Tent and tent frame. 2,236,677; Apr. 1.

Edelen, James G., Baltimore, Md. Drawer or door holding device. 2,236,938; Apr. 1.

Edson, Robert C., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Receiver cap acoustic filter. 2,236,568; Apr. 1.

Edwards, Harold, and R. T. Axe, assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Double window construction. 2,236,812; Apr. 1.

Edwards, O. M., Company, The. (See Edwards, H., and Axe, assignors.)

Ekserglan, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,236,898; Apr. 1.

Electrical Research Products, Inc. (See Manderfeld, Emanuel C., assignor.)

Electrolux Corporation. (See Bjorkman, Gustaf E., assignor.)

"Electrometal" Societe Anonyme. (See Pokorny, Ernest A., assignor.)

Elfert, Vertus, Madison, S. Dak. Terminal clamp for battery posts. 2,237,097; Apr. 1.

Elger, Joseph, assignor of one-half to R. Elger, Chicago, Ill. Air relief valve for use in a radiator in either hot water or steam heating. 2,236,772; Apr. 1.

Elger, Rose. (See Elger, Joseph, assignor.)

Elgin Sweeper Company. (See Evans, Ronald C., assignor.)

Ellis, Clifford A., Ridgefield, N. J. Breather reservoir of the gas holder type. 2,236,996; Apr. 1.

Ellis, Horace R., Meadville, Pa. Window guard. 2,237,217; Apr. 7.

Emulsol Corporation, The. (See Cahn, F. J., and Harris, assignors.)

Emulsol Corporation, The. (See Cahn, F. J., and Katzman, assignors.)

Emulsol Corporation, The. (See Epstein, A. K., and Katzman, assignors.)

Emulsol Corporation, The. (See Katzman, Morris B., assignor.)

Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Derivatives of alcohol amines. 2,236,528-9; Apr. 1.

Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Sulphocarboxylic acid esters of alcohol amine derivatives. 2,236,530; Apr. 1.

Erich, Reuben, Avenal, Calif. Inertia switch. 2,236,790; Apr. 1.

Erickson, C. E., Company Incorporated. (See Erickson, Ernest R., assignor.)

Erickson, Ernest R., assignor to C. E. Erickson Company Incorporated, Des Moines, Iowa. Twine holder. 2,237,028; Apr. 1.

Eriksson, Erik W., Rosenhill, Björklinge, Sweden. Washing apparatus for clothes. 2,236,871; Apr. 1.

Etzkorn, Rudolf, Murg, Baden, Germany. Rotary cutter. 2,236,939; Apr. 1.

Euclid Road Machinery Company, The. (See Armington, George E., assignor.)

Evans, Ronald C., assignor to Elgin Sweeper Company, Elgin, Ill. Cleaning streets. 2,236,813; Apr. 1.

Evans, Ronald C., assignor to Elgin Sweeper Company, Elgin, Ill. Street sweeper and driving system therefor. 2,236,814; Apr. 1.

Evans, Ronald C., assignor to Elgin Sweeper Company, Elgin, Ill. Collecting and conveying apparatus for sweepers. 2,236,815; Apr. 1.

Evans, Ronald C., assignor to Elgin Sweeper Company, Elgin, Ill. Street sweeper brush and assembly. 2,236,816; Apr. 1.

Evans, Ronald C., assignor to Elgin Sweeper Company, Elgin, Ill. Street sweeper brush and mounting. 2,236,817; Apr. 1.

Fannu, Juan M., Sao Paulo, Brazil. Safety closure device for containers. 2,236,622; Apr. 1.

Fate-Root-Heath Company, The. (See Hautzenroeder, Richard W., assignor.)

Fedak, Michael, Hamtramck, Mich. Hobbyhorse. 2,236,678; Apr. 1.

Fedders Manufacturing Company. (See Askin, Joseph, assignor.)

Fedders Manufacturing Company. (See Smith, Lawrence C., assignor.)

Feinberg, Maxwell R., New York, N. Y. Dialing arrangement for substation senders. 2,236,997; Apr. 1.

Fender, Ferdinand E., Evanston, assignor to Vaughan Novelty Mfg. Co. Inc., Chicago, Ill. Can opener. 2,237,138; Apr. 1.

Ferguson, Robert P., Cranford, and F. W. Schumacher, Mountainside, N. J., assignors to Standard Oil Development Company. Revivification of decolorizing adsorbents. 2,236,679; Apr. 1.

Ferrex Corporation. (See Gersman, Harvey M., assignor.)

Fetz, Erich, assignor to Wilbur B. Driver Co., Newark, N. J. Alloy. 2,236,899; Apr. 1.

"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung. (See Kudrna, Benedikt, assignor.)

"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung. (See Kusche, Walter, assignor.)

Filer & Stowell Co., The. (See Read, Everett C., assignor.)

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for use in the manufacture of shoes. 2,236,531; Apr. 1.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacturing shoes. 2,236,623; Apr. 1.

Finnegan, William J., Los Angeles, Calif. Method and apparatus for quick freezing and handling of comestibles. 2,237,255; Apr. 1.

Finnegan, William J., Los Angeles, Calif. Method and apparatus for multistage freezing of comestibles. 2,237,256; Apr. 1.

Finnegan, William J., Los Angeles, Calif. Method and apparatus for rapid refrigerating and handling of foods. 2,237,257; Apr. 1.

Firestone Tire & Rubber Company, The. (See Brink, Winfield S., assignor.)

Firestone Tire & Rubber Company, The. (See Hale, James E., assignor.)

Firestone Tire & Rubber Company, The. (See Wilson, R. F., and Klingman, assignors.)

Fischer, Carl H., Council Bluffs, Iowa. Safety bathtub support for infants. 2,237,177; Apr. 1.

Fischer, Frederick K., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High pressure head. 2,237,029; Apr. 1.

Fischer, Norman C., Springfield, Mo., assignor to Armour and Company, Chicago, Ill. Treatment of egg whites. 2,236,773; Apr. 1.

Fischer, Norman C. (See Littlefield, V. D., and Fischer.)

Fish, Andrew J., Carroll, N. H. Hernial truss and truss pad. 2,236,752; Apr. 1.

Fish, John R., West Springfield, Mass. Carburetor. 2,236,595; Apr. 1.

Fisher, George H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,237,249; Apr. 1.

Fitch, Clyde J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Signaling system. 2,237,140; Apr. 1.

Flammang, John, assignor to The Sterling Corporation, St. Louis, Mo. Piston. 2,236,818; Apr. 1.

Flateboe, Einar I., Everett, Wash. Paper shredder. 2,236,969; Apr. 1.

Flex-O-Tube Company, The. (See Couty, Norman M., assignor.)

Flynn, Vincent J., Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J. Application of cellulose derivatives. 2,237,218; Apr. 1.

Flynn, Vincent J., Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J. Application of cellulose derivatives. 2,237,219; Apr. 1.

Flynn, Vincent J., Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J. Application of cellulose derivatives. 2,237,220; Apr. 1.

Flynn, Vincent J., Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J. Application of cellulose derivatives. 2,237,221; Apr. 1.

Flynn, Vincent J., Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J. Application of cellulose derivatives. 2,237,222; Apr. 1.

Foley, John R., assignor to Marjorie Hart, New York, N. Y. Electric lamp guard. 2,236,940; Apr. 1.

Foley, John R., assignor to Marjorie Hart, New York, N. Y. Fuse puller. 2,236,941; Apr. 1.

Folmer Graflex Corporation, The. (See Hendrickson, Henry M., assignor.)

Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)

Forsberg, Erik A., Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Dishwashing machine. 2,236,791; Apr. 1.

Foster Brothers Manufacturing Company. (See Foster, Townsend, assignor.)

Foster, Townsend, New Hartford, assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Convertible studio couch. 2,236,753; Apr. 1.

Franwick, Edmond J., assignor to Hanau Engineering Company, Inc., Buffalo, N. Y. Dental articulator. 2,237,050; Apr. 1.

Fraser, Douglas, & Sons Limited. (See Fraser, Gordon S., assignor.)

Fraser, Gordon S., assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland. Silver roll forming machines. 2,237,071; Apr. 1.

Frazier, Andrew, Martinsville, Va. Motor vehicle headlight. 2,236,942; Apr. 1.

Freborg, Carl G., Chicago, Ill. Multiple record phonograph. 2,237,139; Apr. 1.

Freeman, Walter B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making belts. 2,237,178; Apr. 1.

Friend, Robert O., Chicago, Ill., J. A. Montgomery, Denver, Colo., and W. F. Schaller, La Grange, Ill. Fluid distributor. 2,236,943; Apr. 1.

Frommer, Bernard. (See Golub, S., and Frommer.)

Frost, Frederick H., Portland, Maine, assignor to S. D. Warren Company, Boston, Mass. Coated paper. 2,236,847; Apr. 1.

Fry, Virgil H., assignor to Micro Switch Corporation, Freeport, Ill. Electric limit switch. 2,236,680; Apr. 1.

Furber, Henry J., Silver Spring, Md. Conservator mechanism. 2,236,793; Apr. 1.

Furber, Henry J., Silver Spring, Md. Mechanism for division. 2,236,794; Apr. 1.

Furber, Henry J., Silver Spring, Md. Multiplying mechanism. 2,236,795; Apr. 1.

Furber, Henry J., Miami, Fla. Calculating apparatus. 2,236,792; Apr. 1.

Galbreath, William W., assignor to The Steel Sanitary Company, Alliance, Ohio. Tub and support therefor. 2,237,272; Apr. 1.

Gale, Etta F., Toronto, Ontario, Canada. Curtain support. 2,237,141; Apr. 1.

Gamewell Company, The. (See Bridges, Frank R., assignor.)

Gangi, Sebastian. (See Deri, B., and Gangi.)

Garner, Lloyd P. (See Tykociner, J. T., Garner, and Kunz.)

Gathmann, Paul J., Lombard, Ill. Aeronautical propeller. 2,237,030; Apr. 1.

General Aircraft Corporation. (See Koppen, Otto C., assignor.)

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

General Electric Company. (See Bartelink, Everhard H. B., assignor.)

General Electric Company. (See Gillette, Robert T., assignor.)

General Electric Company. (See Gustaveson, David W., assignor.)

General Electric Company. (See Hahn, C. E., and Boyer, assignors.)

General Electric Company. (See Harrison, Howard R., assignor.)

General Electric Company. (See Kiltie, Ordean, assignor.)

General Electric Company. (See Koller, Lewis R., assignor.)

General Electric Company. (See Lemmers, Eugene, assignor.)

General Electric Company. (See Malloy, Frank J., assignor.)

General Electric Company. (See McNairy, Jacob W., assignor.)

General Electric Company. (See Peters, Leo R., assignor.)

General Electric Company. (See Stanbery, Elwood M., assignor.)

General Electric Company. (See Stratton, Jerry L., assignor.)

General Electric Company. (See Winter, Fred H., assignor.)

General Electric Company. (See Worcester, Joseph A., Jr., assignor.)

General Fireproofing Co., The. (See Swimmer, A. T., assignor.)

General Motors Corporation. (See Lee, Joseph R., assignor.)

General Motors Corporation. (See Little, John H., assignor.)

General Motors Corporation. (See Manning, William H., assignor.)

General Motors Corporation. (See Reynolds, Edward F., assignor.)

General Railway Signal Company. (See Hailes, William D., assignor.)

General Railway Signal Company. (See Willing, Joseph E., assignor.)

Gerardi, Charles B., Trinidad, Colo. Drill bit. 2,236,944; Apr. 1.

Gersman, Harvey M., assignor to Ferrex Corporation, New York, N. Y. Producing metal lath. 2,237,051; Apr. 1.

Gibbs, Curtis W., assignor, by direct and mesne assignments, to Bottlers Equipment Company, Fort Worth, Tex. Mixing, inspection, and casing machine for bottled goods. 2,236,945; Apr. 1.

Gibbs, Thomas B., Chicago, Ill. Constant frequency generator. 2,236,532; Apr. 1.

Giesecking, Harry E., assignor to Wire & Iron Products, Inc., Detroit, Mich. Metal wall partition. 2,237,098; Apr. 1.

Gill, Edward H., Memphis, Tenn., assignor to J. T. Gregory, Little Rock, Ark. Dispensing and mixing apparatus for liquefied gas. 2,237,052; Apr. 1.

Gillette, Elmon C., New York, N. Y. Golf practicing device. 2,236,500; Apr. 1.

Gillette, Robert T., Scotia, N. Y., assignor to General Electric Company. Resistance welding. 2,236,998; Apr. 1.

Gillette Safety Razor Company. (See Muros, J., and Lewando, assignors.)

Gillian, Joseph L., and C. D. Nellis, Milwaukee, Wis. Partition assembling machine. 2,237,099; Apr. 1.

Gilmore, John L., Kansas City, Mo. Trailer hitch. 2,237,031; Apr. 1.

Given, Fred H., assignor to The Perfect Circle Company, Hagerstown, Ind. Treating bearing members. 2,236,728; Apr. 1.

Gleason Works. (See Johanson, Magnus H., assignor.)

Glücker, Eugen. (See Maybach, K., Böttner, Glücker, and Meyer.)

Goldfarb, Abraham R., New York, N. Y., assignor to Lawrence Richard Bruce, Incorporated. Remover for artificial colors from hair. 2,236,970; Apr. 1.

Goldschmidt, Edward, New York, N. Y. Package seal and handle. 2,236,381; Apr. 1.

Goldsmith, Alfred N., New York, N. Y. Television-telephone system. 2,236,501; Apr. 1.

Goldsmith, Alfred N., New York, N. Y. Composite-delineation television. 2,236,502; Apr. 1.

Golub, Samuel, and B. Frommer, New York, N. Y. Physician's head unit. 2,236,819; Apr. 1.

Gomersall, John R., assignor to McGraw Electric Company, Elgin, Ill. Thermal timer for toasters. 2,237,100; Apr. 1.

Goodman, Joseph C. (See Birdsong, Ward T., assignor.)

Goodrich, B. F., Company, The. (See Colley, Russell S., assignor.)

Goodrich, B. F., Company, The. (See Crawford, Richard A., assignor.)

Goodrich, B. F., Company, The. (See Freeman, Walter B., assignor.)

Goodrich, B. F., Company, The. (See Hosker, Clarence E., assignor.)

Goodrich, B. F., Company, The. (See Rennié, I. H., and Williams, assignors.)

Goodspeed, Edwin W. (See Darsey, V. M., Thompson, and Goodspeed.)

Graham, James H., Torrington, G. W. Jackman, J. B. Burton, and Z. P. Candee, Waterbury, Conn., assignors, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Can body welding machine. 2,236,848; Apr. 1.

Graviner Manufacturing Company Limited. (See Salmond, H. M., and Mathisen, assignors.)

Graviner Manufacturing Company Limited. (See Mathisen, A., and Salmond, assignors.)

Grayson Heat Control, Ltd. (See Jackson, Wilbur, assignor.)

Greenberg, Charles B., New York, N. Y. Expansion link chain. 2,236,820; Apr. 1.

Greenewalt, Crawford H. (See Babcock, D. F., Greenewalt, and Worthington.)

Gregory, J. T. (See Gill, Edward H., assignor.)

Greider, Harold W., Wyoming, and M. F. Smith, Cincinnati, Ohio, assignors to The Philip Carey Manufacturing Company. Reconstituted felt and manufacture of same. 2,236,900; Apr. 1.

Grettie, Donald P., Chicago, Ill. Shortening treatment. 2,236,569; Apr. 1.

Grieshaber, Emil, assignor to The Nordberg Manufacturing Company, Milwaukee, Wis. Solid injection engine. 2,236,821; Apr. 1.

Grigsby, Owen E., Park Ridge, Ill. Impact switch. 2,236,872; Apr. 1.

Grimditch, William H., Rydal, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Cathode ray tube vessel. 2,236,708; Apr. 1.

Grimes, Warren G., Urbana, Ohio. Airplane running light lamp. 2,237,072; Apr. 1.

Gromm, Alexander G., New York, N. Y. Decorating textiles. 2,237,179; Apr. 1.

Gross, Henry E., College Station, Tex., assignor to Standard Oil Development Company. Marine foundation and method of construction. 2,236,682; Apr. 1.

Gross, Walter E. (See Jelinek, A. F., and Gross.)

Gudge, Herbert, New York, N. Y. Flashlight fountain pen. 2,236,683; Apr. 1.

Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fluid pressure regulating apparatus. 2,236,999; Apr. 1.

Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Printing transparent material. 2,236,754; Apr. 1.

Gustaveson, David W., Bridgeport, Conn., assignor to General Electric Company. Hinge construction for cooking devices. 2,237,000; Apr. 1.

Hacklander, Hans, Linden, N. J., and G. Sauer, Berwyn, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,237,273; Apr. 1.

Hackmeyer, Ferdinand W., Mobile, Ala. Safety electrode holder for arc welding. 2,236,849; Apr. 1.

Hagemann, Edwin C., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductive device. 2,236,684; Apr. 1.

Hahn, Frederick C., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ethers. 2,236,533; Apr. 1.

Hahn, Clarence E., Euclid, and O. A. Boyer, East Cleveland, Ohio, assignors to General Electric Company. Thread forming apparatus. 2,237,180; Apr. 1.

Hahndorf, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Keying circuit. 2,237,101; Apr. 1.

Hailes, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Making relay contact structures. 2,237,274; Apr. 1.

Haibertsma's, N. V., Fabrieken voor Houtbewerking. (See Maurer, Gottfried, assignor.)

Hale, James E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire construction. 2,236,903; Apr. 1.

Hall, Elisha W., Scituate, Mass. Assembling elements of a buffing wheel. 2,236,901; Apr. 1.

Hall, Theodore O., Sunnyside, N. Y., assignor to J. E. McAuley Mfg. Co., Chicago, Ill. Clutch mechanism. 2,237,223; Apr. 1.

Haller, Theodore A., and J. A. Miner, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Resilient seal. 2,236,902; Apr. 1.

Hallman, Harold E., Catonsville, Md. Heat sealing device. 2,236,685; Apr. 1.

Ham, Garnet P. (See Barnes, R. B., Moore, and Ham.)

Hamer, Leland S., Long Beach, Calif. Flow controlling device. 2,236,873; Apr. 1.

Hanau Engineering Company. (See Franwick, Edmond J., assignor.)

Hansman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products Inc., Cleveland, Ohio. Fastening device. 2,236,850; Apr. 1.

Hanson, Roy E. H., assignor to Aktiebolaget Result, Stockholm, Sweden. Calculating machine. 2,236,640; Apr. 1.

Harbison-Walker Refractories Company. (See Robertson, Hugh S., assignor.)

Harris, Benjamin R. (See Cahn, F. J., and Harris.)

Harrison, Howard R., Upper Darby, Pa., assignor to General Electric Company. Spring mechanism for automatically operating switches. 2,237,001; Apr. 1.

Hart, Marjorie. (See Foley, John R., assignor.)

Hasche, Rudolph L., Kingsport, Tenn., assignor, by mesne assignments, to Wulff Process Company, Los Angeles, Calif. Manufacture of acetylene, including recycling. 2,236,534; Apr. 1.

Hasche, Rudolph L., Kingsport, Tenn., assignor, by mesne assignments, to Wulff Process Company, Los Angeles, Calif. Manufacture of acetylene. 2,236,535; Apr. 1.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,236,596; Apr. 1.

Haselton, Thomas S., Eustis, Fla. Milking system. 2,236,851; Apr. 1.

Hassall, John, Inc. (See Dinsmoor, John L., assignor.)

Hatch, Lloyd A., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Rubber base sheeted abrasive. 2,236,597; Apr. 1.

Hautzenroeder, Richard W., Mansfield, assignor to The Fate-Root-Heath Company, Plymouth, Ohio. Mowing machine. 2,236,598; Apr. 1.

Haux, Elmer H., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Increasing the sound absorption properties of cellular glass. 2,237,032; Apr. 1.

Hebel, Martin, Hechendorf-on-the-Pilsensee, Oberbayern, Germany. Telephone installation. 2,237,073; Apr. 1.

Heidrich, John, Los Angeles, Calif. Wire loop forming device. 2,236,503; Apr. 1.

Hempel, Herbert W. (See Marsh, W. C., and Hempel.)

Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Tension device for spinning twisting frames. 2,237,053; Apr. 1.

Hendrickson, Henry M., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Surface ornamentation. 2,236,904; Apr. 1.

Herr, Edward A., Philadelphia, Pa. Game apparatus. 2,236,729; Apr. 1.

Herrmann, Paul J., Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Cigarette manufacturing machine. 2,237,033; Apr. 1.

Herschmann, Emil M., New York, N. Y., assignor to Safeguard Rubber Products Corp. Stair carpet. 2,237,224; Apr. 1.

Hershey, Harry E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 2,236,822; Apr. 1.

Herty, Charles H., Jr., Bethlehem, Pa., assignor to Bethlehem Steel Company. Manufacture of steel. 2,236,504; Apr. 1.

Herzmark, Nicolas, Paris, France. Compressor. 2,236,853; Apr. 1.

Heuschmann, Hans, Berlin-Spandau, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Synchronous transmission system. 2,237,225; Apr. 1.

High, Thomas L., Miami, Fla. Roof construction. 2,237,226; Apr. 1.

Hill, Carmi, Ludlow, Mass. Staging. 2,236,774; Apr. 1.

Hillix, Foster F., Lakewood, Ohio, assignor to The American Steel and Wire Company of New Jersey. Abrading wheel. 2,236,709; Apr. 1.

Hilton, Robert W., assignor to M. W. Hilton, Bradford, Pa. Game. 2,236,536; Apr. 1.

Hilton, Margaret W. (See Hilton, Robert W., assignor.)

Hintze, Rudolf, Berlin-Charlottenburg, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes," Berlin, Germany. Evaporator for refrigerating apparatus of the compression type. 2,236,505; Apr. 1.

Hirsch, Albert W. H., Tampa, Fla. Shoelace holding device. 2,236,506; Apr. 1.

Hite, William B., Jr., Webster Groves, assignor to Schlueter Manufacturing Company, St. Louis, Mo. Mop pail. 2,236,570; Apr. 1.

Hobart Manufacturing Company, The. (See Brookhart, T. C., and Meeker, assignors.)

Hocking, Clarence D., Los Angeles, Calif. Automobile antiglare visor. 2,236,710; Apr. 1.

Hodge, Edward B., Terre Haute, Ind., and L. C. Swallen, Pekin, Ill., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Reactivation of nitration reaction vessels. 2,236,905; Apr. 1.

Hodge, Edward B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Reactivation of nitration reaction vessels. 2,236,906; Apr. 1.

Hoffman-La Roche Inc. (See Karrer, Paul, assignor.)

Hoffsommer, Walter, Astoria, N. Y. Hairspring bending apparatus. 2,236,907; Apr. 1.

Holo-Krome Screw Corporation, The. (See Purtell, William A., assignor.)

Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Watthour meter construction. 2,237,142; Apr. 1.

Hooper, William E., & Sons Company. (See Santos, John R. L., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Hosker, Clarence E., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Article of footwear. 2,237,181; Apr. 1.

Houlis, Louis D., Cincinnati, Ohio. Baking oven. 2,236,755; Apr. 1.

Houseman, Harold E., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,237,143; Apr. 1.

Houseman, Harold E., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,237,144; Apr. 1.

Houseman, Harold E., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,237,145; Apr. 1.

Hoyt, Frederick A., East Orange, N. J., and O. A. Shann, Bayside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector. 2,236,571; Apr. 1.

Huffman, Russell L., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Handle structure for sadirons and the like. 2,237,034; Apr. 1.

Huggins, Elmer, Corinth, Miss. Rodent trap. 2,237,227; Apr. 1.

Hughes, Everett C. (See Burk, R. E., and Hughes.)

Hughes, Grover A., assignor to Truscon Steel Company, Youngstown, Ohio. Multiple welder. 2,236,823; Apr. 1.

Hulsaver, Aaron S., Brooklyn, N. Y. Cushioned and vacuum mouthpiece for all brass musical instruments. 2,236,875; Apr. 1.

Hungerford, Warren H., Chicago, Ill. Baking tray and making it. 2,237,102; Apr. 1.

Hunsaker, Claude H., and J. B. Wheeler, University City, Mo. Equipment foundation of sectional type. 2,236,775; Apr. 1.

Hunt, Osben D. (See Coleman, R. H., and Hunt.)

Hutter, William H., Chicago, Ill. Pickup arm. 2,236,599; Apr. 1.

Hvam, Hjalmar, Portland, Oreg. Ski binding. 2,236,874; Apr. 1.

Hyde, Ralph A., Brookline, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Quarter unit and making it. 2,236,537; Apr. 1.

Iknayan, Alfred N., Indianapolis, Ind., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Method of mounting tires. 2,237,182; Apr. 1.

Imperial Chemical Industries Limited. (See Cliffe, Wilfrid H., assignor.)

Imperial Chemical Industries Limited. (See Coffey, S., and Lodge, assignors.)

Industrial Patents Corporation. (See Williams, B. E., and Cadwell, assignors.)

Ingersoll-Rand Company. (See Slater, Fred M., assignor.)

International Business Machines Corporation. (See Brand, Samuel, assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)

International Business Machines Corporation. (See Doty, Charles R., assignor.)

International Business Machines Corporation. (See Fitch, Clyde J., assignor.)

International Business Machines Corporation. (See Kölm, Ulrich M. W., assignor.)

International Business Machines Corporation. (See Neumann-Lezius, Hans, assignor.)

International Business Machines Corporation. (See Nichols, Harry J., assignor.)

International Business Machines Corporation. (See Scheerer, Walter, assignor.)

International Cigar Machinery Company. (See Broekhuysen, William C., assignor.)

International Projector Corporation. (See Kindelmann, Albert, assignor.)

Ireland, Murray, near Elgin, assignor to McGraw Electric Company, Chicago, Ill. Thermal timer for automatic toasters. 2,237,146; Apr. 1.

Ireland, Murray, near Elgin, assignor to McGraw Electric Company, Elgin, Ill. Timer control for waffle baker signal. 2,237,147; Apr. 1.

Iversen, Lorenz, and F. J. Waldschutz, assignors to Mesta Machine Company, Pittsburgh, Pa. Apparatus for supporting metal coils. 2,236,971; Apr. 1.

Jablon, Charles W., New York, N. Y. Apparatus for assembling Venetian blinds. 2,236,876; Apr. 1.

Jackman, George W. (See Graham, J. H., Jackman, Burton, and Candee.)

Jackson, Clifford C., assignor to Chrysler Corporation, Highland Park, Mich. Spring shackle. 2,236,686; Apr. 1.

Jackson, Wilbur, assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Movement amplifying snap action thermostat. 2,236,908; Apr. 1.

Jacobs, James M. H., Dayton, Ohio. Rotating glider. 2,236,877; Apr. 1.

Jacobs, Ralph, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Article of manufacture and method of making. 2,237,258; Apr. 1.

Jacuzzi Bros. Inc. (See Jacuzzi, Candido, assignor.)

Jacuzzi, Candido, Berkeley, Calif., assignor to Jacuzzi Bros. Inc. Pumping apparatus. 2,236,687; Apr. 1.

Jeffrey Manufacturing Company, The. (See Briggs, Robert E., assignor.)

Jelinek, Alfred F., and W. E. Gross, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio. Clutch operating mechanism for automatic screw machines. 2,237,183; Apr. 1.

Jensen, Donald G., Cincinnati, Ohio. Heating equipment. 2,237,054; Apr. 1.

Jobe, John J., Springfield, Ill. Marker. 2,237,228; Apr. 1.

Johanson, Magnus H., assignor to Gleason Works, Rochester, N. Y. Method and apparatus for cutting gears. 2,236,909; Apr. 1.

Johns-Manville Corporation. (See Jacobs, Ralph, assignor.)

Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Cigar lighter. 2,237,250; Apr. 1.

Johnson, Carl A., Thrall, Tex. Poison powder distributor. 2,237,229; Apr. 1.

Johnson, Emery, Emmett, Kans. Jack. 2,237,230; Apr. 1.

Johnson, Walter H., Candy Co. (See Mando, S. J., and Wilking, assignors.)

Johnston, Albert S., Smithfield, N. C. Fungicide. 2,236,540; Apr. 1.

Junkers Flugzeug-und-Motorenwerke A. G. (See Stärke, Bruno, assignor.)

Kalle & Co. Aktiengesellschaft. (See Sponsel, Kurt, assignor.)

Klimmel, Hugo E., Zella-Mehlis in Thuringia, assignor to Mercedes Büromaschinen-Werke Aktiengesellschaft, Benshausen, Thuringia, Postamt, Zella-Mehlis, Germany. Typewriting-calculating machine. 2,236,642; Apr. 1.

Kaniewski, Larry W. (See Minkow, I. H., and Kaniewski.)

Kaplan, Charles, Brooklyn, assignor to The National Pattern Co., Inc., New York, N. Y. Garment pattern. 2,236,715; Apr. 1.

Kaptuller, Alexander F., Chicago, assignor to Agnes Kuney, La Grange, Ill. Door stop. 2,237,148; Apr. 1.

Karmen, Bernardo H., Los Angeles, Calif. Food product and the processing thereof. 2,236,641; Apr. 1.

Karrer, Paul, Zurich, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. Sugar derivatives of 1,2-diamino-4,5-dimethyl-benzenes, and process for the manufacture of same. 2,237,074; Apr. 1.

Kliemann, Erwin, Klein-Machnow, near Berlin, Germany. Polarizing body. 2,236,972; Apr. 1.

Katzman, Morris. (See Epstein, A. K., and Katzman.)

Katzman, Morris B. (See Cahn, F. J., and Katzman.)

Katzman, Morris B., assignor to The Emulsol Corporation, Chicago, Ill. Preparation of sulphonic derivatives. 2,236,541; Apr. 1.

Keasbey & Mattison Company. (See Schuetz, Clyde C., assignor.)

Keller, Joseph F. (See Ungar, Gustave A., assignor.)

Kelley, George N., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Rake. 2,237,002; Apr. 1.

Kemp, Harold, Miami, Fla. Bedpan. 2,236,643; Apr. 1.

Kemper, Louis, assignor to Economy Faucet Co., Newark, N. J. Rotary pump. 2,237,075; Apr. 1.

Kenlit Mfg. Co. (See Meyer, Paul J., assignor.)

Kenney, Constance D., J. L. Driscoll, and F. Baier, New York, N. Y. Bath chair for invalids. 2,237,076; Apr. 1.

Keyes, Herbert C., Wheeling, W. Va. Watch attachment. 2,237,231; Apr. 1.

Kiesling, Le Roy H., Brooklyn, N. Y. Dumbwaiter biparting door coupling means. 2,237,232; Apr. 1.

Kilbury, Paul D., assignor of one-half to J. W. Billingsley, Newton, Iowa. Dehydrator. 2,236,711; Apr. 1.

Killefer Manufacturing Corporation. (See Mitchell, Rollie H., assignor.)

Kindelmann, Albert, Floral Park, assignor to International Projector Corporation, New York, N. Y. Actuating and adjusting means for a film gate assembly. 2,236,878; Apr. 1.

Kindt-Collins Co., The. (See Rimmel, Ira A., assignor.)

King, Douglas H., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 2,236,973; Apr. 1.

King, Frederick H., Detroit, Mich. Target member and ball thrower. 2,236,572; Apr. 1.

King, John L., assignor to C. R. Medley, Columbus, Ga. Self-lubricating ball bearing for the top rolls of card room drawing. 2,237,004; Apr. 1.

Kinkead, Fullerton S. (See Locke, G. A., and Kinkead.)

Kinkead, Robert S., St. Paul, Minn. Mower. 2,237,005; Apr. 1.

Kiltie, Ordean, Fort Wayne, Ind., assignor to General Electric Company. Vibrator current-converting system. 2,237,003; Apr. 1.

Kipper, Herman B., Acoord, Mass. Synthesis of chlorinated saturated and unsaturated hydrocarbon oils. 2,236,796; Apr. 1.

Klemm, Herman G., Kingsville, assignor to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,236,573; Apr. 1.

Klingman, Willard L. (See Wilson, R. F., and Klingman.)

Klinkicht, Albert E. (See Wheeler, Harry N., assignor.)

Knapp-Monarch Company. (See Braun, Gwilym S., assignor.)

Knapp-Monarch Company. (See Huffman, Russell L., assignor.)

Knapp-Monarch Company. (See Newnham, Eugene, assignor.)

Knez, August J., Chicago, assignor to McGraw Electric Company, Elgin, Ill. Electric heater for water tanks. 2,237,151; Apr. 1.

Knopp, Julius W., Toledo, assignor to La Verne Pettegrew, Cleveland, Ohio. Stringed musical instrument. 2,236,946; Apr. 1.

Knudsen, Percy E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Light screen for building constructions. 2,237,035; Apr. 1.

Koester, Heinrich, Berlin-Charlottenburg, and L. Mamoli, Berlin-Steglitz, and A. Vercellone, Milan, Italy, assignors to Schering Corporation, Bloomfield, N. J. Biochemical manufacture of ketosteroids. 2,236,574; Apr. 1.

Kögel, Wilhelm G., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,236,575; Apr. 1.

Koller, Lewis R., Schenectady, N. Y., assignor to General Electric Company. Electric hygrometer. 2,237,006; Apr. 1.

Kölm, Ulrich M. W., Berlin, Germany, assignor to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,237,149; Apr. 1.

Kölm, Ulrich M. W., Berlin-Lankwitz, Germany, assignor to International Business Machines Corporation, New York, N. Y. Dividing machine. 2,237,150; Apr. 1.

Koppen, Otto C., Newton, Mass., assignor, by mesne assignments, to General Aircraft Corporation, Dover, Del. Airplane wing. 2,237,275; Apr. 1.

Kosman, John. (See Brykczynski, C. S., and Kosman.)

Kotcher, Irwin, Brooklyn, N. Y. Cooling device. 2,236,644; Apr. 1.

Krase, Herbert J. (See Booth, C. F., and Krase.)

Kreidl, Ignaz, Cleveland, Ohio. Producing enamel, more particularly white clouded enamel. 2,236,852; Apr. 1.

Kreitz, Alfred F., Akron, Ohio. Pneumatic bumper. 2,236,507; Apr. 1.

Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Temperature measuring apparatus. 2,237,036; Apr. 1.

Kroll, Harold J. (See Beeman, L., and Kroll.)

Kropp, Willis A., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Hose tower. 2,236,824; Apr. 1.

Kucher, Andrew A., Dayton, Ohio. Refrigerating apparatus. 2,237,007; Apr. 1.

Kudrna, Benedikt, Vienna, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung," Berlin, Germany. Telephone system. 2,236,797; Apr. 1.

Kuenhold, Otto J., Shaker Heights, assignor to Monmouth Products Company, Cleveland, Ohio. Evaporator. 2,236,538; Apr. 1.

Kuhl, Charles C., South Bend, Ind. Bottle dispensing machine. 2,236,688; Apr. 1.

Kuna, Charles S., et al. (See Lyman, Albert K. B., assignor.)

Kuney, Agnes. (See Kaptuller, Alexander F., assignor.)

Kunkel, Victor V., Los Angeles, Calif. Mechanical movement. 2,236,756; Apr. 1.

Kunz, Anna, executrix. (See Tykociner, J. T., Garner, and Kunz.)

Kunz, Jakob. (See Tykociner, J. T., Garner, and Kunz.)

Kusche, Walter, Berlin-Steglitz, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Telephone system. 2,236,798; Apr. 1.

La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe and making same. 2,236,600; Apr. 1.

Lambert, Homer T., St. Joseph, Mich. Brake unit. 2,237,233; Apr. 1.

Lambert, Homer T., St. Joseph, Mich. Brake construction. 2,237,234; Apr. 1.

La Mont Corporation, The. (See Vorkauf, Heinrich, assignor.)

Landrock, Paul, and A. W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Feeding, severing, and controlling mechanism, for photographic copying machines. 2,236,712; Apr. 1.

Lane, Harold, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Pulling-over machine. 2,236,539; Apr. 1.

Larmour, James J., East Orange, assignor to Plastic Inlays, Inc., Summit, N. J. Inlaying articles. 2,237,152; Apr. 1.

Larson, Louis L. (See Maxwell, R. W., and Larson.)

Laxhly, Charles E. (See Vigue, William J., assignor.)

Lauck, Friedrich, Berlin-Spandau, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Repeating device. 2,237,077; Apr. 1.

Lee Rubber and Tire Corporation. (See Brill, Abraham, assignor.)

Le Goff, Lucien J. A., assignor to Societe d'Electricite Mors, Clichy, Seine, France. Electric relay. 2,236,947; Apr. 1.

Lehmann, J. M. (See Wiemer, Kurt, assignor.)

Leiter, Harry H. (See Longfellow, Earl E., assignor.)

Lemire, Henri. (See Lemire, Joseph, H., and R.)

Lemire, Joseph, H., and R., assignors of one-half to N. Boisvert, Drummondville, Quebec, Canada. Control device for electric alarms. 2,236,689; Apr. 1.

Lemire, Rodolphe. (See Lemire, Joseph, H., and R.)

Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Alloy. 2,237,184; Apr. 1.

Lesage, Alfred, Schweinfurt, Germany. Spreadable brake body particularly adapted for bicycle hubs. 2,236,508; Apr. 1.

Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Starting and stopping mechanism. 2,237,185; Apr. 1.

Levy, Harry, assignor to Warner Bros. Pictures, Inc., New York, N. Y. Carbon economizing means for electric arc apparatus. 2,236,799; Apr. 1.

Lévy, Jacques, Paris, France. Telephonic system. 2,236,645; Apr. 1.

Lewando, Felix J. (See Muros, J., and Lewando.)

Lex, Joseph R., assignor to General Motors Corporation, Detroit, Mich. Gang spot welder. 2,237,103; Apr. 1.

Lilly, Eli, and Company. (See Shonle, Horace A., assignor.)

Lilly, Thomas F., Memphis, Tenn. Ice picking and grading machine. 2,237,078; Apr. 1.

Lincoln, Bert H. (See Davis, L. L., Davis, and Byrkit.)

Lincoln, Bert H., G. D. Byrkit, and W. L. Steiner, assignors to Continental Oil Company, Ponca City, Okla. Synthetic lubricant. 2,236,910; Apr. 1.

Lindbladh Corporation. (See Clarke, C. E., Duffy, and Cloutier, assignors.)

Lines, Sterling C., assignor to Pipe Protection, Inc., Los Angeles, Calif. Concrete pipe coating machine and method. 2,236,757; Apr. 1.

Lissauer, Adolph W., assignor to Louisville Drying Machinery Company, Louisville, Ky. Treating distillery wastes. 2,236,800; Apr. 1.

Little, John H., assignor to General Motors Corporation, Detroit, Mich. Horn ring. 2,237,055; Apr. 1.

Littlefield, Verne D., Beverly Hills, Calif., and N. C. Fischer, Springfield, Mo., assignors to Armour and Company, Chicago, Ill. Treating egg whites. 2,237,087; Apr. 1.

Littwin, Leo F., Chicago, Ill. Temperature control apparatus. 2,236,624; Apr. 1.

Livingston, Norman F., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Composite pigment and manufacture thereof. 2,237,104; Apr. 1.

Locke, George A., Glenwood, and F. S. Kinkead, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph exchange system. 2,237,154; Apr. 1.

Locomotive Finished Material Company. (See Muchnic, Henry E., assignor.)

Lodge, Frank. (See Coffey, S., and Lodge.)

Lodge, Oscar, Lisbon, Ohio. Combination window shade, curtain, and drapery support. 2,237,079; Apr. 1.

Loebner, William, New York, N. Y. Sanitary toilet seat raiser. 2,236,576; Apr. 1.

Long, Bernard, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Coated glass articles and manufacturing the same. 2,236,911; Apr. 1.

Long, Thomas A., Hammond, Ind. Can opener. 2,236,974; Apr. 1.

Longfellow, Earl E., assignor to Harry H. Leiter, Warsaw, Ind. Surgical finger splint. 2,237,251; Apr. 1.

Longfellow, Earl E., assignor to Harry Herschel Leiter, Warsaw, Ind. Surgical arm rest and support therefor. 2,237,252; Apr. 1.

Louisville Drying Machinery Company. (See Lissauer, Adolph W., assignor.)

Ludwig, Arnold E., Asbury Park, N. J. Brake. 2,236,776; Apr. 1.

Ludwig, Arnold E., Asbury Park, N. J. Brake. 2,236,777; Apr. 1.

Lukaszewski, Joseph, Hammond, Ind. Car door construction. 2,236,912; Apr. 1.

Lukens, Clarence D., St. Louis, Mo. Surgical suture. 2,236,542; Apr. 1.

Lumsden, Andrew J., Needham, Mass. Elastic fabric. 2,236,758; Apr. 1.

Lyman, Albert K. B., Newton Center, assignor of one-third to E. M. Major, Newton, Mass., and one-third to C. S. Kuna, Floral Park, N. Y. Compacting soil. 2,236,759; Apr. 1.

Lynam, Thornton L., New Bedford, Mass. Making leather sheets. 2,237,235; Apr. 1.

Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparing cellular glass. 2,237,037; Apr. 1.

MacAndrews & Forbes Company. (See Piquet, Henry W., assignor.)

MacBlane, James, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Safety guard for punch presses. 2,236,730; Apr. 1.

Major, Earl M., et al. (See Lyman, Albert K. B., assignor.)

Malis, Morris M., Atlantic City, N. J. Pen and pencil clip and the like. 2,237,155; Apr. 1.

Malloy, Frank J., Cleveland Heights, Ohio, assignor to General Electric Company. Sealing apparatus. 2,237,186; Apr. 1.

Mamoli, Luigi. (See Koester, H., Mamoli, and Vercellone.)

Manderfeld, Emanuel C., Los Angeles, Calif., assignor to Electrical Research Products, Inc., New York, N. Y. Optical mounting. 2,236,509; Apr. 1.

Mando, Samuel J., and E. Wilking, assignors to Walter H. Johnson Candy Co., Chicago, Ill. Display tray. 2,237,276; Apr. 1.

Manning, William H., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Spring suspension. 2,237,056; Apr. 1.

Mantilla, Carlos, New York, N. Y. Trouble detector and electrical contactor through insulated conductors. 2,237,187; Apr. 1.

Mapes Consolidated Manufacturing Company. (See De Reamer, William J., assignor.)

Marchand, Eugene W., Jr. (See Zinkil, R. H., and Marchand.)

Mares, Joseph R., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Production of aromatic sulphonamides. 2,236,825; Apr. 1.

Marland, Arthur, Norristown, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Galvanizing substantially closed containers. 2,237,259; Apr. 1.

Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Speed correction for multiplex telegraph and facsimile systems. 2,237,156; Apr. 1.

Matthews, Henry R., Santa Monica, Calif. Bolt. 2,237,236; Apr. 1.

Maurer, J. A., Inc. (See Blumenfeld, Alexander S., assignor.)

Marsh Stencil Machine Company. (See Marsh, W. C., and Hempel, assignors.)

Marsh, Walton C., and H. W. Hempel, assignors to Marsh Stencil Machine Company, Belleville, Ill. Valve for stencil brushes. 2,236,625; Apr. 1.

Martin, Glenn L., Company, The. (See Klemm, Herman G., assignor.)

Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative impedance circuit. 2,236,690; Apr. 1.

Mathisen, Anders, Osterley, Isleworth, and H. M. Salmond, Fareham, assignors to Graviner Manufacturing Company Limited, High Holborn, London, England. Heat responsive control system. 2,236,958; Apr. 1.

Mathisen, Anders. (See Salmond, H. M., and Mathisen.)

Maurer, Gottfried, assignor to N. V. Halbertsma's Fabrieken voor Houtbewerking, Grouw, Friesland, Netherlands. Plywood. 2,236,948; Apr. 1.

Maxant Button and Supply Company. (See McDonough, Lawrence E., assignor.)

Maxwell, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Xanthating cellulose ethers. 2,236,544; Apr. 1.

Maxwell, Robert W., Wilmington, and L. L. Larson, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose glycolic acid. 2,236,545; Apr. 1.

Maybach, Karl, C. Böttner, E. Glücker, and G. Meyer, assignors to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany. Control mechanism for power operated gear shifting apparatus. 2,236,646; Apr. 1.

Maybach-Motorenbau G. m. b. H. (See Maybach, K., Böttner, Glücker, and Meyer, assignors.)

Maynes, Emma C. (See Maynes, Hyla F., assignor.)

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Knockdown support. 2,236,826; Apr. 1.

McAdams, Joseph E., assignor to The Steel Products Engineering Company, Springfield, Ohio. Combustion apparatus. 2,236,601; Apr. 1.

McArthur, Donnid A. (See Wean, R. J., and McArthur.)

McAuley, J. E., Mfg. Co. (See Hall, Theodore O., assignor.)

McClelland, Joseph C., Oklahoma City, Okla. Folding back with seat. 2,237,188; Apr. 1.

McClelland, Mott W. (See Sloan, William H., assignor.)

McCollum, Henry J. De N., Evanston, and T. F. Spackman, Chicago, Ill. Automobile heater. 2,236,789; Apr. 1.

McCormack, Ralph D., and K. T. Orrison, Washington, D. C. Ice dispenser. 2,237,189; Apr. 1.

McCormick, Elmer, assignor to John Deere Tractor Company, Waterloo, Iowa. Governor control mechanism. 2,236,803; Apr. 1.

McCoy, Verl E., La Grange, and H. H. Richardson, Western Springs, Ill. Steam purifier and skimmer. 2,237,157; Apr. 1.

McDonald, Albert P., Louisville, Ky. Vitreous clay conduit rest section. 2,236,801; Apr. 1.

McDonald, Albert P., Louisville, Ky. Vitreous clay conduit section. 2,236,802; Apr. 1.

McDonald, Eugene F., Jr., Chicago, Ill. Portable radio receiver. 2,237,260; Apr. 1.

McDonnell, Everett N., et al. (See Carlson, Oscar F., assignor.)

McDonough, Lawrence E., Park Ridge, assignor to Maxant Button and Supply Company, Chicago, Ill. Buckle making kit and process. 2,237,158; Apr. 1.

McFaddan, Norman F., assignor of one-third to H. I. Thomas and one-third to L. T. Mullen, both of Los Angeles, Calif. Remote registering compass. 2,236,543; Apr. 1.

McGee, George R. (See Worthington, J. B., and McGee.)

McGill, Franklin C., Point Pleasant, N. J. Cake and pie piecer. 2,236,626; Apr. 1.

McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,237,261; Apr. 1.

McGraw Electric Company. (See Aske, Leonard E., assignor.)

McGraw Electric Company. (See Gomersall, John R., assignor.)

McGraw Electric Company. (See Ireland, Murray, assignor.)

McGraw Electric Company. (See Knez, August J., assignor.)

McGraw Electric Company. (See Osterheld, Clark M., assignor.)

McIlvaine, Oran T., Geneva, Ill. Electronic tube. 2,236,647; Apr. 1.

McKinney, John E. (See Bechtold, I. C., and McKinney.)

McLeod, Angus, Hanapepe, Territory of Hawaii. Inner sole. 2,237,190; Apr. 1.

McMahan, William W. (See Zimmerman, C. H., and McMahan.)

McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Control system. 2,237,008; Apr. 1.

McWhirter, Earl J., Seattle, Wash. Toothbrush and head. 2,236,627; Apr. 1.

Medley, C. R. (See King, John L., assignor.)

Meeker, David A. (See Brookhart, T. C., and Meeker.)

Meinzer, Carl F., Chicago, Ill., assignor to W. L. Caldwell, Birmingham, Ala. Method and apparatus for forming granulated slag masses. 2,236,691; Apr. 1.

Melhose, Alfred E. (See Curtis, A. M., and Melhose.)

Mercedes Büromaschinen-Werke Aktiengesellschaft. (See Kimmel, Hugo E., assignor.)

Merrill, Patterson D., assignor to M. B. Skinner Co., South Bend, Ind. Welding patch clamp. 2,236,913; Apr. 1.

Mesta Machine Company. (See Iversen, L., and Waldschutz, assignors.)

Metzger, Reinhardt F., Glendale, N. Y. Apparatus for grinding lenses. 2,236,713; Apr. 1.

Metzger, Reinhardt F., Glendale, N. Y. Apparatus for grinding lenses. 2,236,714; Apr. 1.

Meyer, Gustav. (See Maybach, K., Bottner, Glucker, and Meyer.)

Meyer, Paul J., Chicago, Ill., assignor to Kenlit Mfg. Co., Medford, Mass. Back pad and tie for infants' chairs. 2,237,057; Apr. 1.

Meyercord Company, The. (See Poschel, Alfred B., assignor.)

Micro Switch Corporation. (See Fry, Virgil H., assignor.)

Micro Switch Corporation. (See Riche, Arthur L., assignor.)

Miessner, Benjamin F., Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc. Apparatus for the production of music. 2,237,105; Apr. 1.

Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)

Miller, Edwin A., New Haven, Conn. Permanent axial fastening means for interfitting driven assemblies. 2,236,804; Apr. 1.

Miller, Ernest M., Excelsior, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety switch. 2,237,262; Apr. 1.

Mills, James M., Helena, Mont., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Propeller. 2,237,191; Apr. 1.

Miner, John A. (See Haller, T. A., and Miner.)

Miner, W. H., Inc. (See Dwyer, William M., assignor.)

Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)

Minkow, Irving H., and L. W. Kaniewski, South Bend, Ind. Fluid container cap lock. 2,237,192; Apr. 1.

Minneapolis-Honeywell Regulator Company. (See Denison, Frederick S., assignor.)

Minneapolis-Honeywell Regulator Company. (See Fisher, George H., assignor.)

Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Miller, Ernest M., assignor.)

Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)

Minneapolis-Honeywell Regulator Company. (See Scoggin, E. K., and Denison, assignors.)

Minneapolis-Honeywell Regulator Company. (See Soderholm, Lauren V., assignor.)

Minneapolis Linen Supply Company. (See Parks, Charles G., assignor.)

Minert, Theodore R., Milwaukee, Wis. Highway barrier. 2,237,106; Apr. 1.

Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)

Minnesota Mining & Manufacturing Company. (See Hatch, Lloyd A., assignor.)

Mitchell, Bernard A., Chicago, Ill. Bed lamp. 2,236,778; Apr. 1.

Mitchell, James A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heat sealable moistureproofing composition. 2,236,546; Apr. 1.

Mitchell, Rollie H., Huntington Park, assignor to Killefer Manufacturing Corporation, Los Angeles, Calif. Disk harrow. 2,237,009; Apr. 1.

Mobsby, Eric G. H., assignor to Ralph Chivas Gully Slasenger, London, England. Detection of objects by electromagnetic rays. 2,237,193; Apr. 1.

Moiola, Giovanni, Rome, Italy. Tachymetric compass. 2,236,949; Apr. 1.

Moir, Harry L. (See Backoff, W. J., Williams, O'Loughlin, Moir and Yule.)

Mollet, Léon, Asnieres, assignor to Societe Anonyme des Usines Chausson, Asnieres, Seine, France. Vehicle door. 2,236,827; Apr. 1.

Monfils, Napoléon A., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Grooving machine. 2,236,547; Apr. 1.

Monmouth Products Company. (See Kuenhold, Otto J., assignor.)

Monsanto Chemical Company. (See Booth, C. F., and Krase, assignors.)

Monsanto Chemical Company. (See Mares, Joseph R., assignor.)

Montgomery, John A. (See Friend, R. O., Montgomery, and Schaller.)

Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Fluid pressure control apparatus. 2,237,038; Apr. 1.

Moore, Leonard P. (See Barnes, R. B., Moore, and Ham.)

Morgan Construction Company. (See O'Malley, Joseph M., assignor.)

Morris, Cyril, New Rochelle, N. Y. Signaling apparatus. 2,236,879; Apr. 1.

Morris, Morgan J. R., Massillon, assignor to Republic Steele Corporation, Cleveland, Ohio. Steel containing tellurium. 2,236,716; Apr. 1.

Morris Paper Mills. (See Arneson, Lawrence E., assignor.)

Morse, Leland R., Chicago, Ill. Protective package. 2,236,577; Apr. 1.

Morton, Brayton, trustee. (See Carter, William W., assignor.)

Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Piston ring assembly. 2,237,010; Apr. 1.

Mullen, Lee T., et al. (See McFadden, Norman F.)

Muller, J. C., N. V. (See Herrmann, Paul J., assignor.)

Muller, J. C., N. V. (See Röber, C. F., and Röthig, assignors.)

Müller, Otto, Frankfort-on-the-Main, Germany. Sole for orthopedic footwear. 2,236,779; Apr. 1.

Müller, Wolf J., and M. Niessner, Vienna, Germany, assignors, by mesne assignments, to Aktiengesellschaft Dynamit Nobel, Pressburg, Slovakia. Copper-zinc alloys. 2,236,975; Apr. 1.
Muncie, Fred W., New Brunswick, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Dental cream. 2,236,828; Apr. 1.
Muros, Joseph, Cambridge, and F. J. Lewando, South Boston, assignors to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,236,760; Apr. 1.
Muse, Paschal, assignor of one-half to C. D. Tounsley, Perry, Ga. Store furniture. 2,237,080; Apr. 1.
Musil, Josef, and H. Ast, Vienna, Austria. Machining of nonprismatic workpieces. 2,236,829; Apr. 1.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-taker mechanism for sewing machines. 2,236,830; Apr. 1.
Nagel, Kurt, J. Selb, L. Scheffer, and K. Werner, Mainz-Mombach, Germany, assignors, by mesne assignments, to Chemical Marketing Company, Inc., New York, N. Y. Production of foils or films of cellulose triacetate. 2,236,648; Apr. 1.
National Lead Company. (See Behr, Gustave E., assignor.)
National Pattern Co. (See Kaplan, Charles, assignor.)
National Pneumatic Company. (See Parvin, Edward G., assignor.)
Neff, Paul W., New Kensington, Pa. Transmission. 2,237,159; Apr. 1.
Neidich, Samuel A., Ventnor, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Ink for carbon paper. 2,236,602; Apr. 1.
Neil, Jesse R., Los Gatos, Calif. Apparatus for producing sugar-impregnated fruit products. 2,236,692; Apr. 1.
Nellis, Carl D. (See Gillian, J. L., and Nellis.)
Nelson, Charles E., assignor to The Dow Chemical Company, Midland, Mich. Alloying calcium with magnesium. 2,236,831; Apr. 1.
Nelson, Victor B., Rockford, Ill. Fishing rod handle. 2,236,603; Apr. 1.
Nessell, Clarence W., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,236,914; Apr. 1.
Neumann-Lezius, Hans, Berlin-Lankwitz, Germany, assignor to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,237,153; Apr. 1.
Newhall, Benjamin G., Forest Park, Ill. Liquid cooler. 2,237,107; Apr. 1.
Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method of and machine for folding. 2,236,604; Apr. 1.
Newman, Solomon, New York, N. Y. Trousers. 2,236,693; Apr. 1.
Newnham, Eugene, assignor to Knapp-Monarch Company, St. Louis, Mo. Fan structure. 2,237,039; Apr. 1.
Nichols, Harry J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Intermittent motion mechanism. 2,237,108; Apr. 1.
Nichols, Joe E., Coalinga, Calif. Well fishing tool. 2,236,761; Apr. 1.
Nickels, Albert, Baltimore, Md. Can closing machine. 2,237,109; Apr. 1.
Nielsen, Alfred, Defiance, Iowa. Cultivator dammer. 2,236,832; Apr. 1.
Niessner, Moritz. (See Müller, W. J., and Niessner.)
Niles-Bement-Pond Company. (See Rusnak, John M., assignor.)
Noack, William A., Los Angeles, Calif. Ironing board support. 2,236,717; Apr. 1.
Noblett-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
Nolt, Edwin B., Farmersville, Pa. Baling material. 2,236,628; Apr. 1.
Nordberg Manufacturing Company, The. (See Grieshaber, Emil, assignor.)
Norton, Fred, assignor to The Ohio Oil Company, Findlay, Ohio. Lubricating composition. 2,236,915; Apr. 1.
Nutt, William H., Beverly, Mass. Apparatus for handling and decorating articles. 2,237,058; Apr. 1.
N. V. Philips' Gloeilampenfabrieken. (See van Overbeek, Adrianus J. W. M., assignor.)
N. V. Radiofabriek-en Ingenieursbureau voorheen van der Heem & Bloemsma. (See van der Heem, Leonardus W., assignor.)
Oberly, Chester C., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Dispensing device. 2,236,731; Apr. 1.
Oberhoffken, Alexander, Southfield Township, Okland County, assignor to The American Forging & Socket Company, Pontiac, Mich. Operating lever mechanism. 2,236,732; Apr. 1.
Ocenasek, William F., assignor to Walker-Turner Co., Inc., Plainfield, N. J. Inertia eliminator. 2,236,854; Apr. 1.
Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Harrow. 2,236,780; Apr. 1.
Ohio Oil Company, The. (See Norton, Fred, assignor.)
Ohnmacht, Bernard E., La Fayette, Ind. Decoy. 2,237,194; Apr. 1.
O'Loughlin, John F. (See Backoff, W. J., Williams, O'Loughlin, Moir, and Yule.)
O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Handling of rod bundles or the like. 2,237,160; Apr. 1.
Oppenheimer, Klee, New York, N. Y. Article of apparel. 2,236,694; Apr. 1.
Orrison, Kelvin T. (See McCormack, R. D., and Orrison.)
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Tank water heater. 2,237,110; Apr. 1.
Ottofy, Frank B., St. Louis, Mo. Spark plug and engine cooler. 2,236,762; Apr. 1.
Owens Smokeless Orchard Heater, Incorporated. (See Owens, Walter W., assignor.)
Owens, Walter W., assignor to Owens Smokeless Orchard Heater, Incorporated, Hollywood, Calif. Cooker and heater. 2,237,081; Apr. 1.
Ozouf, Arthur E., assignor to The Allbright-Nell Co., Chicago, Ill. Carcass dipping apparatus. 2,236,605; Apr. 1.
Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Sectional edge molding for composite furniture top construction. 2,236,855; Apr. 1.
Palmer Company, The. (See Bruns, Anthony C., assignor.)
Palnut Company, The. (See Beggs, Alan H., assignor.)
Pannier, Karl A., Salt Lake City, Utah. Fly tying vise. 2,236,781; Apr. 1.
Parker, Louis W., assignor, by mesne assignments, to C. T. Allen, New York, N. Y. Television apparatus. 2,236,578; Apr. 1.
Parker, Ross E., Toledo, Ohio. Fluid rectifier. 2,236,629; Apr. 1.
Parker Rust-Proof Company. (See Darsey, V. M., Thompson and Goodspeed, assignors.)
Parks, Charles G., Chicago, Ill., assignor to Minneapolis Linen Supply Company, Minneapolis, Minn. Pocket structure. 2,237,111; Apr. 1.
Parva Products Company. (See White, Paul W., assignor.)
Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Reeling mechanism. 2,237,112; Apr. 1.
Parvu, John. (See Parvu, Justin, and J.)
Parvu, Justin, and J. Parvu, Sioux City, Iowa. Dispensing fork. 2,236,606; Apr. 1.
Pasternack, Richard, Brooklyn, and E. V. Brown, Jamaica, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Preparing aldehydo acylated ribose, and product thereof. 2,237,263; Apr. 1.
Patentverwertungs-Gesellschaft mit beschrankter Haftung. (See Hintze, Rudolf, assignor.)
Pateras Pescara, Raul, Paris, France. Power plant. 2,237,082; Apr. 1.
Paul, Bryan B. (See Sandin, J., and Paul.)
Pell, Phil S., and A. F. Wallace, Honolulu, Territory of Hawaii. Cable and structural shape cutter. 2,236,833; Apr. 1.
Penick, Dixon B., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,236,856; Apr. 1.
Pennsylvania Refining Company. (See Beck, John A., Jr., assignor.)
Penweld Corporation. (See Watson, Glenn W., assignor.)
Perfect Circle Company, The. (See Given, Fred H., assignor.)
Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)
Perry, Oliver A., Los Angeles, Calif. Voltage regulator. 2,236,880; Apr. 1.
Peterman, Theodore A., Tacoma, Wash. Vehicle support. 2,236,695; Apr. 1.
Peterman, Theodore A., Tacoma, Wash. Vehicle drive. 2,236,696; Apr. 1.
Peters, Leo R., East Cleveland, Ohio, assignor to General Electric Company. Thermal switch. 2,236,697; Apr. 1.
Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Forming pipe cutter wheels. 2,237,088; Apr. 1.
Peterson, Edward T., Reading, Pa. Three-high mill housing. 2,237,040; Apr. 1.
Peterson, Johann G., West Hartford, Conn. Electric switch. 2,236,763; Apr. 1.
Peterson, Johann G., West Hartford, Conn. Cord grip clip. 2,236,764; Apr. 1.
Pettegrew, La Verne. (See Knopp, Julius W., assignor.)
Petty, Earl, Hempstead, N. Y., assignor, by mesne assignments, to Sun Oil Company, Philadelphia, Pa. Dewaxing hydrocarbon oils. 2,236,765; Apr. 1.
Pfizer, Charles, & Company. (See Pasternack, R., and Brown, assignors.)
Philco Radio and Television Corporation. (See Campbell, Richard L., assignor.)
Philco Radio and Television Corporation. (See Grimditch, William H., assignor.)
Phinney, Edgar E., West Orange, assignor to Defiance Manufacturing Corporation, Orange, N. J. Computing machine. 2,237,089; Apr. 1.
Photostat Corporation. (See Landrock, P., and Caps, assignors.)

Pickens, James H., Houston, Tex. Filling device. 2,236,834; Apr. 1.
Pieth, Peter. (See Straub, F., and Pieth.)
Pinckard, Paul M., Battle Creek, Mich. By-product coke oven and apparatus for operation of the same. 2,236,782; Apr. 1.
Pipe Protection, Inc. (See Lines, Sterling C., assignor.)
Piquet, Henry W., Moorestown, assignor to MacAndrews & Forbes Company, Camden, N. J. Plaster baseboard. 2,237,195; Apr. 1.
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,236,608; Apr. 1.
Pittsburgh Plate Glass Company. (See Haux, Elmer H., assignor.)
Pittsburgh Plate Glass Company. (See Knudsen, Percy E., assignor.)
Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
Pittsburgh Plate Glass Company. (See Truby, Harry A., assignor.)
Plaisted, Frank H., et al. (See Plaisted, Ralph D., assignor.)
Plaisted, Ralph D., Los Angeles, Calif., assignor of one-third to R. S. Plaisted, and one-third to F. H. Plaisted, both of Los Angeles, Calif. Ink fountain conversion device for printing presses. 2,236,805; Apr. 1.
Plaisted, Ralph S., et al. (See Plaisted, Ralph D., assignor.)
Plastic Inlays, Inc. (See Larmour, James J., assignor.)
Plumb, Frederic W., West Reading, Pa. Two-cycle opposed-piston Diesel engine. 2,237,113; Apr. 1.
Pneumatic Co. (See Stone, Allen L., assignor.)
Pneumatic Scale Corporation. (See Anderson, Gustaf W., assignor.)
Pokorny, Ernst A., London, England, assignor to "Electrometal" Societe Anonyme, Luxemburg. Simultaneous production of magnesium anl low carbon ferroalloys. 2,237,011; Apr. 1.
Polk Development Company, The. (See Polk, Ralph, Sr., and Ralph, Jr., assignors.)
Polk, Ralph, Jr. (See Polk, Ralph, Sr., and Ralph, Jr.)
Polk, Ralph, Sr., Tampa, and R. Polk, Jr., Haines City, assignors to The Polk Development Company, Tampa, Fla. Fruit segmenter and juicer. 2,236,916; Apr. 1.
Pollock, Gordon B., Los Angeles, Calif. Film spool magazine for roll film photographic cameras. 2,236,917; Apr. 1.
Pomieraniec, Israel, assignor to Transplanters Holding Company Limited, London, England. Gripper operating mechanism for transplanting machines. 2,237,196; Apr. 1.
Pomieraniec, Israel, assignor to Transplanters Holding Company Limited, London, England. Plant gripper chain for transplanting machines. 2,237,197; Apr. 1.
Pomona Pump Company. (See Schott, Rudolph D., assignor.)
Pope, Walter E., Port Dickinson, N. Y. Box forming machine. 2,236,835; Apr. 1.
Poschel, Alfred B., Chicago, Ill., assignor to The Meyercord Company. Decorative article and coating for producing the same. 2,236,718; Apr. 1.
Potter, Sydney W., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Breast flap press. 2,236,613; Apr. 1.
Powers Accounting Machines Limited. (See Baldwin, Richard E., assignor.)
Prest-O-Lite Storage Battery Corporation. (See Wilson, Harland D., assignor.)
Price, Harold W., assignor to Bendix Products Corporation, South Bend, Ind. Gear shifting mechanism. 2,237,264; Apr. 1.
Priest, Joseph K., assignor to American Shearer Mfg. Co., Nashua, N. H. Hair clipper. 2,236,918; Apr. 1.
Proctor, John R., assignor to Atlas Steel Barrel Corporation, Bayonne, N. J. Clamping ring. 2,236,649; Apr. 1.
Prouty, William B., Evanston, Ill. Material disintegrating and air classifying system. 2,236,548; Apr. 1.
Prutton, Carl F., Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Lining well bores. 2,236,836; Apr. 1.
Pujol, Albert J., Astoria, Long Island, assignor to Cartier, Inc., New York, N. Y. Combination watch and protector. 2,236,650; Apr. 1.
Pure Oil Company, The. (See Backoff, W. J., Williams, O'Laughlin, Moir, and Yule, assignors.)
Pure Oil Company, The. (See Carr, Richard H., assignor.)
Purtell, William A., West Hartford, Conn., assignor to The Holo-Krome Screw Corporation. Method of and apparatus for making socketed screws. 2,236,733; Apr. 1.
Quaker Manufacturing Company. (See Schreuder, Arthur N., assignor.)
Quinn, Edward, Malden, Mass., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y. Method of and machine for molding soles. 2,236,607; Apr. 1.
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Blain, Albert, assignor.)
Radio Corporation of America. (See Mathes, Richard E., assignor.)
Radio Corporation of America. (See Teves, Marten, C., assignor.)
Radio Corporation of America. (See Vandegrift, Roland B., assignor.)
Radio Corporation of America. (See Widell, Emil G., assignor.)
Raes, Oscar M. (See Breer, C., and Raes.)
Railton, Claude, Johannesburg, Transvaal, Union of South Africa. Device for dosing flush systems. 2,236,857; Apr. 1.
Ray, William R., Glendale, Calif. Pilot generator. 2,236,609; Apr. 1.
Raymond, Harold E., New Orleans, La. Building construction. 2,237,198; Apr. 1.
Read, Everett C., assignor to The Filer & Stowell Co., Milwaukee, Wis. Valve. 2,237,114; Apr. 1.
Reconstruction Finance Corporation. (See Sutton, H. M., and Wood, assignors.)
Rector, Louis J. L., Vienna, Va. Combined insect trap and traffic light. 2,236,698; Apr. 1.
Reda Pump Company. (See Arutunoff, Armais, assignor.)
Reed, Daniel E., assignor to Yankee Metal Products Corp., Norwalk, Conn. Mounting for rear-view mirrors and the like. 2,237,282; Apr. 1.
Reed Manufacturing Company. (See Petersen, Thorvald, assignor.)
Reese, Lewis P. (See Bower, R., Reese, and Wahl.)
Reid, James S., Shaker Heights, assignor to The Standard Products Company, Cleveland, Ohio. Sealing strip. 2,237,059; Apr. 1.
Rennie, Ivie H., West Medford, and H. A. Williams, Wakefield, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Shoe repair press. 2,237,161; Apr. 1.
Republic Steel Corporation. (See Darner, F. M., and Shryock, assignors.)
Republic Steel Corporation. (See Morris, Morgan J. R., assignor.)
Revere Copper and Brass Incorporated. (See Wilkins, Richard A., assignor.)
Reynhart, Arthur F. A., Beverwijk, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of polyhydric alcohols and derivatives thereof. 2,236,919; Apr. 1.
Reynolds, Edward F., Flint, assignor to General Motors Corporation, Detroit, Mich. Hood fastener mechanism. 2,237,060; Apr. 1.
Ricardo, Harry R., London, England. Two-stroke internal combustion engine operating with compression ignition. 2,236,950; Apr. 1.
Richardson, Homer H. (See McCoy, V. E., and Richardson.)
Riche, Arthur L., assignor to Micro Switch Corporation, Freeport, Ill. Snap switch. 2,236,699; Apr. 1.
Riggen, Theodore K., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Chronograph. 2,236,719; Apr. 1.
Rimmel, Ira A., assignor to The Kindt-Collins Co., Lakewood, Ohio. Glue pot. 2,236,837; Apr. 1.
Rippere, Robert O. (See Cesareo, O., and Rippere.)
Rising Sun State Bank, administrator. (See Whitlock, John W.)
Röber, Constantin F., and E. Röthig, Dresden, Germany, assignors, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Cigar making machine. 2,236,651; Apr. 1.
Robert, Roger, Boulogne-sur-Seine, France. Lateral control for airplanes. 2,236,838; Apr. 1.
Robertson, Hugh S., Coraopolis, assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Open hearth furnace roof. 2,236,920; Apr. 1.
Robinson, Allan, Roxbury, Mass. Bottle cap. 2,237,162; Apr. 1.
Rock, John B., Lake Luzerne, N. Y. Article of furniture. 2,236,951; Apr. 1.
Ronning, Adolph, Minneapolis, Minn. Cultivator. 2,236,630; Apr. 1.
Ronning, Adolph, Minneapolis, Minn. Vehicle wheel suspension. 2,236,734; Apr. 1.
Rosenberg, Ralph H., assignor to Detroit Duo-Grip Brake Company, Detroit, Mich. Shackle arm construction. 2,237,163; Apr. 1.
Rosenberg, Ralph H., assignor to Detroit Duo-Grip Brake Company, Detroit, Mich. Air cooling device for brakes. 2,237,164; Apr. 1.
Rosenblad, Curt F., Stockholm, Sweden, assignor, by mesne assignments, to American Heat Reclaiming Corporation, New York, N. Y. Making heat exchangers. 2,236,976; Apr. 1.
Rosnell, John E., Bound Brook, N. J., and J. A. Triska, Great Neck, assignors to The Texas Company, New York, N. Y. Lubricating system. 2,237,253; Apr. 1.
Röthig, Ernst. (See Röber, C. F., and Röthig.)
Rothschild, Louis S., Kansas City, Mo. Visual stock record indicator. 2,236,783; Apr. 1.
Roy, Constance M., executrix. (See Swan, J. C. K., and Roy.)
Roy, Hector B. (See Swan, J. C. K., and Roy.)
Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Mouthpiece-cigarette making machine. 2,236,579; Apr. 1.
Rusnak, John M., West Hartford, assignor to Niles-Bement-Pond Company, Hartford, Conn. Worktable positioning means. 2,236,881; Apr. 1.
Safegard Rubber Products Corp. (See Herschmann, Emil M., assignor.)
Salmond, Hubert M. (See Mathisen, A., and Salmond.)
Salmond, Hubert M., Fareham, England. Stoppering and regulating device for containers. 2,236,961; Apr. 1.

Salmond, Hubert M., Fareham, and A. Mathisen, assignors, to Graviner Manufacturing Company, Limited, London, England. Inertia element operated device. 2,236,959; Apr. 1.

Salmond, Hubert M., Fareham, and A. Mathisen, High Holborn, London, England. Stoppering and discharge device for fluid containers. 2,236,960; Apr. 1.

Salvetti, Dante A., Blawnox, assignor of one-third to W. G. Darrull, Springdale, Pa. Universal joint. 2,236,839; Apr. 1.

Sampson, Robert W., assignor to Sampson Rubber Products Corporation of Delaware, New York, N. Y. Pneumatic mattress and the like. 2,237,012; Apr. 1.

Sampson Rubber Products Corporation. (See Sampson, Robert W., assignor.)

Sandell, Rudolf, Stockholm, Sweden. Egg carton. 2,236,952; Apr. 1.

Sandin, Jerome, Forest Hills, and B. B. Paul, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,236,880; Apr. 1.

Sangamo Electric Company. (See Weston, George E., assignor.)

Sangamo Electric Company. (See Holtz, Frederick C., assignor.)

Santos, John R. L., assignor to William E. Hooper & Sons Company, Baltimore, Md. Drier felt. 2,237,115; Apr. 1.

Sasse, Arno R., Minneapolis, Minn., assignor to Standard Milling Company, New York, N. Y. Treatment of cereal products. 2,237,090; Apr. 1.

Sauer, George. (See Hacklander, H., and Sauer.)

Saunders, Walter S., assignor to American Forging & Socket Company, Fontiac, Mich. Latching mechanism. 2,236,735; Apr. 1.

Schaller, William F. (See Friend, R. O., Montgomery, and Schaller.)

Scharschu, Charles A., Brackenridge, Pa., assignor to Allegheny Ludlum Steel Corporation. Annealing magnetic material. 2,237,061; Apr. 1.

Scheerer, Walter, Berlin-Lichterfelde, Germany, assignor to International Business Machines Corporation, New York, N. Y. Record punching machine. 2,237,116; Apr. 1.

Scheffer, Ludwig. (See Nagel, K., Selb, Scheffer and Werner.)

Schenck, Charles, Coopersburg, Pa., assignor to Bethlehem Steel Company. Stud staple. 2,236,581; Apr. 1.

Schering Corporation. (See Koester, H., Mamoli, and Vercellone, assignors.)

Schering Corporation. (See Schöllkopf, Karl, assignor.)

Scheuer, Frank, Bronx, N. Y. Color matching ald device. 2,237,165; Apr. 1.

Schlueter Manufacturing Company. (See Hite, William R., Jr., assignor.)

Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Flier for covering spindles. 2,237,062; Apr. 1.

Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Covering spindle. 2,237,063; Apr. 1.

Schmitt, George P., New York, N. Y., assignor, by mesne assignments, to Cardinal Products, Inc. Lighter. 2,237,117; Apr. 1.

Schmitt, Paul F., Frankfort, Ind. Automobile turn signal switch. 2,237,083; Apr. 1.

Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Coating. 2,236,766; Apr. 1.

Schoenrock, George B., Detroit, Mich. Trailer hitch. 2,237,166; Apr. 1.

Schöllkopf, Karl, Berlin-Dahlem, Germany, assignor to Schering Corporation, Bloomfield, N. J. Manufacture of therapeutically valuable compounds of keratin degradation products. 2,236,921; Apr. 1.

Schott, Rudolph D., assignor to Pomona Pump Co., Pomona, Calif. Centrifugal pump. 2,236,953; Apr. 1.

Schreuder, Arthur N., assignor to Quaker Manufacturing Company, Chicago, Ill. Fuel control for fluid fuel burners. 2,237,041; Apr. 1.

Schuetz, Clyde C., Chicago, Ill., assignor to Keasbey & Mattison Company, Ambler, Pa. Forming a decorative slab. 2,236,582; Apr. 1.

Schumacher, Frederick W. (See Ferguson, R. P., and Schumacher.)

Schutt, Frederick A., assignor to The Dickey-Grabler Company, Cleveland, Ohio. Pivoted handle. 2,236,922; Apr. 1.

Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Governing mechanism. 2,237,118; Apr. 1.

Scoggin, Elmer K., and F. S. Denison, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Ignition and combustion control. 2,237,237; Apr. 1.

Scott, Albert B., Los Angeles, Calif. Night sighting means for firearms. 2,236,736; Apr. 1.

Scott, James J., and W. P. Barla, Fort Worth, Tex. Coating composition. 2,236,840; Apr. 1.

Scott and Williams, Incorporated. (See Houseman, Harold E., assignor.)

Scovill Manufacturing Company. (See Wahl, John, assignor.)

Scovill Manufacturing Company. (See Williams, Selden T., assignor.)

Sculllin Steel Co. (See Dreibuss, H. C., and Spenner, assignors.)

Security-First National Bank of Los Angeles. (See Wallace, Vard B., assignor.)

Selb, Josef. (See Nagel, K., Selb, Scheffer, and Werner.)

Selvig, John N., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring device. 2,236,583; Apr. 1.

Senf, Oscar H., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Tip for mechanical pencils or the like. 2,236,720; Apr. 1.

Servel, Inc. (See Andersson, Sven W. E., assignor.)

Servel, Inc. (See Kögel, Wilhelm G., assignor.)

Shann, Oscar A. (See Hoyt, F. A., and Shann.)

Shaw-Walker Company, The. (See Page, John H., assignor.)

Sheaffer, W. A., Pen Company. (See Senf, Oscar H., assignor.)

Shell Development Company. (See Court, William F., assignor.)

Shell Development Company. (See Reynhart, Arthur F. A., assignor.)

Shell Development Company. (See Thomas, S. B., and Cummings, assignors.)

Shell Development Company. (See Uytenbogaart, Johannes W. H., assignor.)

Shell Development Company. (See Yabroff, D. L., and White, assignors.)

Shellmar Products Company. (See Gurwick, Irving, assignor.)

Sherlock, John E., Sunbury-on-Thames, England. Thermostat for oven control. 2,237,199; Apr. 1.

Sherwin-Williams Company, The. (See Livingston, Norman F., assignor.)

Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. 2-methyl-allyl-substituted malonic ester. 2,237,265; Apr. 1.

Shower, Edmund G., Freeport, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing of electronic discharge devices. 2,236,977; Apr. 1.

Shryock, Robert A. (See Darner, F. M., and Shryock.)

Shurts, Wilbur F., Highland Park, and D. A. Baird, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Clutch mechanism. 2,236,652; Apr. 1.

Siemens Apparate und Machinen Gesellschaft mit beschrankter Haftung. (See Heuschmann, Hans, assignor.)

Siemens Apparate und Machinen Gesellschaft mit beschrankter Haftung. (See Lauck, Friedrich, assignor.)

Singer Manufacturing Company, The. (See Myers, Walter, assignor.)

Skanser, Sydney, Los Angeles, Calif. Music stand. 2,236,610; Apr. 1.

Skavinsky, Anthony, Bronx, N. Y. Hydraulic fluid jack for motor vehicles. 2,237,167; Apr. 1.

Skinner, M. B., Co. (See Merrill, Patterson D., assignor.)

Slachman, Preston G. (See Weisberg, M., and Slachman.)

Slaght, William W. (See Smith, William J., and Slaght.)

Slater, Fred M., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Feeding device. 2,236,700; Apr. 1.

Slazenger, Ralph C. G. (See Mobsby, Eric G. H., assignor.)

Sloan, William H., Toledo, assignor of one-half to Mott W. McClelland, Miami Manor, Maumee, Ohio. Conveying material as in solid fuel feeding. 2,237,200; Apr. 1.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,237,064; Apr. 1.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,236,611; Apr. 1.

Smith, John C., assignor to Solar Laboratories Company, Beaver, Pa. Stenciling apparatus. 2,237,168; Apr. 1.

Smith, Justin L., Watertown, assignor to Seymour Smith & Son, Inc., Oakville, Conn. Grass shears. 2,237,238; Apr. 1.

Smith, Lawrence C., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigeration apparatus. 2,237,239; Apr. 1.

Smith, Marion F. (See Greider, H. W., and Smith.)

Smith, Raymond W., Chicago, Ill., assignor to Transparent-Wrap Machine Corporation, New York, N. Y. Automatic packaging machine. 2,237,119; Apr. 1.

Smith, Richard M., assignor of one-half to H. A. Stevenson, Detroit, Mich. Air cleaning apparatus. 2,236,923; Apr. 1.

Smith, Seymour, & Son, Inc. (See Smith, Justin L., assignor.)

Smith, William J., and W. W. Slaght, Rocky Rivers, assignors to Cleveland Steel Products Corp., Cleveland, Ohio. Oil burning apparatus. 2,236,924; Apr. 1.

Snyder, Jacob R. (See Wunderle, Carl J., assignor.)

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Long, Bernard, assignor.)

Societe Anonyme des Usines Chausson. (See Mollet, Léon, assignor.)

Society of Chemical Industry in Basle. (See Straub, F., and Pieth, assignors.)

Societe d'Electricite Mors. (See Le Goff, Lucien J. A., assignor.)

Socony-Vacuum Oil Company. (See Dunham, George S., assignor.)

Soderholm, Lauren V., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Ignition control means. 2,237,120; Apr. 1.

Solar Laboratories Company. (See Smith, John C., assignor.)

Spackman, Thomas F. (See McCollum, H. J. De N., and Spackman.)

Speaker, J. W., Corporation. (See Beeman, L., and Kroll, assignors.)

Speeger, Emile G., Elmhurst, Long Island, N. Y. Hatbox. 2,236,858; Apr. 1.

Spenner, Fred H. (See Dreibuss, H. C., and Spenner.)

Sponsel, Kurt, assignor to Kalle & Co., Aktiengesellschaft Wiesbaden-Biebrich, Germany. Water-soluble colloids of urea-aldehyde-carbohydrate ether products. 2,237,240; Apr. 1.

Sproul, Donald F., assignor to J. R. Cardwell, Chicago, Ill. Friction spring unit. 2,236,550; Apr. 1.

Stanbery, Elwood M., Fort Wayne, Ind., assignor to General Electric Company. Valve assembly. 2,237,013; Apr. 1.

Standard Milling Company. (See Sasse, Arno R., assignor.)

Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)

Standard Oil Development Company. (See Blau, L. W., and Thompson, assignors.)

Standard Oil Development Company. (See Ferguson, R. P., and Schumacher, assignors.)

Standard Oil Development Company. (See Gross, Henry E., assignor.)

Standard Oil Development Company. (See Wright, Donald L., assignor.)

Standard Products Company, The. (See Reid, James S., assignor.)

Standard Railway Equipment Manufacturing Company. (See Bikle, William E., assignor.)

Stark, Albert. (See Abate, Nicholas J., assignor.)

Stärke, Bruno, assignor to Junkers Flugzeug-und-Motorenwerke A. G., Dessau, Germany. Control transmission mechanism. 2,236,653; Apr. 1.

Stearns & Foster Company, The. (See Broeman, Frank C., assignor.)

Steel Products Engineering Company, The. (See McAdams, Joseph E., assignor.)

Steel Sanitary Company, The. (See Galbreath, William W., assignor.)

Steiner, Oscar, Irondequoit, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Automatic diaphragm adjusting mechanism for photographic cameras. 2,236,925; Apr. 1.

Steiner, Waldo L. (See Lincoln, B. H., Byrkit, and Steiner.)

Stephanoff, Nicholas N., Roselle, assignor to Thermo-Plastics Corporation, Elizabeth, N. J. Pulverizing apparatus. 2,237,091; Apr. 1.

Sterling Corporation, The. (See Flammang, John, assignor.)

Stevenson, Herbert A. (See Smith, Richard M., assignor.)

Stewart-Warner Corporation. (See Kropp, Willis A., assignor.)

Stewart-Warner Corporation. (See Taylor, G. O., and Bunting, assignors.)

Stine, Samuel S., Lansdowne, and W. E. Brown, Chester, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blade shrouding. 2,237,121; Apr. 1.

Stoehrer, Carl, Lawrence, Mass. Beverage dispensing system. 2,237,014; Apr. 1.

Stone, Allen L., San Francisco, Calif., assignor, by mesne assignments, to Pneumastic Co., Inc. Apparatus for applying plastic material. 2,236,737; Apr. 1.

Stone, Herman A. (See Vigue, William J., assignor.)

Stone, Nathaniel B., Riverdale, Md. Tire rim tool. 2,237,201; Apr. 1.

Stoner, George H., East Boston, Mass. Lawn mower. 2,236,612; Apr. 1.

Strahan, Joseph C. J., New York, N. Y. Hosiery. 2,236,584; Apr. 1.

Stransky Products Corporation. (See Weil, William H., assignor.)

Strattan, Sibert G., Mount Vernon, Ill. Light tower. 2,237,202; Apr. 1.

Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric valve control circuit. 2,237,016; Apr. 1.

Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 2,237,015; Apr. 1.

Straub, Fritz, and P. Pieth, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Complex metal compounds and making same. 2,236,954; Apr. 1.

Streine Tool & Manufacturing Company, The. (See Dine, Frank W., assignor.)

Strid, Sven J., Chicago, Ill. Brake step for railway cars. 2,236,654; Apr. 1.

Striegel, Harold L., assignor to Binks Manufacturing Company, Chicago, Ill. Material control means for spray appliances. 2,236,551; Apr. 1.

Strosacker, Charles J., and F. C. Amstutz, assignors to The Dow Chemical Company, Midland, Mich. Preparation of ethers. 2,237,241; Apr. 1.

Stuhmer, Geo. F. & Company. (See Brykczynski, C. S., and Kosman, assignors.)

Sunl-Citrus Products Company, et al. (See Cocke, E. L., and Ticknor, H, assignors.)

Sun Oil Company. (See Petty, Earl, assignor.)

Surface, Ohlen C., Fenwick, W. Va. Dowel. 2,236,926; Apr. 1.

Sutton, Henry M., and F. E. Wood, assignors to Reconstruction Finance Corporation, Dallas, Tex. Extracting pure germ product from farinaceous stock. 2,236,806; Apr. 1.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilization of formaldehyde solutions. 2,237,092; Apr. 1.

Swallen, Lloyd C. (See Hodge, E. B., and Swallen.)

Swan, John C. K., Hove, and H. B. Roy, deceased, late of Hove, by C. M. Roy, executrix, Hove, England. Game or amusement apparatus. 2,237,122; Apr. 1.

Swanson, Levi G., Perry, Iowa. Poultry and fowl shear. 2,237,203; Apr. 1.

Swensen, Sigurd M., Minneapolis, Minn. Engine. 2,236,738; Apr. 1.

Swimmer, Albert T., assignor to The General Fireproofing Co., Youngstown, Ohio. Compressor mechanism for filing trays or drawers. 2,236,807; Apr. 1.

Tar and Petroleum Process Company. (See Curran, Maurice D., assignor.)

Taylor, George O., Cicero, and E. V. Bunting, assignors, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Gear case flusher. 2,236,784; Apr. 1.

Taylor, Guy B. (See Balthis, J. H., Jr., and Taylor.)

Taylor, Guy B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of acetylene. 2,236,978; Apr. 1.

Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill. Automatic switch for use in telephone or like systems. 2,236,808; Apr. 1.

Tector, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring. 2,236,721; Apr. 1.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hahndorf, Fritz, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Tuxen, Otto, assignor.)

Ternstedt Manufacturing Company. (See Andersen, Andrew C., assignor.)

Teves, Marten C., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electric discharge tube comprising a fluorescent screen. 2,237,123; Apr. 1.

Texas Company, The. (See Rosnell, J. E., and Triska, assignors.)

Thermo-Plastics Corporation. (See Stephanoff, Nicholas N., assignor.)

Thinius, Kurt, Ellenburg, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y. Attaching gelatin layers to supports of polymerized vinylchloride. 2,237,017; Apr. 1.

Thomas, H. Ivor, et al. (See McFadden, Norman F., assignor.)

Thomas, Joseph L., St. Louis, Mo. Combination bathtub and seat. 2,236,927; Apr. 1.

Thomas, Samuel B., Oakland, and B. H. Cummings, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Process of separating thiophenols from alkyl phenols. 2,236,928; Apr. 1.

Thomas, William M., Four Oaks, England, and J. Cotal, Paris, France. Mechanism for reverse drives. 2,236,631; Apr. 1.

Thompson, John S. (See Darsey, V. M., Thompson, and Goodspeed.)

Thompson, Robert A., Pampa, Tex. Lawn edge trimmer. 2,236,955; Apr. 1.

Thompson, Robert R. (See Blau, L. W., and Thompson.)

Thurmann, August, Berlin, Germany, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,236,632; Apr. 1.

Ticknor, Benjamin H., II. (See Cocke, E. L., and Ticknor.)

Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,236,929; Apr. 1.

Tinnerman Products, Inc. (See Hansman, George A., assignor.)

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Tison, Percy, Westwood, Calif. Slating and synchronizing in motion pictures. 2,236,767; Apr. 1.

Toensfeldt, Kurt. (See Wood, W. R., and Toensfeldt.)

Tokheim Oil Tank and Pump Company. (See Oberly, Chester C., assignor.)

Toolan, John, New York, N. Y. Defroster for windshields of motor vehicles. 2,237,124; Apr. 1.

Tounsley, C. D. (See Muse, Paschal, assignor.)

Transparent-Wrap Machine Corporation. (See Smith, Raymond W., assignor.)

Transplanters Holding Company Limited. (See Poulerantzic, Israel, assignor.)
Triska, Joseph A. (See Rosnell, J. E., and Triska.)
Troeber, William J., West Orange, N. J. Sharpener for mechanical pencil leads. 2,236,979; Apr. 1.
Truby, Harry A., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Method and batch for making colored glass. 2,237,042; Apr. 1.
Truscon Steel Company. (See Hughes, Grover A., assignor.)
Turner, Giles M., Milwaukee, Wis. Standardized shop equipment. 2,236,809; Apr. 1.
Türen, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Optical tuning indicator for radio sets. 2,237,093; Apr. 1.
Tweedale, Ralph L., Waterbury, assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,237,018; Apr. 1.
Tykociner, Joseph T., and L. P. Garner, Urbana, Ill., and J. Kunz, deceased, late of Urbana, Ill., by A. Kunz, executrix, Urbana, Ill., assignors to Board of Trustees of the University of Illinois, Urbana, Ill. Phototube. 2,237,242; Apr. 1.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Neidich, Samuel A., assignor.)
Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Ungar, Gustave A., Pelham Manor, assignor to Joseph F. Keller, New York, N. Y. Liquid pump or motor. 2,236,980; Apr. 1.
Union Asbestos & Rubber Company. (See Astley, William P., assignor.)
Union Special Machine Company. (See Hacklander, H., and Sauer, assignors.)
United Shoe Machinery Corporation. (See Better, Francis J., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Hyde, Ralph A., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See Lane, Harold, assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United Shoe Machinery Corporation. (See Monfils, Napoléon A., assignor.)
United Shoe Machinery Corporation. (See Newhall, Carl A., assignor.)
United Shoe Machinery Corporation. (See Potter, Sydney W., assignor.)
United Shoe Machinery Corporation. (See Ushakoff, Alexis E., assignor.)
United Shoe Machinery Corporation. (See Whelton, John M., assignor.)
United States Rubber Company. (See Iknayan, Alfred N., assignor.)
Universal Oil Products Company. (See Dryer, Charles G., assignor.)
University of Illinois, Board of Trustees of the. (See Tykociner, J. T., Preston, and Kunz, assignors.)
Ushakoff, Alexis E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Covering article. 2,236,352; Apr. 1.
Uytenbogaart, Johannes W., Huijbert, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Water clarification process. 2,236,930; Apr. 1.
Vacuum-Science Products Limited. (See van den Bosch, Francois J. G., assignors.)
Vandegrift, Roland B., North Arlington, N. J., assignor to Radio Corporation of America. Getter for electron discharge devices. 2,236,859; Apr. 1.
Van den Bosch, François J. G., assignor to Vacuum-Science Products Limited, London, England. Cathode ray tube. 2,237,065; Apr. 1.
Van der Heem, Leonardus Wilhelmus, assignor to N. V. Radiofabrieken Ingenieursbureau voorheen van der Heem & Bloemsma, The Hague, Netherlands. Motor and dynamo. 2,236,956; Apr. 1.
Van Overbeek, Adrianus J. W. M., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electron discharge device. 2,236,860; Apr. 1.
Vaughan Novelty Mfg. Co. Inc. (See Fender, Ferdinand E., assignor.)
Veatch, Collins, La Grange, Ill., assignor to Corn Products Refining Company, New York, N. Y. Zein acetate. 2,236,788; Apr. 1.
Vercellone, Alberto. (See Koester, H., Mamoli, and Vercellone.)
Viau, Wilfred J., Culver City, Calif. Airplane tail wheel brake. 2,236,655; Apr. 1.
Vigue, William J., assignor of one-fourth to C. E. Lashly, and one-fourth to H. A. Stone, Orofino, Idaho. Stake pocket. 2,236,883; Apr. 1.
Vild, John S., Pittsburgh, Pa. Powder puff. 2,236,957; Apr. 1.
Vinz, Alfred O., Monterey Park, Calif. Combination clamp mounting with window lock and alarm. 2,237,019; Apr. 1.
Virzi, Giuseppe, New York, N. Y. Resilient sound post for musical instruments. 2,236,701; Apr. 1.
Volt, Willy, Stuttgart-Bad Connstatt, and J. Weber, Stuttgart-Feuerbach, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Fuel injection apparatus for internal combustion engines. 2,236,553; Apr. 1.
Vorkauf, Heinrich, Berlin, Germany, assignor to The La Mont Corporation, New York, N. Y. Tube support. 2,236,882; Apr. 1.
Wadsworth Electric Manufacturing Company, The. (See Blank, Joseph N., assignor.)
Wahl, Albert J. (See Bower, R., Reese, and Wahl.)
Wahl, John, Rosedale, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tire valve. 2,236,585; Apr. 1.
Waldschutz, Frans J. (See Iversen, L., and Waldschutz.)
Walker-Turner Co. (See Ocenasek, William F., assignor.)
Wallace, Arthur F. (See Pell, P. S., and Wallace.)
Wallace, Vard B., Sierra Madre, assignor to Security-First National Bank of Los Angeles, Los Angeles, Calif. Drafting machine. 2,236,656; Apr. 1.
Wallin, Charles E., and H. M. Whitworth, Guildford, assignors to Woodall-Duckham (1920) Limited, Guildford, Surrey, England. Ancillary equipment of coking plants. 2,237,204; Apr. 1.
Waltman, Irving R., Brooklyn, N. Y. Last determinator. 2,236,739; Apr. 1.
Walton, Charles W., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Neutralization of rubber hydrochloride cements and products made therefrom and process pertaining thereto. 2,237,125; Apr. 1.
Wardlyn Corporation. (See Flynn, Vincent J., assignor.)
Warner Bros. Pictures, Inc. (See Levy, Harry, assignor.)
Warren, S. D., Company. (See Frost, Frederick H., assignor.)
Waselge, Charles R., Rueil, France. Variable pitch aerial propeller. 2,236,841; Apr. 1.
Wassell, Frank L., Westport, Conn. Envelope booklet. 2,237,205; Apr. 1.
Waterbury Tool Company, The. (See Tweedale, Ralph L., assignor.)
Watson, Glenn W., assignor to Penweld Corporation, Detroit, Mich. Heat tempering and hardening method for metals. 2,236,810; Apr. 1.
Watson, James R., San Bernardino, Calif. Hydraulic brake impulse regulator for trailers. 2,237,206; Apr. 1.
Wean Engineering Co. Inc., The. (See Wean, R. J., and McArthur, assignors.)
Wean, Raymond J., and D. A. McArthur, assignors to The Wean Engineering Co. Inc., Warren, Ohio. Apparatus for making sheet metal. 2,236,962; Apr. 1.
Webb, Edmond F., Franklin Village, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,236,657; Apr. 1.
Weber, Johannes. (See Volt, W., and Weber.)
Weil, William H., Richmond Hill, assignor to Stransky Products Corporation, New York, N. Y. Display card. 2,237,266; Apr. 1.
Weinman, Milton, Chicago, Ill. Display container. 2,237,126; Apr. 1.
Weisberg, Mark, and P. G. Slachman, Providence, assignors to Alrose Chemical Company, Cranston, R. I. Producing water-soluble substituted phenols. 2,237,066; Apr. 1.
Werner, Karl. (See Nagel, K., Seib, Scheffer, and Werner.)
Wessell, Fernando A., Jr., Red Bank, N. J. Piano. 2,236,614; Apr. 1.
Western Electric Company. (See Adams, Arthur H., assignor.)
Western Electric Company. (See Selvig, John N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fischer, Frederick K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sandin, J., and Paul, assignors.)
Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stine, S. S., and Brown, assignors.)
Weston, George E., Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill. Gear changing mechanism. 2,237,127; Apr. 1.
Wheeler, Frank S., Hollywood, Calif. Wind deflector. 2,236,615; Apr. 1.
Wheeler, Harry N., Birmingham, Ala., assignor of one-half to A. E. Klinkicht, Cincinnati, Ohio. Timing and indicating device. 2,236,658; Apr. 1.
Wheeler, Joseph B. (See Hunsaker, C. H., and Wheeler.)
Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe lasting and sewing machine. 2,237,169; Apr. 1.
Whisnant, Ernest E., et al. (See Coleman, R. H., and Hunt, assignors.)
Whisnant, Clarence L., et al. (See Coleman, R. H., and Hunt, assignors.)
White, Edward R., New Rochelle, N. Y. Two compartment envelope. 2,236,659; Apr. 1.

White, Ellis R. (See Yabroff, D. L., and White.)
White, Everett H., St. Paul, Minn. Pump. 2,236,660; Apr. 1.
White, Paul W., Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 2,236,586; Apr. 1.
Whitin Machine Works. (See Hendrickson, Fred K., assignor.)
Whitin Machine Works. (See Schlums, Otto W., assignor.)
Whitlock, John W., deceased, late of Rising Sun, by Rising Sun State Bank, administrator, Rising Sun, Ind., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Automatic phonograph. 2,236,785; Apr. 1.
Whitton, John C., Ponce de Leon, Fla. Peanut cutter attachment for plows. 2,236,931; Apr. 1.
Whitworth, Herbert M. (See Wallin, C. E., and Whitworth.)
Widell, Emil G., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cataphoretic coating apparatus. 2,236,861; Apr. 1.
Wiemer, Kurt, assignor to the firm J. M. Lehmann, Dresden, Germany. Apparatus for processing chocolate. 2,236,554; Apr. 1.
Wilking, Emil. (See Mando, S. J., and Wilking.)
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Making corrosion resistant metal strip. 2,237,243; Apr. 1.
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Making corrosion resistant metal tubes. 2,237,244; Apr. 1.
Williams, Beverly E., and L. L. Cadwell, assignors to Industrial Patents Corporation, Chicago, Ill. Meat product. 2,237,277; Apr. 1.
Williams, Ernest, Jackson Heights, and C. P. Xenis, Little Neck, assignors to Consolidated Edison Company of New York, Inc., New York, N. Y. Cable joint and forming same. 2,236,862; Apr. 1.
Williams, Ernest, Jackson Heights, and C. P. Xenis, Little Neck, assignors to Consolidated Edison Company of New York, Inc., New York, N. Y. Cable joint and method and means for forming same. 2,236,863; Apr. 1.
Williams, Harold A. (See Rennie, I. H., and Williams.)
Williams, Norman D. (See Backoff, W. J., Williams, O'Loughlin, Moir, and Yule.)
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tire valve. 2,236,587; Apr. 1.
Williamson, Larkin R., assignor to E. W. Bliss Company, Brooklyn, N. Y. Brake. 2,237,170; Apr. 1.
Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,237,278; Apr. 1.
Wilson, Harland D., Indianapolis, assignor to Prest-O-Lite Storage Battery Corporation, Speedway, Indianapolis, Ind. Manufacturing oxidized lead powder. 2,237,043; Apr. 1.
Wilson, Ira G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of space discharge apparatus. 2,236,661; Apr. 1.
Wilson, Robert F., and W. L. Klingman, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Inner tube. 2,237,245; Apr. 1.
Wilson, Warren M., Wayne, Pa. Rotary plug valve. 2,237,020; Apr. 1.
Wincharger Corporation. (See Albers, John R., assignor.)
Wing, Johnnie, assignor of twenty-five per cent to S. J. Diglia, five per cent to J. P. Diglia, five per cent to J. E. Diglia, Sulphur, La. Combined sash lock and lift. 2,236,722; Apr. 1.
Wingfoot Corporation. (See Walton, Charles W., assignor.)
Wingfoot Corporation. (See Zimmerman, C. H., and McMahan, assignors.)
Wingquist, Sven G., Remningstorp, Sweden. Universal joint. 2,236,633; Apr. 1.
Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Timing device. 2,236,981; Apr. 1.
Wire & Iron Products, Inc. (See Gieseking, Harry E., assignor.)
Wood, Frank E. (See Sutton, H. M., and Wood.)
Wood, John, Manufacturing Company, Inc. (See Marland, Arthur, assignor.)
Wood, Wilfred R., New York, and K. Toensfeldt, Port Washington, assignor to Combustion Engineering Company, Inc., New York, N. Y. Air flow control for bowl mills. 2,237,021; Apr. 1.
Woodall-Duckham (1920) Limited. (See Wallin, C. E., and Whitworth, assignors.)
Woodall Industries Incorporated. (See Cunnington, George R., assignor.)
Worcester, Joseph A., Jr., Bridgeport, Conn., assignor to General Electric Company. Coupling device. 2,236,982; Apr. 1.
Worthington, Hood. (See Babcock, D. F., Greenewalt, and Worthington.)
Worthington, James B., and G. R. McGee, Oklahoma City, Okla., assignors to T. Bryan, Fort Worth, Tex. Gas-lift valve. 2,236,864; Apr. 1.
Worthington Pump and Machinery Corporation. (See Dorer, Oscar H., assignor.)
Wright, Donald L., Elizabeth, N. J., assignor to Standard Oil Development Company. Shock absorber and similar mechanism. 2,236,662; Apr. 1.
Wulff Process Company. (See Hasche, Rudolph L., assignor.)
Wulff Process Company. (See Wulff, Robert G., assignor.)
Wulff, Robert G., Kingsport, Tenn., assignor, by mesne assignments, to Wulff Process Company, Los Angeles, Calif. Manufacture of acetylene under modified pressure and temperature conditions. 2,236,555; Apr. 1.
Wunderle, Carl J., Shaker Heights, assignor of one-half to J. R. Snyder, Cleveland, Ohio. Hydraulic brake or clutch. 2,236,556; Apr. 1.
Wurlitzer, Rudolph, Company, The. (See Christensen, Andrew B., assignor.)
Wurlitzer, Rudolph, Company, The. (See Whitlock, John W., assignor.)
Xenis, Constantine P. (See Williams, E., and Xenis.)
Yabroff, David L., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Separation of azeotropic mixtures. 2,236,723; Apr. 1.
Yamashita, Okiye, Tokyo, Japan. Method and means for starting Diesel engines. 2,236,634; Apr. 1.
Yankee Metal Products Corp. (See Reed, Daniel E., assignor.)
Young, Jay A., Lake Monroe, and J. E. Abernathy, Jr., Sanford, Fla. Apparatus for cleaning preheaters. 2,236,635; Apr. 1.
Young, Louise V., Tulsa, Okla. Ventilated pants or slacks. 2,236,636; Apr. 1.
Yule, John S. (See Backoff, W. J., Williams, O'Loughlin, Moir, and Yule.)
Yusek, John A., Cleveland, Ohio. Footrest. 2,236,983; Apr. 1.
Zalkind, Philip, New York, N. Y. Container fastening means. 2,236,557; Apr. 1.
Zapp, George E., Lockport, N. Y. Basket. 2,236,637; Apr. 1.
Zein Corporation of America, The. (See Coleman, Roy E., assignor.)
Zimmerman, Charles H., and W. W. McMahan, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Tire. 2,237,207; Apr. 1.
Zinkil, Roy H., Oak Park, and E. W. Marchand, Jr., Maywood, assignors to Crane Co., Chicago, Ill. Sink strainer and stopper and the like. 2,236,884; Apr. 1.
Zinkil, Roy H., Oak Park, and E. W. Marchand, Jr., Maywood, assignors to Crane Co., Chicago, Ill. Sink strainer and stopper and the like. 2,236,885; Apr. 1.
Zinkil, Roy H., Oak Park, and E. W. Marchand, Jr., Maywood, assignors to Crane Co., Chicago, Ill. Sink strainer and stopper and the like. 2,236,886; Apr. 1.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Circuit breaker. A. J. Thomson. Re. 21,760; Apr. 1.
Cosmetic device. T. W. Deakers, and L. A. Schmucker. Re. 21,757; Apr. 1.
Electric valve circuit. H. W. Lord. Re. 21,759. Apr. 1.
Power transmission. G. A. Foisy. Re. 21,758; Apr. 1.
Steering device for power propelled vehicles. I. F. Davidson. Re. 21,756; Apr. 1.

LIST OF DESIGN INVENTIONS

Bag or similar article, Shopping. J. F. Mayers. 126,348; Apr. 1.
Bed-cover or similar article. E. Black. 126,284; Apr. 1.
Blouse. I. Geist. 126,319; Apr. 1.
Blouse. B. Shander. 126,272; Apr. 1.
Bookcase. G. Johnson, G. Cushing, and T. G. W. Nevell. 126,206–8; Apr. 1.
Bottle. W. J. Lundy. 126,209; Apr. 1.
Bottle or similar article. F. S. Barbiers. 126,234; Apr. 1.
Brooch or similar article. R. L. Moonan. 126,245; Apr. 1.
Brooch or similar article. A. Philippe. 126,248; Apr. 1.
Bracelet. A. Philippe. 126,271; Apr. 1.
Brooch or similar article. S. R. Burke. 126,194; Apr. 1.
Brush, Hair. L. H. Gustafson and G. S. Swift. 126,205; Apr. 1.
Button or similar article. G. R. Anderson. 126,182; Apr. 1.
Cabinet for continuous motion picture projector. A. Shapiro. 126,214; Apr. 1.
Cabinet, Tool. A. P. Slersma. 126,215; Apr. 1.
Cabinet for an amusement apparatus. J. F. Meyer. 126,225; Apr. 1.
Can top. L. Eisenberg. 126,200; Apr. 1.
Casing, Radio. R. D. Budlong. 126,235; Apr. 1.
Casing for a water cooler. L. L. Stone, R. A. Mooney, F. W. McFarlane, and J. G. McNiven. 126,192; Apr. 1.
Chain or similar article, Key. R. E. Daniels. 126,199; Apr. 1.
Clip, Pin. A. Philippe. 126,246–7; Apr. 1.
Coaster. F. J. Curran. 126,183; Apr. 1.
Coat. E. Grossman. 126,240; Apr. 1.
Coat. C. Leibowitz. 126,268; Apr. 1.
Coat. S. Zimmerman. 126,261; Apr. 1.
Comb or similar article. J. Kahn. 126,242; Apr. 1.
Conveyer. M. Cohen. 126,195; Apr. 1.
Dish, Serving. A. Bartsch. 126,233; Apr. 1.
Dress. M. Ager. 126,328; Apr. 1.
Dress. G. Andrée. 126,230–2; Apr. 1.
Dress. A. Berlin. 126,329; Apr. 1.
Dress. H. Berman. 126,292; Apr. 1.
Dress. S. Bieber. 126,274; Apr. 1.
Dress. M. Briman. 126,293; Apr. 1.
Dress. M. Brucato. 126,276; Apr. 1.
Dress. C. L. Callisch. 126,294; Apr. 1.
Dress. M. Carbotti. 126,330–3; Apr. 1.
Dress. C. Charles. 126,278; Apr. 1.
Dress. C. Charles. 126,295; Apr. 1.
Dress. M. Croizat. 126,336; Apr. 1.
Dress. D. Cox. 126,315; Apr. 1.
Dress. E. Cutler. 126,338–41; Apr. 1.
Dress. F. De Maria. 126,342; Apr. 1.
Dress. M. Dorian. 126,317; Apr. 1.
Dress. M. Fields. 126,318; Apr. 1.
Dress. P. Fracchia. 126,237; Apr. 1.
Dress. P. Fracchia. 126,264; Apr. 1.
Dress. P. Fracchia. 126,344; Apr. 1.
Dress. E. Freeman. 126,238; Apr. 1.
Dress. E. Gold. 126,239; Apr. 1.
Dress. H. M. Harris. 126,346; Apr. 1.
Dress. L. Hoshafian. 126,320; Apr. 1.
Dress. P. Israel. 126,241; Apr. 1.
Dress. S. Jacobson. 126,321; Apr. 1.
Dress. L. Joel. 126,347; Apr. 1.
Dress. L. Katz. 126,298; Apr. 1.
Dress. T. Lauterstein. 126,267; Apr. 1.
Dress. J. Marchesa. 126,322; Apr. 1.
Dress. M. Marve. 126,300; Apr. 1.
Dress. O. C. Nadel. 126,323; Apr. 1.
Dress. D. W. Price. 126,250; Apr. 1.
Dress. B. Recht. 126,281–2; Apr. 1.
Dress. B. Recht. 126,305–6; Apr. 1.
Dress. B. Recht. 126,325; Apr. 1.
Dress. J. Rosenberg. 126,307; Apr. 1.
Dress. K. Rost. 126,252; Apr. 1.
Dress. A. Ruchman. 126,350; Apr. 1.
Dress. M. J. Shapiro. 126,308–9; Apr. 1.
Dress. M. J. Shapiro. 126,351; Apr. 1.
Dress. H. H. Stahl. 126,352; Apr. 1.
Dress. I. Szerlip. 126,310; Apr. 1.
Dress. W. J. Turoff. 126,327; Apr. 1.
Dress. J. Walker. 126,311–12; Apr. 1.
Dress. M. Wolff. 126,355; Apr. 1.
Dress. H. C. Zanft. 126,260; Apr. 1.
Dress ensemble. M. Ager. 126,290; Apr. 1.
Dress ensemble. B. Baum. 126,291; Apr. 1.
Dress ensemble. F. C. Brogan. 126,275; Apr. 1.
Dress ensemble. M. Brucato. 126,277; Apr. 1.
Dress ensemble. B. Claire. 126,314; Apr. 1.
Dress ensemble. B. Claire. 126,334–5; Apr. 1.
Dress ensemble. M. Croizat. 126,236; Apr. 1.
Dress ensemble. M. Croizat. 126,296; Apr. 1.
Dress ensemble. M. Croizat. 126,337; Apr. 1.
Dress ensemble. I. Doctor. 126,316; Apr. 1.
Dress ensemble. P. Fracchia. 126,297; Apr. 1.
Dress ensemble. P. Fracchia. 126,343; Apr. 1.
Dress ensemble. M. Lynn. 126,299; Apr. 1.
Dress ensemble. M. Marve. 126,301; Apr. 1.
Dress ensemble. O. C. Nadel. 126,302–4; Apr. 1.
Dress ensemble. O. C. Nadel. 126,324; Apr. 1.
Dress ensemble. B. Recht. 126,279–80; Apr. 1.
Dress ensemble. J. Richards. 126,283; Apr. 1.
Dress ensemble. N. Rosenstein. 126,326; Apr. 1.
Dress ensemble. H. H. Stahl. 126,353; Apr. 1.
Dress ensemble. J. Walker. 126,313; Apr. 1.
Dress ensemble. J. Walker. 126,354; Apr. 1.
Dress ensemble. W. Weill. 126,258–9; Apr. 1.
Dress and slip ensemble. H. M. Harris. 126,345; Apr. 1.
Dress or similar article. H. Belspel. 126,262; Apr. 1.
Fabric, Knitted. D. Sobel. 126,254–7; Apr. 1.
Fabric, Textile. I. Cummings. 126,197–8; Apr. 1.
Fabric, Textile. A. W. Roth. 126,190; Apr. 1.
Fish dart. J. E. Hutcheson. 126,221–2; Apr. 1.
Flag or the like. C. J. Owens. 126,269; Apr. 1.
Frame for a tumbler rack. A. J. Havlis. 126,266; Apr. 1.
Game board. E. A. Villeneuve. 126,227; Apr. 1.
Handbag and mirror container, Combination. S. R. Goldsmith. 126,220; Apr. 1.
Handbag or similar article. I. Pichel. 126,249; Apr. 1.
Handbag or similar article. B. B. White. 126,217; Apr. 1.
Heater, Water. C. Karstadt. 126,224; Apr. 1.
Holder, Flower. A. Muhl. 126,210; Apr. 1.
Indicating instrument. H. B. Brown. 126,193; Apr. 1.
Indicating instrument. H. B. Brown. 126,219; Apr. 1.
Lamp and radio receiving set, Combined. D. J. Crowley and E. W. Dulmage. 126,196; Apr. 1.
Lamp or similar article. L. Guild. 126,204; Apr. 1.
Lighting fixture. T. W. Rolph. 126,211; Apr. 1.
Mattress cover or similar article. A. C. Weissman. 126,216; Apr. 1.
Necktie. H. Rosenbaum. 126,251; Apr. 1.
Panel, Lighting. A. L. Arenberg. 126,218; Apr. 1.
Pantie. E. Cadous. 126,263; Apr. 1.
Paper or the like, Wrapping. B. Kaufmann. 126,189; Apr. 1.
Purse. H. Morris. 126,349; Apr. 1.
Rack for a refrigerator, oven, or the like. L. A. Young. 126,228; Apr. 1.
Razor, Electric. H. Lampert. 126,244; Apr. 1.
Screw driver, cap and lid remover, Combination. J. B. Smiley. 126,253; Apr. 1.
Shirt or similar article. E. Swan. 126,273; Apr. 1.
Shoe or similar article. N. Elkin. 126,201–3; Apr. 1.
Spoon or similar article. M. Schulgasser. 126,212; Apr. 1.
Sprayer, Liquid. J. F. Schylander. 126,213; Apr. 1.
Stool or the like, Kitchen. W. C. Panzer. 126,270; Apr. 1.
Support for reading glass. F. C. Kennard. 126,243; Apr. 1.

Syphon head. L. Gebhart and H. L. Ross. 126,184–8; Apr. 1.
Syphon head. L. Gebhart and H. L. Ross. 126,265; Apr. 1.
Tank, Therapy. F. W. Ille. 126,223; Apr. 1.
Textile fabric. B. W. Rosenblum. 126,286–8; Apr. 1.
Textile fabric. M. Toplitz. 126,289; Apr. 1.
Textile fabric or similar article. J. Morris. 126,285; Apr. 1.
Tile. R. W. Schweiker. 126,191; Apr. 1.
Tool, Rotary machine. U. Anesi. 126,229; Apr. 1.
Tub, Laundry. J. C. Steiner. 126,226; Apr. 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading wheel. F. F. Hillix. 2,236,709; Apr. 1.
Abrasive, Rubber base sheeted. L. A. Hatch. 2,236,597; Apr. 1.
Acetylene from gas mixtures, Separation of. J. H. Balthis, Jr., and G. B. Taylor. 2,236,966; Apr. 1.
Acetylene from mixtures, Separation of. D. F. Babcock. 2,236,964; Apr. 1.
Acetylene, Including recycling, Manufacture of. R. L. Hasche. 2,236,534; Apr. 1.
Acetylene, Manufacture of. R. L. Hasche. 2,236,535; Apr. 1.
Acetylene, Manufacture of. G. B. Taylor. 2,236,978; Apr. 1.
Acetylene under modified pressure and temperature conditions, Manufacture of. R. G. Wulff. 2,236,555; Apr. 1.
Actuating and adjusting means for a film gate assembly. A. Kindelmann. 2,236,878; Apr. 1.
Actuating mechanism for stokers, Hydraulic. R. L. Beers. 2,236,665; Apr. 1.
Adhesive sheet and method of making. R. G. Drew. 2,236,527; Apr. 1.
Adsorbents, Revivification of decolorizing. R. P. Ferguson and F. W. Schumacher. 2,236,679; Apr. 1.
Air cleaning apparatus. R. M. Smith. 2,236,923; Apr. 1.
Air cooling device for brakes. R. H. Rosenberg. 2,237,164; Apr. 1.
Aircraft construction. H. G. Klemm. 2,236,573; Apr. 1.
Air flow control for bowl mills. W. R. Wood and K. Toensfeldt. 2,237,021; Apr. 1.
Airplane running light lamp. W. G. Grimes. 2,237,072; Apr. 1.
Airplane tail wheel brake. W. J. Viau. 2,236,655; Apr. 1.
Alarm system, Fire. F. R. Bridges. 2,236,891; Apr. 1.
Alcohol amines, Derivatives of. A. K. Epstein and M. Katzman. 2,236,528; Apr. 1.
Alcohol amines, Derivatives of. A. K. Epstein and M. Katzman. 2,236,529; Apr. 1.
Alcohols and derivatives thereof, Production of polyhydric. A. F. A. Reynhart. 2,236,919; Apr. 1.
Alkylation of phenols. C. G. Dryer. 2,236,811; Apr. 1.
Alloy. E. Fetz. 2,236,899; Apr. 1.
Alloy. E. Lemmers. 2,237,184; Apr. 1.
Alloys, Copper-zinc. W. J. Müller and M. Niesaner. 2,236,975; Apr. 1.
Ancillary equipment of coking plants. C. E. Wallin and H. M. Whitworth. 2,237,204; Apr. 1.
Apparatus and method for fabricating laminated trim panels. G. R. Cunnington. 2,236,968; Apr. 1.
Apparatus for applying plastic materials. A. L. Stone. 2,236,737; Apr. 1.
Apparatus for assembling venetian blinds. C. W. Jablon. 2,236,876; Apr. 1.
Apparatus for cleaning preheaters. J. A. Young and J. E. Abernathy, Jr. 2,236,635; Apr. 1.
Apparatus for continuously manufacturing corrugated construction boards. G. J. Arentsen. 2,236,932; Apr. 1.
Apparatus for grinding lenses. R. F. Metzger. 2,236,713; Apr. 1.
Apparatus for grinding lenses. R. F. Metzger. 2,236,714; Apr. 1.
Apparatus for handling and decorating articles. W. H. Nutt. 2,237,058; Apr. 1.
Apparatus for making sheet metal. R. J. Wean and D. A. McArthur. 2,236,962; Apr. 1.
Apparatus for preventing the accumulation of ice. R. S. Colley. 2,237,175; Apr. 1.
Apparatus for processing chocolates. K. Wiemer. 2,236,554; Apr. 1.
Apparatus for producing sugar impregnated fruit products. J. R. Neil. 2,236,602; Apr. 1.
Apparatus for purifying liquid lubricants. M. Armbruster. 2,236,769; Apr. 1.
Apparatus for scarfing the sides of metal bodies. J. L. Anderson. 2,236,743; Apr. 1.
Apparatus for supporting metal coils. L. Iversen and F. J. Waldschutz. 2,236,971; Apr. 1.
Apparatus for the production of music. B. F. Miessner. 2,237,105; Apr. 1.
Apparel, Article of. K. Oppenheimer. 2,236,694; Apr. 1.
Arm rest and support therefor, Surgical. E. E. Longfellow. 2,237,252; Apr. 1.
Article and coating for producing the same, Decorative. A. R. Poschel. 2,236,718; Apr. 1.
Article and method of making it, Molded. W. W. Carter. 2,237,048; Apr. 1.
Article of footwear. C. E. Hosker. 2,237,181; Apr. 1.
Article of manufacture and method of making. R. Jacobs. 2,237,258; Apr. 1.
Articulator, Dental. E. J. Franwick. 2,237,050; Apr. 1.
Arylaminoanthraquinone compounds, Brominated. S. Coffey and F. Lodge. 2,236,672; Apr. 1.
Automobile heater. H. J. De N. McCollum and T. F. Spackman. 2,236,789; Apr. 1.
Axial fastening means for interfitting driven assemblies, Permanent. E. A. Miller. 2,236,804; Apr. 1.
Azeotropic mixtures, Separation of. D. L. Yabroff and E. R. White. 2,236,723; Apr. 1.
Azo dyestuffs. W. H. Cliffe. 2,236,618; Apr. 1.
Back with seat, Folding. J. C. McClelland. 2,237,188; Apr. 1.
Baker, Waffle. L. E. Aske. 2,237,094; Apr. 1.
Ball check for bowling alleys. J. E. Bancroft. 2,236,560; Apr. 1.
Barrier, Highway. T. R. Minert. 2,237,106; Apr. 1.
Baseboard, Plaster. H. W. Piquet. 2,237,195; Apr. 1.
Basket. G. E. Zapp. 2,236,637; Apr. 1.
Bathtub and seat, Combination. J. L. Thomas. 2,236,927; Apr. 1.
Bathtub support for infants, Safety. C. H. Fischer 2,237,177; Apr. 1.
Bearing for the top rolls of card room drawing, Self-lubricating ball. J. L. King. 2,237,004; Apr. 1.
Bearing members, Treating. F. H. Given. 2,236,728; Apr. 1.
Bed lamp. B. A. Mitchell. 2,236,778; Apr. 1.
Bedpan. H. Kemp. 2,236,643; Apr. 1.
Belt. A. L. Andrews. 2,237,022; Apr. 1.
Belt, Conveyer. A. Brill. 2,237,173; Apr. 1.
Belts, Method and apparatus for making. W. B. Freeman. 2,237,178; Apr. 1.
Beverage dispensing system. C. Stoebrer. 2,237,014; Apr. 1.
Binder, Display. A. M. Barrett. 2,236,591; Apr. 1.
Binder, Magazine. L. Davio. 2,236,771; Apr. 1.
Birdhouse. M. F. Booth. 2,236,593; Apr. 1.
Bit: *See*—
  Drill bit.
Blade, shrouding, Turbine. S. S. Stine and W. E. Brown. 2,237,121; Apr. 1.
Blower for boilers, Soot. E. Blasdell. 2,237,044; Apr. 1.
Bolt. H. R. Matthews. 2,237,236; Apr. 1.
Booklet, Envelope. F. L. Wassell. 2,237,205; Apr. 1.
Bottle cap. A. Robinson. 2,237,162; Apr. 1.
Bottle dispensing machine. C. C. Kuhl. 2,236,688; Apr. 1.
Box forming machine. W. E. Pope. 2,236,835; Apr. 1.
Brake: *See*—
  Airplane tail wheel brake. Railroad car hand brake.
Brake. A. E. Ludwig. 2,236,776; Apr. 1.
Brake. A. E. Ludwig. 2,236,777; Apr. 1.
Brake. L. R. Williamson. 2,237,170; Apr. 1.
Brake and hub assembly. J. E. Casner. 2,237,095; Apr. 1.
Brake body particularly adapted for bicycle hubs, Spreadable. A. Lesage. 2,236,508; Apr. 1.
Brake construction. H. T. Lambert. 2,237,234; Apr. 1.
Brake impulse regulator for trailers, Hydraulic. J. R. Watson. 2,237,206; Apr. 1.
Brake mechanism. C. L. Ekserglan. 2,236,898; Apr. 1.
Brake or clutch, Hydraulic. C. J. Wunderle. 2,236,556; Apr. 1.
Brake step for railway cars. S. J. Strid. 2,236,654; Apr. 1.
Brake unit. H. T. Lambert. 2,237,233; Apr. 1.
Bread improver. H. H. Bunzell. 2,236,867; Apr. 1.
Breast flap press. S. W. Potter. 2,236,613; Apr. 1.
Brush supporting and operating mechanism for welding machines and the like. F. M. Darner and R. A. Shryock. 2,236,707; Apr. 1.
Buckle. P. W. White. 2,236,586; Apr. 1.
Building construction. W. T. Birdsong. 2,237,212; Apr. 1.
Building construction. H. E. Raymond. 2,237,198; Apr. 1.
Bumper, Pneumatic. A. F. Kreitz. 2,236,507; Apr. 1.
Cabinet: *See*—
  Knock down cabinet.
Cable and structural shape cutter. P. S. Pell and A. F. Wallace. 2,236,833; Apr. 1.
Cable joint and forming same. E. Williams and C. P. Xenis. 2,236,862; Apr. 1.
Cable joint and forming same. E. Williams and C. P. Xenis. 2,236,863; Apr. 1.
Cake and pie piecer. F. C. McGill. 2,236,626; Apr. 1.

Calcium with magnesium, Alloying. C. E. Nelson. 2,236,831; Apr. 1.
Calculating apparatus. H. J. Furber. 2,236,792; Apr. 1.
Calculating machine. R. E. H. Hanson. 2,236,640; Apr. 1.
Camera supporting head. F. B. Diesbach. 2,237,281; Apr. 1.
Can closing machine. A. Nickels. 2,237,109; Apr. 1.
Can opener. F. E. Fender. 2,237,138; Apr. 1.
Can opener. T. A. Long. 2,236,974; Apr. 1.
Cap: *See*—
  Bottle cap.
Car construction. S. B. Haseltine. 2,236,596; Apr. 1.
Carbon economizing means for electric arc apparatus. H. Levy. 2,236,799; Apr. 1.
Carburetor. J. R. Fish. 2,236,595; Apr. 1.
Carcass dipping apparatus. A. E. Ozouf. 2,236,605; Apr. 1.
Card, Display. W. H. Weil. 2,237,266; Apr. 1.
Carpet, Stair. E. M. Herschmann. 2,237,224; Apr. 1.
Carton and method of manufacture. L. E. Arneson. 2,236,664; Apr. 1.
Carton, Egg. R. Sandell. 2,236,952; Apr. 1.
Casing for electrical installations. J. N. Blank. 2,236,787; Apr. 1.
Catalyst, Gel-type oxide. R. E. Burk and E. C. Hughes. 2,236,514; Apr. 1.
Cathode ray tube. F. J. G. van den Bosch. 2,237,065; Apr. 1.
Cathode ray tube vessel. W. H. Grimditch. 2,236,708; Apr. 1.
Cellulose derivatives, Application of. V. J. Flynn. 2,237,218–22; Apr. 1.
Cements and products made therefrom and process pertaining thereto, Neutralization of rubber hydrochloride. C. W. Walton. 2,237,125; Apr. 1.
Centrifugal pump. R. D. Schott. 2,236,953; Apr. 1.
Cereal products, Treatment of. A. R. Sasse. 2,237,090; Apr. 1.
Chain: *See*—
  Expansion link chain.
Chain for transplanting machines, Plant gripper. I. Pomieraniec. 2,237,197; Apr. 1.
Chair for invalids, Bath. C. D. Kenney, J. L. Driscoll, and F. Baier. 2,237,076; Apr. 1.
Check endorsing machine. S. Brand. 2,237,269; Apr. 1.
Chemical process. D. F. Babcock, C. H. Greenewalt, and H. Worthington. 2,236,963; Apr. 1.
Chemical process and apparatus. D. F. Babcock. 2,236,965; Apr. 1.
Chiropractic portable folding table. C. F. Atwell. 2,236,770; Apr. 1.
Chronograph. T. K. Riggen. 2,236,719; Apr. 1.
Chuck, Collapsible wheel. J. A. Burkart. 2,237,214; Apr. 1.
Cigar making machine. C. F. Röber and E. Röthig. 2,236,651; Apr. 1.
Cigarette making machine, Mouthpiece. R. E. Rundell. 2,236,579; Apr. 1.
Cigarette manufacturing machine. P. J. Herrmann. 2,237,033; Apr. 1.
Circuit: *See*—
  Keying circuit. Valve control circuit.
  Negative impedance circuit.
Circuit and plug connection, Electric. G. S. Braun. 2,237,023; Apr. 1.
Circuit interrupter. J. Sandin and B. B. Paul. 2,236,580; Apr. 1.
Clamp: *See*—
  Condenser clamp. Welding patch clamp.
Clamp mounting with window lock and alarm, Combination. A. O. Vinz. 2,237,019; Apr. 1.
Clamper for battery posts, Terminal. V. Elfert. 2,237,097; Apr. 1.
Clamping ring. J. R. Proctor. 2,236,649; Apr. 1.
Cleaner: *See*—
  Vacuum cleaner.
Cleanout fitting. S. Clark. 2,236,937; Apr. 1.
Clip: *See*—
  Cord grip clip.
Clipper, Hair. J. K. Priest. 2,236,918; Apr. 1.
Closure device for containers, Safety. J. M. Fannu. 2,236,622; Apr. 1.
Clutch actuating mechanism. W. T. Botter. 2,236,704; Apr. 1.
Clutch mechanism. T. O. Hall. 2,237,223; Apr. 1.
Clutch mechanism. W. F. Shurts and D. A. Baird. 2,236,652; Apr. 1.
Clutch operating mechanism for automatic screw machines. A. F. Jelinek and W. E. Gross. 2,237,183; Apr. 1.
Coating. G. Schneider. 2,236,766; Apr. 1.
Coating apparatus, Cataphoretic. E. G. Widell. 2,236,861; Apr. 1.
Coating, Blueprint. R. B. Barnes, L. P. Moore, and G. P. Ham. 2,237,084; Apr. 1.
Coating composition. J. J. Scott and W. P. Baria. 2,236,840; Apr. 1.
Coin collector. F. A. Hoyt and O. A. Shann. 2,236,571; Apr. 1.
Coin registering device, Photoelectric. A. B. Christensen. 2,237,132; Apr. 1.
Coke handling mechanism. M. D. Curran. 2,237,134; Apr. 1.

Collecting and conveying apparatus for sweepers. R. C. Evans. 2,236,815; Apr. 1.
Colloids of urea-aldehyde-carbohydrate ether products, Water-soluble. K. Sponsel. 2,237,240; Apr. 1.
Color matching aid device. F. Scheuer. 2,237,165; Apr. 1.
Colors and product, Coloring. V. M. Darsey, J. S. Thompson, and E. W. Goodspeed. 2,236,549; Apr. 1.
Combustion apparatus. J. E. McAdams. 2,236,601; Apr. 1.
Comestibles, Method and apparatus for multistage freezing of. W. J. Finnegan. 2,237,256; Apr. 1.
Comestibles, Method and apparatus for quick freezing and handling of. W. J. Finnegan. 2,237,255; Apr. 1.
Communication system. A. M. Curtis and A. E. Melhose. 2,236,524; Apr. 1.
Compass, Remote registering. N. F. McFaddan. 2,236,543; Apr. 1.
Compass, Tachymetric. G. Moiola. 2,236,949; Apr. 1.
Composition, Heat sealing moistureproofing. J. A. Mitchell. 2,236,546; Apr. 1.
Composition, Lubricating. F. Norton. 2,236,915; Apr. 1.
Composition of matter. F. J. Cahn and B. R. Harris. 2,236,517; Apr. 1.
Compounds of keratin degradation products, Manufacture of therapeutically valuable. K. Schollkopf. 2,236,921; Apr. 1.
Compressor. N. Herzmark. 2,236,853; Apr. 1.
Compressor mechanism for filing trays or drawers. A. T. Swimmer. 2,236,807; Apr. 1.
Computing machine. E. E. Phinney. 2,237,089; Apr. 1.
Concrete, Cellular. I. C. Bechtold and J. E. McKinney. 2,236,988; Apr. 1.
Condenser clamp. A. H. Beggs. 2,236,496; Apr. 1.
Conduit rest section, Vitreous clay. A. P. McDonald. 2,236,801; Apr. 1.
Conduit section, Vitreous clay. A. P. McDonald. 2,236,802; Apr. 1.
Connection for tubing, Flexible. N. M. Couty. 2,236,967; Apr. 1.
Conservator mechanism. H. J. Furber. 2,236,793; Apr. 1.
Constant frequency generator. T. B. Gibbs. 2,236,532; Apr. 1.
Container: *See*—
  Display container. Merchandise container.
Container cap lock, Fluid. I. H. Minkow and L. W. Kaniewski. 2,237,192; Apr. 1.
Container fastening means. P. Zalkind. 2,236,557; Apr. 1.
Containers, Galvanizing substantially closed. A. Marland. 2,237,259; Apr. 1.
Control apparatus, Electrical speed-change. E. S. Bush. 2,236,746; Apr. 1.
Control device for beer dispensing systems. R. T. Cornelius. 2,236,619; Apr. 1.
Control device for electric alarms. J., H., and R. Lemire. 2,236,689; Apr. 1.
Control mechanism for power operated gear shifting apparatus. K. Maybach, C. Böttner, E. Glücker, and G. Meyer. 2,236,646; Apr. 1.
Control system. F. S. Denison. 2,237,248; Apr. 1.
Control system. J. W. McNairy. 2,237,008; Apr. 1.
Control system, Selective fading. G. L. Beers. 2,236,497; Apr. 1.
Control transmission mechanism. B. Stärke. 2,236,653; Apr. 1.
Cooker and heater. W. W. Owens. 2,237,081; Apr. 1.
Cooler: *See*—
  Liquid cooler.
  Spark plug and engine cooler.
Cooling device. I. Kotcher. 2,236,644; Apr. 1.
Copper fungicide. C. F. Booth, and H. J. Krase. 2,237,045; Apr. 1.
Cord grip clip. J. G. Peterson. 2,236,764; Apr. 1.
Couch, Convertible studio. T. Foster. 2,236,753; Apr. 1.
Coupling device. J. A. Worcester, Jr. 2,236,982; Apr. 1.
Coupling means, Dumbwaiter biparting door. Le R. H. Kiesling. 2,237,232; Apr. 1.
Covering, Article. A. E. Ushakoff. 2,236,552; Apr. 1.
Cream, Dental. F. W. Muncie. 2,236,828; Apr. 1.
Cuff link, Self-retaining. F. A. Bullock. 2,236,788; Apr. 1.
Cultivator. A. Ronning. 2,236,630; Apr. 1.
Cultivator dammer. A. Nielsen. 2,236,832; Apr. 1
Current-converting system, Vibrator. O. Kiltie. 2,237,003; Apr. 1.
Curtain support. E. F. Gale. 2,237,141; Apr. 1.
Cutter: *See*—
  Cable and structural shape cutter. Rotary cutter.
  Turf cutter.
Cutter attachment for plows, Peanut. J. C. Whitton. 2,236,931; Apr. 1.
Decoy. B. E. Ohnmacht. 2,237,194; Apr. 1.
Deflector, Bumper and stone. R. Cadwallader and E. C. Dodt. 2,236,670; Apr. 1.
Defroster for windshields of motor vehicles. J. Toolan. 2,237,124; Apr. 1.
Dehydrator. P. D. Kilbury. 2,236,711; Apr. 1.
Detector and electrical contactor through insulated conductors, Trouble. C. Mantilla. 2,237,187; Apr. 1.
Device for applying rubber bands. W. W. Camp. 2,236,936; Apr. 1.

Device for dosing flush systems. C. Railton. 2,236,857; Apr. 1.
Dialing arrangement for substation senders. M. R. Feinberg. 2,236,997; Apr. 1.
Diaphragm adjusting mechanism for photographic cameras, Automatic. O. Steiner. 2,236,925; Apr. 1.
Diesel engine. N. O. Allyn. 2,236,742; Apr. 1.
Diesel engine, Two-cycle opposed-piston. F. W. Plumb. 2,237,113; Apr. 1.
Directional register. J. H. and F. T. Bailey. 2,236,865; Apr. 1.
Dishwashing machine. E. A. Forsberg. 2,236,791; Apr. 1.
Disk harrow. R. H. Mitchell. 2,237,009; Apr. 1.
Dispenser: *See*—
Ice dispenser. Plastic material dispenser.
Dispensing and mixing apparatus for liquefied gas. E. H. Gill. 2,237,052; Apr. 1.
Dispensing apparatus. E. R. Crebbs. 2,236,993; Apr. 1.
Dispensing device. J. R. Ayotte. 2,236,786; Apr. 1.
Dispensing device. C. C. Oberly. 2,236,731; Apr. 1.
Dispensing device, Liquid. J. Askin. 2,237,246; Apr. 1.
Display container. J. D. Clarke. 2,236,749; Apr. 1.
Display container. M. Weinman. 2,237,126; Apr. 1.
Display standard, Two-way. R. B. Bishop. 2,236,888; Apr. 1.
Distillation. G. S. Dunham. 2,237,271; Apr. 1.
Distributor, Fluid. R. O. Friend, J. A. Montgomery, and W. F. Schaller. 2,236,943; Apr. 1.
Distributor, Poison powder. C. A. Johnson. 2,237,229; Apr. 1.
Dividing machine. U. M. W. Kölm. 2,237,150; Apr. 1.
Door: *See*—
Vehicle door.
Door construction, Car. J. Lukaszewski. 2,236,912; Apr. 1.
Door fastener. W. M. Dwyer. 2,236,594; Apr. 1.
Door lock. A. C. Andersen. 2,236,702; Apr. 1.
Door stop. A. F. Kaptuller. 2,237,148; Apr. 1.
Dowel. O. C. Surface. 2,236,926; Apr. 1.
Draft gear. C. C. Auel. 2,237,171; Apr. 1.
Draft means for locomotives. A. M. Bevier. 2,236,744; Apr. 1.
Drafting machine. V. B. Wallace. 2,236,656; Apr. 1.
Drawer or door holding device. J. G. Edelen. 2,236,938; Apr. 1.
Drill bit. C. B. Gerardi. 2,236,944; Apr. 1.
Egg whites, Treating. V. D. Littlefield and N. C. Fischer. 2,237,087; Apr. 1.
Egg whites, Treatment of. N. C. Fischer. 2,236,773; Apr. 1.
Electric control system. J. L. Stratton. 2,237,015; Apr. 1.
Electric discharge tube comprising a fluorescent screen. M. C. Teves. 2,237,123; Apr. 1.
Electric limit switch. V. H. Fry. 2,236,680; Apr. 1.
Electric switch. J. G. Peterson. 2,236,763; Apr. 1.
Electron discharge device. A. J. W. M. van Overbeek. 2,236,860; Apr. 1.
Electronic discharge devices, Testing of. E. G. Shower. 2,236,977; Apr. 1.
Electronic tube. O. T. McIlvaine. 2,236,647; Apr. 1.
Elements for bading wheel, Assembling. E. W. Hall. 2,236,901; Apr. 1.
Enamel, more particularly white clouded enamel, Producing. I. Krekll. 2,236,852; Apr. 1.
Endoscopic instrument. W. G. Allyn. 2,236,842; Apr. 1.
Energy distance determining system, Radiant. J. G. Chaffee. 2,236,893; Apr. 1.
Engine: *See*—
Diesel engine. Solid injection engine.
Engine. N. O. Allyn. 2,236,741; Apr. 1.
Engine. S. M. Swensen. 2,236,738; Apr. 1.
Engines, Starting Diesel. O. Yamashita. 2,236,634; Apr. 1.
Envelope. A. E. Barrett. 2,237,085; Apr. 1.
Envelope machine. G. W. Anderson. 2,237,067; Apr. 1.
Envelope, Two compartment. E. R. White. 2,236,659; Apr. 1.
Equipment foundation of sectional type. C. H. Hunsaker and J. B. Wheeler. 2,236,775; Apr. 1.
Esters of alcohol amine derivatives, Sulphocarboxylic acid. A. K. Epstein and M. Katzman. 2,236,530; Apr. 1.
Esters of hydroxy polycarboxylic acid derivatives. F. J. Cahn and R. R. Harris. 2,236,516; Apr. 1.
Ethers, Cellulose. C. Coolidge. 2,236,523; Apr. 1.
Ethers, Cellulose. F. C. Hahn. 2,236,533; Apr. 1.
Ethers, Preparation of. C. J. Strosacker and F. C. Amstutz. 2,237,241; Apr. 1.
Ethers, Process of xanthating cellulose. R. W. Maxwell. 2,236,544; Apr. 1.
Evaporator. O. J. Knenhold. 2,236,538; Apr. 1.
Evaporator for refrigerating apparatus of the compression type. R. Hintze. 2,236,505; Apr. 1.
Expansion link chain. C. B. Greenberg. 2,236,820; Apr. 1.
Fabric: *See*—
Elastic fabric.
Fabric, Elastic. A. J. Lumsden. 2,236,758; Apr. 1.
Fan structure. E. Newnham. 2,237,039; Apr. 1.
Fastener: *See*—
Door fastener.
Fastening device. G. A. Hanaman. 2,236,850; Apr. 1.
Fastening device. G. A. Tinnerman. 2,236,929; Apr. 1.
Faucet. R. T. Cornelius. 2,236,620; Apr. 1.
Feeder: *See*—
Printing press feeder.
Feeding device. F. M. Slater. 2,236,700; Apr. 1.
Feeding device for can bodies. A. M. Cameron. 2,236,747; Apr. 1.
Feeding, severing, and controlling mechanism, for photographic copying machines. P. Landrock and A. W. Caps. 2,236,712; Apr. 1.
Felt and manufacture of same, Reconstituted. H. W. Greider and M. F. Smith. 2,236,900; Apr. 1.
Felt, Drier. J. R. L. Santos. 2,237,115; Apr. 1.
Ferroalloys, Simultaneous production of magnesium and low carbon. E. A. Pokorny. 2,237,011; Apr. 1.
Filling device. J. H. Pickens. 2,236,834; Apr. 1.
Filter: *See*—
Receiver cap acoustic filter.
Fire extinguisher. H. Bradshaw. 2,236,513; Apr. 1.
Fishing rod handle. V. B. Nelson. 2,236,603; Apr. 1.
Flat knitting machine. B. Dori and S. Gangi. 2,236,995; Apr. 1.
Flier for covering spindle. O. W. Schlums. 2,237,062; Apr. 1.
Float valve. O. F. Carlson. 2,237,174; Apr. 1.
Flow controlling device. L. S. Hamer. 2,236,873; Apr. 1.
Flow regulating and control device. L. C. Coney. 2,237,215; Apr. 1.
Fluid pressure regulator and flow control device. C. H. Cleveland. 2,237,070; Apr. 1.
Flusher, Gear case. G. O. Taylor and E. V. Bunting. 2,236,784; Apr. 1.
Foils or film of cellulose triacetate, Production of. K. Nagel, J. Selb, L. Scheffer, and K. Werner. 2,236,648; Apr. 1.
Folding, Method of and machine for. C. A. Newhall. 2,236,604; Apr. 1.
Food product and making same. E. L. Cocke and B. H. Tickner, II. 2,236,844; Apr. 1.
Food products and the processing thereof. B. H. Karmen. 2,236,641; Apr. 1.
Footrest. J. A. Yusek. 2,236,983; Apr. 1.
Fork, Dispensing. J. and J. Parvu. 2,236,606; Apr. 1.
Formaldehyde solutions, Stabilization of. R. C. Swain and P. Adams. 2,237,092; Apr. 1.
Fuel control for fluid fuel burners. A. N. Schreuder. 2,237,041; Apr. 1.
Fuel control means, Liquid. S. W. E. Andersson. 2,236,559; Apr. 1.
Fuel injection apparatus for internal combustion engines. W. Voit and J. Weber. 2,236,553; Apr. 1.
Fungicide. A. S. Johnston. 2,236,540; Apr. 1.
Furnace construction, Blast. A. J. Boynton. 2,236,991; Apr. 1.
Furniture, Article of. J. B. Rock. 2,236,951; Apr. 1.
Furniture, Store. P. Muse. 2,237,080; Apr. 1.
Fuse puller. J. R. Foley. 2,236,941; Apr. 1.
Game. R. W. Hilton. 2,236,536; Apr. 1.
Game apparatus. E. A. Herr. 2,236,729; Apr. 1.
Game or amusement apparatus. J. C. K. Swan and H. B. Roy. 2,237,122; Apr. 1.
Gas detector. R. E. Davis. 2,236,525; Apr. 1.
Gas-lift valve. J. B. Worthington and G. R. McGee. 2,236,864; Apr. 1.
Gear: *See*—
Draft gear. Transmission gear.
Gear changing mechanism. G. E. Weston. 2,237,127; Apr. 1.
Gear device, Automatically variable change speed. D. W. Berlin. 2,236,639; Apr. 1.
Gear shifting mechanism. H. W. Price. 2,237,264; Apr. 1.
Gears, Method and apparatus for cutting. M. H. Johanson. 2,236,909; Apr. 1.
Gelatin layers to supports of polymerized vinylchloride, Attaching. K. Thinius. 2,237,017; Apr. 1.
Generator: *See*—
Constant frequency generator. Pilot generator.
Germ product from farinaceous stock, Extracting pure. H. M. Sutton and F. E. Wood. 2,236,806; Apr. 1.
Getter for electron discharge devices. R. B. Vandegrift. 2,236,859; Apr. 1.
Glass articles and manufacturing the same, Coated. B. Long. 2,236,911; Apr. 1.
Glass, Method and batch for making colored. H. A. Truby. 2,237,042; Apr. 1.
Glass, Preparing cellular. W. O. Lytle. 2,237,037; Apr. 1.
Glider, Rotating. J. M. H. Jacobs. 2,236,877; Apr. 1.
Glycolic acid, Cellulose. R. W. Maxwell and L. L. Larson. 2,236,545; Apr. 1.
Golf practicing device. E. C. Gillette. 2,236,500; Apr. 1.
Golf target. A. E. Daigle. 2,236,869; Apr. 1.
Governing mechanism. A. F. Schwendner. 2,237,118; Apr. 1.
Governor control mechanism. E. McCormick. 2,236,803; Apr. 1.
Grinding machine. C. S. Brykczynski and J. Kosman. 2,236,843; Apr. 1.
Gripper operating mechanism for transplanting machines. I. Pomeraniec. 2,237,196; Apr. 1.
Grooving machine. N. A. Mondis. 2,236,547; Apr. 1.
Guard, Electric lamp. J. R. Foley. 2,236,940; Apr. 1.
Guard for punch presses, Safety. J. MacBlane. 2,236,730; Apr. 1.

Guard, Window. H. R. Ellis. 2,237,217; Apr. 1.
Gut strings, Process and apparatus for making. C. G. Bjorkman. 2,236,511; Apr. 1.
Hairspring bending apparatus. W. Hoffsommer. 2,236,907; Apr. 1.
Handle: *See*—
Fishing rod handle. Pivoted handle.
Handle structure for sadirons and the like. R. I. Huffman. 2,237,034; Apr. 1.
Handling apparatus, Food. T. C. Brookhart and D. A. Meeker. 2,237,047; Apr. 1.
Harrow. O. W. Oerman. 2,236,780; Apr. 1.
Hatbox. E. G. Speeger. 2,236,858; Apr. 1.
Hatch construction. W. E. Bikle. 2,236,667; Apr. 1.
Head unit, Physician's. S. Golub and B. Frommer. 2,236,819; Apr. 1.
Headlight and fog light, Combined. J. H. Curry. 2,236,845; Apr. 1.
Headlight, Motor vehicle. A. Frazier. 2,236,942; Apr. 1.
Heat economizer, Furnace. B. G. Cross. 2,236,750; Apr. 1.
Heat exchangers, Making. C. F. Rosenblad. 2,236,976; Apr. 1.
Heat responsive control system. A. Mathisen and H. M. Salmond. 2,236,958; Apr. 1.
Heat sealing device. H. E. Haliman. 2,236,685; Apr. 1.
Heater: *See*—
Automobile heater. Tank water heater.
Heater for water tanks, Electric. A. J. Knez. 2,237,151; Apr. 1.
Heating equipment. D. G. Jensen. 2,237,054; Apr. 1.
Heating system, Automobile. E. C. Booth. 2,236,889; Apr. 1.
Hinge construction for cooking devices. D. W. Gustaveson. 2,237,000; Apr. 1.
Hitch, Trailer. G. B. Schoenrock. 2,237,166; Apr. 1.
Hobbyhorse. M. Fedak. 2,236,678; Apr. 1.
Holder: *See*—
Twine holder.
Holder for arc welding, Safety electrode. F. W. Hackmeyer. 2,236,849; Apr. 1.
Holding device for closures, Releasable. A. H. Breitenwischer. 2,237,046; Apr. 1.
Hood fastener mechanism. E. F. Reynolds. 2,237,060; Apr. 1.
Horn for portable phonographs, Phonograph. R. H. Coffren. 2,236,520; Apr. 1.
Horn ring. J. H. Little. 2,237,055; Apr. 1.
Hosiery. J. C. J. Strahan. 2,236,584; Apr. 1.
Hub, Steering wheel. C. E. Davy. 2,236,674; Apr. 1.
Hydraulic disruption of solids. W. F. Court. 2,236,895; Apr. 1.
Hygrometer, Electric. L. R. Koller. 2,237,006; Apr. 1.
Ice dispenser. R. D. McCormack and K. T. Orrison. 2,237,189; Apr. 1.
Ice picking and grading machine. T. F. Lilly. 2,237,078; Apr. 1.
Ignition and combustion control. E. K. Scoggin and F. S. Denison. 2,237,237; Apr. 1.
Ignition control means. L. V. Soderholm. 2,237,120; Apr. 1.
Impact switch. O. E. Grigsby. 2,236,872; Apr. 1.
Indicator: *See*—
Stock record indicator.
Indicator for radio sets, Optical tuning. O. Tuxen. 2,237,093; Apr. 1.
Inductive device. E. C. Hagemann. 2,236,684; Apr. 1.
Inertia element operated device. H. M. Salmond and A. Mathisen. 2,236,959; Apr. 1.
Inertia eliminator. W. F. Ocenasek. 2,236,854; Apr. 1.
Inertia switch. R. Erich. 2,236,790; Apr. 1.
Ink. R. E. Coleman. 2,236,521; Apr. 1.
Ink for carbon paper. S. A. Neldich. 2,236,602; Apr. 1.
Ink fountain conversion device for printing presses. R. D. Plaisted. 2,236,805; Apr. 1.
Inlaying articles. J. J. Larmour. 2,237,152; Apr. 1. 2,237,245; Apr. 1.
Inner tube. R. F. Wilson and W. L. Klingman.
Internal combustion engine operating with compression ignition, Two-stroke. H. R. Ricardo. 2,236,950; Apr. 1.
Ironing board support. W. A. Noack. 2,236,717; Apr. 1.
Jack. E. Johnson. 2,237,230; Apr. 1.
Jack for motor vehicles, Hydraulic fluid. A. Skavinsky. 2,237,167; Apr. 1.
Joint: *See*—
Universal joint.
Ketosteroids, Biochemical manufacture of. H. Koester, L. Mamoli, and A. Vercellone. 2,236,574; Apr. 1.
Keyboard for musical instruction, Block. W. H. Adams. 2,236,638; Apr. 1.
Keying circuit. F. Hahndorf. 2,237,101; Apr. 1.
Kit and process, Buckle making. L. E. McDonough. 2,237,158; Apr. 1.
Knitting machine. R. H. Coleman and O. D. Hunt. 2,236,270; Apr. 1.
Knitting machine, Jacquard. B. Derl and S. Gangi. 2,236,994; Apr. 1.
Knitting method and machine. H. E. Houseman. 2,237,143; Apr. 1.
Knitting method and machine. H. E. Houseman. 2,237,145; Apr. 1.
Knockdown cabinet. H. Derman. 2,236,870; Apr. 1.
Knockdown support. H. F. Maynes. 2,236,826; Apr. 1.
Lamp: *See*—
Airplane running light. Bed lamp.
lamp.
Last determinator. I. R. Waltman. 2,236,739; Apr. 1.
Lasting and sewing machine, Shoe. J. M. Whelton. 2,237,169; Apr. 1.
Latching mechanism. W. S. Saunders. 2,236,735; Apr. 1.
Lateral control for airplanes. R. Robert. 2,236,838; Apr. 1.
Lath, Producing metal. H. M. Gersman. 2,237,051; Apr. 1.
Lawn mower. G. H. Stoner. 2,236,612; Apr. 1.
Lead powder, Manufacturing oxidized. H. D. Wilson. 2,237,043; Apr. 1.
Leads and lead-tin alloys, Purifying tinny. G. E. Behr. 2,237,129; Apr. 1.
Lever mechanism, Operating. A. Oberhoffken. 2,236,732; Apr. 1.
Lighter. G. P. Schmitt. 2,237,117; Apr. 1.
Lighter, Cigar. A. A. Johnson. 2,237,250; Apr. 1.
Lighting fixture. M. B. Beck. 2,236,561; Apr. 1.
Liquid cooler. B. G. Newhall. 2,237,107; Apr. 1.
Liquid pump or motor. G. A. Ungar. 2,236,980; Apr. 1.
Lock: *See*—
Container cap lock. Door lock.
Lock and lift, Combined sash. J. Wing. 2,236,722; Apr. 1.
Loop forming device, Wire. J. Heidrich. 2,236,503; Apr. 1.
Loop-taker mechanism for sewing machines. W. Myers. 2,236,830; Apr. 1.
Lubricant. F. E. Dearborn. 2,237,096; Apr. 1.
Lubricant, Synthetic. B. H. Lincoln, G. D. Byrkit, and W. L. Steiner. 2,236,910; Apr. 1.
Lubricating system. J. E. Rosnell and J. A. Triska. 2,237,253; Apr. 1.
Machine for use in the manufacture of shoes. S. J. Finn. 2,236,531; Apr. 1.
Magazine for roll film photographic cameras, Film. G. B. Pollock. 2,236,917; Apr. 1.
Mahogany sulphonates, Treating crude. J. A. Beck, Jr. 2,236,933; Apr. 1.
Marine foundation and method of construction. H. E. Gross. 2,236,682; Apr. 1.
Marker. J. J. Jobe. 2,237,228; Apr. 1.
Marking machine, Fruit. F. Ahlburg and D. H. Bradley. 2,236,740; Apr. 1.
Material, Annealing magnetic. C. A. Scharschu. 2,237,061; Apr. 1.
Material as in solid fuel feeding, Conveying. W. H. Sloan. 2,237,200; Apr. 1.
Material, Baling. E. B. Nolt. 2,236,628; Apr. 1.
Material control means for spray appliances. H. L. Striegel. 2,236,551; Apr. 1.
Material disintegrating and air classifying system. W. B. Prouty. 2,236,548; Apr. 1.
Material for improved engine operation. W. J. Backoff, N. D. Williams, J. F. O'Loughlin, H. L. Moir, and J. S. Yule. 2,236,590; Apr. 1.
Material, Packing. W. J. De Reamer. 2,236,675; Apr. 1.
Material, Printing transparent. I. Gurwick. 2,236,754; Apr. 1.
Mattress and the like, Pneumatic. R. W. Sampson. 2,237,012; Apr. 1.
Measuring device. J. N. Selvig. 2,236,583; Apr. 1.
Meat product. B. E. Williams and L. L. Cadwell. 2,237,277; Apr. 1.
Mechanical movement. V. V. Kunkel. 2,236,756; Apr. 1.
Mechanism for division. H. J. Furber. 2,236,794; Apr. 1.
Mechanism for reverse drive. W. M. Thomas and J. Cotal. 2,236,631; Apr. 1.
Merchandise coutainer. J. R. Dorman. 2,237,176; Apr. 1.
Metal compounds and making same, Complex. F. Straub and P. Pieth. 2,236,954; Apr. 1.
Metal particles in nonmetallic material, Method and apparatus for detecting. W. C. Broekhuysen. 2,237,254; Apr. 1.
Metal strip, Making corrosion resistant. R. A. Wilkins. 2,237,243; Apr. 1.
Metals, Heat tempering and hardening method for. G. W. Watson. 2,236,810; Apr. 1.
Meter construction, Watthour. F. C. Holtz. 2,237,142; Apr. 1.
Milk filter pad. F. C. Broeman. 2,236,892; Apr. 1.
Milking system. T. S. Haselton. 2,236,851; Apr. 1.
Mill housing, Three-high. E. T. Peterson. 2,237,040; Apr. 1.
Mining drill and bit. W. Cook. 2,237,133; Apr. 1.
Mixing, inspection, and casing machine for bottled goods. C. W. Gibbs. 2,236,945; Apr. 1.
Modulating system. D. B. Penick. 2,236,856; Apr. 1.
Molding for composite furniture top construction, Sectional edge. J. H. Page. 2,236,855; Apr. 1.
Motion mechanism, Intermittent. H. J. Nichols. 2,237,108; Apr. 1.
Motor and dynamo. L. W. van der Heem. 2,236,956; Apr. 1.
Motor control system, Electric. E. F. W. Alexanderson. 2,236,984; Apr. 1.
Mounting: *See*—
Ophthalmic mounting. Optical mounting.
Mounting for rear view mirrors and the like. D. E. Reed. 2,237,282; Apr. 1.

Mouthpiece for all brass musical instruments, Cushioned and vacuum. A. S. Hulsaver. 2,236,875; Apr. 1.
Mower. R. S. Kinkead. 2,237,005; Apr. 1.
Mower, Lawn. G. D'Agostino. 2,237,210; Apr. 1.
Mowing machine. R. W. Hautzenroeder. 2,236,598; Apr. 1.
Multiplying machine. A. H. Dickinson. 2,237,136; Apr. 1.
Multiplying mechanism. H. J. Furber. 2,236,795; Apr. 1.
Musical instrument, Stringed. J. W. Knopp. 2,236,946; Apr. 1.
Music stand. S. Skamser. 2,236,610; Apr. 1.
Negative impedance circuit. R. C. Mathes. 2,236,690; Apr. 1.
Nonfibrous structure and method for preparing the same. D. E. Drew. 2,236,526; Apr. 1.
Oil burning apparatus. W. J. Smith and W. W. Slaght. 2,236,924; Apr. 1.
Oil, Lubricating. L. L. Davis, B. H. Lincoln, and G. D. Byrkit. 2,236,896–7; Apr. 1.
Oils, Dewaxing hydrocarbon. E. Petty. 2,236,765; Apr. 1.
Oils, Synthesis of chlorinated, saturated and unsaturated hydrocarbon. H. R. Kipper. 2,236,796; Apr. 1.
Ophthalmic mounting. C. O. Cozzens. 2,236,565; Apr. 1.
Optical mounting. E. C. Manderfeld. 2,236,509; Apr. 1.
Optical systems, Adjusting. A. S. Blumenfeld. 2,236,990; Apr. 1.
Oscillator. E. H. B. Bartelink. 2,236,985; Apr. 1.
Oscillator, Relaxation. W. A. Depp. 2,237,135; Apr. 1.
Oven and apparatus for operation of the same, By-product coke. P. M. Pinckard. 2,236,782; Apr. 1.
Oven, Baking. L. D. Houlis. 2,236,755; Apr. 1.
Package, Protective. L. R. Morse. 2,236,577; Apr. 1.
Packaging machine, Automatic. R. W. Smith. 2,237,119; Apr. 1.
Pad: *See*—
Milk filter pad.
Pad and tie for infants' chairs, Back. P. J. Meyer. 2,237,057; Apr. 1.
Pail, Mop. W. B. Hite, Jr. 2,236,570; Apr. 1.
Paint. R. A. Crawford. 2,237,024; Apr. 1.
Pan, Broiling. C. W. Broadley. 2,236,992; Apr. 1.
Pants or slacks. L. V. Young. 2,236,636; Apr. 1.
Paper, Coated. D. B. Bradner. 2,237,068; Apr. 1.
Paper, Coated. F. H. Frost. 2,236,847; Apr. 1.
Paper handling mechanism for accounting machines. W. A. Anderson. 2,236,588; Apr. 1.
Paper ruling machine. C. E. Clarke, R. T. Duffy, and J. W. Cloutier. 2,236,724–6; Apr. 1.
Paper shredder. E. I. Flateboe. 2,236,969; Apr. 1.
Partition assembling machine. J. L. Gillian and C. D. Nellis. 2,237,090; Apr. 1.
Pattern, Garment. C. Kaplan. 2,236,715; Apr. 1.
Pen and pencil clip and the like. M. M. Malis. 2,237,135; Apr. 1.
Pen, Flashlight fountain. H. Gudge. 2,236,683; Apr. 1.
Phototube. J. T. Tykociner, L. P. Garner, and J. Kunz. 2,237,242; Apr. 1.
Pigment and manufacture thereof, Composite. N. F. Livingston. 2,237,104; Apr. 1.
Pocket structure. C. G. Parks. 2,237,111; Apr. 1.
Pot, Glue. I. A. Rinnert. 2,236,837; Apr. 1.
Power wind for dump vehicles. G. E. Armington. 2,237,128; Apr. 1.
Phenols, Producing water-soluble substituted. M. Weisberg and P. G. Stachman. 2,237,066; Apr. 1.
Phonograph, Automatic. J. W. Whitlock. 2,236,785; Apr. 1.
Piano. F. A. Wessell, Jr. 2,236,614; Apr. 1.
Pickup arm. W. H. Hutter. 2,236,599; Apr. 1.
Pictures, Slating and synchronizing in motion. P. Tison. 2,236,767; Apr. 1.
Pilot generator. W. R. Ray. 2,236,609; Apr. 1.
Pipe coating machine and method, Concrete. S. C. Lines. 2,236,757; Apr. 1.
Pipette. R. F. Brown. 2,237,213; Apr. 1.
Piston. J. Flammang. 2,236,818; Apr. 1.
Piston ring. R. R. Teetor. 2,236,721; Apr. 1.
Piston ring assembly. H. E. Muchnic. 2,237,010; Apr. 1.
Pivoted handle. F. A. Schutt. 2,236,922; Apr. 1.
Plastic material dispenser. V. E. Dewees. 2,236,727; Apr. 1.
Platform, Ladder. E. Dubreuil. 2,237,216; Apr. 1.
Plow. E. G. Alves. 2,236,558; Apr. 1.
Plug valve, Rotary. W. M. Wilson. 2,237,020; Apr. 1.
Plywood. G. Maurer. 2,236,948; Apr. 1.
Polarizing body. E. Käsemann. 2,236,972; Apr. 1.
Powder puff. J. S. Vild. 2,236,957; Apr. 1.
Power plant. R. P. Pescara. 2,237,082; Apr. 1.
Power pump or motor, Fluid pressure. E. K. Benedek. 2,236,666; Apr. 1.
Power transmission. R. L. Tweedale. 2,237,018; Apr. 1.
Power transmission. E. F. Webb. 2,236,657; Apr. 1.
Press: *See*—
Breast flap press. Shoe repair press.
Pressure control apparatus, Fluid. C. B. Moore. 2,237,038; Apr. 1.
Pressure head, High. F. K. Fischer. 2,237,029; Apr. 1.
Pressure regulating apparatus, Fluid. F. H. Gulliksen. 2,236,999; Apr. 1.
Pressure relief valve. E. S. Cornell, Jr. 2,236,564; Apr. 1.
Printing machine. A. Thurmann. 2,236,632; Apr. 1.
Printing press feeder. F. J. Dietrich. 2,237,026; Apr. 1.
Propeller. J. M. Mills. 2,237,191; Apr. 1.
Propeller, Aeronautical. P. J. Gathmann. 2,237,030; Apr. 1.
Propeller, Variable pitch aerial. C. R. Waseige. 2,236,841; Apr. 1.
Puller: *See*—
Fuse puller.
Pulling over machine. H. Lane. 2,236,539; Apr. 1.
Pulverizing apparatus. N. N. Stephanoff. 2,237,091; Apr. 1.
Pump: *See*—
Centrifugal pump. Well pump.
Rotary pump.
Pump. J. P. Damonte. 2,236,706; Apr. 1.
Pump. O. H. Dorer. 2,237,027; Apr. 1.
Pump. E. H. White. 2,236,660; Apr. 1.
Pump unit, Motor. R. T. Cornelius. 2,236,621; Apr. 1.
Pumping apparatus. C. Jacuzzi. 2,236,687; Apr. 1.
Punch, Draw. G. O. Christenson. 2,237,069; Apr. 1.
Quarter unit and making it. R. A. Hyde. 2,236,537; Apr. 1.
Radio receiver, Portable. E. F. McDonald, Jr. 2,237,260; Apr. 1.
Railroad car hand brake. R. W. Burnett. 2,236,563; Apr. 1.
Railroad track layout, Determining miniature. C. Y. Chittick. 2,236,894; Apr. 1.
Rake. G. N. Kelley. 2,237,002; Apr. 1.
Rake, Dump. W. J. Coultas and N. D. Colvin. 2,237,280; Apr. 1.
Rays, Detection of objects by electromagnetic. E. G. H. Mobaby. 2,237,193; Apr. 1.
Receiver cap acoustic filter. R. C. Edson. 2,236,568; Apr. 1.
Receptacle: *See*—
Refrigerator receptacle.
Record phonograph, Multiple. C. G. Freborg. 2,237,139; Apr. 1.
Record punching machine. W. Scheerer. 2,237,116; Apr. 1.
Rectifier, Fluid. R. E. Parker. 2,236,629; Apr. 1.
Reeling mechanism. E. G. Parvin. 2,237,112; Apr. 1.
Refrigerating and handling of foods, Method and apparatus for rapid. W. J. Finnegan. 2,237,257; Apr. 1.
Refrigerating apparatus. A. A. Kucher. 2,237,007; Apr. 1.
Refrigeration. W. G. Kögel. 2,236,575; Apr. 1.
Refrigeration. D. G. Smellie. 2,237,064; Apr. 1.
Refrigeration apparatus. L. C. Smith. 2,237,239; Apr. 1.
Refrigeration control system. G. H. Fisher. 2,237,249; Apr. 1.
Refrigeration control system. W. L. McGrath. 2,237,261; Apr. 1.
Refrigerator receptacle. C. W. Benson. 2,236,866; Apr. 1.
Regulator: *See*—
Voltage regulator.
Relay. J. E. Willing. 2,237,278; Apr. 1.
Relay contact structures, Making. W. D. Halles. 2,237,274; Apr. 1.
Relay, Electric. L. J. A. Le Goff. 2,236,947; Apr. 1.
Remover for artificial colors from hair. A. H. Goldfarb. 2,236,970; Apr. 1.
Repeating device. F. Lauck. 2,237,077; Apr. 1.
Reservoir of the gas holder type, Breather. C. A. Ellis. 2,236,996; Apr. 1.
Ribose, and product thereof, preparing aldehydo acylated. R. Pasternack and E. V. Brown. 2,237,263; Apr. 1.
Ring: *See*—
Clamping ring. Piston ring.
Horn ring.
Rod bundles or the like, Handling of. J. M. O'Malley. 2,237,160; Apr. 1.
Rodent trap. E. Huggins. 2,237,227; Apr. 1.
Roll forming machines, Silver. G. S. Fraser. 2,237,071; Apr. 1.
Roof construction. T. I. High. 2,237,226; Apr. 1.
Roof, Open hearth furnace. H. S. Robertson. 2,236,920; Apr. 1.
Rotary cutter. R. Etzkorn. 2,236,930; Apr. 1.
Rotary pump. L. Kemper. 2,237,075; Apr. 1.
Safety device for automatic hold-down conveyer. F. W. Dine. 2,236,751; Apr. 1.
Safety device for gas heaters. H. L. Cole. 2,236,673; Apr. 1.
Safety switch. E. M. Miller. 2,237,262; Apr. 1.
Sagger pin boxing machine. R. Bower, L. P. Reese, and A. J. Wahl. 2,236,890; Apr. 1.
Salts, Preparation of organic nitrogenous base. F. J. Cahn and M. B. Katzman. 2,236,515; Apr. 1.
Salts, Preparation of organic nitrogenous base. F. J. Cahn and M. B. Katzman. 2,236,518; Apr. 1.
Scoreboard, Bowling alley. N. J. Abate. 2,237,208; Apr. 1.
Screen for building constructions, Light. P. E. Knudsen. 2,237,035; Apr. 1.
Screws, Method of and apparatus for making socketed. W. A. Purtell. 2,236,733; Apr. 1.
Scum remover for sewage settling tanks. R. E. Briggs. 2,237,172; Apr. 1.
Seal and handle, Package. E. Goldschmidt. 2,236,681; Apr. 1.

Seal, Resilient. T. A. Haller and J. A. Miner. 2,236,902; Apr. 1.
Sealing apparatus. F. J. Malloy. 2,237,186; Apr. 1.
Segmenter and juicer, Fruit. R. Polk, Sr., and R. Polk, Jr. 2,236,916; Apr. 1.
Sewing machine. H. Hacklander and G. Sauer. 2,237,273; Apr. 1.
Shackle arm construction. R. H. Rosenberg. 2,237,163; Apr. 1.
Shade, curtain, and drapery support, Combination window. O. Lodge. 2,237,079; Apr. 1.
Sharpener for mechanical pencil leads. W. J. Troeber. 2,236,979; Apr. 1.
Shaving implement. J. Muros and F. J. Lewando. 2,236,760; Apr. 1.
Shear, Poultry and fowl. L. G. Swanson. 2,237,203; Apr. 1.
Shears, Grass. J. L. Smith. 2,237,238; Apr. 1.
Sheeting, Adhesive. R. G. Drew. 2,236,567; Apr. 1.
Sheets, Making leather. T. L. Lynam. 2,237,235; Apr. 1.
Shield, Radiator. L. Beeman and H. J. Kroll. 2,236,986; Apr. 1.
Shield, Snow and insect. R. S. Davisson. 2,236,846; Apr. 1.
Shock absorber and similar mechanism. D. L. Wright. 2,236,662; Apr. 1.
Shoe and method of making same. F. N. La Chapelle. 2,236,600; Apr. 1.
Shoe repair press. I. H. Rennie and H. A. Williams. 2,237,161; Apr. 1.
Shoe tree and shoehorn, Combined. A. G. Berry, Jr. 2,236,703; Apr. 1.
Shoe uppers, Method and apparatus for treating. F. J. Better. 2,236,592; Apr. 1.
Shoes, Manufacturing. S. J. Finn. 2,236,623; Apr. 1.
Shoelace holding device. A. W. H. Hirsch. 2,236,506; Apr. 1.
Shop equipment, Standardized. G. M. Turner. 2,236,809; Apr. 1.
Shortening treatment. D. P. Grettie. 2,236,569; Apr. 1.
Sifter. J. W. Benedict. 2,236,934; Apr. 1.
Sighting means for firearms, Night. A. B. Scott. 2,236,736; Apr. 1.
Signal device, Composite. R. L. Campbell. 2,236,705; Apr. 1.
Signal switch, Automobile turn. P. F. Schmitt. 2,237,083; Apr. 1.
Signaling apparatus. C. Morris. 2,236,879; Apr. 1.
Signaling system. C. J. Fitch. 2,237,140; Apr. 1.
Signaling system. H. E. Hershey. 2,236,822; Apr. 1.
Silicon steel sheet or strip, Producing. V. W. Carpenter. 2,236,519; Apr. 1.
Ski binding. H. Hvam. 2,236,874; Apr. 1.
Slab, Forming a decorative. C. C. Schuetz. 2,236,582; Apr. 1.
Slag masses, Method and apparatus for forming granulated. C. F. Meinzer. 2,236,691; Apr. 1.
Snap switch. A. L. Riche. 2,236,699; Apr. 1.
Soil, Compacting. A. K. B. Lyman. 2,236,759; Apr. 1.
Sole for orthopedic footwear. O. Müller. 2,236,779; Apr. 1.
Sole, Inner. A. McLeod. 2,237,190; Apr. 1.
Soles, Method of and machine for molding. E. Quinn. 2,236,607; Apr. 1.
Solid injection engine. E. Grieshaber. 2,236,821; Apr. 1.
Sound absorptive properties of cellular glass, Increasing the. E. H. Haux. 2,237,032; Apr. 1.
Sound post for musical instruments, Resilient. G. Virzi. 2,236,701; Apr. 1.
Space discharge apparatus, Control of. I. G. Wilson. 2,236,661; Apr. 1.
Spark plug and engine cooler. F. B. Ottofy. 2,236,762; Apr. 1.
Speed correction for multiplex telegraph and facsimile systems. R. E. Mathes. 2,237,156; Apr. 1.
Speed regulating mechanism. C. Breer and O. M. Raes. 2,236,669; Apr. 1.
Spindle, Covering. O. W. Schlums. 2,237,063; Apr. 1.
Splint, Surgical finger. E. E. Longfellow. 2,237,251; Apr. 1.
Spring mechanism for automatically operating switches. H. R. Harrison. 2,237,001; Apr. 1.
Spring shackle. C. C. Jackson. 2,236,686; Apr. 1.
Spring suspension. W. H. Manning. 2,237,056; Apr. 1.
Spring unit, Friction. D. F. Sproul. 2,236,550; Apr. 1.
Stabilizing means for vehicles. J. F. Cook. 2,236,522; Apr. 1.
Staging. C. Hill. 2,236,774; Apr. 1.
Stake pocket. W. J. Vigue. 2,236,883; Apr. 1.
Stand: *See*—
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Starting and stopping mechanism. B. T. Leveque. 2,237,185; Apr. 1.
Steam purifier and skimmer. V. E. McCoy and H. H. Richardson. 2,237,157; Apr. 1.
Steel containing tellurium. M. J. R. Morris. 2,236,716; Apr. 1.
Steel, Manufacture of. C. H. Herty, Jr. 2,236,504; Apr. 1.
Stenciling apparatus. J. C. Smith. 2,237,168; Apr. 1.
Stock record indicator, Visual. L. S. Rothschild. 2,236,783; Apr. 1.
Stocking and method of knitting the same. H. E. Houseman. 2,237,144; Apr. 1.
Stoppering and discharge device for fluid containers. H. M. Salmond and A. Mathisen. 2,236,960; Apr. 1.
Stoppering and regulating device for containers. H. M. Salmond. 2,236,961; Apr. 1.
Strainer and stopper and the like, Sink. R. H. Zinkil and E. W. Marchand, Jr. 2,236,884; Apr. 1.
Strainer and stopper and the like, Sink. R. H. Zinkil and E. W. Marchand, Jr. 2,236,885–6; Apr. 1.
Streets, Cleaning. R. C. Evans. 2,236,813; Apr. 1.
Stretcher, Curtain. W. W. Block. 2,236,745; Apr. 1.
Strip, Sealing. J. S. Reid. 2,237,059; Apr. 1.
Stud staple. C. Schenck. 2,236,581; Apr. 1.
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Sulphonamides, Production of aromatic. J. R. Mares. 2,236,825; Apr. 1.
Sulphonic derivatives, Preparation of. M. B. Katzman. 2,236,541; Apr. 1.
Support: *See*—
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Support for accounting machines, Carbon paper. W. A. Anderson. 2,236,589; Apr. 1.
Support for wind driven electric units, Streamline housing and vane. J. R. Albers. 2,236,510; Apr. 1.
Supporting device for neon tubes. F. A. Becker. 2,237,211; Apr. 1.
Surface ornamentation. H. M. Hendrickson. 2,236,904; Apr. 1.
Suture, Surgical. C. D. Lukens. 2,236,542; Apr. 1.
Sweeper and driving system therefor, Street. R. C. Evans. 2,236,814; Apr. 1.
Sweeper brush and assembly, Street. R. C. Evans. 2,236,816; Apr. 1.
Sweeper brush and mounting, Street. R. C. Evans. 2,236,817; Apr. 1.
Switch: *See*—
Electric limit switch. Safety switch.
Electric switch. Signal switch.
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Inertia switch. Thermal switch.
Switch for gaseous discharge devices, Starter. C. Chirelstein. 2,236,671; Apr. 1.
Switch for use in telephone or like systems, Automatic. R. Taylor and G. T. Baker. 2,236,808; Apr. 1.
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Tabulating machine. U. M. W. Kölm. 2,237,149; Apr. 1.
Tabulating machine. H. Neumann-Lezius. 2,237,153; Apr. 1.
Tankwater heater. C. M. Osterheld. 2,237,110; Apr. 1.
Target member and ball thrower. F. H. King. 2,236,572; Apr. 1.
Telegraph exchange system. G. A. Locke and F. S. Kinkead. 2,237,154; Apr. 1.
Telephone installation. M. Hebel. 2,237,073; Apr. 1.
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Telephonic system. J. Lèvy. 2,236,645; Apr. 1.
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Television apparatus. L. W. Parker. 2,236,578; Apr. 1.
Television, Composite-delineation. A. N. Goldsmith. 2,236,502; Apr. 1.
Television-telephone system. A. N. Goldsmith. 2,236,501; Apr. 1.
Temperature control apparatus. L. F. Littwin. 2,236,624; Apr. 1.
Temperature control system. C. W. Nessell. 2,236,914; Apr. 1.
Temperature measuring apparatus. A. E. Krogh. 2,237,036; Apr. 1.
Tension device for spinning and twisting frames. F. K. Hendrickson. 2,237,053; Apr. 1.
Tent and tent frame. S. C. Eddy. 2,236,677; Apr. 1.
Textiles, Decorating. A. G. Gromm. 2,237,179; Apr. 1.
Textiles, Treatment of. R. L. Brandt. 2,236,617; Apr. 1.
Thermal switch. L. R. Peters. 2,236,697; Apr. 1.
Thermometer tubes and the like, Packing. A. C. Bruns. 2,237,086; Apr. 1.
Thermostat for oven control. J. E. Sherlock. 2,237,199; Apr. 1.
Thermostat, Movement amplifying snap action. W. Jackson. 2,236,908; Apr. 1.
Thiophenols from alkyl phenols, Separating. S. B. Thomas and B. H. Cummings. 2,236,928; Apr. 1.
Thread forming apparatus. C. E. Hahn and O. A. Boyer. 2,237,180; Apr. 1.
Tie, Sealable bag. J. L. Dinsmoor. 2,236,676; Apr. 1.
Time recording system. C. R. Doty. 2,237,137; Apr. 1.
Timer control for waffle baker signal. M. Ireland. 2,237,147; Apr. 1.
Timer for automatic toasters, Thermal. M. Ireland. 2,237,146; Apr. 1.
Timer for toasters, Thermal. J. R. Gomersall. 2,237,100; Apr. 1.

Timing and indicating device. H. N. Wheeler. 2,236,658; Apr. 1.
Timing device. F. H. Winter. 2,236,981; Apr. 1.
Tip for mechanical pencils or the like. O. H. Senf. 2,236,720; Apr. 1.
Tire. C. H. Zimmerman and W. W. McMahan. 2,237,207; Apr. 1.
Tire construction. J. E. Hale. 2,236,903; Apr. 1.
Tire rim tool. N. B. Stone. 2,237,201; Apr. 1.
Tire valve. J. Wahl. 2,236,585; Apr. 1.
Tire valve. S. T. Williams. 2,236,587; Apr. 1.
Tires, Mounting. A. N. Iknayan. 2,237,182; Apr. 1.
Toilet seat raiser, Sanitary. W. Loebner. 2,236,576; Apr. 1.
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Well fishing tool.
Toothbrush and head. E. J. McWhirter. 2,236,627; Apr. 1.
Tower, Hose. W. A. Kropp. 2,236,824; Apr. 1.
Tower, Light. S. G. Stratton. 2,237,202; Apr. 1.
Trailer hitch. J. L. Gilmore. 2,237,031; Apr. 1.
Transfer mechanism for carding machines. A. Cavedon 2,237,049; Apr. 1.
Transmission. P. W. Neff. 2,237,159; Apr. 1.
Transmission gear, Centrifugally controlled automotive. F. W. Cotterman. 2,237,025; Apr. 1.
Transmission system for statistical data. J. W. Bryce 2,237,130; Apr. 1.
Transmission system, Synchronous. H. Heuschmann. 2,237,225; Apr. 1.
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Trap and traffic light, Combined insect. L. J. L. Rector. 2,236,698; Apr. 1.
Tray and making it, Baking. W. H. Hunngerford. 2,237,102; Apr. 1.
Tray, Display. S. J. Mando and E. Wilking. 2,237,276; Apr. 1.
Trimmer, Lawn edge. R. A. Thompson. 2,236,955; Apr. 1.
Trousers. S. Newman 2,236,693; Apr. 1.
Truck, Car. H. C. Dreibuss and F. H. Spenner. 2,236,566; Apr. 1.
Truss and truss pad, Hernial. A. J. Fish. 2,236,752; Apr. 1.
Tub and support therefor. W. W. Galbreath. 2,237,272; Apr. 1.
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Electronic tube.
Tube support. H. Vorkauf. 2,236,882; Apr. 1.
Tubes, Making corrosion resistant metal. R. A. Wilkins. 2,237,244; Apr. 1.
Turf cutter. E. F. Brandes. 2,236,562; Apr. 1.
Twine holder. E. R. Erickson. 2,237,028; Apr. 1.
2-methyl-allyl-substituted malonic ester. H. A. Shonle. 2,237,265; Apr. 1.
Typewriting calculating machine. H. E. Kämmel. 2,236,642; Apr. 1.
Typewriting machine. H. L. Pitman. 2,236,608; Apr. 1.
Typewriting machine. J. A. B. Smith. 2,236,611; Apr. 1.
Typewriting mechanism, Record controlled. R. E. Baldwin. 2,237,268; Apr. 1.
Universal joint. D. A. Salvetti. 2,236,839; Apr. 1.
Universal joint. S. G. Wingquist. 2,236,633; Apr. 1.
Vacuum cleaner. G. E. Bjorkman. 2,236,989; Apr. 1.
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Valve. E. C. Read. 2,237,114; Apr. 1.
Valve assembly. E. M. Stanbery. 2,237,013; Apr. 1.
Valve control circuit, Electric. J. L. Stratton. 2,237,016; Apr. 1.
Valve for stencil brushes. W. C. Marsh and H. W. Heinpel. 2,236,625; Apr. 1.
Valve for use in a radiator in either hot water or steam heating, Air relief. J. Elger. 2,236,772; Apr. 1.
Vaulting standard adjusting apparatus. C. B. Cameron. 2,236,935; Apr. 1.
Vehicle door. L. Mollet. 2,236,827; Apr. 1.
Vehicle drive. T. A. Peterman. 2,236,696; Apr. 1.
Vehicle support. T. A. Peterman. 2,236,695; Apr. 1.
Vehicle suspension. J. F. Cook. 2,236,868; Apr. 1.
Vehicle wheel suspension. A. Ronning. 2,236,734; Apr. 1.
Vessels, Reactivation of nitration reaction. E. B. Hodge and L. C. Swallen. 2,236,905; Apr. 1.
Vessels, Reactivation of nitration reaction. E. B. Hodge. 2,236,906; Apr. 1.
Vise, Fly tying. K. A. Pannier. 2,236,781; Apr. 1.
Visor, Automobile antiglare. C. D. Hocking. 2,236,710; Apr. 1.
Voltage regulator. O. A. Perry. 2,236,880; Apr. 1.
Wall and tie, Concrete form. G. B. Bosco. 2,236,616; Apr. 1.
Wall partition, Metal. H. E. Gieseking. 2,237,098; Apr. 1.
Washing apparatus for clothes. E. W. Eriksson. 2,236,871; Apr. 1.
Washing machine. P. F. Arnold. 2,237,209; Apr. 1.
Washing machine. O. J. Chayle. 2,236,748; Apr. 1.
Wastes, Treating distillery. A. W. Lissauer. 2,236,800; Apr. 1.
Watch and protector, Combination. A. J. Pujol. 2,236,650; Apr. 1.
Watch attachment. H. C. Keyes. 2,237,231; Apr. 1.
Water clarification process. J. W. H. Uytenbogaart. 2,236,930; Apr. 1.
Welder, Gang spot. J. R. Lex. 2,237,103; Apr. 1.
Welder, Multiple. G. A. Hughes. 2,236,823; Apr. 1.
Welding machine, Can body. J. H. Graham, G. W. Jackman, J. B. Burton, and Z. P. Candee. 2,236,848; Apr. 1.
Welding patch clamp. P. D. Merrill. 2,236,913; Apr. 1.
Welding, Resistance. R. T. Gillette. 2,236,998; Apr. 1.
Well bores, Lining. C. F. Prutton. 2,236,836; Apr. 1.
Well fishing tool. J. E. Nichols. 2,236,761; Apr. 1.
Well pump, Submergible deep. A. Arutunoff. 2,236,887; Apr. 1.
Well testing tool. A. Boynton. 2,236,512; Apr. 1.
Wells, Cementing. I. C. Bechtold. 2,236,987; Apr. 1.
Wells, Method and apparatus for logging. L. W. Blau and R. R. Thompson. 2,236,668; Apr. 1.
Wells, Treatment of. R. H. Carr. 2,237,131; Apr. 1.
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Wheel construction. W. S. Brink. 2,237,247; Apr. 1.
Wheels, Forming pipe cutter. T. Petersen. 2,237,088; Apr. 1.
Wind deflector. F. S. Wheeler. 2,236,615; Apr. 1.
Window construction, Double. H. Edwards and R. T. Axe. 2,236,812; Apr. 1.
Wing, Airplane. O. C. Koppen. 2,237,275; Apr. 1.
Workpieces, Machining of nonprismatic. J. Musil and H. Ast. 2,236,829; Apr. 1.
Worktable positioning means. J. M. Rusnak. 2,236,881; Apr. 1.
Yarns or rovings, Making insulating. W. F. Astley. 2,237,267; Apr. 1.
Yoke, Deflecting. A. Hlain. 2,236,498; Apr. 1.
Zein acetate. C. Veatch. 2,236,768; Apr. 1.

CLASSIFICATION OF PATENTS

ISSUED APRIL 1, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abell, Henry C., Asbury Park, N. J. Lock nuts. Serial No. 439,006; Apr. 8. Class 13.
Acala Fabrics Company, San Francisco, Calif. Outer shirts. Serial No. 439,740; Apr. 8. Class 39.
Algro Knitting Mills Inc., Milltown, N. J. Knitted fabrics. Serial No. 440,304; Apr. 8. Class 42.
Alox Corporation, Niagara Falls, N. Y. Chemical compounds. Serial No. 439,424; Apr. 8. Class 6.
American Breddo Corporation, New York, N. Y. Bread improver. Serial No. 430,711; Apr. 8. Class 46.
American Features, Inc., Hollywood, Calif. Cartoon cut-out game. Serial No. 429,590; Apr. 8. Class 22.
American Silk Spinning Co., Providence, R. I. Yarns. Serial No. 439,708; Apr. 8. Class 43.
American Tissue Mills, Holyoke, Mass. Paper plates. Serial No. 437,889; Apr. 8. Class 2.
Americans Own Packing Co., New York, N. Y. Pickles. Serial No. 425,974; Apr. 8. Class 46.
Ampro Corporation, Chicago, Ill. Motion picture machines, and equipment, apparatus, and accessories relating thereto. Serial No. 438,641; Apr. 8. Class 26.
Armand Company, The, Des Moines, Iowa. Face powder. Serial No. 440,902; Apr. 8. Class 6.
Armour and Company, doing business as Armour Creameries, Chicago, Ill. Powdered whole eggs, egg whites, and egg yolks. Serial No. 440,141; Apr. 8. Class 46.
Aroostook Potato Growers, Inc., Presque Isle, Maine. Potatoes. Serial No. 438,919; Apr. 8. Class 46.
Bailey Meter Company, Cleveland, Ohio. Time electric impulse telemetering systems and apparatus, etc. Serial No. 437,890; Apr. 8. Class 26.
Bailey Meter Company, Cleveland, Ohio. Measuring and controlling systems and apparatus for temperature, etc. Serial No. 438,828; Apr. 8. Class 26.
Bailey, Truman, New York, N. Y. Rayon and cotton piece goods. Serial No. 429,165; Apr. 8. Class 42.
Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Bakery products. Serial No. 438,108; Apr. 8. Class 46.
Bardco Manufacturing & Sales Company, Los Angeles, Calif. Electrical generators, motors, and voltage regulators. Serial No. 436,989; Apr. 8. Class 21.
Bierbower, George L., Knierim, Iowa. Preparation for sinus and head colds. Serial No. 435,604; Apr. 8. Class 6.
Binns, Ruth, Chicago, Ill. Underwear. Serial No. 439,-854; Apr. 8. Class 39.
Blish Milling Company, Seymour, Ind. Flour. Serial No. 438,430; Apr. 8. Class 46.
Blue Moon Foods, Inc., Thorp, Wis. Cheese spread. Serial No. 440,143; Apr. 8. Class 46.
Borden Company, The, New York, N. Y. Evaporated milk. Serial No. 431,757; Apr. 8. Class 46.
Borden Company, The, New York, N. Y. American cheese. Serial No. 439,579; Apr. 8. Class 46.
Borden Company, The, New York, N. Y. Dry powdered synthetic resin plastic adhesive. Serial No. 440,540; Apr. 8. Class 5.
Botany Worsted Mills, Passaic, N. J. Woolen and worsted piece goods. Serial No. 439,770; Apr. 8. Class 42.
Bryson, A. Earl, Winnetka, Ill. Indoor polo game. Serial No. 441,081; Apr. 8. Class 22.
Butler, Clifford E., Waterloo, Iowa. Clamp and bar assemblies. Serial No. 437,936; Apr. 8. Class 23.
Campbell, Herbert, doing business as The Herbert Campbell Company, Scottsbluff, Nebr. Potatoes. Serial No. 439,749; Apr. 8. Class 46.
Campbell Remedy Co. (See Osterloh, A. F., Jr.)
Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 440,360–6; Apr. 8. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 440,443; Apr. 8. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 440,445; Apr. 8. Class 42.
Century Engineering Corporation, Cedar Rapids, Iowa. Water heaters and parts thereof. Serial No. 403,165; Apr. 8. Class 34.
Chapman, A. D., & Company, Inc., Chicago, Ill. Lumber. Serial No. 438,830; Apr. 8. Class 12.
Cleaning Specialists Co. (See Weiss, Max.)
Cobblers, Inc., Los Angeles, Calif. Footwear. Serial No. 437,123; Apr. 8. Class 39.
Commonwealth Clothing Company, Boston, Mass. Men's suits, topcoats, and overcoats. Serial No. 440,283; Apr. 8. Class 39.
Conlin & Smith, Inc., New York, N. Y. Beach sandals and shoes. Serial No. 440,156; Apr. 8. Class 39.
Cosmopolitan Manufacturing Company, Cambridge, Mass. Men's overcoats, raincoats, and sport jackets. Serial No. 436,959; Apr. 8. Class 39.
Cowles Detergent Company, The, Cleveland, Ohio. Crystalline alkali silicate. Serial No. 440,043; Apr. 8. Class 6.
Cribari, B., & Sons, New York, N. Y. Wines. Serial No. 438,867; Apr. 8. Class 47.
Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 440,315; Apr. 8. Class 42.
Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 440,369; Apr. 8. Class 42.
Crystal, David, Inc., New York, N. Y. Fabrics in the piece. Serial No. 440,317; Apr. 8. Class 42.
Crystal, David, Inc., New York, N. Y. Dresses, and dress ensembles. Serial No. 440,318; Apr. 8. Class 39.
Davidson Manufacturing Corporation, Chicago, Ill. Gum arabic solution. Serial No. 440,458; Apr. 8. Class 6.
Dazian's, Inc., New York, N. Y. Velours in the piece and in short lengths. Serial No. 439,994; Apr. 8. Class 42.
De Luxe Candy Co. (See Passaglia, Domenick.)
Dermott, Incorporated, Chicago, Ill. Hair creams. Serial No. 435,241; Apr. 8. Class 6.
Diversey Corporation, The, Chicago, Ill. Acid scale solvent in liquid form. Serial No. 439,929; Apr. 8. Class 6.
Donahue, A. J., Corporation, The, Milford, Conn. Pads used in permanent waving. Serial No. 440,545; Apr. 8. Class 44.
Fairhope Fabrics, Inc., doing business as Granite Looms, Fall River, Mass. Lace net curtains and piece goods. Serial No. 439,479; Apr. 8. Class 42.
Fawcett Publications, Inc., Greenwich, Conn. Publication appearing annually or in approximately annual periods. Serial No. 437,647; Apr. 8. Class 38.
Feist Fabrics, Inc., New York, N. Y. Fabrics in the piece. Serial No. 440,327; Apr. 8. Class 42.
Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y. Detergents (cleaning, water softening, etc.) Serial No. 438,795; Apr. 8. Class 4.
Fleet Feet Company. (See Gipson, Rhey L.)
Flexible Steel Lacing Company, Chicago, Ill. Fasteners, nuts, and clips, etc. Serial No. 438,004; Apr. 8. Class 13.
Flory Milling Company, Inc., Bangor, Pa. Scratch feed and laying mash. Serial No. 439,863; Apr. 8. Class 46.
General Ceramics Company, New York, N. Y. Chinaware ornamental boxes. Serial No. 433,709; Apr. 8. Class 30.
General Tire and Rubber Company, The, Akron, Ohio. Pneumatic tires. Serial No. 435,165; Apr. 8. Class 35.
Gipson, Rhey L., doing business as Fleet Feet Company, Miami Fla. Foot and body powder. Serial No. 436,645; Apr. 8. Class 6.
Golco Sanitary System, Inc., Philadelphia, Pa. Vitreous sink trim and tile trim. Serial No. 434,063; Apr. 8. Class 12.
Goldenberg, Charles, New York, N. Y. Clothing. Serial No. 439,021; Apr. 8. Class 39.
Gordon Maid Skirt Company, Inc., Boston, Mass. Slacks, washable suits, blouses, sport dresses, etc. Serial No. 439,594; Apr. 8. Class 39.
Gottfried Baking Company, Inc., New York, N. Y. Bread. Serial No. 440,332; Apr. 8. Class 46.
Granite Looms. (See Fairhope Fabrics, Inc.)
Great Western Sugar Company, The, Denver, Colo. Sugar. Serial No. 439,411; Apr. 8. Class 46.
Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. Serial No. 440,651; Apr. 8. Class 12.
Grigg, Walter A., Larned, Kans. Periodical publication. Serial No. 440,004; Apr. 8. Class 38.
Groves Shoe Co., Chicago, Ill. Shoes and slippers constructed of leather, fabric, and straw. Serial No. 429,699; Apr. 8. Class 39.
Harlequin Corporation, The, New York, N. Y. Ophthalmic mountings and lenses and parts thereof. Serial No. 440,248; Apr. 8. Class 26.
Heitz, Bruno, Waterbury, Conn. Towel. Serial No. 435,295; Apr. 8. Class 42.
Hershel California Fruit Products Co., San Jose, Calif. Canned tomatoes, tomatoes with sauce, and tomato paste, etc. Serial No. 428,233; Apr. 8. Class 46.
House-Hold-Pac Corporation, San Francisco, Calif. Non alcoholic, non-cereal, maltless beverages. Serial No. 437,562; Apr. 8. Class 45.
Huth & James Shoe Co., Milwaukee, Wis. Shoes, made of leather, fabric, and combinations of both. Serial No. 438,804; Apr. 8. Class 39.
Ice Cream Securities Company, San Francisco, Calif. Ice cream and sherbet. Serial No. 431,651; Apr. 8. Class 46.
Imperial Brass Manufacturing Co., The, Chicago, Ill. Dehydrators, cartridge dehydrators, sealed-end dehydrators, dehydrators with dispersion tubes, etc. Serial No. 440,511; Apr. 1. Class 31.
Independent Pneumatic Tool Company, Chicago, Ill. Rock drills; piston machines, stoppers, etc. Serial No. 439,343; Apr. 8. Class 23.
Industrial Tape Corporation, New Brunswick, N. J. Pressure-sensitive adhesive tapes. Serial No. 438,986; Apr. 1. Class 5.

International Braid Company, Providence, R. I. Tapes and narrow webbings, and braids. Serial No. 431,652; Apr. 8. Class 40.
J. R. Watkins Company, The, Winona, Minn. Perfumes, scents, fragrances, cosmetic powder, etc. Serial No. 440,030; Apr. 8. Class 6.
Jewel Paint & Varnish Co., Chicago, Ill. Paints, varnishes, and paint enamels. Serial No. 440,008; Apr. 8. Class 16.
K-D Manufacturing Company, Lancaster, Pa. Hack saw frames, hack saw blades, hammers, etc. Serial No. 438,619; Apr. 8. Class 23.
Karp, Pauline, St. Paul, Minn. Housecoats. Serial No. 440,165; Apr. 8. Class 39.
Kimble Glass Company, Vineland, N. J. Glass rods, glass tubing, and glass containers. Serial No. 432,640; Apr. 8. Class 33.
King Features Syndicate, Inc., New York, N. Y. Newspaper section. Serial No. 439,901; Apr. 8. Class 38.
Kleinert, I. B., Rubber Company, New York, N. Y. Pantie girdles, girdles, corsets, etc. Serial No. 440,047; Apr. 8. Class 39.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. Serial No. 440,655; Apr. 8. Class 40.
Knight Packing Company, Portland, Oreg. Bottled cherries, onions, mustard, etc. Serial No. 437,092; Apr. 8. Class 46.
Koser, Frank J., assignor to Flourence L. Koser, Watertown, Wis. Bakery products. Serial No. 428,359; Apr. 8. Class 46.
Krodell Bros., Ltd., Lindsay, Calif. Fresh citrus fruits. Serial No. 439,778; Apr. 8. Class 46.
Lasker, Richard F., Jackson Heights, Long Island, N. Y. Advertising matter. Serial No. 438,771; Apr. 8. Class 38.
Lederle Laboratories, Inc., New York, N. Y. Pharmaceutical preparations. Serial No. 440,049; Apr. 8. Class 6.
Le Val Filter Co., Chicago, Ill. Filters and filter stones. Serial No. 439,720; Apr. 8. Class 31.
Levinson, B. A., Incorporated, New York, N. Y. Textile fabrics in the piece. Serial No. 440,168; Apr. 8. Class 42.
Linsky, M. A., Los Angeles, Calif. Extruded aluminum alloy mouldings, extruded brass mouldings, and rolled aluminum and stainless steel mouldings. Serial No. 438,807; Apr. 8. Class 14.
Markey Products Co., The, New York, N. Y. Chemicals for treating textile fibres. Serial Nos. 441,099–100; Apr. 8. Class 6.
Marshall, Meadows & Stewart, Inc., Auburn, N. Y. Shoes. Serial No. 429,100; Apr. 8. Class 39.
Martin Fireproofing Corporation, Buffalo, N. Y. Tongue and groove aerated concrete plank. Serial No. 440,785; Apr. 8. Class 12.
Mason and Hughes, Clarksville, Tenn. Work shirts, work pants, work jackets and overalls. Serial No. 432,481; Apr. 8. Class 39.
Master Rule Mfg. Co. Inc., New York, N. Y. Rules, folding rules, and extension rules. Serial No. 439,518; Apr. 8. Class 26.
May Knitting Co. Inc., New York, N. Y. Swim suits. Serial No. 439,660; Apr. 8. Class 39.
McElroy, Robert H., Jr., Chicago, Ill. Coupons. Serial No. 422,591; Apr. 8. Class 38.
Metallizing Engineering Co. Inc., Long Island City, N. Y. Heat corrosion resistant furnace conveyors. Serial No. 439,292; Apr. 8. Class 23.
Metropolitan Detroit Brick Dealers' Association, Detroit, Mich. Building brick. Serial No. 439,701; Apr. 8. Class 12.
Milwaukee Die Casting Co., Milwaukee, Wis. Castings of aluminum, base alloys, zinc base alloys, etc. Serial No. 440,421; Apr. 8. Class 14.
Mimosa American Corporation, New York, N. Y. Cameras. Serial No. 430,619; Apr. 8. Class 26.
National Antiseptics, Inc., Seattle, Wash. Therapeutic products comprising amebocides, antiseptics, bactericides, etc. Serial No. 439,971; Apr. 8. Class 6.
National Biscuit Company, New York, N. Y. Bakery products. Serial No. 439,117; Apr. 8. Class 46.
National Blouse Corporation, New York, N. Y. Dresses, blouses, playsuits, and beach robes. Serial No. 439,469; Apr. 8. Class 39.
National Blouse Corporation, New York, N. Y. Blouses and dresses. Serial No. 439,723; Apr. 8. Class 39.
Neely, C. L., doing business as Neely Manufacturing Company, Corydon, Iowa. Screen patches. Serial No. 437,692; Apr. 8. Class 12.
New York Mattress Company, Boston, Mass. Mattresses. Serial No. 440,376; Apr. 8. Class 32.
Northam Warren Corporation, Stamford, Conn. Liquid nail polish. Serial No. 440,950–1; Apr. 8. Class 6.
Norwich Pharmacal Company, The, Norwich, N. Y. Vitamin preparation. Serial No. 440,874; Apr. 8. Class 6.
Number One Company. (See Scotland, Bayard S.)
Number 1 Co. (See Scotland, Bayard S.)
O'Keefe Brothers, Jacksonville, Tex. Vegetables. Serial No. 435,310; Apr. 8. Class 46.
Ollendorff, Julian, New York, N. Y. Comic strips with continuity, combined with commercial advertisement in the last panel, etc. Serial No. 429,317; Apr. 8. Class 38.
Osterloh, A. F., Jr., doing business as Campbell Remedy Co., Los Angeles, Calif. Preparation for the treatment of diseases of nasal, bronchial, and other passages. Serial No. 441,105; Apr. 8. Class 6.
Passaglia, Domenick, doing business as De Luxe Candy Co., Chicago, Ill. Candy. Serial No. 440,378; Apr. 8. Class 46.
Paxton and Gallagher Co., Omaha, Nebr. Canned fruits, vegetables, salmon, etc. Serial No. 438,353; Apr. 8. Class 46.
Pease Woodwork Company, Inc., Cincinnati, Ohio. Building paper. Serial No. 417,774; Apr. 8. Class 12.
Penney, J. C., Company, New York, N. Y. Shoes and insoles. Serial No. 439,398; Apr. 8. Class 39.
Pfeiffer, S., Mfg. Co., St. Louis, Mo. Stomachic compound. Serial No. 440,009; Apr. 8. Class 6.
Phi Epsilon Pi Fraternity, Inc., Philadelphia, Pa. Fraternity pins and other articles of jewelry not including watches. Serial No. 438,213; Apr. 8. Class 28.
Phoenix Manufacturing Company, Joliet, Ill. Horse and mule shoes. Serial No. 440,055; Apr. 8. Class 3.
Pine Bros., Inc., Philadelphia, Pa. Vitamin food product. Serial No. 438,627; Apr. 8. Class 46.
Poggioli, B., & Son, East Vineland, N. J. Canned soups. Serial No. 438,052; Apr. 8. Class 46.
Polaroid Corporation, Cambridge, Mass. Glass sheets and laminations of glass sheets. Serial No. 439,553; Apr. 8. Class 33.
Rau Fastener Company, Providence, R. I. Garment buckles. Serial No. 440,381–2; Apr. 8. Class 40.
Reese and Lineham, Portland, Oreg. Hair oil, quinine, tonic, shampoo, face cream, skin ointment, etc. Serial No. 428,239; Apr. 8. Class 6.
Reeves Bros. Inc., New York, N. Y. Uniforms, suits and overcoats, etc. Serial No. 439,493; Apr. 8. Class 39.
Regal Shoe Company, New York, N. Y. Boots, shoes, and slippers; hosiery, garters, and suspenders. Serial No. 429,134; Apr. 8. Class 39.
Rivet-O Manufacturing Company, Orange, Mass. Typewriter ribbons, carbon papers, and inks. Serial No. 439,530; Apr. 8. Class 11.
Robinson, Theodore H., doing business as Robinson Brothers, Jersey City, N. J. Vegetable peeling machines. Serial No. 440,100; Apr. 8. Class 23.
Roseman & Eisenberg, Baltimore, Md. Magnesium silicates suspensions. Serial No. 441,036; Apr. 8. Class 6.
Rulane Gas Company, Charlotte, N. C. Liquefied petroleum gases. Serial No. 440,792; Apr. 8. Class 6.
Sarfert Hosiery Mills, Inc., Philadelphia, Pa. Men's, women's and children's hose. Serial No. 438,455; Apr. 8. Class 39.
Schneider, Mitchel, Company, Inc., New York, N. Y. Underwear, pajamas, negligees, and house-coats. Serial No. 439,166; Apr. 8. Class 39.
Scientific Nutrition Corporation, Dover, Del. Milk containing vitamins and minerals. Serial No. 439,564; Apr. 8. Class 46.
Scotland, Bayard S., doing business as Number One Company, Joliet, Ill. Macaroni. Serial No. 438,465; Apr. 8. Class 46.
Scotland, Bayard S., doing business as Number 1 Co., Joliet, Ill. Macaroni. Serial No. 438,458; Apr. 8. Class 46.
Sea Board Supply Company, Inc., Philadelphia, Pa. Feed concentrate. Serial No. 439,976; Apr. 8. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Table china. Serial No. 439,636; Apr. 8. Class 30.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for correction of metabolic deficiencies. Serial No. 440,475; Apr. 8. Class 6.
Shoe Form Co., Inc., Auburn, N. Y. Boxes of celluloid or similar material. Serial No. 440,391; Apr. 8. Class 2.
Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Carpets and rugs. Serial No. 440,215; Apr. 8. Class 42.
Smith, Arthur E., Los Angeles, Calif. Hypodermic syringes, hypodermic needles, instruments, etc. Serial No. 441,113; Apr. 8. Class 44.
Smith, Landon P., Inc., Irvington, N. J. Combination mechanical and steaming wall paper removers. Serial No. 439,567; Apr. 8. Class 23.
Southern Biscuit Company, Incorporated, Richmond, Va. Biscuit. Serial No. 440,430; Apr. 8. Class 46.
Southern Brighton Mills, Shannon, Ga. Artificial silk in the piece. Serial No. 439,909; Apr. 8. Class 42.
Southland Wine Corporation, Richmond, Va. Wines. Serial No. 439,783; Apr. 8. Class 47.
Spartanburg Canning Co., Spartanburg, S. C. Canned fruits and vegetables. Serial No. 438,556; Apr. 8. Class 46.
Stanco Incorporated, New York, N. Y. Salad oil. Serial No. 439,843; Apr. 8. Class 46.
Stein, A., & Company, Chicago, Ill. Under waists. Serial No. 440,027; Apr. 8. Class 39.
Stone, Porter E., Detroit, Mich. Automobile rear view mirrors. Serial No. 440,066; Apr. 8. Class 19.
Swift and Company, Chicago, Ill. Vegetable shortening. Serial No. 437,840; Apr. 8. Class 46.
Televator Corporation, The, New York, N. Y. Telephone stands. Serial No. 440,839; Apr. 8. Class 32.
Theobold, Harry J., doing business as The Theobold Industries, Kearny, N. J. Shaving cream and laundry and household soap. Serial No. 440,666–8; Apr. 8. Class 4.

Tidy Products Corporation, New York, N. Y. Sleeping garment. Serial No. 440,069–71; Apr. 8. Class 39.
Tourlaine Food Products, Inc., Chicago, Ill. Maltless, nonalcoholic beverages sold as soft drinks. Serial No. 435,595; Apr. 8. Class 45.
Tyer Rubber Company, Andover, Mass. Hockey pucks. Serial No. 440,840–1; Apr. 8. Class 22.
Underwood Elliot Fisher Company, New York, N. Y. Typewriter ribbon and carbon paper. Serial No. 417,935; Apr. 8. Class 11.
Union Fork & Hoe Company, The, Columbus, Ohio. Shovels and spades. Serial No. 393,400; Apr. 8. Class 23.
United Paste & Glue Corp., New York, N. Y. Adhesives—namely, pastes, gums, and glues. Serial No. 440,894; Apr. 8. Class 5.
United States Rubber Company, New York, N. Y. Rubber bathing suits and rubber bathing caps. Serial No. 440,298; Apr. 8. Class 39.
United States Rubber Company, New York, N. Y. Molds. Serial No. 420,920; Apr. 8. Class 13.
Ward, Joseph, Aurora, Ill. Periodic publication. Serial No. 437,327; Apr. 8. Class 38.
Watlow Electric Manufacturing Company, St. Louis, Mo. Electrical equipment. Serial No. 438,401; Apr. 8. Class 21.
Wear Drug Co., Murray, Ky. Skin lotion. Serial No. 440,433; Apr. 8. Class 6.
Webster, G. L., Company, Inc., Cheriton, Va. Broccoli, lettuce, cabbage, etc. Serial No. 439,675; Apr. 8. Class 46.
Weiss, Max, doing business as Cleaning Specialists Co., Philadelphia, Pa. Composition for cleaning wood, stone, metal, composition, etc. Serial No. 439,062; Apr. 8. Class 4.
Western Electric Company, Incorporated, New York, N. Y. Electrical apparatus, machines, parts thereof, etc. Serial No. 427,916; Apr. 8. Class 21.
Woodward & Lothrop, Washington, D. C. Corsets. Serial No. 440,301; Apr. 8. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Ade-O-Matic Company. (See Patrick, H. H.)
Affiliated Products, Inc. (See Philippe, Louis, assignor.)
Affiliated Products, Inc. (See Younghusband, James L., assignor.)
Agasote Millboard Co., The, Trenton, N. J., by change of name to Homasote Company. Fiber-boards. 143,272; renewed May 31, 1941.
American Pitch Pine Export Company, Wilmington, Del., and New Orleans, La., assignor to American Pitch Pine Export Company, Inc., New Orleans, La. Raw timber. 140,545; renewed Mar. 22, 1941.
American Pop Corn Company, The, Sioux City, and Schaller, Iowa, assignor to The American Pop Corn Company, Sioux City, Iowa. Popcorn in its natural state. 144,682–3; renewed July 19, 1941.
American Sheet and Tin Plate Company, Pittsburgh, Pa., by merger to Carnegie-Illinois Steel Corporation. Iron and steel sheets and plates, and tin and terne plates. 145,026; renewed July 26, 1941.
Ams, Max, Inc., New York, N. Y. Honey, apple butter, and prune juice. 386,404; Apr. 8; Serial No. 436,787; published Dec. 17, 1940. Class 46.
Aridye Corporation, Fairlawn, N. J. Textile printing pastes, textile colors, and extenders and thinners. 386,438; Apr. 8. Serial No. 438,677; published Jan. 28, 1941. Class 6.
Arlette, Inc., Bloomfield, N. J. Liquid preparations for application to the hair. 386,439–40; Apr. 8; Serial Nos. 438,750–1; published Jan. 28, 1941. Class 6.
Barber Asphalt Paving Company, The, Philadelphia, Pa., assignor to Barber Asphalt Corporation, Barber, N. J. Asphaltum. 144,545; renewed July 12, 1941.
Beacon Chemical Corporation, Philadelphia, Pa. Glass cleaner. 386,430; Apr. 8; Serial No. 438,260; published Jan. 28, 1941. Class 4.
Beatrice Creamery Company, assignor to Beatrice Creamery Company, Chicago, Ill. Ice-cream. 145,605; renewed Aug. 16, 1941.
Bestov Products, Inc., Long Island City, N. Y. Milk in powder, condensed, and evaporated form. 386,405; Apr. 8; Serial No. 436,875; published Jan. 28, 1941. Class 46.
Bishop & Company, Los Angeles, Calif., assignor to National Biscuit Company, New York, N. Y. Crackers, biscuits, and cakes, etc. 145,323; renewed Aug. 2, 1941.
Blem-Bam Products Co. (See Nefsky, Joseph.)
Borden Company, The, New York, N. Y. Confectionery. 144,352; renewed July 5, 1941.
Breneman, Chas. W., Co., The, Cincinnati, Ohio. Venetian blinds. 386,444–6; Apr. 8; Serial Nos. 438,862–4; published Jan. 28, 1941. Class 32.
Breninger, Dayton C., Massillon, Ohio. Printed volumes of poetry. 140,571; renewed Mar. 22, 1941.
Breon, George A., & Company, Incorporated, Kansas City, Mo. Capsules of fish liver oil. 386,437; Apr. 8; Serial No. 438,604; published Jan. 28, 1941. Class 6.
Briggs, E. J., Caribou, Maine. Potatoes. 386,406; Apr. 8; Serial No. 436,878; published Jan. 28, 1941. Class 46.
Brown, Thomas & Co. (Leicester) Limited, Leicester, England. Boots, shoes, and slippers. 137,132; renewed Nov. 23, 1940.
Bussmann Manufacturing Company, St. Louis, Mo. Electric fuses and cut-outs. 141,501; renewed Apr. 26, 1941.
Cable-Draper Baking Company, assignor to Gordon Baking Company, Detroit, Mich. Bread. 145,329; renewed Aug. 2, 1941.
California Co-Operative Canneries, San Jose, Calif., assignor to Tri-Valley Packing Association, San Francisco, Calif. Canned fruits and canned vegetables. 145,545; renewed Aug. 9, 1941.
"Capa Shoe Service." (See Philadelphia Shoe Repairing Company.)
Canotosto, Frank P. (See Philadelphia Shoe Repairing Company, assignor.)
Carnegie-Illinois Steel Corporation. (See American Sheet and Tin Plate Company.)
Charters, James J., Washington, D. C. Combined amusement and exercising devices. 386,432; Apr. 8; Serial No. 438,468; published Jan. 28, 1941. Class 22.
Chesire Kitchens, Inc., Dover, Del., and New York, N. Y., assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Dehydrated welsh rabbit. 144,823; renewed July 19, 1941.
Chew Chaw Co., New York, N. Y. Chewing gum. 386,396; Apr. 8; Serial No. 435,014; published Jan. 28, 1941. Class 46.
Chicago Spice & Flavoring Extract Co. (See Tesoro, Salvatore F.)
Chipman Knitting Mills, Easton, Pa. Hosiery. 145,628; renewed Aug. 16, 1941.
Clements, Fred. W., assignor to International Laboratories, Inc., Rochester, N. Y. A palliative for pyorrhea alveolaris or Riggs' disease. 145,630; renewed Aug. 16, 1941.
Cohen, Goldman & Co., Inc., New York, N. Y. Clothing. 145,632; renewed Aug. 16, 1941.
Colgate & Company, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps. 145,635; renewed Aug. 16, 1941.
Colorado Milling & Elevator Co., Denver and Eaton, Colo. Wheat-flour. 145,636; renewed Aug. 16, 1941.
Cooke, Robert W., doing business as Cooke Laboratory Products, Sepulveda, Calif. Intestinal astringent for poultry. 386,372; Apr. 8; Serial No. 417,001; published Jan. 28, 1941. Class 6.
Cracker Jack Co., The. (See Rueckheim Bros. & Eckstein, assignor.)
Credit Clearing House, The, Jersey City, N. J., and New York, N. Y., to The Credit Clearing House, New York, N. Y. Publications issued at regular intervals. 140,786; renewed Mar. 29, 1941.
Crow, L. A., Santa Rosa, Calif. Garment clasps. 386,457; Apr. 8. Class 40.
Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. 386,402; Apr. 8; Serial No. 436,501; published Jan. 28, 1941. Class 13.
Davies, Walter D., Jackson Heights, N. Y. Catalytic lighters. 386,426; Apr. 8; Serial No. 438,039; published Jan. 28, 1941. Class 34.
Day, Howard D., doing business as High Chemical Company, Philadelphia, Pa. Oil and ointment applied to wounds, lacerations, etc. 386,385; Apr. 8; Serial No. 431,807; published Jan. 28, 1941. Class 6.
De Palma, John, New York, N. Y. Liquid preparation for internal use in relieving asthma, bronchitis, etc. 386,410; Apr. 8; Serial No. 437,166; published Jan. 28, 1941. Class 6.
De Pencier, Elmer M., Los Angeles, Calif., doing business as Permorite Products Co. Solvent fluid for loosening hard gum and carbon in motors. 386,447; Apr. 8; Serial No. 438,870; published Jan. 28, 1941. Class 6.
Dickinson, Albert, Company, The, Chicago, Ill. Dog foods. 386,401; Apr. 8; Serial No. 436,303; published Jan. 28, 1941. Class 46.
Dietrich & Gambrill, Inc., Frederick, Md. Poultry and livestock feeds. 386,459; Apr. 8. Class 46.
Distillation Products, Inc., Rochester, N. Y. Pharmaceutical preparation, more particularly vitamin E concentrate. 386,441; Apr. 8; Serial No. 438,793; published Jan. 28, 1941. Class 6.
Drake, J. A., and Sons, Reedley, Calif., assignor to Thompson Products Incorporated, Cleveland, Ohio. Valves for internal combustion engines. 143,318; renewed May 31, 1941.
Dunberg, David W., New York, N. Y. Knitting bags. 386,453; Apr. 8. Class 3.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Methyl methacrylate monomer and methyl methacrylate polymer. 386,383; Apr. 8; Serial No. 431,446; published Jan. 28, 1941. Class 6.
Everlast Metal Products Corp., New York, N. Y. Base metal trays, pitchers, casseroles, etc. 386,377; Apr. 8; Serial No. 427,931; published Jan. 28, 1941. Class 13.

Everlast Metal Products Corp., New York, N. Y. Base metal ware consisting of the following—trays, pitchers, casseroles, etc. 386,378; Apr. 8; Serial No. 428,869; published Jan. 28, 1941. Class 13.

Farmer, V. F., doing business as V. F. Farmer Canning Company, Wapello, Iowa. Canned vegetables and canned tomato juice. 386,386; Apr. 8; Serial No. 432,972; published Jan. 28, 1941. Class 46.

Fink-Roselieve Co., Inc., New York, N. Y. Photographic preparations and photographic chemicals. 386,450; Apr. 8; Serial No. 438,980; published Jan. 28, 1941. Class 6.

Fleischmanns, New York, N. Y. Boiled hams. 386,371; Apr. 8; Serial No. 400,229; published Dec. 27, 1938. Class 46.

Foster Honey & Mercantile Co., The, Boulder, assignor to the The Morey Mercantile Company, Denver, Colo. Honey. 140,594; renewed Mar. 22, 1941.

General Mills, Inc., Minneapolis, Minn. Poultry food. 386,388. Apr. 8; Serial No. 433,565; published Oct. 29, 1940. Class 46.

Godette Products Corporation, Newark, N. J. Ornamental prepared bows made of fabrics and composition. 386,375. Apr. 8; Serial No. 427,199; published Jan. 28, 1941. Class 40.

Gold Shoe Co., Chicago, Ill. Shoes. 386,397; Apr. 8; Serial No. 435,378; published Jan. 21, 1941. Class 39.

Golden Brand Food Products Co. (See Levin, Harry M.)

Goldman-Kolber Co., Inc., The, to The Goldman-Kolber Co. Inc., New York, N. Y., successor. Bracelets, brooches, and finger rings or precious metal. 141,561; renewed Apr. 26, 1941.

Goodall Worsted Company. (See Lesher, Whitman & Co., Inc.)

Goodyear Tire & Rubber Company, The, Akron, Ohio. Periodical issued monthly. 143,624; renewed June 7, 1941.

Gordon Baking Company. (See Cable-Draper Baking Company, assignor.)

Gregg Manufacturing Company, St. Paul, Minn. Skis. 386,412; Apr. 8; Serial No. 437,309; published Jan. 28, 1941. Class 22.

Guaranteed Parts Co., Inc., Seneca Falls, N. Y. Ignition coils, distributor parts, condensers, etc. 386,409; Apr. 8; Serial No. 437,133; published Jan. 28, 1941. Class 21.

Gydro Spray Company. (See Sullivan, Joseph T.)

Harris, D. F., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. 145,686-7; renewed Aug. 16, 1941.

Harris, George, Calgary, Alberta, Canada. Medicinal preparations. 145,961; renewed Aug. 23, 1941.

Hawkridge Brothers Company, Boston, Mass. Steel in the form of bars, blocks, etc. 386,408; Apr. 8; Serial No. 436,999; published Jan. 28, 1941. Class 14.

Henderson, Bancroft W., Montclair, N. J. Boots or bandages of rubber or fabric or both for protecting the hoofs of cows and other hoofed animals. 386,431; Apr. 8; Serial No. 438,336; published Jan. 28, 1941. Class 44.

High Chemical Company. (See Day, Howard D.)

Homasote Company, The. (See Agasote Millboard Co., The.)

Horn & Hardart Baking Company, Philadelphia, Pa. Coffee, tea, cakes, etc. 386,370; Apr. 8; Serial No. 354,295; published Nov. 1, 1938. Class 46.

House of Herbs, Inc., Canaan, Conn. Food products. 386,417; Apr. 8; Serial No. 437,444; published Jan. 28, 1941. Class 46.

Hyglenol Company. (See Levy, Maurice, assignor.)

Igstaedter, Gus, assignor to Swiss Mills, Inc., New York, N. Y. Cotton piece goods. 139,822; renewed Feb. 22, 1941.

International Laboratories, Inc. (See Clements, Fred W., assignor.)

International Shoe Company. (See Plant, Thomas G., Company, assignor.)

Jardur Import Company. (See Klepper, Lillian R.)

Johnston-Shelton Company, The, Dayton, Ohio. Union suits, shirts, undershirts, etc. 386,379; Apr. 8; Serial No. 429,183; published Jan. 28, 1941. Class 39.

Kent Vegetable Growers' Association, The, Kent, Wash. Vegetables. 386,415; Apr. 8; Serial No. 437,340; published Jan. 28, 1941. Class 46.

Kirsch Company, Sturgis, Mich. Venetian blinds. 386,425; Apr. 8; Serial No. 437,950; published Jan. 28, 1941. Class 32.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 386,382; Apr. 8; Serial No. 430,404; published June 4, 1940. Class 40.

Klepper, Lillian R., doing business as Jardur Import Company, New York, N. Y. Chronographs, flight calculators. 386,403; Apr. 8; Serial No. 436,613; published Jan. 28, 1941. Class 26.

Kraft Cheese Company. (See Chesire Kitchens, Inc., assignor.)

Kraft Cheese Company. (See Phenix Cheese Company, assignor.)

Lan Gage, Inc., Minneapolis, Minn. Liquid level indicators. 386,421; Apr. 8; Serial No. 437,625; published Jan. 28, 1941. Class 26.

Lesher, Whitman & Co., Inc., New York, N. Y., to Goodall Worsted Company, Sanford, Maine, successor. Piece goods. 145,131-2; renewed July 26, 1941.

Levin, Harry M., doing business as Golden Brand Food Products Co., Philadelphia, Pa. Salad dressing. 386,395; Apr. 8; Serial No. 434,880; published Jan. 28, 1941. Class 46.

Levy, Maurice, New York, N. Y., assignor to Hygienol Company, Inc., New Rochelle, N. Y. Talcum powder, face powder, cold cream, rouge, etc. 145,718; renewed Aug. 16, 1941.

Luxuray, Inc., New York, N. Y. Slips, petticoats, bloomers, etc. 386,423; Apr. 8; Serial No. 437,776; published Jan. 28, 1941. Class 39.

Meincke, Howard D., Chicago, Ill. Chemically treated starch, principally in powdered form. 386,434; Apr. 8; Serial No. 438,577; published Jan. 28, 1941. Class 6.

Menley & James, Limited, New York, N. Y. Prophylactic ointment. 143,683; renewed June 7, 1941.

Meyer, S., & Co., New York, N. Y. Shower curtains. 386,380; Apr. 8; Serial No. 429,710; published Jan. 28, 1941. Class 13.

Milwaukee Steel Foundry Company, Milwaukee, Wis. Castings made of certain metals. 144,202; renewed June 28, 1941.

More-Jones Brass & Metal Company, assignor to National Bearing Metals Corporation, St. Louis, Mo. Babbitt metal. 145,159-0; renewed July 26, 1941.

More-Jones Brass & Metal Company, assignor to National Bearing Metals Corporation, St. Louis, Mo. Bearing metal. 145,160; renewed July 26, 1941.

Morey Mercantile Company, The. (See Foster Honey & Mercantile Co., The, assignor.)

Morris Mantles Ltd., London, England. Coats, suits, sweaters, etc. 386,424; Apr. 8; Serial No. 437,876; published Jan. 28, 1941. Class 39.

Mosinger Brothers, St. Louis, Mo. Men's shoes. 386,399; Apr. 8; Serial No. 435,726; published Jan. 28, 1941. Class 39.

Mustard Maid, Inc., New York, N. Y. Prepared mustard. 386,394; Apr. 8; Serial No. 434,609; published Jan. 28, 1941. Class 46.

Mutual Orange Distributers. (See Redlands Heights Orchards, Ltd.)

National Bearing Metals Corporation. (See More-Jones Brass & Metal Company, assignor.)

National Biscuit Company. (See Bishop & Company, assignor.)

National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit. 143,108; renewed May 24, 1941.

National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit. 143,693; renewed June 7, 1941.

National Biscuit Company, Jersey City, N. J., to National Biscuit Company, New York, N. Y. Biscuit. 145,231; renewed July 26, 1941.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Automobile, tractor, and bicycle pneumatic tires, and inner tubes, brake linings, etc. 386,373; Apr. 8; Serial No. 422,448; published Jan. 28, 1941. Class 35.

Nefsky, Joseph, doing business as Blem-Ban Products Co., Chicago, Ill. Cosmetics such as face creams and face powders. 386,428; Apr. 8; Serial No. 438,206; published Jan. 28, 1941. Class 6.

New York Woodfinishers' Supply Co. Inc., New York, N. Y. Paints and painters' materials. 141,419; renewed Apr. 19, 1941.

Northern Illinois Cereal Company, Lockport, Ill. Rolled oats. 386,422; Apr. 8; Serial No. 437,737; published Jan. 28, 1941. Class 46.

O'Brien, William B., Jr., Port Huron, Mich. Pneumatic tire inflators. 386,461; Apr. 8. Class 35.

Orbis Products Corporation, New York, N. Y. Emulsifier for oils and tars. 386,390; Apr. 8; Serial No. 433,792; published Jan. 28, 1941. Class 6.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game. 386,451; Apr. 8; Serial No. 438,990; published Jan. 28, 1941. Class 22.

Patrick, H. H., doing business as Ade-O-Matic Company, Chicago, Ill. Stove surface hot plates. 386,418; Apr. 8; Serial No. 437,479; published Jan. 28, 1941. Class 34.

Permorite Products Co. (See de Pencier, Elmer M.)

Petra, Sterglus T., New York, N. Y. Easels, wooden display cabinets and picture frames, etc. 386,429; Apr. 8; Serial No. 438,212; published Jan. 28, 1941. Class 32.

Petra, Sterglus T., doing business as Petra Wood Novelty Co., New York, N. Y. Wooden novelty and sketch boxes, wooden display cases. 386,381; Apr. 8; Serial No. 430,376; published Jan. 28, 1941. Class 2.

Phenix Cheese Company, New York, N. Y., assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Cheese, butter, and eggs. 142,711; renewed May 17, 1941.

Philadelphia Shoe Repairing Company, Inc., assignor to F. P. Capotosto, doing business as "Capa Shoe Service," Philadelphia, Pa. Shoes and insoles and heels. 142,317; renewed May 10, 1941.

Philippe, Louis, New York, N. Y., assignor, by mesne assignments, to Affiliated Products, Inc., Jersey City, N. J. Perfumes, cosmetics, and skin-lotions. 143,135; renewed May 24, 1941.

Photo Technical Corporation, The, South Norwalk, Conn. Developer and fixer for films. 386,454; Apr. 8. Class 6.

Plant, Thomas G., Company, Boston, Mass., assignor, by mesne assignments, to International Shoe Company, St. Louis, Mo. Boots, shoes, and slippers. 145,781; renewed Aug. 16, 1941.

Pond's Extract Company, New York, N. Y. Lipsticks. 386,435; Apr. 8; Serial No. 438,585; published Jan. 28, 1941. Class 6.

Rafkin Bros., New York, N. Y.. Sportswear. 386,460; Apr. 8. Class 39.

Redlands Heights Orchards, Ltd., to Mutual Orange Distributers, Redlands, Calif., successor. Fresh citrus fruits. 143,723; renewed June 7, 1941.

Reed, John T., doing business as Reed Products Co., Los Angeles, Calif. Wines. 386,420; Apr. 8; Serial No. 437,577; published Jan. 28, 1941. Class 47.

Reis, Robert & Co., New York, N. Y. Clothing. 145,798; renewed Aug. 16, 1941.

Rilling-Arnao Company, Minneapolis, Minn. Creams and hair conditioning solutions. 386,452; Apr. 8. Class 6.

Robinson Syrup Co., Inc., Cairo, Ga. Table syrup. 386,374; Apr. 8; Serial No. 425,811; published Jan. 28, 1941. Class 46.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonographs and phonographic apparatus. 386,416; Apr. 8; Serial No. 437,353; published Jan. 28, 1941. Class 36.

Roger & Gallet, New York, N. Y. Toilet soaps, soap pastes, soap powders, etc. 386,376; Apr. 8; Serial No. 427,773; published July 16, 1940. Class 4.

Roma Wine Company, Inc., Fresno, Calif. Wines. 386,411; Apr. 8; Serial No. 437,288; published Dec. 24, 1940. Class 47.

Rueckheim Bros. & Eckstein, assignor to Cracker Jack Co., The, Chicago, Ill. Ice-cream cones. 144,900; renewed July 19, 1941.

Rytex Company, The, Indianapolis, Ind. Writing paper and envelopes. 386,387; Apr. 8; Serial No. 433,031; published Oct. 29, 1940. Class 37.

Sabo Chemical Products. (See Soban, Peter J.)

Samuel Stores, Inc., The, New York, N. Y. Radio receiving and radio sending sets. 386,407; Apr. 8; Serial No. 436,909; published Jan. 28, 1941. Class 21.

Schainman Sportwear Co., New York, N. Y. Clothing. 386,419; Apr. 8; Serial No. 437,483; published Jan. 28, 1941. Class 39.

Schiff Company, The, Columbus, Ohio. Shoes. 386,389; Apr. 8; Serial No. 433,629; published Jan. 28, 1941. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Plaiters. 140,432; renewed Mar. 15, 1941.

Sears, Roebuck and Co., Chicago, Ill. Cotton-batting. 140,965; renewed Mar. 29, 1941.

Sears, Roebuck and Co., Chicago, Ill. Wool yarn. 141,670; renewed Apr. 26, 1941.

Sharp & Dohme, Baltimore, Md., assignor, by mesne assignments, to Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic powder. 140,435; renewed Mar. 15, 1941.

Singing Towers, Inc., Chicago, Ill. Electric remote control sound distribution systems. 386,384; Apr. 8; Serial No. 431,789; published Jan. 28, 1941. Class 21.

Slimachine Co. (See Turner, Alfred W.)

Sloan, Clark, Co., Shawnee, Okla. Specially prepared liquid substance for use in reconditioning fabrics. 386,448; Apr. 8; Serial No. 438,922; published Jan. 28, 1941. Class 6.

Slote & Klein, Inc., Jersey City, N. J. Ladies' belts. 386,413-4; Apr. 8; Serial Nos. 437,323-4; published Jan. 28, 1941. Class 39.

Smith, Alfred H., Company, assignor to Vadsco Sales Corporation, New York, N. Y. Soaps. 145,461; renewed Aug. 2, 1941.

Soban, Peter J., doing business as Sabo Chemical Products, Chicago, Ill. Laundry bleach, disinfectant, liquid ammonia, liquid insect spray, and roach powder. 386,456; Apr. 8. Class 6.

Socony-Vacuum Oil Company. (See Vacuum Oil Company, assignor.)

Spee-Dee Manufacturing & Sales Co., Grand Rapids, Mich. Wire splicing device. 386,398; Apr. 8. 435,634; published Jan. 28, 1941. Class 21.

St. Louis Coal Co., St. Louis, Mo., and Coulterville, Ill., to St. Louis Coal Co., St. Louis, Mo. Coal. 142,337; renewed May 10, 1941.

Sullivan, Joseph T., doing business as Gydro Spray Company, Philadelphia, Pa. All-metal spray, operating by faucet water pressure, for treatment of vaginal tissues. 386,442; Apr. 8; Serial No. 438,818; published Jan. 28, 1941. Class 44.

Sweet Candy Company, Salt Lake City, Utah. Candies. 139,900; renewed Feb. 22, 1941.

Swiss Mills, Inc. (See Igstaedter, Gus., assignor.)

Temple Phonograph & Cabinet Corporation, The, Manchester, Conn. Phonographs. 386,392-3; Apr. 8; Serial Nos. 433,872-3; published Jan. 28, 1941. Class 36.

Tesoro, Salvatore F., doing business as Tesoro Brand Products Co. and as Chicago Spice & Flavoring Extract Co., Chicago, Ill. Olive oil, canned soup, cheese, etc. 386,458; Apr. 8. Class 46.

Thompson Products Incorporated. (See Drake, J. A., and Sons, assignor.)

Tri-Valley Packing Association. (See California Co-Operative Canneries, assignor.)

Turco Products, Inc., Los Angeles, Calif. Cleaning compounds for the washing of painted surfaces, automobiles and the like. 386,391; Apr. 8; Serial No. 433,803; published Jan. 28, 1941. Class 4.

Turner, Alfred W., doing business as Slimachine Co., Philadelphia, Pa. Exercising apparatus. 386,427; Apr. 8; Serial No. 438,101; published Jan. 28, 1941. Class 22.

United Drug Company, assignor to United Drug Company, Boston, Mass. Writing paper and envelops. 140,456; renewed Mar. 15, 1941.

United States Rubber Company, New York. Rubber tires for vehicles. 386,436; Apr. 8; Serial No. 438,593; published Jan. 28, 1941. Class 35.

Vacuum Belting Company, Indianapolis, Ind. Belting. 144,961; renewed July 19, 1941.

Vacuum Oil Company, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oils, greases, and waxes of all kinds, etc. 145,845; renewed Aug. 16, 1941.

Vadsco Sales Corporation. (See Smith, Alfred H., Company.)

Warlo Corporation, New York, N. Y. Apparatus for purifying and softening water. 386,449; Apr. 8; Serial No. 348,968; published Jan. 28, 1941. Class 31.

Warner, Flora M., to O. F. H. Warner & Co., Inc., Baltimore, Md., successor. Paper for writing, printing, etc. 140,691; renewed Mar. 22, 1941.

West Bend Aluminum Co., West Bend, Wisc. Aluminum table and cooking hollow ware. 386,455; Apr. 8. Class 13.

Whitehead Bros. Rubber Co., The, Trenton, N. J. Hose of rubber and cotton canvas duck. 145,864; renewed Aug. 16, 1941.

Wilco Drug, Inc., Brooklyn, N. Y. Laxative of mineral oil and agar. 386,443; Apr. 8; Serial No. 438,823; published Jan. 28, 1941. Class 6.

Wolwin Chair Company, The, Willoughby, Ohio. Lounge chairs. 386,433; Apr. 8; Serial No. 438,562; published Jan. 28, 1941. Class 32.

Younghusband, James L., Chicago, Ill., assignor, by mesne assignments, to Affiliated Products, Inc., Jersey City, N. J. Eyebrow-dressing. 144,299; renewed June 28, 1941.

Zeon, Chicago, Ill. Electric lighting fixtures, electric lamps, lamp tubing, etc. 386,400; Apr. 8; Serial No. 435,994; published Jan. 28, 1941. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. St. Louis Coal Co. 142,337; renewed May 10, 1941.

Cotton-batting. Sears, Roebuck and Co. 140,965; renewed Mar. 29, 1941.

Timber, Raw. American Pitch Pine Export Company. 140,545; renewed Mar. 22, 1941.

CLASS 2

Boxes, wooden display cases, Wooden novelty and sketch. S. T. Petra. 386,381; Apr. 8; Serial No. 430,376; published Jan. 28, 1941.

CLASS 3

Knitting bags. D. W. Dunberg. 386,453; Apr. 8.

CLASS 4

Cleaner, Glass. Beacon Chemical Corporation. 386,430; Apr. 8; Serial No. 438,260; published Jan. 28, 1941.

Cleaning compounds. Turco Products, Inc. 386,391; Apr. 8; Serial No. 433,803; published Jan. 28, 1941.

Soaps. Alfred H. Smith Company. 145,461; renewed Aug. 2, 1941.

Soaps. Colgate & Company. 145,635; renewed Aug. 16, 1941.

Soaps, soap pastes, soap powders, etc., Toilet. Roger & Gallet. 386,376; Apr. 8; Serial No. 427,773; published July 16, 1940.

CLASS 6

Astringent for poultry, Intestinal. R. W. Cooke. 386,372; Apr. 8; Serial No. 417,001; published Jan. 28, 1941.

Capsules of fish liver oil. George A. Breon & Company. 386,437; Apr. 8; Serial No. 438,604; published Jan. 28, 1941.

Cosmetics such as face creams and face powders. J. Nefsky. 386,428; Apr. 8; Serial No. 438,206; published Jan. 28, 1941.

Creams and hair conditioning solutions. Rilling-Arnao Company. 386,452; Apr. 8.

Developer and fixer for films. Photo Technical Corporation, The. 386,454; Apr. 8.

Emulsifier oils and tars. Orbis Products Corporation. 386,390; Apr. 8; Serial No. 433,792; published Jan. 28, 1941.

Eyebrow dressing. J. L. Younghusband. 144,299; renewed June 28, 1941.
Laundry bleach, disinfectant, liquid ammonia, liquid insect spray, and roach powder. P. J. Soban. 386,456; Apr. 8.
Laxative of mineral oil and agar. Wilco Drug, Inc. 386,443; Apr. 8; Serial No. 438,823; published Jan. 28, 1941.
Lipsticks. Pond's Extract Company. 386,435; Apr. 8; Serial No. 438,585; published Jan. 28, 1941.
Liquid substance for use in reconditioning fabrics. Sloan, Clark Co. 386,448; Apr. 8; Serial No. 438,922; published Jan. 28, 1941.
Medicinal preparations. G. Harris. 145,961; renewed Aug. 23, 1941.
Methyl methacrylate monomer and methyl methyl methacrylate polymer. E. I. du Pont de Nemours and Company. 386,383; Apr. 8; Serial No. 431,446; published Jan. 28, 1941.
Oil and ointment. H. D. Day. 386,385; Apr. 8; Serial No. 431,807; published Jan. 28, 1941.
Palliative for pyorrhea, alveolaris, or Riggs' disease. F. W. Clements. 145,630; renewed Aug. 16, 1941.
Perfumes, cosmetics, and skin-lotions. L. Phillippe. 143,135; renewed May 24, 1941.
Pharmaceutical preparation, more particularly vitamin E. concentrate. Distillation Products, Inc. 386,441; Apr. 8; Serial No. 438,793; published Jan. 28, 1941.
Photographic preparations and photographic chemicals. Fink-Roselieve Co. 386,450; Apr. 8; Serial No. 438,980; published Jan. 28, 1941.
Powder, Antiseptic. Sharp & Dohme. 140,435; renewed Mar. 15, 1941.
Preparations for application to the hair, Liquid. Arlette, Inc. 386,439–40; Apr. 8; Serial Nos. 438,750–1; published Jan. 28, 1941.
Preparation for internal use in relieving asthma, bronchitis, etc. J. De Palma. 386,410; Apr. 8; Serial No. 437,166; published Jan. 28, 1941.
Prophylactic ointment. Menley & James, Limited. 143,683; renewed June 7, 1941.
Solvent fluid. E. M. de Pencier. 386,447; Apr. 8; Serial No. 438,870; published Jan. 28, 1941.
Starch, principally in powdered form, Chemically treated. H. D. Meincke. 386,434; Apr. 8; Serial No. 438,577; published Jan. 28, 1941.
Talcum powder, face-powder, cold-cream, rouge, etc. M. Levy. 145,718; renewed Aug. 16, 1941.
Textile printing pastes, textile colors, and extenders and thinners. Aridye Corporation. 386,438; Apr. 8; Serial No. 438,677; published Jan. 28, 1941.

CLASS 12

Asphaltum. Barber Asphalt Paving Company. 144,545; renewed July 12, 1941.
Fiber-boards. Agasote Millboard Co. 143,272; renewed May 31, 1941.

CLASS 13

Aluminum table and cooking hollow ware. West Bend Aluminum Co. 386,455; Apr. 8.
Fasteners, Separable slide. Crown Fastener Corporation. 386,402; Apr. 8; Serial No. 436,501; published Jan. 28, 1941.
Shower curtains. S. Meyer & Co. 386,380; Apr. 8; Serial No. 429,710; published Jan. 28, 1941.
Trays, pitchers, casseroles, etc., Base metal. Everlast Metal Products Corp. 386,377; Apr. 8; Serial No. 427,931; published Jan. 28, 1941.
Ware consisting of the following—trays, pitchers, casseroles, etc., Base metal. Everlast Metal Products Corp. 386,378; Apr. 8; Serial No. 428,869; published Jan. 28, 1941.

CLASS 14

Castings. Milwaukee Steel Foundry Company. 144,202; renewed June 28, 1941.
Iron and steel sheets and plates, and tin and terne plates. American Sheet and Tin Plate Company. 145,026; renewed July 26, 1941.
Metal, Babbitt. More-Jones Brass & Metal Company. 145,156–9; renewed July 26, 1941.
Metal, Bearing. More-Jones Brass & Metal Company. 145,160; renewed July 26, 1941.
Steel in the form of bars, blocks, etc. Hawkridge Brothers Company. 386,408; Apr. 8; Serial No. 436,999; published Jan. 28, 1941.

CLASS 15

Oils, greases, and waxes of all kinds, etc. Vacuum Oil Company. 145,845; renewed Aug. 16, 1941.

CLASS 16

Paints and painters' materials. New York Woodfinishers' Supply Co. Inc. 141,419; renewed Apr. 19, 1941.

CLASS 19

Bicycles. D. P. Harris Hardware & Manufacturing Co. Inc. 145,686–7; renewed Aug. 16, 1941.

CLASS 21

Fuses and cut-outs, Electric. Bussmann Manufacturing Company. 141,501; renewed Apr. 26, 1941.
Ignition coils, distributor parts, condensers, etc. Guaranteed Parts Co. 386,409; Apr. 8; Serial No. 437,133; published Jan. 28, 1941.
Lighting fixtures, electric lamps, lamp tubing, etc., Electric. Zeon. 386,400; Apr. 8; Serial No. 435,994; published Jan. 28, 1941.
Radio receiving and radio sending sets. Samuel Stores, Inc. 386,407; Apr. 8; Serial No. 436,909; published Jan. 28, 1941.
Sound distribution systems, Electric remote control. Singing Towers, Inc. 386,384; Apr. 8; Serial No. 431,789; published Jan. 28, 1941.
Wire splicing device. Spec-Dee Manufacturing & Sales Co. 386,398; Apr. 8; Serial No. 435,634; published Jan. 28, 1941.

CLASS 22

Amusement and exercising devices, Combined. J. J. Charters. 386,432; Apr. 8; Serial No. 438,468; published Jan. 28, 1941.
Exercising apparatus. A. W. Turner. 386,427; Apr. 8; Serial No. 438,101; published Jan. 28, 1941.
Game. Parker Brothers, Inc. 386,451; Apr. 8; Serial No. 438,990; published Jan. 28, 1941.
Skis. Gregg Manufacturing Company. 386,412; Apr. 8; Serial No. 437,309; published Jan. 28, 1941.

CLASS 23

Plaiters. Sears, Roebuck and Co. 140,432; renewed Mar. 15, 1941.
Valves. J. A. Drake and Sons. 143,318; renewed May 31, 1941.

CLASS 26

Chronographs, flight calculators. L. R. Klepper. 386,403; Apr. 8; Serial No. 436,613; published Jan. 28, 1941.
Liquid level indicators. Lan Gage, Inc. 386,421; Apr. 8; Serial No. 437,625; published Jan. 28, 1941.

CLASS 28

Bracelets, brooches, and finger-rings or precious metal. Goldman-Kolber Co. 141,561; renewed Apr. 26, 1941.

CLASS 31

Apparatus for purifying and softening water. Warlo Corporation. 386,449; Apr. 8; Serial No. 438,968; published Jan. 28, 1941.

CLASS 32

Blinds, Venetian. Chas. W. Breneman Co. 386,444–6; Apr. 8; Serial Nos. 438,862–4; published Jan. 28, 1941.
Blinds, Venetian. Kirsch Company. 386,425; Apr. 8; Serial No. 437,950; published Jan. 28, 1941.
Chairs, Lounge. Wolwin Chair Company. 386,433; Apr. 8; Serial No. 438,562; published Jan. 28, 1941.
Easels, wooden display cabinets, and picture frames, etc. S. T. Petra. 386,429; Apr. 8; Serial No. 438,212; published Jan. 28, 1941.

CLASS 34

Lighters, Catalytic. W. D. Davies. 386,426; Apr. 8; Serial No. 438,039; published Jan. 28, 1941.
Plates, Stove surface hot. H. H. Patrick. 386,418; Apr. 8; Serial No. 437,479; published Jan. 28, 1941.

CLASS 35

Belting. Vacuum Belting Company. 144,961; renewed July 19, 1941.
Hose. Whitehead Bros. Rubber Co. 145,864; renewed Aug. 16, 1941.
Tire inflators, Pneumatic. W. B. O'Brien, Jr. 386,461; Apr. 8.
Tires and inner tubes, brake linings, Automobile, tractor, and bicycle, Pneumatic. National Co-operatives, Inc. 386,373; Apr. 8; Serial No. 422,488; published Jan. 28, 1941.
Tires for vehicles, Rubber. United States Rubber Company. 386,430; Apr. 8; Serial No. 438,593; published Jan. 28, 1941.

CLASS 36

Phonographs and phonographic apparatus. Rock-Ola Manufacturing Corporation. 386,416; Apr. 8; Serial No. 437,353; published Jan. 28, 1941.
Phonographs, electric and mechanical. Temple Phonograph & Cabinet Corporation. 386,392–3; Apr. 8; Serial Nos. 433,872–3; published Jan. 28, 1941.

CLASS 37

Paper and envelopes, Writing. United Drug Company. 140,456; renewed Mar. 15, 1941.
Paper for writing, printing, etc. F. M. Warner. 140,691; renewed Mar. 22, 1941.
Writing paper and envelopes. The Rytex Company. 386,387; Apr. 8; Serial No. 433,031; published Oct. 29, 1940.

CLASS 38

Periodical. Goodyear Tire & Rubber Company. 143,624; renewed June 7, 1941.

Printed volumes. D. C. Breninger. 140,571; renewed Mar. 22, 1941.
Publications. Credit Clearing House. 140,786; renewed Mar. 29, 1941.

CLASS 39

Belts. Slote & Klein, Inc. 386,413–4; Apr. 8; Serial Nos. 437,323–4; published Jan. 28, 1941.
Boots, shoes, and slippers. Thomas Brown & Co. 137,132; renewed Nov. 23, 1940.
Boots, shoes, and slippers. Thomas G. Plant Company. 145,781; renewed Aug. 16, 1941.
Clothing. Cohen, Goldman & Co., Inc. 145,632; renewed Aug. 16, 1941.
Clothing. Robert Reis & Co. 145,798; renewed Aug. 16, 1941.
Clothing. Schainman Sportswear Co. 386,419; Apr. 8; Serial No. 437,483; published Jan. 28, 1941.
Coats, suits, sweaters, etc. Morris Mantles Ltd. 386,424; Apr. 8; Serial No. 437,876; published Jan. 28, 1941.
Hosiery. Chipman Knitting Mills. 145,628; renewed Aug. 16, 1941.
Shoes. Gold Shoe Co. 386,397; Apr. 8; Serial No. 435,578; published Jan. 21, 1941.
Shoes. Mosinger Brothers. 386,399; Apr. 8; Serial No. 435,726; published Jan. 28, 1941.
Shoes. Schiff Company. 386,389; Apr. 8; Serial No. 433,629; published Jan. 28, 1941.
Shoes and insoles and heels. Philadelphia Shoe Repairing Company. 142,317; renewed May 10, 1941.
Slips, petticoats, bloomers, etc. Luxuray, Inc. 386,423; Apr. 8; Serial No. 437,776; published Jan. 28, 1941.
Sportswear. Rafkin Bros. 386,460; Apr. 8.
Suits, shirts, undershirts, etc., Union. Johnston-Shelton Company. 386,379; Apr. 8; Serial No. 429,183; published Jan. 28, 1941.

CLASS 40

Bows made of fabrics and composition. Godette Products Corporation. 386,375; Apr. 8; Serial No. 427,199; published Jan. 28, 1941.
Clasps, Garment. L. A. Crow. 386,457; Apr. 8.
Shields, Dress. I. B. Kleinert Rubber Company. 386,382; Apr. 8; Serial No. 430,404; published June 4, 1940.

CLASS 42

Piece goods. Lesher, Whitman & Co., Inc. 145,131–2; renewed July 26, 1941.
Piece goods, Cotton. G. Igstaedter. 139,822; renewed Feb. 22, 1941.

CLASS 43

Yarn, Wool. Sears, Roebuck and Co. 141,670; renewed Apr. 26, 1941.

CLASS 44

Boots or bandages of rubber or fabric. B. W. Henderson. 386,431; Apr. 8; Serial No. 438,336; published Jan. 28, 1941.
Spray for treatment of vaginal tissues, All metal. J. T. Sullivan. 386,442; Apr. 8; Serial No. 438,818; published Jan. 28, 1941.

CLASS 46

Biscuit. National Biscuit Company. 143,108; renewed May 24, 1941.
Biscuit. National Biscuit Company. 143,693; renewed June 7, 1941.
Biscuit. National Biscuit Company. 145,231; renewed July 26, 1941.
Bread. Cable-Draper Baking Company. 145,329; renewed Aug. 2, 1941.
Candies. Sweet Candy Company. 139,900; renewed Feb. 22, 1941.
Canned fruits and canned vegetables. California Co-Operative Canneries. 145,545; renewed Aug. 9, 1941.
Canned vegetables and canned tomato juice. V. F. Farmer. 386,386; Apr. 8; Serial No. 432,972; published Jan. 28, 1941.
Cheese, butter, and eggs. Phenix Cheese Company. 142,711; renewed May 17, 1941.
Coffee, tea, cakes, etc. Horn & Hardart Baking Company. 386,370; Apr. 8; Serial No. 354,295; published Nov. 1, 1938.
Confectionery. The Borden Company. 144,352; renewed July 5, 1941.
Crackers, biscuits, and cakes, etc. Bishop & Company. 145,323; renewed Aug. 2, 1941.
Flour, Wheat. Colorado Milling & Elevator Co. 145,636; renewed Aug. 16, 1941.
Food, Poultry. General Mills, Inc. 386,388; Apr. 8; Serial No. 433,565; published Oct. 29, 1940.
Food products. House of Herbs, Inc. 386,417; Apr. 8; Serial No. 437,444; published Jan. 28, 1941.
Foods, Dog. Albert Dickinson Company. 386,401; Apr. 8; Serial No. 436,303; published Jan. 28, 1941.
Fruits, Fresh citrus, Redlands Heights Orchards, Ltd. 143,723; renewed June 7, 1941.
Gum, Chewing. Chew Chaw Co. 386,396; Apr. 8; Serial No. 435,014; published Jan. 28, 1941.
Hams, Boiled. Fleischmanns. 386,371; Apr. 8; Serial No. 400,229; published Dec. 27, 1938.
Honey. Foster Honey & Mercantile Co. 140,594; renewed Mar. 22, 1941.
Honey, apple butter, and prune juice. Max Ams, Inc. 386,404; Apr. 8; Serial No. 436,787; published Dec. 17, 1940.
Ice-cream. Beatrice Creamery Company. 145,605; renewed Aug. 16, 1941.
Ice-cream cones. Ruckheim Bros. & Eckstein. 144,900; renewed July 19, 1941.
Milk in powder condensed and evaporated form. Bestov Products, Inc. 386,405; Apr. 8; Serial No. 436,875; published Jan. 28, 1941.
Mustard, Prepared. Mustard Maid, Inc. 386,394; Apr. 8; Serial No. 434,609; published Jan. 28, 1941.
Oats, Rolled. Northern Illinois Cereal Company. 386,422; Apr. 8; Serial No. 437,737; published Jan. 28, 1941.
Olive oil, canned soup, cheese, etc. S. F. Tesoro. 386,458; Apr. 8.
Popcorn. The American Pop Corn Company. 144,682–3; renewed July 19, 1941.
Potatoes. E. J. Briggs. 386,406; Apr. 8; Serial No. 436,878; published Jan. 28, 1941.
Poultry and livestock feeds. Dietrich & Gambrill, Inc. 386,459; Apr. 8.
Salad dressing. H. M. Levin. 386,395; Apr. 8; Serial No. 434,880; published Jan. 28, 1941.
Syrup, Table. Robinson Syrup Co. 386,374; Apr. 8; Serial No. 425,811; published Jan. 28, 1941.
Vegetables. Kent Vegetable Growers' Association. 386,415; Apr. 8; Serial No. 437,340; published Jan. 28, 1941.
Welsh rabbit, Dehydrated. Chesire Kitchens, Inc. 144,823; renewed July 19, 1941.

CLASS 47

Wines. J. T. Reed. 386,420; Apr. 8; Serial No. 437,577; published Jan. 28, 1941.
Wines. Roma Wine Company. 386,411; Apr. 8; Serial No. 437,288; published Dec. 24, 1940.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ashley, Carlyle M., Summit, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Air conditioning system for vehicles employing steam ejectors. Re. 21,761; Apr. 8.

Associated Electric Laboratories, Inc. (See Saunders, Norman H., assignor.)

Bendix Aviation Corporation. (See Irvin, George E., assignor.)

Carrier Corporation. (See Ashley, Carlyle M., assignor.)

Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive sheeting. Re. 21,762; Apr. 8.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. High frequency circuits. Re. 21,763; Apr. 8.

General Controls Company. (See Ray, W. A., assignor.)

General Electric Company. (See Fyler, G. W., assignor.)

Irvin, George E., Los Angeles, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Radio antenna retracting mechanism. Re. 21,764; Apr. 8.

Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch. Re. 21,765; Apr. 8.

Littell, F. J., Machine Company. (See Littell, F. M., assignor.)

Littell, Frederick M., Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill. Automatic controlling apparatus for strip feeding mechanism. Re. 21,766; Apr. 8.

Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)

Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)

Ray, William A., Glendale, Calif., assignor to General Controls Company. Solenoid. Re. 21,767; Apr. 8.

Saunders, Norman H., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. Re. 21,768; Apr. 8.

Tinnerman, George A., assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Sheet metal nut. Re. 21,769; Apr. 8.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

LIST OF DESIGN PATENTEES

Amen, Vivian, New York, N. Y. Dress. 126,533; Apr. 8.

Ancell, Samuel, New York, N. Y. Dress. 126,491; Apr. 8.

Andreé, Gilberte, New York, N. Y. Dress. 126,445; Apr. 8.

Audette, Benjamin J., Chicago, Ill. Bracket. 126,411; Apr. 8.

Beer, Leo, and Herman Stern, New York, N. Y. Dress trimming. 126,424; Apr. 8.

Beispel, Herman, New York, N. Y. Dress or similar article. 126,446; Apr. 8.

Beispel, Herman, New York, N. Y. Dress or similar article. 126,447; Apr. 8.

Beispel, Herman, New York, N. Y. Textile fabric or similar article. 126,521; Apr. 8.

Bell, James H., New York, N. Y. Bracelet or the like. 126,425; Apr. 8.

Bersano, Rose, Brooklyn, N. Y. Dress. 126,501; Apr. 8.

Bersano, Rose, Brooklyn, N. Y. Dress. 126,502; Apr. 8.

Bleich, Abraham H., Newton, Mass. Dress. 126,448; Apr. 8.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Chair. 126,426; Apr. 8.

Brand, Joe, Laredo, Tex. Maus shirt or similar article. 126,469; Apr. 8.

Braun, Arthur C., Maplewood, N. J. Finger ring. 126,373; Apr. 8.

Breer, Edna, New York, N. Y. Coat. 126,458; Apr. 8.

Breer, Edna, New York, N. Y. Redingote. 126,470; Apr. 8.

Bristol-Myers Company. (See Deskey, Donald, assignor.)

Brown & Bigelow. (See Trollen, Martin E., assignor.)

Brooks, Herman L., New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Combined jug and container. 126,427; Apr. 8.

Brown, George H., Highland Park, Ill. Pie plate. 126,356; Apr. 8.

Calichio, John J., New York, N. Y. Key case. 126,374; Apr. 8.

Carbotti, Marie, New York, N. Y. Dress ensemble. 126,503; Apr. 8.

Carbotti, Marie, New York, N. Y. Dress ensemble. 126,504; Apr. 8.

Carson, Netye D., New York, N. Y. Dress. 126,492; Apr. 8.

Carter, Pearl O, Los Angeles, Calif. Incinerator. 126,375; Apr. 8.

Casey, Margaret S., and Mary E. Schuler, Indianapolis, Ind. Service badge or similar article. 126,376; Apr. 8.

Champion Spark Plug Company. (See Sibley, Brace H., assignor.)

Charles of the Ritz, Inc. (See Colwell, Laurence J., assignor.)

Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)

Cincinnati Ball Crank Company, The. (See Fukal, Alfred F., assignor.)

Clien, William, Brooklyn, N. Y. Dress ensemble. 126,493; Apr. 8.

Cohen, David C. (See Trojan, José, assignor.)

Cohn, Irwin E., Leominster, Mass. Toy figure. 126,357; Apr. 8.

Cohn & Rosenberger Inc. (See Verrecchio, Gene, assignor.)

Collier, Freeman E., assignor to Foley Manufacturing Company, Minneapolis, Minn. Flour sifter. 126,358; Apr. 8.

Colwell, Laurence J., assignor to Charles of the Ritz, Inc., New York, N. Y. Bottle. 126,428; Apr. 8.

Coty, Inc. (See Brooks, Herman L., assignor.)

Courtney, Orley R., Lansing, Mich. Motorcycle. 126,359; Apr. 8.

Crane Co. (See Enthof, Edward W., assignor.)

Crisafulli, William S., Brooklyn, N. Y. Bottle. 126,429; Apr. 8.

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 126,459; Apr. 8.

Crystal Manufacturing Co. (See Trojan, José.)

Cummings, Israel, New York, N. Y. Textile fabric. 126,377; Apr. 8.

Cummings, Israel, New York, N. Y. Textile fabric. 126,378; Apr. 8.

Cummings, Israel, New York, N. Y. Textile fabric. 126,430; Apr. 8.

Cunningham, Andrew J. Snyder, N. Y. Goblet or similar article. 126,360; Apr. 8.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 126,361; Apr. 8.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 126,362; Apr. 8.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 126,363; Apr. 8.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 126,364; Apr. 8.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 126,365; Apr. 8.

Curtiss-Wright Corporation. (See Eaton, Bruce G., Jr. assignor.)

Cutler, Elizabeth, New York, N. Y. Dress ensemble. 126,505; Apr. 8.

Cutler-Hammer, Inc. (See Millermaster, R. A., and Stevens, assignors.)

Danese, Anthony J., assignor of one-half to J. Danese, Stockton, N. J. Medicine cabinet. 126,522; Apr. 8.

Danese, James. (See Danese, Anthony J., assignor.)

Dawson, Charles E., Holyoke, assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hairbrush. 126,379; Apr. 8.

Dazian's Incorporated. (See Green, Frank C., assignor.)

Del Re, Angelo, Brooklyn, N. Y. Coat. 126,527; Apr. 8.

Derry, Jasper, Medford, assignor to Terkelsen Machine Company, Boston, Mass. Miniature electric lamp socket. 126,506; Apr. 8.

Deskey, Donald, Annandale, N. J., assignor to Bristol-Myers Company, New York, N. Y. Collapsible tube. 126,431; Apr. 8.

Deskey, Donald, Annandale, N. J., assignor to Bristol-Myers Company, New York, N. Y. Collapsible tube. 126,432; Apr. 8.

Didisheim, Marc, La Chaux de Fonds, Switzerland. Watch. 126,380; Apr. 8.

Doctor, Isidor, Chicago, Ill. Dress. 126,507; Apr. 8.

Doctor, Isidor, Chicago, Ill. Dress. 126,534; Apr. 8.
Douglas, Mary, Inc. (See Hartvig, Louise M.)
Dunberg, David W., New York, N. Y. Combined mirror and compact. 126,449; Apr. 8.
Eaton, Bruce G., Jr., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Seaplane. 126,523; Apr. 8.
Eaton, Bruce G., Jr., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Airplane. 126,524; Apr. 8.
Elmo, Sadie, New York, N. Y. Dress ensemble. 126,535; Apr. 8.
Enthof, Edward W., assignor to Crane Co., Chicago, Ill. Spray head. 126,433; Apr. 8.
Evans, H. C., & Company. (See Schuyler, Clarence A., assignor.)
Faden, Sylvia, New York, N. Y. Dress. 126,450; Apr. 8.
Faden, Sylvia, New York, N. Y. Dress. 126,494; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,381; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,382; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,383; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,384; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,385; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,386; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,387; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,388; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,412; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,413; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,414; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,525; Apr. 8.
Faller, Rose, New York, N. Y. Textile fabric. 126,526; Apr. 8.
Faries Manufacturing Company. (See Livers, John F., assignor.)
Fee and Stemwedel, Inc. (See MacCowan, Hervey L., assignor.)
Fishman, Jacob, New York, N. Y. Transparent braid or similar article. 126,460; Apr. 8.
Florek, Ann, Chicago, Ill. Dress ensemble or similar article. 126,451; Apr. 8.
Foley Manufacturing Company. (See Collier, Freeman E., assignor.)
Foster, Charles H. W., Marblehead, Mass. Spoon. 126,389; Apr. 8.
Franklin, Lester K., Los Angeles, Calif. Radio cabinet or the like. 126,461; Apr. 8.
Freeman, Edna, New York, N. Y. Dress ensemble. 126,536; Apr. 8.
French, George W., Chicago, Ill. Necktie. 126,434; Apr. 8.
Fukal, Alfred F., Chicago, Ill., assignor to The Cincinnati Ball Crank Company and The Shott Manufacturing Company, jointly, Cincinnati, Ohio. Chair. 126,390; Apr. 8.
Galante, Francesco J. (See Mauro, M. A., and Galante.)
Gas Products Corporation. (See Parker, Claude E., assignor.)
Gebauer, Adelia, Phoenix, Ariz. Shoe. 136,391; Apr. 8.
General Vender Mfg. Co. (See Melchert, Charles A., assignor.)
Goodman, Morton, New York, N. Y. Dress. 126,452; Apr. 8.
Goodman, Morton, New York, N. Y. Dress ensemble. 126,453; Apr. 8.
Gopen, Samuel, New York, N. Y. Dress ensemble. 126,471; Apr. 8.
Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Washing machine agitator. 126,454; Apr. 8.
Graham, Herbert J., Philadelphia, Pa. Lighting fixture base plate. 126,392; Apr. 8.
Gray, Virginia, St. Louis, Mo. Dress. 126,472; Apr. 8.
Green, Frank C., Great Neck, assignor to Dazian's Incorporated, New York, N. Y. Woven cellophane and cotton fabric or similar article. 126,473; Apr. 8.
Green, Warren B., New York, assignor to U-Need-A-Pak Products Corp., Brooklyn, N. Y. Vending machine. 126,366; Apr. 8.
Greenwald, Charles S., New York, N. Y. Stocking or similar article. 126,528; Apr. 8.
Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)
Haon, Marion, New York, N. Y. Dress ensemble. 126,508; Apr. 8.
Harrison, Georgia D., Ames, Iowa. Children's playground apparatus. 126,367; Apr. 8.
Hartvig, Louise M., assignor to Mary Douglas, Inc., New York, N. Y. Sachet. 126,435; Apr. 8.
Herzog, Jack, New York, N. Y. Dress ensemble. 126,455; Apr. 8.
Heyer, Don, Hollywood, Calif. Coin operated motion picture machine. 126,393; Apr. 8.
Hilgersberger, Joanna M., New York, N. Y. Sun mask. 126,474; Apr. 8.
Higgins, Andrew J., assignor to Higgins Industries, Inc., New Orleans, La. Combined propellor shaft strut and reversing rudder. 126,537; Apr. 8.
Higgins Industries, Inc. (See Higgins, Andrew J., assignor.)
Hilt, Elizabeth, New York, N. Y. Dress. 126,509; Apr. 8.
Hirsch, Frank. (See Lipp, William, and Hirsch.)
Hirshfeld, Jerome, New York, N. Y. Telephone stand. 126,394; Apr. 8.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 126,475; Apr. 8.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 126,476; Apr. 8.
Hoffman, Rose R., Philadelphia, Pa. Bottle pourer. 126,395; Apr. 8.
Hoshafian, Lucy, Forest Hills, Long Island, N. Y. Dress. 126,510; Apr. 8.
Hoshafian, Lucy, Forest Hills, Long Island, N. Y. Dress. 126,538; Apr. 8.
Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)
Housholder, Owen. (See Trojan, José, assignor.)
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. A sadiron or the like. 126,437; Apr. 8.
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Steam generating sadiron. 126,438; Apr. 8.
Hurwitz, Bernard, New York, N. Y. Dress. 126,511; Apr. 8.
Hutchings, Edward W., Perry, Fla. Bottle carrier. 126,438; Apr. 8.
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 126,462; Apr. 8.
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Combined bumper and bumper guard or similar article. 126,463; Apr. 8.
Jones, Archdale J., New York, N. Y. Lapel pin or similar article. 126,396; Apr. 8.
Karoff, Robert B., New York, N. Y. Perfume container or similar article. 126,397; Apr. 8.
Karoff, Robert B., New York, N. Y. Combined cover and container for bath salts. 126,416; Apr. 8.
Katz, Louis, New York, N. Y. Dress ensemble. 126,539; Apr. 8.
Kay, Stephanie, Brooklyn, N. Y. Dress. 126,495; Apr. 8.
Kiam, Omar, New York, N. Y. Fur scarf. 126,439; Apr. 8.
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 126,398; Apr. 8.
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Kolbrener, Harry, New York, N. Y. Dress. 126,512; Apr. 8.
Kornberg, Hella, New York, N. Y. Dress ensemble. 126,540; Apr. 8.
Lapper, Benjamin, Bronx, assignor to National Pad & Tablet Corp., New York, N. Y. Combination desk pad and visible record file. 126,399; Apr. 8.
Lear Avia, Inc. (See Lear, William P., assignor.)
Lear, William P., assignor to Lear Avia, Inc., Dayton, Ohio. Radio control panel unit. 126,456; Apr. 8.
Leser, Tina, New York, N. Y. Beach bag. 126,477; Apr. 8.
Lewis, Florence N., New York, N. Y. Jewelry component or the like. 126,416; Apr. 8.
Lipp, William, and F. Hirsch, New York, N. Y. Shoe. 126,478; Apr. 8.
Livers, John F., assignor to Faries Manufacturing Company, Decatur, Ill. Fluorescent lighting fixture. 126,400; Apr. 8.
Lubow, Charlotte S., Woodmere, N. Y. Dress. 126,496; Apr. 8.
Lubow, Charlotte S., Woodmere, N. Y. Dress. 126,497; Apr. 8.
Ludwig, Louis, Brooklyn, N. Y. Attachment plug cap. 126,464; Apr. 8.
Lynn, Max, New York, N. Y. Coat. 126,479; Apr. 8.
MacCowan, Hervey L., Wilmette, assignor to Fee and Stemwedel, Inc., Chicago, Ill. Combined barometer and thermometer. 126,368; Apr. 8.
MacCowan, Hervey L., Wilmette, assignor to Fee and Stemwedel, Inc., Chicago, Ill. Field glass. 126,480; Apr. 8.
Macksoud, Alice, New York, N. Y. Negligee. 126,541; Apr. 8.
Maiden Form Brassière Company, Inc. (See Rosenthal, W., and Sachs, assignors.)
Marum, Alfred, Lawrence, Mass. Anklet. 126,481; Apr. 8.
Mauro, Michael A., and F. J. Galante, New York, N. Y. Display stand. 126,401; Apr. 8.
May, Florence, Atlanta, Ga. Lamp. 126,402; Apr. 8.
Mazer, Louis, New York, N. Y. Brooch or similar article. 126,417; Apr. 8.
Mazer, Louis, New York, N. Y. Brooch or similar article. 126,418; Apr. 8.
Melchert, Charles A., assignor to General Vender Mfg. Co., Kansas City, Mo. Bottle rack for vending machines. 126,369; Apr. 8.
Millermaster, Ralph A., Milwaukee, and C. B. Stevens, Fox Point, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric safety switch. 126,465; Apr. 8.

Monteil, Germaine, New York, N. Y. Dress. 126,498; Apr. 8.
Monteil, Germaine, New York, N. Y. Dress. 126,499; Apr. 8.
Monteil, Germaine, New York, N. Y. Dress. 126,513; Apr. 8.
Monteil, Germaine, New York, N. Y. Coat. 126,529; Apr. 8.
Monteil, Germaine, New York, N. Y. Dress. 126,542; Apr. 8.
Mosell, Frederic, New York, N. Y. Brooch. 126,403; Apr. 8.
Nadel, Ottille, C., New York, N. Y. Dress. 126,457; Apr. 8.
National Pad & Tablet Corp. (See Lapper, Benjamin, assignor.)
Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
Nussgruber, Gottfried, Vienna, Germany. Desk of playing cards. 126,404; Apr. 8.
O'Brien, Anne M., Port Richmond, Staten Island, N. Y. Tacking stitcher. 126,419; Apr. 8.
Parker, Claude, E., assignor to Gas Products Corporation, Chicago, Ill. Combined cover and utensil supporting structure for cook stove top burners. 126,420; Apr. 8
Parker, Claude, E., assignor to Gas Products Corporation, Chicago, Ill. Combined cover and utensil supporting structure for cook stove top burners. 126,421; Apr. 8.
Parker, Claude, E., assignor to Gas Products Corporation, Chicago, Ill. Combined cover and utensil supporting structure for cook stove top burners. 126,422; Apr. 8.
Parker-Kalon Corporation. (See Trott, Charles S.)
Payne, Jacob, Manhasset, N. Y. Bottle. 126,514; Apr. 8.
Payne, Ruth, New York, N. Y. Dress. 126,515; Apr. 8.
Philippe, Alfred, New York, N. Y. Pin clip. 126,482; Apr. 8.
Philippe, Alfred, New York, N. Y. Pin clip. 126,483; Apr. 8.
Philippe, Alfred, New York, N. Y. Pin clip. 126,484; Apr. 8.
Price, Blanche, Chicago, Ill. Dress. 126,516; Apr. 8.
Pro-phy-lac-tic Brush Company. (See Dawson, Charles E., assignor.)
Prouty, Willis O., Hermosa Beach, Calif. Plate or similar article. 126,370; Apr. 8.
Regelmann, William, Cranston, R. I. Brooch. 126,405; Apr. 8.
Reid, Aaron C., Benson, Ariz. Holder for toilet articles. 126,406; Apr. 8.
Reilly, Alfred F., North Attleboro, Mass. Receptacle for cigarettes and other articles. 126,485; Apr. 8.
Richards, Harper, Chicago, Ill. Cabinet. 126,407; Apr. 8.
Richman, Sol, New York, N. Y. Dress ensemble. 126,517; Apr. 8.
Riesenberg, Samuel, New York, N. Y. Dress ensemble. 126,486; Apr. 8.
Rosenshein, Philip, Brooklyn, N. Y. Coat. 126,530; Apr. 8.
Rosenthal, William, New York, and C. M. Sachs, Brooklyn, assignors to Maiden Form Brassière Company, Inc., New York, N. Y. Brassière or the like. 126,442; Apr. 8.
Rosenthal, William, New York, and C. M. Sachs, Brooklyn, assignors to Maiden Form Brassière Company, Inc., New York, N. Y. Brassière or the like. 126,443; Apr. 8.
Ruchman, Albert, New York, N. Y. Dress. 126,543; Apr. 8.
Ruchman, Albert, New York, N. Y. Dress. 126,544; Apr. 8.
Sachs, Charles M. (See Rosenthal, W., and Sachs.)
Sandhaus, Samuel, New York, N. Y. Coat. 126,531; Apr. 8.
Schnack, Henry S., Los Angeles, Calif. Rocking-horse velocipede. 126,371; Apr. 8.
Schuler, Mary E. (See Casey, M., and Schuler.)
Schuyler, Clarence A., assignor to H. C. Evans & Company, Inc., Chicago, Ill. Marksmanship practicing apparatus. 126,423; Apr. 8.
Schwartz, David, New York, N. Y. Dress. 126,487; Apr. 8.
Shacter, Harry, Westport, Conn. Dress. 126,518; Apr. 8.
Sherwin, Monroe, New York, N. Y. Fur scarf. 126,440; Apr. 8.
Shott Manufacturing Company, The. (See Fukal, Alfred F., assignor.)
Sibley, Brace H., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug. 126,466; Apr. 8.
Sibley, Brace H., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug. 126,467; Apr. 8.
Silson, Victor, New York, N. Y. Bracelet or similar article. 126,488; Apr. 8.
Silson, Victor, New York, N. Y. Pin clip. 126,489; Apr. 8.
Slawski, Stephen F., Culver City, Calif. Ironing board bracket. 126,441; Apr. 8.
Stevens, Clifford B. (See Millermaster, R. A., and Stevens.)
Terkelsen Machine Company. (See Derry, Jasper, assignor.)
Trojan, José, assignor to O. Housholder and D. C. Cohen, doing business as Crystal Manufacturing Co., Chicago, Ill. Merchandise display rack. 126,372; Apr. 8.
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Scissors. 126,408; Apr. 8.
Trott, Charles S., New York, assignor to Parker-Kalon Corporation, New York, N. Y. Socket head cap screw. 126,409; Apr. 8.
Troy, Hannah, New York, N. Y. Dress. 126,500; Apr. 8.
Troy, Hannah, New York, N. Y. Dress ensemble. 126,519; Apr. 8.
U-Need-A-Pak Products Corp. (See Green, Warren B., assignor.)
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Pin clip. 126,490; Apr. 8.
Walker, Joset, New York, N. Y. Dress. 126,545; Apr. 8.
Weinberg, Albert B., New York, N. Y. Dress. 126,520; Apr. 8.
Weinberg, Albert B., New York, N. Y. Dress. 126,546; Apr. 8.
Weinberg, Albert B., New York, N. Y. Dress. 126,547; Apr. 8.
Weinstok, Jozsef, Brooklyn, N. Y. Candle holder. 126,444; Apr. 8.
Wilson, John W., assignor to The Zangerle & Peterson Company, Chicago, Ill. Lamp table. 126,548; Apr. 8.
Wingert, Paul, Montpelier, Ohio. Stove. 126,468; Apr. 8.
Wolk, Horace O., New York, N. Y. Coat. 126,532; Apr. 8.
Zangerle & Peterson Company, The. (See Wilson, John W., assignor.)
Zimmerman, Allan, New York, N. Y. Textile fabric. 126,410; Apr. 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Harold A., and W. B. Files, assignors of one-fourth to R. P. Ingalls, Bakersfield, and three-eighths to M. T. Hallock, Delano, and said Files assignor of three-sixteenths to R. V. Anderson, Bakersfield, Calif. Sectional Venetian blind. 2,237,539; Apr. 8.

"Aeroplane Caproni" Societa Anonima. (See Lanciani, Ettore, assignor.)

Aetna Iron & Steel Co. (See Spaulding, Ralph E., assignor.)

Aetna-Standard Engineering Company, The. (See Lewis, Kenneth B., assignor.)

Agostineto, Giacomo, Trout Creek, Mich. Post or pole sinker. 2,237,383; Apr. 8.

Air Reduction Company. (See Tyrner, Joseph, assignor.)

Akin, Edwin H., Austin, Tex. Fiber and process of extracting the same. 2,237,295; Apr. 8.

Akron Standard Mold Company, The. (See Daub, Frank L., assignor.)

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric power system. 2,237,384; Apr. 8.

Allegheny Ludlum Steel Corporation. (See Webber, Owen T., assignor.)

Allen, Earl M., Swissvale, and H. A. Thompson, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,237,804; Apr. 8.

Allen, Earl M., Swissvale, and H. S. Young, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,237,805; Apr. 8.

Allgemeine Elektricitats-Gesellschaft. (See Heimann, Walter, assignor.)

Allis-Chalmers Manufacturing Company. (See Cost, W. A., and McDonough, assignors.)

Allison, Leslie R. (See Nicholson, F. H., and Allison.)

Allmanna Svenska Elektriska Aktiebolaget. (See Lamm, Uno, assignor.)

Almström, John A., and F. Ekstrand, Sodertalje, Sweden. Preheater for vaporizer in oil burners. 2,237,285; Apr. 8.

Aln Cin, Inc. (See Beck, E. W., and Walker, assignors.)

Altstadt, Benjamin, New York, N. Y. Toothbrush. 2,237,694; Apr. 8.

Alvord, Charles C., assignor to Norton Company, Worcester, Mass. Grinding wheel spindle reciprocating apparatus. 2,237,467; Apr. 8.

American Broach & Machine Co. (See Lapointe, Francis J., assignor.)

American Chain & Cable Company. (See Benoit, Lester W., assignor.)

American Coach & Body Company. (See Troche, Herman J., assignor.)

American Cyanamid Company. (See Clark, Cyril B., assignor.)

American Cyanamid Company. (See Hill, William H., assignor.)

American Cyanamid Company. (See Jayne, David W., Jr.)

American Cyanamid Company. (See Pineo, Orrin W., assignor.)

American Flange & Manufacturing Co. (See Sample, Fleck W., assignor.)

American Forging & Socket Company. (See Rhodes, Albert J., assignor.)

American Machine & Foundry Company. (See Brown, Frederick R., assignor.)

American Machine & Foundry Company. (See Shackleton, Jack, assignor.)

American Radiator & Standard Sanitary Corporation. (See Boyd, Robert C., assignor.)

American Rolling Mill Company, The. (See Sendzimir, Tadeusz, assignor.)

American Steel Foundries. (See Tack, Carl E., assignor.)

American Telephone and Telegraph Company. (See Britt, Horace J., assignor.)

American Telephone and Telegraph Company. (See Channell, James W., assignor.)

American Telephone and Telegraph Company. (See Landenberger, C. F., and Talley, assignors.)

American Telephone and Telegraph Company. (See Nelswinter, James T., assignor.)

American Viscose Corporation. (See Long, Frederick F., assignor.)

Alquist, Francis N., Midland, Mich., and C. O. Guss, Wolford, N. Dak., assignors to The Dow Chemical Company, Midland, Mich. Preparation of styrene oxide and derivatives thereof. 2,237,284; Apr. 8.

Ames Baldwin Wyoming Co. (See Wharton, George C., assignor.)

Anderson, James G., Wauchula, Fla. Waiting station. 2,237,385; Apr. 8.

Anderson, Ralph L., assignor to Deere & Company, Moline, Ill. Harvester platform. 2,237,517; Apr. 8.

Anderson, Ralph V., et al. (See Adams, H. A., and Files, assignors.)

Apex Electrical Manufacturing Company, The. (See Wied, Julius F., assignor.)

Arnitt, William S., Hanover, Pa. Ribbon reel pack. 2,237,920; Apr. 8.

Arnt, Herald P., Sr., Litchfield, Mich., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,237,955; Apr. 8.

Armour and Company. (See Fischer, Norman C., assignor.)

Armour and Company. (See Ralston, A. W., Vander Wal, and Bauer, assignors.)

Arras, George, Chicago, Ill. Electric fixture. 2,237,956; Apr. 8.

Asbury, Charles T., Elkins Park, Pa. Disintegrator. 2,237,401; Apr. 8.

Asprer, Frank, Oakland, Calif. Sinker. 2,237,540; Apr. 8.

Assmann, Carl. (See Casper, Rudolf A., assignor.)

Atlas Bolt & Screw Company, The. (See Schellentrager, Eugene W., assignor.)

Attridge, Oliver H., Tulsa, Okla., assignor to Lucey Export Corporation, New York, N. Y. Reversing mechanism. 2,238,008; Apr. 8.

Atwood Machine Company, The. (See McKinney, William J., assignor.)

Automatic Canteen Company of America. (See Carlson, John W., assignor.)

Automatic Control Corporation. (See Persons, Lawrence M., assignor.)

Backes, Edward W., Evanston, Ill., assignor to Poor & Company, New York, N. Y. Producing splice bars. 2,237,286; Apr. 8.

Badenhausen, John P., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa. Chemical recovery furnace and method of chemical recovery. 2,238,007; Apr. 8.

Badger, Frank S., Jr., Kokomo, Ind., assignor to Haynes Stellite Company. Heat treatment. 2,237,872; Apr. 8.

Bailey, James R., and R. Mahan, Austin, Tex., assignors to Union Oil Company of California, Los Angeles, Calif. Pyrolysis of nitrogen bases. 2,237,541; Apr. 8.

Bailey, James R., and C. L. Key, Austin, Tex., assignors to Union Oil Company of California, Los Angeles, Calif. Quinoline compounds. 2,237,542; Apr. 8.

Baker, Albert L., Summit, assignor to Gasoline Products Company, Inc., Jersey City, N. J. Treatment of hydrocarbons and apparatus therefor. 2,237,468; Apr. 8.

Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Roller wheel. 2,237,921; Apr. 8.

Baker, Russell D. (See King, P. R., and Baker.)

Baldwin, Alfred W., H. A. Piggott, and F. S. Statham, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of substituted amides. 2,237,296; Apr. 8.

Baldwin Rubber Company. (See Kurzweil, Chris, assignor.)

Balz, Emil H., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Acetone-formaldehyde resins. 2,237,325; Apr. 8.

Bancroft, Frank E., Sale, and C. W. Miller, Roundhay, Leeds, England, assignors, by mesne assignments, to General Electric Company. Condensation vacuum pump. 2,237,806; Apr. 8.

Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Automatic transmission. 2,237,297; Apr. 8.

Barber Colman Company. (See Greenlee, Theodore K., assignor.)

Barker, Merrill G., Los Angeles, Calif. Sheet clamp. 2,237,807; Apr. 8.

Barok, Frank J., New York, N. Y. Calculating device. 2,237,873; Apr. 8.

Barry, Joseph F., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for measuring acceleration. 2,237,326; Apr. 8.

Barske, Ulrich, Kassel-Harleshausen, assignor to Henschel & Sohn, Gesellschaft mit beschrankter Haftung, Kassel, Germany. Individual axle drive for rail vehicles. 2,237,728; Apr. 8.

Baskerville, Ralph J., Yeadon, and B. E. Spiro, Philadelphia, Pa., assignors to General Electric Company. Electric circuit breaker. 2,237,283; Apr. 8.

Bates, Sidney E. (See Overmier, E., Rodman, and Bates.)

Battelle Memorial Institute. (See Russell, Howard W., assignor.)

Bauer, Stewart T. (See Ralston, A. W., Vander Wal, and Bauer.)

Baumzweiger, Benjamin, now by change of name Benjamin B. Bauer, Chicago, Ill., assignor to S. N. and F. Shure, trustees, doing business as Shure Brothers. Conversion of wave motion into electrical energy. 2,237,298; Apr. 8.

Beaver, Charles J., Bowdon, and E. L. Davey, Timperley, assignors to W. T. Glover & Company, Limited, Manchester, England. Electric cable and joint therefor. 2,237,402; Apr. 9.

Bechman, William O. (See Baker, D. B., Rogers, and Bechman.)

Beck, Earl W., Eggertsville, N. Y., and V. Walker, Fort Erie, Ontario, Canada, assignors, by mesne assignments, to Aln Cin, Inc. Light conditioning device and manufacturing same. 2,238,008; Apr. 8.

Beck, Ludwig, Berlin, assignor of one-third to L. Bertele, Berlin-Steglitz, and one-third to A. Dusterloh, Sprockhovel, Germany. Carburetor. 2,237,922; Apr. 8.

Bedford, Alda V., Collingswood, and K. J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America. Television camera dolly. 2,237,403; Apr. 8.

Bell and Gossett Company. (See Hoeft, Adolph R., assignor.)

Bell, Homer W., Lovelock, Nev. Sounding board for pianos. 2,237,695; Apr. 8.

Bell, Raymond M., Wayne, assignor to Benjamin C. Betner Company, Devon, Pa. Method of and apparatus for making bags. 2,237,327; Apr. 8.

Bell Telephone Laboratories. (See Barry, Joseph F., assignor.)

Bell Telephone Laboratories. (See Bjornson, Bjorn G., assignor.)

Bell Telephone Laboratories. (See Clark, John W., assignor.)

Bell Telephone Laboratories. (See Clarke, Harry R., assignor.)

Bell Telephone Laboratories. (See Cummings, George C., assignor.)

Bell Telephone Laboratories. (See Ferrell, Enoch B., assignor.)

Bell Telephone Laboratories. (See King, Gerald V., assignor.)

Bell Telephone Laboratories. (See Lundstrom, Alexis A., assignor.)

Bell Telephone Laboratories. (See Schott, Lionel, assignor.)

Bell Telephone Laboratories. (See West, John W., assignor.)

Benbow, James D., and G. W. Sines, assignors to Western-Austin Company, Aurora, Ill. Hopper bottom car. 2,237,209; Apr. 8.

Bender, Jacob A., assignor of one-half to O. Bender, North Bergen, N. J. Valve device. 2,237,469; Apr. 8.

Bender, Oscar. (See Bender, Jacob A., assignor.)

Bendix Aviation Corporation. (See Nowosielski, Edward B., assignor.)

Bennett, Robert N. (See Van Voorhis, W. G., Bennett, and George.)

Benoit, Lester W., Shillington, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y. Gate valve. 2,237,776; Apr. 8.

Benrus Watch Company. (See Lazrus, Benjamin, assignor.)

Berchem, Hubert C., and J. P. Schneider, St. Paul, Minn. Adjustable extension scaffold trestle with guard rail. 2,237,543; Apr. 8.

Berg, Leo F., Oak Park, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Water heater and control therefor. 2,237,808; Apr. 8.

Bergen Plastics, Inc. (See Thompson, H. C., and De Stefano, assignors.)

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,237,470; Apr. 8.

Bertele, Ludwig, et al. (See Beck, Ludwig, assignor.)

Betner, Benjamin C., Company. (See Bell, Raymond M., assignor.)

Biederman, Charles H., Cincinnati, Ohio. Circular window structure. 2,237,696; Apr. 8.

Bigelow, Jonas D., Yonkers, N. Y. Dust guard casing closure. 2,237,287; Apr. 8.

Bilde, Tord E. D., Ulvsunda, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden. Spraying device for dishwashing machines. 2,237,979; Apr. 8.

Bille, Henrich, Saetre i Hurum, assignor to Norsk Spraengstofindustrie A/S., Oslo, Norway. Mixing and kneading machine, particularly to plastic explosives or the like. 2,237,859; Apr. 8.

Billings, Percy G., Bangor, Maine. Landing ski for airplanes. 2,237,471; Apr. 8.

Birdseye, Clarence, and P. Deren, assignors, by mesne assignments, to Birdseye Electric Corporation, Gloucester, Mass. Metal-coating bulbs or the like. 2,237,328; Apr. 8.

Birdseye Electric Corporation. (See Birdseye, C., and Deren.)

Birkigt, Marc, Versoix, near Geneva, Switzerland. Machine tool. 2,237,583; Apr. 8.

Bischof, Frank, assignor to Dowst Manufacturing Company, Chicago, Ill. Toy assembly. 2,237,329; Apr. 8.

Bischoff, Louis, assignor to Oneida Paper Products, Inc., New York, N. Y. Shirt wrapper. 2,237,330; Apr. 8.

Bitner, Ralph E., New York, assignor to Remington Rand Inc., Buffalo, N. Y. Punch. 2,237,898; Apr. 8.

Bjornson, Bjorn G., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated. Speech wave detecting circuit. 2,237,899; Apr. 8.

Black & Decker Manufacturing Company, The. (See Wilhide, Glenn C., assignor.)

Blagden, John W., and W. E. Huggett, Ilford, England. Manufacture of optically active menthones and menthols. 2,237,980; Apr. 8.

Blaw-Knox Company. (See Croft, George M., assignor.)

Blaw-Knox Company. (See Jackson, Alexander H., assignor.)

Block, Harold C., assignor to L. A. Layne, Houston, Tex. Collapsing tool seal. 2,237,544; Apr. 8.

Bloore, Ernest J. (See Copeland, R. J., and Bloore.)

Blount, Harry, Baltimore, and K. C. Edwards, Chase, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for heat treating articles. 2,237,648; Apr. 8.

Blum, Hosmer L., Fort Wayne, Ind. Fluid meter. 2,237,518; Apr. 8.

Blumlein, Alan D., and R. E. Spencer, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Power supply circuit. 2,237,649; Apr. 8.

Bode, Hans, Moers, Niederrhein, Germany. Spattling and spraying process. 2,237,288; Apr. 8.

Bodkin, Irving S., and L. J. Bouchard, New York, assignors to Conrad Razor Blade Co., Inc., Long Island City, N. Y. Cutting device. 2,237,331; Apr. 8.

Bolinder's Fabriks Aktiebolag. (See Bilde, Torik E. D., assignor.)

Bolle, Léon, Geneva, Switzerland. Fluidtight closure for watchcases. 2,237,860; Apr. 8.

Bolling, Robert P., Detroit, Mich. Bake oven. 2,237,519; Apr. 8.

Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Top bunker refrigerator car. 2,237,405; Apr. 8.

Boosey, Edward W. N., Detroit, Mich. Floor drain. 2,237,545; Apr. 8.

Borg-Warner Corporation. (See Grannan, W. D., and Kelly, assignors.)

Borg-Warner Corporation. (See Hubacker, Earl F., assignor.)

Borg-Warner Corporation. (See Steuer, Harry M., assignor.)

Boston Woven Hose & Rubber Company. (See Knowland, Thomas M., assignor.)

Bouchard, Leo J. (See Bodkin, I. S., and Bouchard.)

Bower, George D., Columbia Heights, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,237,300; Apr. 8.

Bowers, Frederick M. (See Maillart, Edmond B., assignor.)

Bowser, S. F., & Company. (See Brubaker, W. S., and Saarinen, assignors.)

Boyd, Robert C., Louisville, Ky., assignor to American Radiator & Standard Sanitary Corporation. Silencing stop. 2,237,404; Apr. 8.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain rod. 2,237,406; Apr. 8.

Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)

Bradford, William. (See Taylor, Edward C., assignor.)

Brainard, Roscoe W., Cleveland, Ohio. Paintbrush guide and guard device. 2,237,923; Apr. 8.

Braun, Karl J., North Merrick, Long Island, assignor to Remington Rand Inc., Buffalo, N. Y. Paper feeding device. 2,237,874; Apr. 8.

Brehmer, Gebruder. (See Kleinschmidt, O., and Geissler, assignors.)

Breman, Frank J., Oak Park, and N. Trydal, Chicago, Ill., assignors to Davidson Manufacturing Company. Folding machine. 2,238,009; Apr. 8.

Breman, Frank J., Oak Park, Ill., assignor to Davidson Manufacturing Company. Stacker. 2,238,010; Apr. 8.

Bretzlaff, Walter H., Detroit, Mich., and C. P. Grimes, Syracuse, N. Y. Air conditioning method and means. 2,237,332; Apr. 8.

Bretzlaff, Walter H., Detroit, Mich., and C. P. Grimes, Syracuse, N. Y. Segregated pressure air impelling apparatus. 2,237,333; Apr. 8.

Briggs, Edward, Norwich, Conn. Plant lifter. 2,237,861; Apr. 8.

Briggs Manufacturing Company. (See Platz, Henry T., assignor.)

Brillas, Fredrick, New York, N. Y. Paper folding machine. 2,237,472; Apr. 8.

Brisson, Louis, Paris, France. Brake. 2,237,650; Apr. 8.

Britt, Horace J., Upper Darby, Pa., assignor to American Telephone and Telegraph Company. Teletypewriter switching system. 2,237,473; Apr. 8.

Brolly, Archibald H., Palo Alto, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Generating a pulse in a cathode ray tube. 2,237,334; Apr. 8.

Bronson, Fred L., New York, N. Y., assignor to The Fibre Can and Machinery Company, New Haven, Conn. Container. 2,237,809; Apr. 8.

Brouwer, George, Muskegon, assignor to National Piston Ring Company, Fruitport, Mich. Device for milling gaps in piston rings. 2,238,011; Apr. 8.

Brown & Bigelow. (See Trollen, Martin E., assignor.)

Brown, Frederick R., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Chuck jaw. 2,237,875; Apr. 8.

Brown, George H., Highland Park, Ill. Pie plate or the like. 2,237,697; Apr. 8.

Brubaker, Walter S., Oakland, and A. J. Saarinen, San Francisco, Calif., assignors, by mesne assignments, to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Liquid flow-throttling and air-eliminating means. 2,237,520; Apr. 8.

Bruche, Ernst, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Electronic device. 2,237,651; Apr. 8.

Brück, Lothar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Audio feedback circuit. 2,237,407; Apr. 8.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Hydroxyallphatic thioammeline ethers. 2,237,584; Apr. 8.

Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Multiplying machine. 2,237,335; Apr. 8.

Buck, Edward L., and F. W. Sherwood, Howland, Maine. Knob. 2,237,289; Apr. 8.

Buckeye Traction Ditcher Company, The. (See Van Voorhis, W. G., Bennett, and George, assignors.)

Budd, Edward G. Manufacturing Company. (See Eksergian, R., Horton, Harwick, and Skivesen, assignors.)

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Bull, Harry W. (See Collings, W. R., and Bull.)

Bundy, James A., and H. L. Elfner, Fort Wayne, Ind., assignors to International Harvester Company. Lubricating means for driving mechanisms. 2,237,900; Apr. 8.

Bunin, Louis, New York, N. Y. Image for making animated moving pictures. 2,237,751; Apr. 8.

Burd Piston Ring Company. (See Colvin, Robert H., assignor.)

Burgher, Everett K., Manhattan Beach, Calif. Well pumping apparatus. 2,237,408; Apr. 8.

Burhans, Paul B., Fort Myers, Fla. Sanitary suction eyecup. 2,237,802; Apr. 8.

Burk, Robert E., and E. C. Hughes, assignors to The Standard Oil Company, Cleveland, Ohio. Manufacture of oxidized petroleum acid compounds. 2,237,801; Apr. 8.

Burlington Steel Company. (See Stambaugh, Harry J., Jr., assignor.)

Burnside, Don G., East Orange, N. J., assignor to Radio Corporation of America. Automatic volume control circuit. 2,237,409; Apr. 8.

Burson, Harry H., assignor to N. C. Spong, Chicago, Ill. Wall construction. 2,237,777; Apr. 8.

Butenandt, Adolf, Berlin-Dahlem, Germany, assignor, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Pregnanolones and producing the same from pregnandiones. 2,237,410; Apr. 8.

Butt, Edward, Brooklyn, N. Y. Interlocking sink stopper. 2,237,546; Apr. 8.

Caldwell, Frank W., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller for aircraft. 2,237,924; Apr. 8.

Calhoun, Ingram K., Oklahoma City, Okla. Pumping mechanism for oil wells. 2,237,303; Apr. 8.

Cambridge Instrument Company. (See Hutton, Ulric O., assignor.)

Capezio, Salvatore, East Paterson, N. J. Sandal for modern dancing. 2,237,652; Apr. 8.

Caprio, Amerigo F., Newark, N. J., assignor to Celluloid Corporation. Pumping or compressing of gases. 2,237,336; Apr. 8.

Carlson, Ellsworth E., Saratoga Springs, assignor to Van Raalte Company, New York, N. Y. Mechanism and method for knitting nonrun or run-resistant hosiery. 2,237,290; Apr. 8.

Carlson, John W., assignor to Automatic Canteen Company of America, Chicago, Ill. Cup dispenser. 2,237,411; Apr. 8.

Carlson, Noble G., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail bond. 2,237,698; Apr. 8.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovering hydrocarbons. 2,237,388; Apr. 8.

Carothers, Wallace H., deceased, by Wilmington Trust Company, executor, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fishing tackle. 2,237,412; Apr. 8.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Short wave antenna. 2,237,778; Apr. 8.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wide band antenna array. 2,237,779; Apr. 8.

Carter, William E., Wilcox, Ariz. Magazine rifle. 2,237,291; Apr. 8.

Carter's Ink Company, The. (See Pastor, Santos, assignor.)

Casper, Rudolf A., assignor of one-half to C. Assmann, San Francisco, Calif. Pouring spout and container opener. 2,237,810; Apr. 8.

Castellano, Joseph P., Brooklyn, assignor to Differential Wheel Corporation, New York, N. Y. Dual wheel vehicle. 2,237,547; Apr. 8.

Castor, Barney. (See Christensen, A. C., and Castor.)

Celanese Corporation of America. (See Schlessler, Fred J., assignor.)

Celluloid Corporation. (See Caprio, Amerigo F., assignor.)

Československá, Zbrojovka a. s., Brno. (See Holek, František, assignor.)

Chaikin, Isidore A., Lawrence, N. Y. Garment bottom trimmer. 2,237,925; Apr. 8.

Channell, James W., South Gate, Calif., assignor to American Telephone and Telegraph Company. Device for repairing cable terminal binding posts. 2,237,474; Apr. 8.

Chase Brass & Copper Co. (See Wood, Maurice L., assignor.)

Chatillon, George E., assignor to John Chatillon & Sons, New York, N. Y. Scale. 2,237,653; Apr. 8.

Chatillon, John & Sons. (See Chatillon, George E., assignor.)

Chemical, B. B., Co. (See Harrington, Valentine F., assignor.)

Chicago Bridge & Iron Company. (See Larson, Donald E., assignor.)

Christensen, Alfred C., and B. Castor, assignors to H. S. Simpson, Chicago, Ill. Agitator muller. 2,237,957; Apr. 8.

Chun, William A., Houston, Tex. Drill. 2,237,901; Apr. 8.

Church, Franklin O., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Seat cushion. 2,237,475; Apr. 8.

Clark, Gilbert R., Brooklyn, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,237,522; Apr. 8.

Clark, Cyril B., Scarsdale, assignor to American Cyanamid Company, New York, N. Y. Contact sulphuric acid process. 2,238,012; Apr. 8.

Clark, John W., Urbana, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,237,413; Apr. 8.

Clarke, Harry R., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Headset. 2,237,732; Apr. 8.

Clayton Mark & Company. (See Mark, Harry R., assignor.)

Cline, Earl E., assignor to Mueller Co., Decatur, Ill. Apparatus for fluid control. 2,237,476; Apr. 8.

Cockrell, W. D., Schenectady, N. Y., assignor to General Electric Company. Strip width indicating device. 2,237,811; Apr. 8.

Cohn, Samuel, and J. G. Walter, assignors to Samcoe Holding Corporation, New York, N. Y. Fabric winding apparatus. 2,237,654; Apr. 8.

Cole, Harriet E. (See Henderson, Douglas S., assignor.)

Collier, Simon, Plainfield, N. J., F. T. Randolph, and W. G. Collins, Waukegan, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Method of making fibrous product. 2,237,337; Apr. 8.

Collings, William R., and H. W. Bull, assignors to The Dow Chemical Company, Midland, Mich. Coating process. 2,238,013; Apr. 8.

Collins, William G. (See Collier, S., Randolph, and Collins.)

Colvin, Robert H., assignor to Burd Piston Ring Company, Rockford, Ill. Heating and ventilating apparatus. 2,237,477; Apr. 8.

Compton, Robin D., Westport, Conn., assignor to Radio Corporation of America. Television system. 2,237,655; Apr. 8.

Compton, W. H., Shear Company, The. (See Dalley, Charles J., assignor.)

Condon, Robert S. (See Hatch, A. G., and Condon.)

Conrad Razor Blade Co. (See Bodkin, I. S., and Bouchard, assignors.)

Continental Can Company. (See Dukehart, Morton M., Jr., assignor.)

Continental Can Company. (See Jones, Charles L., assignor.)

Continental Gin Company. (See Morgan, George C., assignor.)

Cooley, John M., East Palestine, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa. Color control of ceramic products. 2,237,478; Apr. 8.

Cooley, Ralph C., Houston, Tex. Dental pattern. 2,237,926; Apr. 8.

Copeland, Robert J., Toronto, Ontario, and E. J. Bloore, Brampton, Ontario, Canada; said Bloore assignor to said Copeland. Duplicating machine. 2,237,548; Apr. 8.

Corry Jamestown Manufacturing Corporation. (See Nelson, M., and Dunlap, assignors.)

Coss, William A., Indianapolis, and E. R. McDonough, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Road machine. 2,237,586; Apr. 8.

Covell, Sheldon M., New York, N. Y. Camera. 2,237,656; Apr. 8.

Coventry Gauge & Tool Company Limited. (See Wainwright, John E., assignor.)

Conveyor Company, The. (See Saxe, Walter E., assignor.)

Cox, Ross L., Kingsville, Tex. Antiskid attachment for shoes. 2,237,549; Apr. 8.

Crane Company of Minnesota. (See Morgan, John H., assignor.)

Cranmer, George H., Philadelphia, Pa., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,237,724; Apr. 8.

Cranmer, George H., Philadelphia, Pa., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,237,725; Apr. 8.

Cranmer, George H., Philadelphia, Pa., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,237,726; Apr. 8.

Creek, Ernest J., assignor to Indiana Fibre Products Company, Marion, Ind. Reinforced heavy duty fiber box. 2,237,927; Apr. 8.

Cressy, Charles O., East Providence, R. I. Remote indicating system. 2,237,928; Apr. 8.

Crites, Wilbur J., Bartlesville, Okla., and P. C. Murphy, Houston, Tex., assignors to Phillips Petroleum Company. Drilling barge. 2,237,387; Apr. 8.

Croft, George M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Removing deposits from filters. 2,237,417; Apr. 8.

Crosby Naval Stores, Incorporated. (See Price, R. E., and Knapp, assignors.)

Crosley Corporation. (See Hobing, Julius J., assignor.)

Crouse-Hinds Company. (See Knox, Charles Jr., assignor.)

Crouse-Hinds Company. (See Olley, Raymond H., assignor.)

Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic balancing system. 2,237,929; Apr. 8.

Daimler-Benzaktiengesellschaft. (See Nallinger, Fritz, assignor.)

Daimler-Benz Aktiengesellschaft. (See Nallinger, Fritz, assignor.)

Dale, Colin B., Oak Park, assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Container closure. 2,237,479; Apr. 8.

Dale, Hubert S., Middle River, assignor to The Glenn L. Martin Company, Baltimore, Md. Rivet. 2,237,338; Apr. 8.

Dalley, Charles J., Maplewood, assignor to The W. H. Compton Shear Company, Newark, N. J. Shears and the like. 2,238,014; Apr. 1.

Damon, Phillip E., Ames, Iowa. Wick fusee. 2,237,523; Apr. 8.

Dangelmajer, Charles, Dover, N. J., and E. S. Peieris, assignors to Resistoflex Corporation, New York, N. Y. Cork composition. 2,237,753; Apr. 8.

Darner, Frederic M., Shaker Heights, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Inside flash cutter. 2,237,550; Apr. 8.

Darner, Frederic M., Shaker Heights, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Welding machine. 2,237,551; Apr. 8.

Darsey, Lowndes A., assignor of one-half to G. T. Whitehouse, Sebring, Fla. Brake releasing mechanism. 2,237,587; Apr. 8.

Daub, Frank L., assignor to The Akron Standard Mold Company, Akron, Ohio. Venting sand molds and molds produced thereby. 2,237,876; Apr. 8.

Davey, Edward L. (See Beaver, C. J., and Davey.)

Davidson Manufacturing Company. (See Breman, Frank J., assignor.)

Davidson Manufacturing Company. (See Breman, F. J., and Trydal, assignors.)

Davies, Leonard J., Rugby, England, assignor to General Electric Company. Electric lamp. 2,237,754; Apr. 8.

Day, Roland B., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cooking hydrocarbon oils. 2,237,414; Apr. 8.

Day and Zimmermann, Incorporated. (See Badenhausen, John P., assignor.)

Deanesly, Richard M., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Process for producing olefin dimers. 2,237,292; Apr. 8.

De Barbieri, George T., North Adams, Mass. Line connector. 2,237,588; Apr. 8.

De Blieux, Earl V., Pittsfield, Mass., assignor to General Electric Company. Portable unit substation. 2,237,812; Apr. 8.

Deere & Company. (See Anderson, Ralph L., assignor.)

De Florez, Luis, Pomfret, Conn. Apparatus for cracking hydrocarbons. 2,237,339; Apr. 8.

De Fries, Walter, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Spring cushion. 2,237,585; Apr. 8.

De Horvath, Zoltan, Western Springs, and W. B. Paris, Argo, Ill., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Manufacture of zinc sulphide pigment. 2,237,755; Apr. 8.

Delachaux, Clarence L., Paris, France. Trolley system. 2,237,590; Apr. 8.

Delaware Engineering Corporation. (See Moore, William E., assignor.)

Delman Inc. (See Sabo, Louis, assignor.)

Delta Manufacturing Company, The. (See Tautz, Herbert E., assignor.)

Deren, Pincus. (See Birdseye, C., and Deren.)

De Stefano, Angelo. (See Thompson, H. C., and De Stefano.)

Dewandre, Servo-Frein, Société Anonyme. (See Dewandre, Albert, assignor.)

Dewandre, Albert, Brussels, assignor to Servo-Frein Dewandre, Société Anonyme, Liege, Belgium. Gun support. 2,237,930; Apr. 8.

Dietz, Ernst. (See Thierfelder, H., and Dietz.)

Differential Wheel Corporation. (See Castellano, Joseph P., assignor.)

Dimmick, Glenn L., Haddonfield, N. J., assignor to Radio Corporation of America. Sound recording. 2,237,902; Apr. 8.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 2,237,657; Apr. 8.

Dole, Paul D., assignor of one-half to Edward H. Kruse, Fort Wayne, Ind. Magazine for surgical ligatures. 2,237,589; Apr. 8.

Donaldson, Ambrose H. (See Ellis, C. J., and Donaldson.)

Donaldson, John C., Longview, Tex. Combined gulde and scraper. 2,237,863; Apr. 8.

Doll, Henri G., Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Resistance thermometer and manufacturing the same. 2,238,015; Apr. 8.

Dorr Company, The. (See Linch, Harry A., assignor.)

Dostal, John R., assignor to Sturdy-Bilt Equipment Corporation, Milwaukee, Wis. Bottle washer carrier. 2,237,756; Apr. 8.

Doughty, Cecil L., W. A., and L. W., Norfolk, Va. Lifting mechanism. 2,237,620; Apr. 8.

Doughty, Lonnie W. (See Doughty, Cecil L., W. A., and L. W.)

Doughty, William A. (See Doughty, Cecil L., W. A., and L. W.)

Dow Chemical Company, The. (See Alquist, F. N., and Guss, assignors.)

Dow Chemical Company, The. (See Collings, W. R., and Bull, assignors.)

Dow Chemical Company, The. (See Hanson, A. W., and Goggin, assignors.)

Dow Chemical Company, The. (See Prutton, Carl F., assignor.)

Dow Chemical Company, The. (See Reilly, John H., assignor.)

Dow, Orville E., and N. E. Lindenblad, Port Jefferson, N. Y., assignors to Radio Corporation of America. Ultra high frequency transmitter. 2,237,415; Apr. 8.

Downey, Bernard M., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Purification of ketones. 2,238,016; Apr. 8.

Downs, Arthur R., Brighton, assignor to The Garrard Engineering and Manufacturing Company Limited, Swindon, Wiltshire, England. Automatic record changing mechanism for phonographs and the like. 2,237,340; Apr. 8.

Dowst Manufacturing Company. (See Bischof, Frank, assignor.)

Drake, Robert W., Tulsa, Okla. Open type condenser. 2,237,903; Apr. 8.

Dran, John J. (See Wells, George I., Jr., assignor.)

Dukehart, Morton M., Jr., New Rochelle, assignor to Continental Can Company, Inc., New York, N. Y. Container assembly. 2,237,293; Apr. 8.

Dumarest, Michael, Isleta, N. Mex. Rotary engine. 2,237,591; Apr. 8.

Dumur, Frank. (See Lihotzky, Erwin, assignor.)

Dunbeck, Norman J., Elfort, Ohio, assignor, by mesne assignments, to Peerpatco Incorporated. Foundry composition and method. 2,237,592; Apr. 8.

Dunbeck, Norman J., Elfort, Ohio, assignor to Peerpatco, Incorporated. Foundry composition and method. 2,237,593; Apr. 8.

Duncan, James K., assignor to United States Gypsum Company, Chicago, Ill. Method and apparatus for manufacturing wallboard. 2,238,017; Apr. 8.

Dungler, Julien, Thann, France. Circuit controller for tentering machines. 2,237,341; Apr. 8.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,237,813; Apr. 8.

Dunlap, William A. (See Nelson, M., and Dunlap.)

Dunlap, Frank L., Canal Winchester, Ohio. Foldable windshield for motorcycles. 2,237,594; Apr. 8.

Dunlop Tire and Rubber Corporation. (See Church, Franklin O., assignor.)

Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Handworth, S. L., and Johnson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Heckert, Winfield W., assignor.)

Du Pont, E. I., de Nemours & Company. (See McKinney, Robert M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Ridgway, Frank B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Scudi, John V., assignor.)

Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Dusterloh, Alwin, et al. (See Beck, Ludwig, assignor.)
Dyer, Jack V., Crewkerne, assignor to Simmonds Development Corporation, Limited, London, England. Fastening strip containing nuts. 2,237,595; Apr. 8.
Dyke, Herbert H., Larchmont, N. Y. Automobile door lock release. 2,237,658; Apr. 8.
Earhart, William H., Columbus, assignor to The Harshaw Chemical Company, Elyria, Ohio. Ornamentation of ceramic ware. 2,238,018; Apr. 8.
Eagle-Picher Lead Company, The. (See de Horvath, Z., and Paris, assignors.)
Eagle-Picher Lead Company, The. (See Musgrave, John R., assignor.)
Easley, Carl A., Fort Scott, Kans. Flush tank. 2,237,294; Apr. 8.
Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)
Ebert, Joseph, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa. Camphorylidene sulphanilamides and making them. 2,237,342; Apr. 8.
Edgar, David, Lynn, assignor to The Tanning Process Company, Boston, Mass. Cutting machine. 2,237,416; Apr. 8.
Edison General Electric Appliance Company. (See Berg, Leo F., assignor.)
Edison General Electric Appliance Company. (See Shroyer, Jacob L., assignor.)
Edwards, Karl C., Chase, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for heat treating articles. 2,237,659; Apr. 8.
Edwards, Karl C. (See Blount, H., and Edwards.)
Elebel, Lawrence E., et al. (See Phillips, Jacob H., assignor.)
Ellers, Charles A., Montague, Mich. Ladder support. 2,237,596; Apr. 8.
Eksergian, Rupen, Media, R. H. Horton, Philadelphia, H. K. Harwick, Darby, and N. K. Skivesen, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Stainless steel truck. 2,237,757; Apr. 8.
Ekstrand, Frithiof. (See Almström, J. A., and Ekstrand.)
Electric & Musical Industries Limited. (See Blumlein, A. D., and Spencer, assignors.)
Electric & Musical Industries Limited. (See Kallmann, Heinz E., assignors.)
Electric & Musical Industries Limited. (See Lubszynski, H. G., and McGee, assignors.)
Electric & Musical Industries Limited. (See McGee, James D., assignor.)
Electric & Musical Industries Limited. (See McGee, J. D., and Lubszynski, assignors.)
Electric Railway Improvement Company, The. (See Carlson, Noble G., assignor.)
Electrolux Corporation. (See Cranmer, George H., assignor.)
Electrolux Corporation. (See Ross, Adrian E., assignor.)
Elfner, Henry L. (See Bundy, J. A., and Elfner.)
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Polyfurcous fuel. 2,237,660; Apr. 8.
Ellis, Clayton J., Middlebury, and A. H. Donaldson, Burlington, Vt.; said Ellis assignor to said Donaldson. Producing maple flavoring extract. 2,237,981; Apr. 8.
Ellis, Francis C., Chicago, Ill. Galvanometer. 2,237,552; Apr. 8.
Engels, Bernhard, Waldenburg-Altwasser, Silesia, Germany. Tempering glass plates and sheets. 2,237,343; Apr. 8.
Ernst, Gert, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Keying device for ultra-short-wave transmitters. 2,237,661; Apr. 8.
Evans, Gordon M. (See Wahl, Frederick G., assignor.)
Evans, John G., Blackley, Manchester, and A. Renfrew, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Semistiff collar. 2,237,344; Apr. 8.
Evans, Theodore W., and J. R. Scheibli, Oakland, assignors to Shell Development Company, San Francisco, Calif. Cyclopentyl esters of polycarboxylic acids. 2,237,729; Apr. 8.
Everett, Samuel J., Thornton Heath, assignor to F. N. F. Limited, Gloucester, England. Knitting machine needle. 2,237,480; Apr. 8.
Ex-Cell-O Corporation. (See Stewart, Gilbert D., assignor.)
F. N. F. Limited. (See Everett, Samuel J., assignor.)
Faber, Herbert A., Cincinnati, Ohio. Gas washer. 2,237,482; Apr. 8.
Fabian, Carl E. (See Treptow, G. R., and Fabian.)
Fafnir Bearing Company, The. (See Smith, John W., assignor.)
Farastan Company, The. (See Ebert, Joseph, assignor.)
Farnsworth Television & Radio Corporation. (See Brolly, Archibald H., assignor.)
Fassin, Gustave, Irondequoit, N. Y., assignor to International Industries, Inc., Ann Arbor, Mich. Photographic printing easel. 2,237,730; Apr. 8.
Fawick, Thomas L., Akron, Ohio. Clutch or the like. 2,237,864; Apr. 8.
Fechheimer, Paul R., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Bottle filling and cleaning device. 2,237,699; Apr. 8.
Federal Cartridge Corporation, The. (See Johnson, M., and Smith, assignors.)
Fender, Ferdinand E., Evanston, and C. I. Wille, assignors to Vaughan Novelty Mfg. Co., Inc., Chicago, Ill. Can opener. 2,237,418; Apr. 8.
Ferilto, Edoardo, Milan, Italy. Tempering glass. 2,237,982; Apr. 8.
Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,237,419; Apr. 8.
Ferri, Henry J., Port Richmond, Staten Island, assignor to The Lionel Corporation, New York, N. Y. Toy railroad. 2,237,662; Apr. 8.
Ferris, Warren R., East Orange, N. J., assignor to Radio Corporation of America. Amplifier gain control circuit. 2,237,420; Apr. 8.
Ferro, Casimiro, West Brighton, Staten Island, N. Y. Vehicle wheel. 2,237,481; Apr. 8.
Fibre Can Development Corporation. (See Hatch, A. G., and Condon, assignors.)
Fibre Can and Machinery Company, The. (See Bronson, Fred L., assignor.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung. (See Hölzler, Erwin, assignor.)
Files, Willard R. (See Adams, H. A., and Files.)
Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Pipe or tube rolling. 2,237,983; Apr. 8.
Fischer, Heinrich. (See Ritzerfeld, W., and Fischer.)
Fischer, Norman C., Springfield, Mo., assignor to Armour and Company, Chicago, Ill. Treatment of egg whites. 2,237,827; Apr. 8.
Fisher, Delbert L., Raymond, Wash. Automatic releasable cable hanger. 2,237,597; Apr. 8.
Fleming Manufacturing Company. (See Wilkinson, James W., assignor.)
Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Lathe. 2,238,019; Apr. 8.
Flukes, Andrew, assignor to Mills Novelty Company, Chicago, Ill. Absorption refrigeration system. 2,237,802; Apr. 8.
Fort Pitt Bedding Company. (See de Fries, Walter, assignor.)
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Automatic volume control. 2,237,421; Apr. 8.
Foster, Levin W., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 2,237,814; Apr. 8.
Foster, Ralph E. (See Johnson, Harris, assignor.)
Foxboro Company, The. (See Frymoyer, Webster W., assignor.)
Frame, Alexander B., Kirn, Scotland, and W. J. Frame, London, England. Cleaning and fumigating device. 2,237,984; Apr. 8.
Frame, William J. (See Frame, Alexander B. and W. J.)
Francisco, John D., assignor to The Signal-Air Company, Akron, Ohio. Tire inflation signal. 2,237,524; Apr. 8.
Franklin Railway Supply Company. (See Washburn, Edgar, assignor.)
Frazier, Pearl G., Altoona, Iowa. Power unit for driving lawn mowers. 2,237,521; Apr. 8.
Frederickson, James P., Wollaston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating on shoe parts. 2,237,422; Apr. 8.
Freeman, Arthur H., London, England, assignor to The International Nickel Company, Inc., New York, N. Y. Mounting for a domestic wash wringer. 2,237,423; Apr. 8.
Freese, Hermann. (See Schwarz, K., and Freese.)
Frentzel, Herman C., Jr., Shorewood, and H. A. Strelow, assignors to The Heil Co., Milwaukee, Wis. Receptacle transfer mechanism. 2,237,345; Apr. 8.
Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Clasp. 2,237,731; Apr. 8.
Fritsch, Lewis A., Cincinnati, Ohio. Truss pad. 2,237,865; Apr. 8.
Frymoyer, Webster W., assignor to The Foxboro Company, Foxboro, Mass. Condition indicating instrument. 2,237,598; Apr. 8.
Fulk, James R., Norwalk, Ohio. Method and apparatus for feeding paper. 2,237,877; Apr. 8.
Fullarton, Richard, Detroit, Mich. Cigarette holder. 2,237,663; Apr. 8.
Fulton, David M., assignor to J. and G. Fulton, Baltimore, Md. Antiglare headlight for vehicles. 2,237,815; Apr. 8.
Fulton, Gladys. (See Fulton, David M., assignor.)
Fulton, Jean. (See Fulton, David M., assignor.)
Fulton Sylphon Company, The. (See Giesler, Jean V., assignor.)
Gardiner, L. J., Company, The. (See Krastel, Oscar, assignor.)
Garman, George W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,237,985; Apr. 8.
Gasoline Products Company. (See Baker, Albert L., assignor.)

Gasoline Products Company. (See Rickerman, John H., assignor.)
Geiger, Max, and R. Urtel, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Saw-tooth wave generator. 2,237,425; Apr. 8.
Geissler, Walter. (See Kleinschmidt, O., and Geissler.)
Gemex Company. (See Haeffner, Emil, assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Bancroft, F. E., and Miller, assignors.)
General Electric Company. (See Baskerville, R. J., and Spiro, assignors.)
General Electric Company. (See Bruche, Ernst, assignor.)
General Electric Company. (See Cockrell, William D., assignor.)
General Electric Company. (See Davies, Leonard J., assignor.)
General Electric Company. (See De Blieux, Earl V., assignor.)
General Electric Company. (See Dunham, George W., assignor.)
General Electric Company. (See Foster, Levin W., assignor.)
General Electric Company. (See Garman, George W., assignor.)
General Electric Company. (See Hill, George S., assignor.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Smith, Richard L., assignor.)
General Electric Company. (See Van Nest, Francis H., assignor.)
General Electric Company. (See Williams, Edwin A., assignor.)
General Electric Company. (See Wittke, Heinz, assignor.)
General Electric Company. (See Zysk, Stephen, assignor.)
General Filter Company. (See Lawlor, Joseph P., and Roach, assignors.)
General Motors Corporation. (See Koerhing, Roland P., assignor.)
General Motors Corporation. (See Mann, Cecil A., assignor.)
General Motors Corporation. (See McCormack, Alex A., assignor.)
George, Charles L. (See Van Voorhis, W. G., Bennett, and George.)
Gerrard Engineering and Manufacturing Company. (See Downs, Arthur R., assignor.)
Getz, Benjamin, and A. Johnson, Milwaukee, Wis. Engine starting device. 2,237,816; Apr. 8.
Giammanco, Antonio, Chicago, Ill. Container. 2,237,553; Apr. 8.
Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator. 2,237,732; Apr. 8.
Giet, John, Jamaica, N. Y., and H. Miedendorp, Jr., Glen Rock, N. J. Bracket for thread cleaners. 2,237,664; Apr. 8.
Gilfillan, Paul M., assignor to Shellmar Products Company, Mount Vernon, Ohio. Forming material for containers. 2,237,346; Apr. 8.
Gilford, Charles F., Concord, N. H. Ball game. 2,237,986; Apr. 8.
Gilman, Martin J., Gilman, Conn. Football dummy. 2,237,599; Apr. 8.
Gilman, Martin J., Gilman, Conn. Charging sled. 2,237,600; Apr. 8.
Glazer, Nolan, Dallas, Tex. Tray. 2,237,525; Apr. 8.
Glidden Company, The. (See O'Brien, James J., assignor.)
Glover, W. T., & Company Limited. (See Beaver, C. J., and Davey, assignors.)
Goggin, William C. (See Hanson, A. W., and Goggin.)
Goldman, Julius, Los Angeles, Calif. Visor. 2,237,700; Apr. 8.
Goldstone, Benjamin. (See Whipple, Henry, assignor.)
Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)
Gottlieb, Manlous, Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine governor. 2,237,780; Apr. 8.
Gould & Eberhardt. (See Zimmermann, William F., assignor.)
Gourley, James N., Portland, Oreg. Lubrication fitting. 2,237,484; Apr. 8.
Graenacher, Charles, Riehen, and M. Matter, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Colored oxide film on metals consisting of the class of aluminum and alloys thereof and process of producing same. 2,237,483; Apr. 8.
Grand Rapids Fibre Cord Company. (See Sackner, Wade E., assignor.)
Grannan, William D., and W. J. Kelly, Flint, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Pump control. 2,237,347; Apr. 8.
Grassnick, Franz, F. Kannwitz, and W. Tiebe, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna switch. 2,237,426; Apr. 8.
Grau, Herbert E., Pasadena, assignor to Byron Jackson Co., Huntington Park, Calif. Pipe tong support. 2,237,427; Apr. 8.
Green, William, assignor to The Daniel Hays Company, Inc., Gloversville, N. Y. Glove cutting. 2,237,348; Apr. 8.
Greeniee, Theodore K., assignor to Barber-Colman Company, Rockford, Ill. Control for conditioning systems and the like. 2,237,304; Apr. 8.
Griffith-Hope Company. (See Hope, Samuel N., assignor.)
Grimes, Charles P. (See Bretzlaff, W. H., and Grimes.)
Grimm, Frederick, Washington, D. C., and J. A. Smoot, Scranton, Pa. Knitting device. 2,237,733; Apr. 8.
Grimsted, Percy A., assignor to W. Smit, Johannesburg, Transvaal, Union of South Africa. Stenciling. 2,237,734; Apr. 8.
Grove, Marvin H., Berkeley, Calif. Valve construction. 2,237,554; Apr. 8.
Grubb, Robert C., San Francisco, Calif. Door latch. 2,237,817; Apr. 8.
Gruening, William E., Cincinnati, Ohio. Guide roller mounting for pistons of gasholders. 2,237,701; Apr. 8.
Grunbaum, Milton, assignor to Levi Strauss and Company, San Francisco, Calif. Box plait for shirt fronts. 2,237,818; Apr. 8.
Gruse, Lucien R. (See Routson, Neal E., assignor.)
Gulllow, Paul K. (See Wildon, Thomas D., assignor.)
Guinot, Henri M., Niort, Deux-Sevres, assignor to Les Usines De Melle, Melle, Deux-Sevres, France. Preparation of diolefins. 2,237,866; Apr. 8.
Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,237,665; Apr. 8.
Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Printing device. 2,237,349; Apr. 8.
Guss, Cyrus O. (See Alquist, F. N., and Guss.)
Gustafson, Gilbert E. (See McDonald, E. F., Jr., and Gustafson.)
Hack, Ernst, assignor to Klangfilm G. m. b. H., Berlin, Germany. Photographic sound recording apparatus. 2,237,904; Apr. 8.
Haddaway, Vaden J., Woodlawn, Md. Door operator. 2,237,987; Apr. 8.
Haeff, Andrew V., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,237,878; Apr. 8.
Haeffner, Emil, assignor to Gemex Company, Newark, N. J. Bracelet construction. 2,237,931; Apr. 8.
Haffling, Eric V., Stratford, Conn. Machine tool. 2,237,905; Apr. 8.
Hall, Albert M. (See Queneau, P. E., and Hall.)
Hallock, Marion T., et al. (See Adams, H. A., and Files, assignors.)
Halvorsen, Hans, assignor of one-half to O. Halvorsen, Alsask, Saskatchewan, Canada. Garden tool. 2,237,988; Apr. 8.
Halvorsen, Oscar. (See Halvorsen, Hans, assignor.)
Handforth, Stanley L., Wilmington, Del., and C. R. Johnson, West Chester, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting initiator. 2,237,932; Apr. 8.
Hanna, William T., Cincinnati, Ohio. Stoker. 2,237,428; Apr. 8.
Hansen, Carl M., Spokane, Wash. Monocable tramway. 2,237,735; Apr. 8.
Hansen Manufacturing Company. (See Hansen, W. L., and Hurst, assignors.)
Hansen, William L., and I. N. Hurst, assignors to Hansen Mfg. Company, Inc., Princeton, Ind. Clock lubricating and silencing device. 2,237,958; Apr. 8.
Hansen, William L., and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Broaching machine for gears. 2,237,959; Apr. 8.
Hansen, William L., and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Slow speed motor. 2,237,960; Apr. 8.
Hansen, William L., and I. N. Hurst, assignors to Hansen Mfg. Company, Inc., Princeton, Ind. Rotor. 2,237,961; Apr. 8.
Hansen, William L., and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Making motor rotors. 2,237,962; Apr. 8.
Hanson, Alden W., and W. C. Goggin, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride copolymer. 2,238,020; Apr. 8.
Hanson, Arvid N., Hinsdale, and S. F. Warner, Forest Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Testing apparatus. 2,237,666; Apr. 8.
Hardt, Paul, assignor to Röchling'sche Eisen- und Stahlwerke Gesellschaft mit beschränkter Haftung, Volklingen-Saar, Germany. Deoxidation and degasification of steel. 2,237,485; Apr. 8.
Harrington, Valentine F., Newton, assignor to B. B. Chemical Co., Boston, Mass. Inking edges of shoe parts. 2,237,429; Apr. 8.
Harrison, Thomas, Flint, Mich. Detachable wheel. 2,237,702; Apr. 8.
Harshaw Chemical Company, The. (See Earhart, William H., assignor.)
Hart, Lester C., assignor to Hi-Voltage Equipment Company, Cleveland, Ohio. Enclosed fuse. 2,237,933; Apr. 8.
Harwick, Henry K. (See Eksergian, R., Horton, Harwick, and Skivesen.)

Haskell, Arthur N., Detroit, Mich. Drive unit mounting. 2,237,535; Apr. 8.

Hatch, Alexander G., and R. S. Condon, assignors to Fibre Can Development Corporation, Rutland, Vt. Method of and apparatus for forming fiber can bodies. 2,237,828; Apr. 8.

Haught, Thomas E., Boldman, Ky. Screen cleaning means. 2,237,964; Apr. 8.

Hawkinson, Paul E., Minneapolis, Minn. Tire casing and producing the same. 2,237,819; Apr. 8.

Hawks, Lloyd E., Ann Arbor, Mich. Combined flashlight and compass. 2,237,963; Apr. 8.

Haynes Stellite Company. (See Badger, Frank S., Jr., assignor.)

Hays, Daniel, Company, The. (See Green, William, assignor.)

Heat Treating Incorporated. (See Tankersley, James A., assignor.)

Heckert, Winfield W., Ardentown, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing. 2,237,829; Apr. 8.

Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Miter gauge. 2,237,558; Apr. 8.

Heil Co., The. (See Frentzel, H. C., Jr., and Strelow, assignors.)

Heil Co., The. (See Thwaits, Frederick G., assignor.)

Heilmann, Joseph V., Lakewood, assignor to W. J. Wesseler, East Cleveland, Ohio. Respirator and the like. 2,237,305; Apr. 8.

Heilmann, Walter, assignor to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Cathode ray tube recording device. 2,237,667; Apr. 8.

Henderson, Douglas S., Boston, assignor of one-half to H. E. Cole, Taunton, Mass. Table hockey game. 2,237,486; Apr. 8.

Henschel & Sohn Gesellschaft mit beschränkter Haftung. (See Barske, Ulrich, assignor.)

Hermann, Dietrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillator circuits. 2,237,668; Apr. 8.

Herrmann, Karl L., South Bend, Ind. Internal combustion engine. 2,237,989; Apr. 8.

Herrmann, Karl L., South Bend, Ind. Internal combustion engine. 2,237,621; Apr. 8.

Hewlett, James F., Cleveland, Ohio. Piano practicing mute. 2,237,990; Apr. 8.

Higgins, Eugene, Jackson, Mich. Motor and pump transmission. 2,237,430; Apr. 8.

Higman, Brown, Pico, Calif., assignor to H. W. Mattingly. Fence construction. 2,237,669; Apr. 8.

Hill, Joe C., Lubbock, Tex. Back rest. 2,237,736; Apr. 8.

Hill, George S., Erie, Pa., assignor to General Electric Company. Food storage receptacle for refrigerators. 2,237,820; Apr. 8.

Hill, William H., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of guanidine sulphamates. 2,237,781; Apr. 8.

Hinds, George E. (See Olin, J. F., and Hinds.)

Hinkel, William, assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis. Display stand. 2,237,879; Apr. 8.

Hinsky, Anthony P., assignor to Pyro Products Corporation, Brooklyn, N. Y. Fibrous jacket for insulated conductors. 2,237,431; Apr. 8.

Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)

Hlasney, John, Jr., New York, N. Y. Adjustable transmission for airplane motors and the like. 2,237,934; Apr. 8.

Hobart Manufacturing Company, The. (See Arnt, Herald P., Sr., assignor.)

Hobing, Julius J., assignor to The Crosley Corporation, Cincinnati, Ohio. Adjustable tuning mechanism. 2,237,487; Apr. 8.

Hodge, Arthur O. A. (See Shaw, W. A., and Hodge.)

Hoeft, Adolph R., Evanston, assignor to Bell and Gossett Company, Chicago, Ill. Hover raising and lowering device for battery brooders. 2,237,557; Apr. 8.

Hoferer, Daniel W., Long Beach, Calif. Well pump lock. 2,237,703; Apr. 8.

Hoffman Beverage Company. (See Schmutzer, Charles, assignor.)

Hofmann, Robert, Jr., Culver City, Calif. Automatic transmission. 2,237,433; Apr. 8.

Holek, František, Brunn-Juilanov, assignor to Československá Zbrojovka A. S., Brno, Brunn, Czechoslovakia. Shoulder-controlled firearm. 2,237,601; Apr. 8.

Holden, Artemas F., and H. Solaklan, New Haven, Conn.; said Solaklan assignor to said Holden. Heat treatment bath. 2,237,434; Apr. 8.

Hollmann, Heinrich, Dortmund, Germany. Production of artificial teeth. 2,237,350; Apr. 8.

Hölzler, Erwin, Berlin-Halensee, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Feedback circuit. 2,238,782; Apr. 8.

Hood, Manley J., Langley Field, Va. Angle-of-attack indicator. 2,237,304; Apr. 8.

Hood Rubber Company. (See L'Hollier, L. H., and Olson, assignors.)

Hoop, Walter, Berkeley, and L. C. Veale, Albany, Calif.; said Veale assignor to said Hoop. Dough strip twisting machine. 2,237,821; Apr. 8.

Hope, Samuel N., Wanwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Sheet dispenser. 2,237,424; Apr. 8.

Horton, Reuben H. (See Eksergian, R., Horton, Harwick, and Skivesen.)

Hossmann, Paul, Bern, Switzerland. Sliding clasp fastener. 2,237,935; Apr. 8.

Houston Corporation, The. (See Houston, Herbert W., assignor.)

Houston, Herbert W., North Hollywood, assignor to The Houston Corporation, Los Angeles, Calif. Photographic film developing apparatus. 2,237,737; Apr. 8.

Howe, Emery D., Coldwater, Mich. Fishing reel. 2,237,991; Apr. 8.

Howle, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine and process. 2,237,602; Apr. 8.

Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation. Absorption refrigerating machine. 2,237,622; Apr. 8.

Hudson Motor Car Company. (See Maurer, Paul H., assignor.)

Huebner, William C., New York, N. Y. Vacuum holder for negative plates. 2,237,704; Apr. 8.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,237,432; Apr. 8.

Hughes, Everett C. (See Burk, R. E., and Hughes.)

Huggett, Walter E. (See Blagden, J. W., and Huggett.)

Humphrey, Dee E. (See Kendrick, Arthur, assignor.)

Humphreys, Marion W. (See Samuels, A. O., and Humphreys)

Humphreys, Robert L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Extreme pressure lubricating composition. 2,237,526; Apr. 8.

Hummel, Frederick H., assignor to Philmus Bros. and Sobel, Brooklyn, N. Y. Stiffening shoe insoles. 2,237,783; Apr. 8.

Hurst, Ira N. (See Hansen, W. L., and Hurst.)

Hutchens, Terrell E., Tuttle, Okla. Safety milk bottle cabinet. 2,237,388; Apr. 8.

Hutton, Ulric O., New Castle, assignor to Cambridge Instrument Company, Inc., Ossining, N. Y. Aircraft exhaust-gas testing apparatus. 2,237,558; Apr. 8.

Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)

Hygrade Sylvania Corporation. (See Moore, William R., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Lange, Max, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schlack, Paul, assignor.)

I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)

Iber, George A., Melrose Park, assignor to The McAlear Manufacturing Company, Chicago, Ill. Valve. 2,237,784; Apr. 8.

Ille, Floyd W., New York, N. Y. Therapeutic bath apparatus. 2,237,435; Apr. 8.

Ille, Floyd W., New York, N. Y. Water and air projecting device. 2,237,436; Apr. 8.

Imperial Chemical Industries Limited. (See Baldwin, A. W., Piggott, and Statham, assignors.)

Imperial Chemical Industries Limited. (See Evans, J. G., and Renfrew, assignors.)

Imperial Chemical Industries Limited. (See Twitchett, Harry J., assignor.)

Indiana Fibre Products Company. (See Creek, Ernest J., assignor.)

Ingalls, Ruth P., et al. (See Adams, H. A., and Files, assignors.)

Inoue, Ryohei. (See Kajita, T., and Inoue.)

Institute of Paper Chemistry, The. (See Smith, Allan K., assignor.)

Insulation Development Corporation. (See McIntyre, Brouwer D., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Cigar Machinery Company. See Neumair, Joseph A., assignor.)

International Harvester Company. (See Baker, D. B., Rogers, and Bechman, assignors.)

International Harvester Company. (See Bundy, J. A., and Elfner, assignors.)

International Harvester Company. (See Lysedahl, Roland H., assignor.)

International Industries, Inc. (See Fassin, Gustave, assignor.)

International Nickel Company, The. (See Freeman, Arthur H., assignor.)

International Nickel Company, The. (See Queneau, P. E., and Hall, assignors.)

International Nickel Company, The. (See Wesley, Andrew, assignor.)

Isleib, Erwin C., assignor to The J. B. Williams Company, Glastonbury, Conn. Display basket. 2,237,706; Apr. 8.

Jackson, Alexander H., Pittsburgh, assignor to Blaw-Knox Company, Blaw-Knox, Pa. Radio antenna. 2,237,936; Apr. 8.

Jackson, Byron, Co. (See Grau, Herbert E., assignor.)

Jackson, Donald D. (See Yeates, P. M., and Jackson.)

Jackson, J. S., et al. (See Poynter, James R., assignor.)

Jackson, Winifred Y., et al. (See Poynter, James R., assignor.)

Jalbert, Adrien L., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for separating shoes from lasts. 2,237,437; Apr. 8.

James, Cyril Harry, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening inserting machine. 2,237,438; Apr. 8.

Jarvi, Valno, New York, N. Y. Razor blade edge aligning device. 2,237,488; Apr. 8.

Jayne, David W., Jr., Port Chester, assignor to American Cyanamid Company, New York, N. Y. Ammoniated tall oil product and producing the same. 2,238,021; Apr. 8.

Jenne, Aldred A., Topsfield, Mass. Inflating device. 2,237,559; Apr. 8.

Jerome, Walter C., Worcester, Mass. Floor cleaner. 2,237,830; Apr. 8.

Johns-Manville Corporation. (See Collier, S., Randolph, and Collins, assignors.)

Johnson, Alex. (See Getz, B., and Johnson.)

Johnson, Charles R. (See Handforth, S. L., and Johnson.)

Johnson, Fred G., assignor to United States Gypsum Company, Chicago, Ill. Insulating material and structure. 2,238,022; Apr. 8.

Johnson, Harris, assignor to R. E. Foster, Brookfield, Ill. Baseball game. 2,237,351; Apr. 8.

Johnson, Maurice, and L. J. Smith, assignors to The Federal Cartridge Corporation, Minneapolis, Minn. Wire winding machine. 2,237,560; Apr. 8.

Johnson, Victor S. (See White, Sidney Y., assignor.)

Jones, Clarence E., Euclid, Ohio. Building structure and air circulation therefor. 2,237,831; Apr. 8.

Jones, Charles L., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Processing food products. 2,237,739; Apr. 8.

Jones, Daniel C., assignor to Koehring Company, Milwaukee, Wis. Shovel crane boom. 2,237,439; Apr. 8.

Jones, Herbert E., Colorado Springs, Colo., assignor to Kansas City Testing Laboratory, Kansas City, Mo. Automatic control instrument. 2,237,440; Apr. 8.

Jones, Leo D., assignor to The Sharples Corporation, Philadelphia, Pa. Dewaxing hydrocarbon oils. 2,237,670; Apr. 8.

Jordan, O. F., Company. (See Shipley, Calvin W., assignor.)

Jordan, Stroud, Brooklyn, N. Y. Viscosity-lowering product and making the same. 2,237,441; Apr. 8.

Kajita, Toshiji, and R. Inoue, Tokyo, assignors to Showa Sangyo Kabushiki Kaisha, Daikoku-cho Tsurumi-ku, Yokohama, Japan. Manufacturing artificial fiber from protein contained in soybean. 2,237,832; Apr. 8.

Kales, Josef, Stuttgart, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhhausen, Germany. Tractor. 2,237,937. Apr. 8.

Kallmann, Heinz, E., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Electron discharge device. 2,237,671; Apr. 8.

Kannwitz, Fritz. (See Grassnick, F., Kannwitz, and Tiebe.)

Kansas City Testing Laboratory. (See Jones, Herbert E., assignor.)

Kapp, Harold V., Long Beach, Calif. Apparatus for and method of classifying or separating fluid-borne materials. 2,237,603; Apr. 8.

Karbe, Johannes, Berlin, Germany. Spraying device. 2,237,489; Apr. 8.

Kelly, Winton J. (See Grannan, W. D., and Kelly.)

Kendrick, Arthur, assignor of one-half to Dee E. Humphrey, Dallas, Tex. Structural steel tower. 2,237,965; Apr. 8.

Kennedy, Edward, New York, N. Y. Plumber's fitting. 2,237,672; Apr. 8.

Kennedy, Ernest N., London, England. Traveling case. 2,237,992; Apr. 8.

Ketchpel, Paul A., Bergenfield, N. J., assignor to The Standard Stoker Company, Incorporated. Stoker. 2,237,938; Apr. 8.

Key, Carrol L. (See Bailey, J. R., and Key.)

Keyes, Hugh T., Detroit, Mich. Areaway construction. 2,237,564; Apr. 8.

Kiefer, Karl, Machine Company, The. (See Fechheimer, Paul R., assignor.)

Kimball, Donald E., Cleveland, Ohio. Legging. 2,237,307; Apr. 8.

King, Gerald V., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,237,966; Apr. 8.

King, Philo R., Webster Groves, Mo., and R. D. Baker, Alton, Ill., assignors to Union Starch and Refining Company, Columbus, Ind. System for making starch and starch products. 2,237,561; Apr. 8.

Klangfilm G. m. b. H. (See Hack, Ernst, assignor.)

Klein, Nicholas D., Davenport, Iowa. Truss. 2,237,939; Apr. 8.

Kleinschmidt, Oskar, and W. Geissler, assignors to Gebrüdder Brehmer, Leipzig, Germany. Feeding folded signatures. 2,237,740; Apr. 8.

Klipsch, Paul W., assignor to E. E. Rosaire, Houston, Tex. Equalizer. 2,238,023; Apr. 8.

Knapp, Ismond E. (See Price, R. E., and Knapp.)

Knapp, James H., Co. (See Knapp, James H., assignor.)

Knapp, James H., Beverly Hills, assignor to James H. Knapp Co., Los Angeles, Calif. Heat treating in a semimuffle type furnace. 2,237,785; Apr. 8.

Knowland, Thomas M., Belmont, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Hose nipple connection. 2,237,490; Apr. 8.

Knox, Charles, Jr., Norwood, Pa., assignor to Crouse-Hinds Company, Syracuse, N. Y. Trap seal for electric conduit lines. 2,237,562; Apr. 8.

Koehring Company. (See Jones, Daniel C., assignor.)

Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Heat treating apparatus. 2,237,966; Apr. 8.

Koenig, Alphonso L., Chicago, Ill. Pressure regulating dispensing valve. 2,237,940; Apr. 8.

Kohl, Everard F., Cleveland, Ohio. Snap-acting device. 2,237,705; Apr. 8.

Korbuly, Károly, Csepel, Hungary, assignor to the firm Tube Industrial Participation Limited, Breganzona-Lugano, Switzerland. Production of cup-shaped hollow bodies from metal billets. 2,237,993; Apr. 8.

Krastel, Oscar, assignor to The L. J. Gardiner Company, Columbus, Ohio. Rear-shutter mechanism for moving picture projecting machines. 2,237,786; Apr. 8.

Kraut, Max, San Francisco, Calif. Fluid motor. 2,237,563; Apr. 8.

Krodel, William, New Hyde Park, assignor to T. & P. Optical Mfg. Co., Inc., New York, N. Y. Lens mounting for eyeglasses. 2,237,352; Apr. 8.

Kruse, Edward H. (See Dole, Paul D., assignor.)

Kuhlik, Hattie B. (See Kuhlik, Jacob M., assignor.)

Kuhlik, Jacob M., Seagate, assignor to H. B. Kuhlik, Brooklyn, N. Y. Sound translating equipment. 2,237,738; Apr. 8.

Kurzweil, Chris, assignor to Baldwin Rubber Company, Pontiac, Mich. Fluid seal construction. 2,237,758; Apr. 8.

Kutz, William H., Summithill, Pa. Shaker screen. 2,237,491; Apr. 8.

Kwitek, George M., assignor of one-half to E. M. Kwitek, and one-fourth to R. J. Pech, Green Bay, Wis. Paper winding machine. 2,237,759; Apr. 8.

Kwitek, Edwin M., et al. (See Kwitek, George M., assignor.)

La Branche, Louis, Dayton, Ohio. Oil burner. 2,237,967; Apr. 8.

Lamm, Uno, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. High vacuum pump having vapor jet nozzles. 2,237,941; Apr. 8.

Lanciani, Ettore, assignor to "Aeroplane Caproni" Societa Anonima, Milan, Italy. Aircraft gun mount mechanism. 2,237,833; Apr. 8.

Land, Edwin H., Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Apparatus for use in antiglare devices employing polarized light. 2,237,565; Apr. 8.

Land, Edwin H., Boston, Mass., assignor to Polaroid Corporation, Dover, Del. Variable density window. 2,237,566; Apr. 8.

Land, Edwin H., Boston, Mass., assignor to Polaroid Corporation, Dover, Del. Light polarizer and manufacturing the same. 2,237,567; Apr. 8.

Landenberger, Charles F., Camden, N. J., and T. J. Talley, 3rd, Philadelphia, Pa., assignors to American Telephone and Telegraph Company. Electrical network. 2,237,492; Apr. 8.

Landgraf, John N., Jr., Chilton, Wis. Steering connection for outboard motors. 2,237,834; Apr. 8.

Landgraf, Richard P., Chicago, Ill. Electric clock. 2,237,673; Apr. 8.

Landin, Colin, Washington, D. C. Integrating paper tissue on paper or other porous materials. 2,237,568; Apr. 8.

Landis, Daniel O., Upper Darby, Pa., assignor to Radio Corporation of America. Power transmitting device. 2,237,907; Apr. 8.

Landsiedel, Walter W., Elmira, assignor to Remington Rand Inc., Buffalo, N. Y. Computing machine. 2,237,881; Apr. 8.

Lange, Max, Frankfort-on-the-Main-Unterliederbach, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic process for acetylene polymerization. 2,237,353; Apr. 8.

Lapointe, Donald H., assignor to The Miller Company, Meriden, Conn. Liqued fuel stove. 2,237,674; Apr. 8.

Lapointe, Francis J., assignor, by mesne assignments, to American Broach & Machine Co., Ann Arbor, Mich. Broaching machine. 2,237,760; Apr. 8.

Larson, Donald E., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Container. 2,237,308; Apr. 8.

Lasker, William W., deceased, by W. W. Lasker, Jr., executor, Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating mechanism. 2,237,908; Apr. 8.

Lasker, William W., Jr., executor. (See Lasker, William W.)

Lawlor, Joseph P., and V. M. Roach, assignors to General Filter Company, Ames, Iowa. Removing iron from water. 2,237,882; Apr. 8.

Layne, Leslie A. (See Block, Harold C., assignor.)

Layng, Edwin T., assignor to The Polymerization Process Corporation, Jersey City, N. J. Conversion of hydrocarbons. 2,237,822; Apr. 8.

Lazenby, John F., Pasadena, Calif. Game apparatus. 2,237,707; Apr. 8.

Lazrus, Benjamin, Lawrence, Long Island, assignor to Benrus Watch Company, New York, N. Y. Initial wrist watch case. 2,237,675; Apr. 8.
Leano, Robert, Pasadena, Calif. Knife cleaner. 2,237,761; Apr. 8.
Leavens, Robert E., Houston, Tex. Banana peeler. 2,237,354; Apr. 8.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Laminated sheet and stamped metal panel. 2,237,623; Apr. 8.
Lemley, Zack, Denver, Colo. Ringlet curler. 2,237,942; Apr. 8.
Les Usines De Melle. (See Guinot, Henri M., assignor.)
Lewis, Harrison, San Francisco, Calif. Device for cutting and trimming hair. 2,237,676; Apr. 8.
Lewis, Howard B., Venice, assignor to Salsbury Corporation, Inglewood, Calif. Hood for motor drive vehicles. 2,237,677; Apr. 8.
Lewis, Kenneth B., Worcester, Mass., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Die box for wire drawing machines. 2,237,527; Apr. 8.
L'Hollier, Leslie H., Waltham, and F. F. Olson, Belmont, assignors to Hood Rubber Company, Inc., Watertown, Mass. Making footwear. 2,237,835; Apr. 8.
Lihotzky, Erwin, Wetzlar, Germany, assignor, by mesne assignments, to F. Dumur, Lausanne, Switzerland. Intermediary optical system for microscopes. 2,237,943; Apr. 8.
Linch, Harry A., Mamaroneck, assignor to The Dorr Company, Inc., New York, N. Y. Combined clarifier and flocculating apparatus. 2,238,024; Apr. 8.
Lindenblad, Nils E. (See Dow, O. E., and Lindenblad.)
Lindsley, Harry B., Wauwatosa, Wis. Box nail. 2,237,741; Apr. 8.
Lionel Corporation, The. (See Ferri, Henry J., assignor.)
Lipic, Sylvester G., St. Louis, Mo. Ornamental device for pencils or the like. 2,237,883; Apr. 8.
Lofgren, Elnar G., Minneapolis, Minn. Induction heater. 2,237,569; Apr. 8.
Lohr, Raymond J., and R. C. Straw, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Repeating cork-shooting toy. 2,237,678; Apr. 8.
Long, Charles M., Detroit, Mich. Reproducing natural grain patterns. 2,237,708; Apr. 8.
Long, Frederick F., Chester, assignor to American Viscose Corporation, Marcus Hook, Pa. Reeling device. 2,237,994; Apr. 8.
Love, Elmo O., Los Angeles, Calif. Blowout preventer. 2,237,709; Apr. 8.
Lubszynski, Hans G. (See McGee, J. D., and Lubszynski.)
Lubszynski, Hans G., Hillingdon, and J. D. McGee, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device. 2,237,679; Apr. 8.
Lucey Export Corporation. (See Attridge, Oliver H., assignor.)
Ludwig, H. L., and Son, Inc. (See Ludwig, Harry L., assignor.)
Ludwig, Harry L., assignor to H. L. Ludwig and Son, Inc., Miami, Fla. Trolling and casting bait carrier and hook. 2,237,389; Apr. 8.
Ludwig, Louis, Brooklyn, N. Y. Illuminated name plate and electrical push button. 2,237,355; Apr. 8.
Lund, Ruby, Houston, Tex. Garden bench. 2,237,909; Apr. 8.
Lundstrom, Alexis A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,237,742; Apr. 8.
Lysedahl, Roland H., Oak Park, Ill., assignor to International Harvester Company. Control of harrows. 2,237,884; Apr. 8.
Maculuso, Joseph, Baltimore, Md. Collection receptacle. 2,237,836; Apr. 8.
Macfarlane, Donald B., Berkeley, Calif. Shelling nuts. 2,237,442; Apr. 8.
Mahan, Raymond. (See Bailey, J. R., and Mahan.)
Magnusson, Knut J. (See Bedford, A. V., and Magnusson.)
Maillart, Edmond B., Philadelphia, assignor to F. M. Bowers, Chester, Pa. Probing a weld. 2,237,570; Apr. 8.
Maillart, Edmond B., Philadelphia, assignor to F. M. Bowers, Chester, Pa. Welding probing apparatus. 2,237,571; Apr. 8.
Manion, Joseph F., Detroit, Mich. Knockdown scaffold structure. 2,237,572; Apr. 8.
Mann, Cecil A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making sponge iron powder. 2,237,567; Apr. 8.
Marasso, Fred, assignor to Union Machinery Company, Joliet, Ill. Container cover operating mechanism. 2,237,528; Apr. 8.
Marienthal, Paul, Clawson, Mich., assignor to The Sherwin-Williams Co., Cleveland, Ohio. Proportional mixing scale. 2,237,443; Apr. 8.
Marique, Jean, Uccle-Brussels, Belgium. Instantaneous direct reading radiogoniometer. 2,237,604; Apr. 8.
Mark, Harry R., Evanston, assignor to Clayton Mark & Company, Chicago, Ill. Well cap. 2,237,680; Apr. 8.
Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sterol derivatives and making same. 2,237,762; Apr. 8.
Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sterol derivatives and making same. 2,237,763; Apr. 8.
Markle, George B., Jr., Hazleton, Pa. Bobbin and the like. 2,237,837; Apr. 8.
Markush, Eugene A., Jersey City, and M. S. Mayzner, Asbury Park, N. J., assignors to Pharma Chemical Corporation, New York, N. Y. Stable diazo compounds. 2,237,885; Apr. 8.
Marshall, Porter, Clay Center, Kans. Feed mixer. 2,237,787; Apr. 8.
Martin, Glenn L., Company, The. (See Dale, Hubert S., assignor.)
Martinlus, Joseph, Grand Rapids, Mich. Sash. 2,237,493; Apr. 8.
Marx, Louis, & Company. (See Lohr, R. J., and Straw, assignors.)
Mason, William H., Bowling Green, Ky. Tobacco product. 2,237,995; Apr. 8.
Matter, Max. (See Graenacher, C., and Matter.)
Mattingly, Harold W. (See Higman, Brown, assignor.)
Maurer, Paul H., Birmingham, assignor to Hudson Motor Car Company, Detroit, Mich. Clutch control mechanism. 2,237,944; Apr. 8.
Maurice, Raymond H. (See Sinclair, Roy, assignor.)
Maypole, Roy A., Chicago, Ill. Mechanical horse. 2,237,605; Apr. 8.
Mayer, Carl A., et al. (See Phillips, Jacob H., assignor.)
Mayzner, Mark S. (See Markush, E. A., and Mayzner.)
McAllear Manufacturing Company, The. (See Iler, George A., assignor.)
McClish, James L., Winters, Calif. Trip mechanism for tail gates. 2,237,838; Apr. 8.
McCollough, William F. (See Woods, G. H., and McCollough.)
McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Seal for refrigerating apparatus. 2,237,494; Apr. 8.
McCormick, Frank L. (See Osborne, F. H., and McCormick.)
McCormack, Herbert, Howey-in-the-Hills, assignor to McCormack Inventions, Inc., Howey, Fla. Pulsator. 2,237,444; Apr. 8.
McCormack Inventions, Inc. (See McCormack, Herbert, assignor.)
McDonald, Eugene F., Jr., Chicago, and G. E. Gustafson, River Forest, assignors to Zenith Radio Corporation, Chicago, Ill. Radio construction. 2,237,886; Apr. 8.
McDonough, Edgar R. (See Cost, W. A., and McDonough.)
McGee, James D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device for use in television. 2,237,445; Apr. 8.
McGee, James D., Ealing, London, and H. G. Lubszynski, Hillingdon, assignors to Electric & Musical Industries, Limited, Hayes, England. Television transmitting tube. 2,237,681; Apr. 8.
McGee, James D. (See Lubszynski, H. G., and McGee.)
McIntyre, Brouwer D., assignor to Insulation Development Corporation, Monroe, Mich. Viscosimeter. 2,237,743; Apr. 8.
McKinney, Robert M., Roselle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of rutile pigment. 2,237,764; Apr. 8.
McKinney, William J., assignor to The Atwood Machine Company, Stonington, Conn. Stop motion for textile machine. 2,237,495; Apr. 8.
McLennan, Lester W., Richmond, assignor to Union Oil Company of California, Los Angeles, Calif. Grease containing asphalt. 2,237,682; Apr. 8.
McMinn, Wiley W., Orange, N. J. Method and means for making hollow tubular members. 2,237,309; Apr. 8.
McMurry, Benjamin F., Knoxville, Tenn. Curtain rod. 2,237,710; Apr. 8.
McWane, Henry E., Lynchburg, Va. Water jacket for molds. 2,237,606; Apr. 8.
Meiller, F. X., Maschinenfabrik & Wagenbauanstalt. (See Roedel, Max, assignor.)
Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Insecticide. 2,237,356; Apr. 8
Metal Cap and Machine Corporation. (See Perrone, Luigi, assignor.)
Michaelson, Joseph M., Minneapolis, Minn. Toy cannon. 2,237,529; Apr. 8.
Miedendorp, Henry, Jr. (See Glet, J., and Miedendorp.)
Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge device. 2,238,025; Apr. 8.
Miller, Charles W. (See Bancroft, F. E., and Miller.)
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller Company, The. (See Lapointe, Donald H., assignor.)
Miller, James N., Columbus, Ohio. Baler for sheet metal or the like. 2,237,839; Apr. 8.
Miller Printing Machinery Co. (See Sinkovitz, Joseph, assignor.)
Miller, Russell M., Kenosha, Wis. Cooling device for slug casting machines. 2,237,610; Apr. 8.

Mills Novelty Company. (See Flukes, Andrew, assignor.)
Milner, John W., assignor to The Murray Corporation of America, Detroit, Mich. Graining machine for molding. 2,237,357; Apr. 8.
Minneapolis-Honeywell Regulator Company. (See Bower, George D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)
Minor, Burt S., Whittier, Calif., assignor to Regan Forge & Engineering Company. Method and apparatus for suspending well casing. 2,237,683; Apr. 8.
Minor, Dorothy C. (See Minor, William O., assignor.)
Minor, William O., assignor to D. C. Minor, Atlanta, Ga. Overcorrective shoe for talipes varus. 2,237,945; Apr. 8.
Minor, William O., assignor to D. C. Minor, Atlanta, Ga. Overcorrective shoe for talipes varus. 2,237,946; Apr. 8.
Minor, William O., assignor to D. C. Minor, Atlanta, Ga. Overcorrective shoe for deformed feet. 2,237,947; Apr. 8.
Miskelly, Samuel, Downers Grove, assignor to Western Railroad Supply Company, Chicago, Ill. Apparatus for the control of highway crossing signals. 2,237,390; Apr. 8.
Mitchell, Ebb V., Abilene, Tex. Window lock. 2,237,996; Apr. 8.
Moccia, Pasquale L., New York, N. Y. Apparatus for setting up concrete forms. 2,237,997; Apr. 8.
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Moore, Loris C., Columbus, Ohio. Device for coding and decoding business survey cards. 2,237,968; Apr. 8.
Moore, William E., Pittsburgh, Pa., assignor, by mesne assignments, to Delaware Engineering Corporation, Wilmington, Del. Method of and apparatus for trenting gases. 2,237,684; Apr. 8
Moore, William R., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent material and preparing the same. 2,238,026; Apr. 8.
Morgan, George C., Birmingham, Ala., assignor to Continental Gin Company. Lint condenser. 2,237,358; Apr. 8.
Morgan, John H., assignor to Crane Company of Minnesota, St. Paul, Minn. Purification of water. 2,237,711; Apr. 8.
Moser, Wilhelm, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 2,237,765; Apr. 8.
Motley, Robert L., Dayton, Ohio. Combined receptacle and comb. 2,237,611; Apr. 8.
Moyer, Otto D. (See Poland, W. R., and Moyer.)
Mueller Co. (See Cline, Earl E., assignor.)
Mullen, John E., Boston, Mass. Contact lens and making the same. 2,237,744; Apr. 8.
Mullins, Grover F., Westwood, Calif. Cartridge holder. 2,237,712; Apr. 8.
Mundet Cork Corporation. (See Ott, Frederick C. A., assignor.)
Munford, William T., Ontario, Calif. Air conditioner for automobiles. 2,237,497; Apr. 8.
Murphy, Paul C. (See Crites, W. J., and Murphy.)
Murray Corporation of America, The. (See Milner, John W., assignor.)
Museritan, John, New York, N. Y. Size guide for pressing machine covers. 2,237,948; Apr. 8.
Musgrave, John R., Joplin, Mo., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio. Thermal insulating cement. 2,237,745; Apr. 8.
Muskovin, George T., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,237,496; Apr. 8.
Myracle, Clarence C., Orange, Calif. Apparatus for washing perforations. 2,237,612; Apr. 8.
Nallinger, Fritz, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Cooling system for internal combustion engines. 2,237,910; Apr. 8.
National Fireproofing Corporation. (See Cooley, John M., assignor.)
National Fitch Corporation. (See Norbom, Ragnar A., assignor.)
National Piston Ring Company. (See Brouwer, George, assignor.)
National Supply Company, The. (See Shaw, W. A., and Hodge, assignors.)
National Tube Company. (See Findlater, Stevenson, assignor.)
Nelson, Melvin, and W. A. Dunlap, assignors to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Metal furniture. 2,237,840; Apr. 8.
Nelswinter, James T., North Olmstead, Ohio, assignor to American Telephone and Telegraph Company. Telegraph system. 2,237,498; Apr. 8.
Nerwin, Hubert, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,237,887; Apr. 8.
Nessell, Clarence W., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,238,000; Apr. 8.
Neuhauser, Willi, St. Gall, Switzerland. 2,237,998; Apr. 8.
Neuland, Alfons H., Cleveland, Ohio. Assembled crankshaft. 2,237,685; Apr. 8.
Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Package and method of wrapping and banding. 2,237,911; Apr. 8.
New Jersey Machine Corporation. (See von Hofe, George W., assignor.)
Newell, Frank M, Lowell, Mich. Valve for door checks and closers. 2,237,841; Apr. 8.
Newman, Carl A., Rochester, N. Y. Motor. 2,237,999; Apr. 8.
New Products Corporation. (See Banker, Oscar H., assignor.)
Nicholson, Frank H., Penn Township, Allegheny County, and L. R. Allison, Forest Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,237,788; Apr. 8.
Nilsson, Robert S., Visby, Sweden, assignor to Pitney Bowes Postage Meter Company, Stamford, Conn. Postage printing machine. 2,237,446; Apr. 8.
Norbom, Ragnar A., Clifton, N. J., assignor, by mesne assignments, to National Fitch Corporation, New York, N. Y. Demountable freight container for liquids. 2,237,310; Apr. 8.
Norsk Spraengstofindustrie A/S. (See Bille, Henrich, assignor.)
North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
North American Containers, Inc. (See Yeates, P. M., and Jackson.)
Norton Company. (See Alvord, Charles C., assignor.)
Norton Company. (See Muskovin, George T., assignor.)
Norton Company. (See Ridgway, Raymond R., assignor.)
Nowoslelski, E. B., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magneto generator. 2,237,823; Apr. 8.
O'Brien, James J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Preparation of cadmium pigments. 2,237,311; Apr. 8.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,237,789; Apr. 8.
Oldham, John M., Pleasant Ridge, assignor to L. A. Young, Detroit, Mich. Friction member. 2,237,624; Apr. 8.
Olin, John F., Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Sulphurization of sulphur-containing organic compounds. 2,237,625; Apr. 8.
Olin, John F., Grosse Ile, Mich., assignor to The Sharples Solvents Corporation. Purification of crude esterification mixtures. 2,237,626; Apr. 8.
Olin, John F., Grosse Ile, Mich., assignor to The Sharples Solvents Corporation. Sulphurization of organic polysulphides. 2,237,627; Apr. 8.
Olin, John F., Grosse Ile, Mich., and G. E. Hinds, assignors to The Sharples Solvents Corporation, Philadelphia, Pa. Separation of tri-ethyl amine from reaction mixtures. 2,237,628; Apr. 8.
Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Switch actuating mechanism. 2,237,530; Apr. 8.
Olsen, Georgia M., Caldwell, Idaho. Cushioned mop handle. 2,237,969; Apr. 8.
Olson, Frederick F. (See L'Hollier, L. H., and Olson.)
Oneida Paper Products, Inc. (See Bischoff, Louis, assignor.)
Orelup, John W., Summit, N. J. Shampoo. 2,237,629; Apr. 8.
Orth, George W., Philadelphia, and H. P. Orth, Merwood, Pa. Building flashing. 2,237,531; Apr. 8.
Orth, Herbert P. (See Orth, George W. and H. P.)
Osborne, Fred H., Snyder, and F. L. McCormick, assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Coin controlled mechanism. 2,237,573; Apr. 8.
Österdahl, Ragnar K., Essingen, Sweden. Vacuum-cleaner bag. 2,237,499; Apr. 8.
Österr. Ung. Optische Anstalt C. P. Georz Gesellschaft m. b. H. (See Petschenig, Karl, assignor.)
Ott, Frederick C. A., Glendale, assignor to Mundet Cork Corporation, Brooklyn, N. Y. Applying machine. 2,237,359; Apr. 8.
Overmier, Emmons, La Grange, T. E. Rodman, Glencoe, and S. E. Bates, assignors, by mesne assignments, to Poor & Company, Chicago, Ill. Track lubricator. 2,237,312; Apr. 8.
Pabst, Wilhelm, Hamburg, Germany. Starting device, particularly for internal combustion engines. 2,237,970; Apr. 8.
Padelford, Valerie B., Washington, D. C. Temperature controlling bag. 2,237,971; Apr. 8.
Palmer, Allan, San Francisco, Calif. Handle. 2,237,949; Apr. 8.
Palmones, Dixon, Pelham, N. Y. Toy boat. 2,237,912; Apr. 8.
Paris, William B. (See De Horvath, Z., and Paris.)
Parke, Davis & Company. (See Marker, Russell E., assignor.)
Parr, Ross, Huntington Beach, Calif. Bailer. 2,237,686; Apr. 8.
Parsons, Lee, and C. R. Potter, Sonoma, Calif. Spraying device. 2,237,687; Apr. 8.

Pastor, Santos, New York, N. Y., assignor to The Carter's Ink Company, Cambridge, Mass. Inkwell. 2,237,791; Apr. 8.

Paterno, Joseph J., Salem, Mass. Protecting and sealing device for battery terminals. 2,237,630; Apr. 8.

Pech, Reuben J., et al. (See Kwitek, George M., assignor.)

Peerpatco, Incorporated. (See Dunbeck, Norman J., assignor.)

Peterls, Edgar S. (See Dangelmajer, C., and Peterls.)

Peltier, Frank D., and K. F. Schmidt, Indianapolis, Ind., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Evaporator unit. 2,237,500; Apr. 8.

Pentecost, Arthur, Upper Montclair, N. J., assignor to Remington Rand Inc., Buffalo, N. Y. Card handling equipment. 2,237,888; Apr. 8.

Peregallo, Peter J., Hawthorne, N. J. Device for applying adhesive markers to surfaces. 2,237,360; Apr. 8.

Perks, Gertrude E. R., Watford, England. Automatic game device. 2,237,746; Apr. 8.

Perrone, Luigi, assignor to Metal Cap and Machine Corporation, Syracuse, N. Y. Capping machine. 2,237,614; Apr. 8.

Persons, Lawrence M., St. Louis County, assignor to Automatic Control Corporation, St. Louis, Mo. Control system. 2,237,574; Apr. 8.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Tone keyer with common source of energy. 2,237,631; Apr. 8.

Petschenig, Karl, assignor to Österr. Ung. Optische Anstalt C. P. Goerz Gesellschaft m. b. H., Vienna, Austria. Device for the mechanical determination of firing data for firing at moving targets. 2,237,613; Apr. 8.

Pharma Chemical Corporation. (See Markush, E. A., and Mayzner, assignors.)

Philco Corporation. (See Peltier, F. D., and Schmidt, assignors.)

Philco Corporation. (See Smith, Lawrence C., assignor.)

Phillips, Jacob H., assignor of ten percent to L. E. Eichel, and forty five percent to C. A. Mayer, Cincinnati, Ohio. Tractionally operated ladder. 2,237,688; Apr. 8.

Phillips Petroleum Company. (See Carney, Samuel C., assignor.)

Phillips Petroleum Company. (See Crites, W. J., and Murphy, assignors.)

Philmus Bros. and Sobel. (See Hummel, Frederick H., assignor.)

Piggott, Henry A. (See Baldwin, A. W., Piggott, and Statham.)

Pineo, Orrin W., Milo, Maine, assignor to American Cyanamid Company, New York, N. Y. Direct current amplifier. 2,237,950; Apr. 8.

Pitney-Bowes Postage Meter Company. (See Nilsson, Robert S., assignor.)

Plaskon Company. (See Balz, Emil H., assignor.)

Plaskon Company. (See Simons, John K., assignor.)

Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Welding equipment. 2,237,747; Apr. 8.

Pointer, Robert W., assignor of one-half to Willamette Iron & Steel Corporation, Portland, Oreg. Trailer construction. 2,238,001; Apr. 8.

Pointer, Robert W., assignor of one-half to Willamette Iron & Steel Corporation, Portland, Oreg. Cushion seat for trailer axles. 2,238,002; Apr. 8.

Poland, William R., and O. D. Moyer, Indianapolis, Ind.; said Moyer assignor to said Poland. Automobile head puller. 2,237,913; Apr. 8.

Polaroid Corporation. (See Land, Edwin H., assignor.)

Polymerization Process Corporation, The. (See Layng, Edwin T., assignor.)

Poor & Company. (See Backes, Edward W., assignor.)

Poor & Company. (See Overinier, E., Rodman, and Bates, assignors.)

Porsche, F., Dr. Ing., h. c., K. G. (See Kales, Josef, assignor.)

Posnack, Emanuel R., New York, N. Y. Holder for writing paraphernalia. 2,237,532; Apr. 8.

Potter, Charles R. (See Parsons, L., and Potter.)

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Motor control and phasing. 2,237,951; Apr. 8.

Poynter, James R., League City, assignor of one-half to J. S. and W. Y. Jackson, Brazoria County, Tex. Tray rack. 2,237,361; Apr. 8.

Pratt, Elmer J., Chicago, Ill. Filtering device. 2,237,766; Apr. 8.

Prazen, Frank, Price, Utah. Equalizing device. 2,237,972; Apr. 8.

Price, Robert E., and I. E. Knapp, assignors to Crosby Naval Stores, Incorporated, Picayune, Miss. Making lime rosin. 2,237,973; Apr. 8.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electric circuit breaker. 2,238,027; Apr. 8.

Prutton, Carl F., Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Treating well bore walls. 2,237,313; Apr. 8.

Puening, Franz, Claygate, England. Carbonization apparatus. 2,237,689; Apr. 8.

Purvis, Judson A., Chicago, Ill. Wheel balancing device. 2,237,501; Apr. 8.

Pyro Products Corporation. (See Hinsky, Anthony P., assignor.)

Quartullo, Orpheus F., Shaker Heights, Ohio. Resilient torsion spring suspension. 2,237,575; Apr. 8.

Queneau, Paul E., Copper Cliff, Ontario, Canada, and A. M. Hall, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Making cadmized bearings. 2,237,314; Apr. 8.

Rader, Orwell C., Kansas City, Mo. Musician's stand. 2,237,914; Apr. 8.

Radio Corporation of America. (See Bedford, A. V., and Magnusson, assignors.)

Radio Corporation of America. (See Burnside, Don G., assignor.)

Radio Corporation of America. (See Carter, Philip S., assignor.)

Radio Corporation of America. (See Clark, Gilbert R., assignor.)

Radio Corporation of America. (See Compton, Robin D., assignor.)

Radio Corporation of America. (See Dimmick, Glenn L., assignor.)

Radio Corporation of America. (See Dow, O. E., and Lindenblad, assignors.)

Radio Corporation of America. (See Ferris, Warren R., assignor.)

Radio Corporation of America. (See Foster, Dudley E., assignor.)

Radio Corporation of America. (See Haeff, Andrew V., assignor.)

Radio Corporation of America. (See Landis, Daniel O., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Radio Corporation of America. (See Spencer, James A., assignor.)

Radio Corporation of America. (See Tellegen, Bernardus D. H., assignor.)

Radio Corporation of America. (See Vance, Arthur W., assignor.)

Radio Corporation of America. (See Whitaker, James N., assignor.)

Ragatz, Edward G., San Marino, assignor to Union Oil Company of California, Los Angeles, Calif. Detecting water and other volatiles. 2,237,824; Apr. 8.

Rakoczy, Leo, Detroit, Mich. Door closer. 2,237,576; Apr. 8.

Ralston, Anderson W., R. J. Vander Wal, and S. T. Bauer, assignors to Armour and Company, Chicago, Ill. Polymers of acylated cyclopentadienes. 2,237,825; Apr. 8.

Rand, James H., Jr., Stamford, Conn., assignor to Remington Rand, Inc., Buffalo, N. Y. Electric razor. 2,237,869; Apr. 8.

Randolph, Fred T. (See Collier, S., Randolph, and Collins.)

Ratchford, Raymond G. (See Spayd, M. A., and Ratchford.)

Ray, William A., Glendale, Calif. Manual reset valve. 2,237,577; Apr. 8.

Ray, William A., Glendale, Calif. Control circuit. 2,237,578; Apr. 8.

Rea, Newville F., Portland, Oreg. Weed gun. 2,237,447; Apr. 8.

Regan Forge & Engineering Company. (See Minor, Burt S., assignor.)

Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Coating filamentous articles with vinylidene chloride compositions. 2,237,315; Apr. 8.

Reinhard, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Overload protection for dynamic loud-speakers. 2,237,448; Apr. 8.

Remington Rand Inc. (See Bitner, Ralph E., assignor.)

Remington Rand Inc. (See Braun, Karl J., assignor.)

Remington Rand Inc. (See Landsiedel, Walter W., assignor.)

Remington Rand Inc. (See Lasker, William W.)

Remington Rand Inc. (See Pentecost, Arthur, assignor.)

Remington Rand, Inc. (See Rand, James H., Jr., assignor.)

Remington Rand Inc. (See Roggenstein, Edwin O., assignor.)

Remington Rand Inc. (See Smith, Charles E., assignor.)

Remington Rand Inc. (See Wolters, Carl F., assignor.)

Renfrew, Archibald. (See Evans, J. G., and Renfrew.)

Republic Steel Corporation. (See Darner, Frederic M., assignor.)

Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)

Resistoflex Corporation. (See Dangelmajer, C., and Peterls, assignors.)

Reynolds, Harry M., Columbus, Ohio. Spraying device. 2,237,842; Apr. 8.

Rhodes, Albert J., Lake Orion, assignor to American Forging & Socket Company, Pontiac, Mich. Adjustable supporting device. 2,237,843; Apr. 8.

Rickerman, John H., River Edge, assignor to Gasoline Products Company, Inc., Jersey City, N. J. Heating hydrocarbon fluids. 2,237,502; Apr. 8.

Rickert, Herman C., Chicago, Ill. Flame stabilizer for laboratory burners. 2,237,889; Apr. 8.

Ridgway, Frank B., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Washing threadlike structures. 2,237,844; Apr. 8.

Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Titanium carbide and making the same. 2,237,503; Apr. 8.

Rieman, Otto A., St. Louis, Mo. Electrical connector. 2,237,362; Apr. 8.

Ries, Herman E., Jr., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,237,632; Apr. 8.

Riker, Malcolm D., Detroit, Mich. Apparatus for embalming bodies. 2,237,633; Apr. 8.

Ritzerfeld, Wilhelm, and H. Fischer, Berlin, Germany; said Fischer assignor to said Ritzerfeld. Method of and apparatus for copying printed matter. 2,237,363; Apr. 8.

Roach, Vincent M. (See Lawlor, J. P., and Roach.)

Roath, Royce M., Earlville, Ill. Seed dispenser. 2,237,504; Apr. 8.

Roberts, Charles G., Easton, Pa. Universal work support. 2,237,615; Apr. 8.

Robic, Raymond A., Outremont, near Montreal, Quebec, Canada. Air conditioning apparatus. 2,237,690; Apr. 8.

Rochlingsche Eisen-und Stahlwerke Gesellschaft mit beschrankter Haftung. (See Hardt, Paul, assignor.)

Rodman, Thomas E. (See Overmier, E., Rodman, and Bates.)

Roedel, Max, assignor to F. X. Meiller, Maschinenfabrik & Wagenbauanstalt, Munich, Germany. Piston pump. 2,237,505; Apr. 8.

Rogers, Clifford R. (See Baker, D. B., Rogers, and Bechman.)

Rogers, Jay T., Indianapolis, Ind. Melting pot discharge assembly for type casting machines. 2,237,790; Apr. 8.

Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Electric motor. 2,237,868; Apr. 8.

Ronning, Adolph, Minneapolis, Minn. Light-sensitive relay system. 2,237,579; Apr. 8.

Roosenstein, Hans O., Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna system and feeder. 2,237,792; Apr. 8.

Rosaire, E. E. (See West, Samuel S., assignor.)

Rosaire, Einse E. (See Kilpsch, Paul W., assignor.)

Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Phenol modified resins and process for their preparation. 2,237,634; Apr. 8.

Ross, Adrian, E., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,237,727; Apr. 8.

Routson, Neal E., Lakewood, assignor to Lucien R. Gruss, Cleveland, Ohio. Shock absorber. 2,237,915; Apr. 8.

Rudd, Martin W., Fresno, Calif. Sponge. 2,237,793; Apr. 8.

Rusche, William I., Cincinnati, Ohio. Warning signal. 2,237,607; Apr. 8.

Rush, Turner C., Lexington, Ky. Golf practicing device. 2,237,608; Apr. 8.

Russell, Howard W., assignor to Battelle Memorial Institute, Columbus, Ohio. Optical pyrometer. 2,237,713; Apr. 8.

Ruths, Robert J., Baltimore, Md. Bearing structure. 2,237,816; Apr. 8.

Ryan, George F., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Clicking machine. 2,237,449; Apr. 8.

Saarinen, Armas J. (See Brubaker, W. S., and Saarinen.)

Sabins, Rolland C., Wisconsin Rapids, Wis. Water heater construction. 2,237,890; Apr. 8.

Sabo, Louis, assignor to Delman Inc., New York, N. Y. Heel retaining means for shoes. 2,237,317; Apr. 8.

Sachsische Textilmaschinenfabrik vorm. Rich. Hartmann Aktiengesellschaft. (See Schmitt, Karl J., assignor.)

Sackner, Wade E., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Edging. 2,237,580; Apr. 8.

Safety Car Heating & Lighting Company, The. (See Strobell, John D., assignor.)

Salsbury Corporation. (See Lewis, Howard B., assignor.)

Samcoe Holding Corporation. (See Cohn, S., and Walter, assignors.)

Sample, Fleck W., Forest Hills, assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Countersink. 2,237,450; Apr. 8.

Samson Cordage Works. (See Wright, William C., assignor.)

Samuels, Abe O., and M. W. Humphreys, Rochester, assignors, by mesne assignments, to Seaboard Commercial Corporation, New York, N. Y. Heating and ventilating apparatus for automobiles. 2,237,452; Apr. 8.

Samuels, Abe O., Rochester, assignor, by mesne assignments, to Seaboard Commercial Corporation, New York, N. Y. Fan construction. 2,237,451; Apr. 8.

Saxe, Walter E., Alhambra, assignor to The Conveyor Company, Los Angeles, Calif. Pulp dehydrator. 2,237,635; Apr. 8.

Scheibli, James R. (See Evans, T. W., and Scheibli.)

Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Weight recording mechanism for dump cars. 2,237,845; Apr. 8.

Schenk, Vincent L., St. Joseph, Mo. Nut cluster forming and coating device. 2,237,846; Apr. 8.

Schering Corporation. (See Butenandt, Adolf, assignor.)

Schiessler, Fred J., Cumberland, Md., assignor to Celanese Corporation of America. Long draft spinning. 2,237,364; Apr. 8.

Schlack, Paul, Berlin-Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of oximes. 2,237,365; Apr. 8.

Schlatter, Moses, Los Angeles, Calif. Waler dog and clamp. 2,237,366; Apr. 8.

Schlitz, Jos., Brewing Company. (See Hinkel, William, assignor.)

Schlumberger Well Surveying Corporation. (See Doll, Henri G., assignor.)

Schmidt, Karl F. (See Peltier, F. D., and Schmidt.)

Schmitt, Karl J., assignor to Sachsische Textilmaschinenfabrik vorm. Rich. Hartmann Aktiengesellschaft, Chemnitz, Germany. Combing machine with reciprocating feed grid for wool, cotton, and the like. 2,237,714; Apr. 8.

Schmutzer, Charles, Irvington, assignor to Hoffman Beverage Company, Newark, N. J. Purging air from carbonated beverage containers. 2,237,637; Apr. 8.

Schmutzer, Charles, Irvington, assignor to Hoffman Beverage company, Newark, N. J. Method and apparatus for purging air from receptacles. 2,237,636; Apr. 8.

Schneider, John P. (See Berchem, H. C., and Schneider.)

Schott, Lionel, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Registering system. 2,237,767; Apr. 8.

Schwarz, Karl, and H. Freese, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Electric motor mounting. 2,237,916; Apr. 8.

Schwarzenzer, Alexander, Roseville, Mich. Skill device. 2,237,748; Apr. 8.

Schwinn, Frank W., Chicago, Ill. Brake lever for bicycles. 2,237,581; Apr. 8.

Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switchboard. 2,237,367; Apr. 8.

Scudi, John Vincent, New York, N. Y., assignor to E. I du Pont de Nemours & Company, Wilmington, Del. Production of azo colors. 2,237,768; Apr. 8.

Seaboard Commercial Corporation. (See Samuels, Abe O., assignor.)

Seaboard Commercial Corporation. (See Samuels, A. O., and Humphreys, assignors.)

Seitzman, Julius, New York, N. Y., and B. Seitzman, Richmond, Va. Convertible garment. 2,237,368; Apr. 8.

Seitzman, Benjamin. (See Seitzman, Julius and B.)

Sellers, William D., Glen Ellyn, assignor to Western Railroad Supply Company, Chicago, Ill. Apparatus for the control of highway crossing signals. 2,237,391; Apr. 8.

Sendzimir, Tadeusz, Paris, France, assignor to The American Rolling Mill Company, Middletown, Ohio. Device for reducing sheet metal. 2,237,794; Apr. 8.

Severle, Wilhelm, Waldenbronn, near Esslingen-on-the-Neckar, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Rear engine vehicle. 2,237,369; Apr. 8.

Shackleton, Jack, London, England, assignor to American Machine & Foundry Company, New York, N. Y. Application of sections of material to running webs. 2,237,917; Apr. 8.

Sharples Corporation, The. (See Jones, Leo D., assignor.)

Sharples Solvents Corporation. (See Olin, John F., assignor.)

Shaw, William A., Los Angeles, and A. O. A. Hodge, Hermosa Beach, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Rotary swivel. 2,237,715; Apr. 8.

Sheaffer, John E., Louisville, Ky. Matrix grinding and marking machine. 2,237,506; Apr. 8.

Shekter, Abraham J., Jamaica, N. Y. Fish rod scale. 2,237,370; Apr. 8.

Shell Development Company. (See Deanesly, R. M., assignor.)

Shell Development Company. (See Downey, Bernard M., assignor.)

Shell Development Company. (See Evans, T. W., and Scheibli, assignors.)

Shellmar Products Company. (See Gilfillan, Paul M., assignor.)

Shellmar Products Company. (See Gurwick, Irving, assignor.)

Sherman, John Q. (See Spayd, M. A., and Ratchford, assignors.)

Sherwin-Williams Co., The. (See Marlenthal, Paul, assignor.)

Sherwood, Frederick W. (See Buck, E. L., and Sherwood.)

Shipley, Calvin W., Hammond, assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 2,237,891; Apr. 8.

Showa Sangyo Kabushiki Kaisha. (See Kajita, T., and Inoue, assignors.)

Shreffler, Elwyne O., Manteno, Ill. Silencer for gear shift levers and rods. 2,237,507; Apr. 8.

Shroyer, Jacob L., Oak Park, assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Electric range. 2,237,795; Apr. 8.

Shure Brothers. (See Baumzweiger, Benjamin, assignor.)

Shure, Francis, trustee, et al. (See Baumzweiger, Benjamin, assignor.)

Shure, S. N., trustee, et al. (See Baumzweiger, Benjamin, assignor.)
Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanization of rubber. 2,237,760; Apr. 8.
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Ernat, Gert, assignor.)
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Tiebel, Hans W., assignor.)
Signal-Air Company, The. (See Francisco, John D., assignor.)
Simmonds Development Corporation Limited. (See Dyer, Jack V., assignor.)
Simon, Johann, Saarbrucken, Germany. Crushing device for coal crushing machines. 2,237,749; Apr. 8.
Simons, Abraham, New York, N. Y. Wire drawing apparatus. 2,237,371; Apr. 8.
Simons, John K., Dormont, Pa., assignor to Flaskon Company, Inc., Toledo, Ohio. Preparation of sulphanilamide. 2,237,372; Apr. 8.
Simpson, Herbert S. (See Christensen, A. C., and Castor, assignors.)
Sinclair, Harold, Kensington, London, England. Reversing mechanism. 2,237,373; Apr. 8.
Sinclair Refining Company. (See Ries, Herman E., Jr., assignor.)
Sinclair, Roy, assignor of one-third to R. H. Maurice, New York, N. Y. Thread removal attachment for recording mechanisms. 2,237,638; Apr. 8.
Sines, George W. (See Benbow, J. D., and Sines.)
Sinkovitz, Joseph, Brentwood, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Register means for printing presses and application thereof. 2,237,453; Apr. 8.
Skivesen, Nils K. (See Eksergian, R., Horton, Harwick, and Skivesen.)
Slawski, Stephen F., Los Angeles, Calif. Ironing board supporting fixture. 2,237,454; Apr. 8.
Slawski, Stephen F., Culver City, Calif. Folding ironing board. 2,237,455; Apr. 8.
Smit, William. (See Grimsted, Percy A., assignor.)
Smith, Allan K., assignor to The Institute of Paper Chemistry, Appleton, Wis. Paper filler. 2,237,374; Apr. 8.
Smith, Charles E., Tonawanda, assignor to Remington Rand Inc., New York, N. Y. Typewriting and like machines. 2,237,770; Apr. 8.
Smith, Charles F., Martins Ferry, Ohio. Leakproof cover and ring seal. 2,237,952; Apr. 8.
Smith, Emerson S., Ravenna, Ohio. Apparatus for marking rubber articles. 2,237,582; Apr. 8.
Smith, Ethelyn J., Elyria, Ohio. Cosmetic applicator. 2,237,847; Apr. 8.
Smith, James F., assignor to The Union Chain and Manufacturing Company, Sandusky, Ohio. Oil well rig. 2,237,394; Apr. 8.
Smith, John H., Jr., Columbus, Ohio. Bomb catapult. 2,237,848; Apr. 8.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,237,616; Apr. 8.
Smith, Lawrence C., Lyons, N. Y., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerant evaporator. 2,237,508; Apr. 8.
Smith, Louis J. (See Johnson, M., and Smith.)
Smith, Oscar L., Atmore, Ala. Fertilizer distributor and the like. 2,237,849; Apr. 8.
Smith, Richard L., Schenectady, N. Y., assignor to General Electric Company. Mixer circuit. 2,237,796; Apr. 8.
Smith, William J., Highland Park, N. J. Plaster cutter. 2,237,870; Apr. 8.
Smoot, John A. (See Grimm, F., and Smoot.)
Snow, Lester R., assignor to J. H. Winn's Sons, Winchester, Mass. Dial hand for radio receivers and the like. 2,237,797; Apr. 8.
Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Direct acting friction shock absorber. 2,237,318; Apr. 8.
Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Shock absorber and mounting therefor. 2,237,319; Apr. 8.
Societe of Chemical Industry in Basle. (See Graenacher, C., and Matter, assignors.)
Solakian, Halg. (See Holden, A. F., and Solakian.)
Spaulding, Ralph E., assignor to Aetna Iron & Steel Co., Jacksonville, Fla. Treating welds and product. 2,237,716; Apr. 8.
Spayd, Milford A., and R. G. Ratchford, assignors to J. Q. Sherman, Dayton, Ohio. Strip breaking machine. 2,237,320; Apr. 8.
Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Secrecy and motor control device. 2,237,533; Apr. 8.
Spencer, Rolf E. (See Blumlein, A. D., and Spencer.)
Spiro, Benjamin E. (See Baskerville, R. J., and Spiro.)
Spoljarich, John, Palmesdale, Mich. Goggles attachment for hats or caps. 2,237,639; Apr. 8.
Spong, Norman C. (See Burson, Harry H., assignor.)
Squire, Jacob, Astoria, Long Island, N. Y. Sock lining. 2,237,892; Apr. 8.
Stambaugh, Harry J., Jr., assignor to Burlington Steel Company, Limited, Hamilton, Ontario, Canada. Highway reflector mounting. 2,237,456; Apr. 8.
Standard Car Truck Company. (See Webb, Edwin W., assignor.)
Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)
Standard Oil Company of California. (See Humphreys, Robert L., assignor.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Railway Refrigerator Company. (See Bonsall, Charles D., assignor.)
Standard Stoker Company, The. (See Ketchpel, Paul A., assignor.)
Statham, Francis S. (See Baldwin, A. W., Piggott, and Statham.)
Steuer, Harry M., assignor to Borg-Warner Corporation, Chicago, Ill. Filler wire supply means. 2,237,375; Apr. 8.
Stevenson, Winfield W., Somers Point, N. J. Window casing. 2,237,609; Apr. 8.
Stewart, Alvin J. (See Stewart, Lory B. and A. J.)
Stewart, Gilbert D., Detroit, Mich., assignor to Ex-Cell-O Corporation. Tool spindle. 2,237,692; Apr. 8.
Stewart, Lory B., deceased (M. M. and W. F. Stewart, executors), and A. J. Stewart, Falconer, assignors of one-third to K. L. Thielscher, Buffalo, N. Y. Insulator structure. 2,237,717; Apr. 8.
Stewart, Marian M., et al., executor. (See Stewart, L. B. and A. J.)
Stewart, William F., et al., executor. (See Stewart,
Stoble, John A., Malta Bend, assignor of one-half to E. B. Young, Kansas City, Mo. Venetian blind. 2,237,850; Apr. 8.
Stone, Earll R., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Stoker drive. 2,237,871; Apr. 8.
Strang, Le Roy M. (See Von Bon Horst, E., and Strang.)
Straub, Francis J., New Kensington, Pa. Manufacture of building blocks. 2,237,691; Apr. 8.
Strauss, Levi, and Company. (See Grunbaum, Milton, assignor.)
Straw, Robert C. (See Lohr, R. J., and Straw.)
Strelow, Henry A. (See Frentzel, H. C., Jr., and Strelow.)
Strobell, John D., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Ventilating apparatus. 2,237,771; Apr. 8.
Strong, Lawrence D., Chicago, Ill. Electric changeover. 2,237,376; Apr. 8.
Sturdy-Built Equipment Corporation. (See Dostal, John R., assignor.)
Swearingen, Clair V., Chattanooga, Tenn. Treating fluid. 2,237,851; Apr. 8.
Sweet, Ralph M., Salida, Colo. Gun sight. 2,237,395; Apr. 8.
T. & P. Optical Mfg. Co. (See Krodel, William, assignor.)
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake. 2,237,509; Apr. 8.
Talley, Thomas J., 3rd. (See Landenberg, C. F., and Talley.)
Tankersley, James A., assignor to Heat Treating Incorporated, Indianapolis, Ind. Hammer-mill hammer. 2,237,510; Apr. 8.
Tanning Process Company. (See Edgar, David, assignor.)
Tautz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Variable speed transmission. 2,237,511; Apr. 8.
Taylor, Edward C., Longmeadow, assignor to W. Bradford, Taunton, Mass. Three-heat pad. 2,237,852; Apr. 8.
Taylor, Humphrey G., Lower Penn, near Wolverhampton, England. Suspension and releasing of ships' boats from davits. 2,237,512; Apr. 8.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Brück, Lothar, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hermann, Dietrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Geiger, M., and Urtel, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Grassnick, F., Kannwitz, and Tiebe, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Moser, Wilhelm, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Reinhard, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schwarz, K., and Freese, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ulbricht, Günther, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Teletype Corporation. (See Thienemann, Rolf A., assignor.)
Tellegen, Bernardus D. H., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Aperiodic disturbance suppression circuits. 2,237,457; Apr. 8.
Thayer, Fred, Seattle, Wash. Nail driving and setting machine. 2,237,458; Apr. 8.

Thielscher, Karl L. (See Stewart, Lory B. and A. J., assignors.)
Thienemann, Rolf A., assignor to Teletype Corporation, Chicago, Ill. Assembled gauge. 2,237,378; Apr. 8.
Thierfelder, Hans, and E. Dietz, Auerbach i. Erzg, Germany. Full-fashioned stocking. 2,237,893; Apr. 8.
Thomas, Percy W., Wichita, Kans. Tempering machine for wheat or other grain. 2,237,798; Apr. 8.
Thompson, Henry C., and A. De Stefano, Bogota, N. J., assignors to Bergen Plastics, Inc. Holder for condiments and like substances. 2,237,718; Apr. 8.
Thompson, Howard A. (See Allen, E. M., and Thompson.)
Thompson Products, Inc. (See Snyder, Jacob R., assignor.)
Thompson, Ralph B., assignor to Universal Oil Products Company, Chicago, Ill. Polymerization of olefins. 2,237,459–60; Apr. 8.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Emergency valve. 2,237,377; Apr. 8.
Tiebe, Willi. (See Grassnick, F., Kannwitz, and Tiebe.)
Tiebel, Hans W., Berlin-Spandau, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Disengaging means for automatic control systems for aircraft. 2,237,719; Apr. 8.
Timko, Paul, Chicago, Ill. Stand. 2,237,513; Apr. 8.
Tokheim, John J., Cedar Rapids, Iowa. Liquid level gauge equipment. 2,237,461; Apr. 8.
Tokheim, John J., Cedar Rapids, Iowa. Liquid level gauge equipment. 2,237,462; Apr. 8.
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Trantin, Jacob, Jr., Youngstown, Ohio. Alloy. 2,237,379; Apr. 8.
Trede, Hans, Kassel-Wilhelmshohe, Germany. Header connection. 2,237,617; Apr. 8.
Treptow, George R., Chicago, Ill., and C. E. Fabian, Youngstown, assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,237,380; Apr. 8.
Troche, Herman J., assignor to American Coach & Body Company, Cleveland, Ohio. Ladder clamp. 2,237,853; Apr. 8.
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Airplane propeller paperweight and letter opener. 2,237,463; Apr. 8.
Trydal, Nils. (See Breman, F. J., and Trydal.)
Tube Industrial Participation Limited. (See Korbuly, Károly, assignor.)
Twitchett, Harry J., Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of azo pigments. 2,237,772; Apr. 8.
Tyrner, Joseph, Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Automatic control apparatus for direct-current arc welding. 2,237,894; Apr. 8.
Ulbricht, Günther, Blankenfelde Mahlow, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Impulse direction-finding receiver. 2,237,895; Apr. 8.
Union Chain and Manufacturing Company, The. (See Smith, James F., assignor.)
Union Machinery Company. (See Marasso, Fred, assignor.)
Union Oil Company of California. (See Bailey, J. R., and Key, assignors.)
Union Oil Company of California. (See Bailey, J. R., and Mahan, assignors.)
Union Oil Company of California. (See McLennan, Lester W., assignor.)
Union Oil Company of California. (See Merrill, David R., assignor.)
Union Oil Company of California. (See Ragatz, Edward G., assignor.)
Union Starch and Refining Company. (See King, P. R., and Baker, assignors.)
Union Switch & Signal Company, The. (See Allen, E. M., and Thompson, assignors.)
Union Switch & Signal Company, The. (See Allen, E. M., and Young, assignors.)
Union Switch & Signal Company, The. (See Nicholson, F. H., and Allison, assignors.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
United Aircraft Corporation. (See Caldwell, Frank W., assignor.)
United Shoe Machinery Corporation. (See Fredericksen, James P., assignor.)
United Shoe Machinery Corporation. (See Jalbert, Adrien L., assignor.)
United Shoe Machinery Corporation. (See James, Cyril H., assignor.)
United Shoe Machinery Corporation. (See Ryan, George F., assignor.)
United Stateos Gypsum Company. (See Duncan, James K., assignor.)
United States Gypsum Company. (See Johnson, Fred G., assignor.)
Universal Oil Products Company. (See Day, Roland B., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Thompson, Ralph B., assignor.)
Urtel, Rudolf. (See Geiger, M., and Urtel.)
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television system. 2,237,640.; Apr. 8.
Van Buren, John, Brooklyn, N. Y. Press. 2,237,918; Apr. 8.
Vance, Arthur W., Haddonfield, N. J., assignor to Radio Corporation of America. Electronic device. 2,237,896; Apr. 8.
Van der Clute, William W., Elizabeth, N. J. Fishing lure. 2,237,534; Apr. 8.
Vander Wal, Robert J. (See Ralston, A. W., Vander Wal, and Bauer.)
Van Nest, Francis H., Saugus, Mass., assignor to General Electric Company. Hydraulic governing machinism. 2,237,799; Apr. 8.
Van Raalte Company. (See Carlson, Ellsworth E., assignor.)
Van Voorhis, William G., R. N. Bennett, and C. L. George, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio. Trenching machine. 2,237,773; Apr. 8.
Vaughan Novelty Mfg. Co. Inc. (See Fender, F. E., and Wille, assignors.)
Vassallo, Peter, Avalon, N. J. Closure. 2,237,396; Apr. 8.
Veale, Leo C. (See Hoop, W., and Veale.)
Vida, Koloman, Flint, Mich. Jar holder. 2,237,397; Apr. 8.
Von Bon Horst, Earl, and L. M. Strang, San Clemente, Calif. Sanitary drain pipe cleaner. 2,237,880; Apr. 8.
Van Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Controlling means for adhesive applying apparatus. 2,237,641; Apr. 8.
Voorhies, Carl, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Compensating hydraulic valve tappet for internal combustion engines. 2,237,854; Apr. 8.
Vos, George W., New Rochelle, N. Y. Foldable sheet material cutouts. 2,237,897; Apr. 8.
Waddell, Benson F., Jackson Heights, N. Y., assignor to The Wilcolator Company, Newark, N. J. Temperature regulator. 2,237,720; Apr. 8.
Waddell, Benson F., assignor to The Wilcolator Company, Newark, N. J. Regulator. 2,237,398; Apr. 8.
Waddell, Benson F., assignor to The Wilcolator Company, Newark, N. J. Regulator. 2,237,399; Apr. 8.
Wahl, Frederick G., assignor of one-half to G. M. Evans, Detroit, Mich. Making welded connections for sheet metal articles. 2,237,535; Apr. 8.
Wainwright, John E., Coventry, England. Apparatus for forming or dressing the operative surface of grinding wheels. 2,237,977; Apr. 8.
Wainwright, John E., assignor to Coventry Gauge & Tool Company Limited, Coventry, England. Forming grinding wheels for use in grinding internal screw threads. 2,237,974; Apr. 8.
Wainwright, John E., assignor to Coventry Gauge & Tool Company Limited, Coventry, England. Apparatus for dressing or forming grinding wheels used for grinding or finishing gear teeth. 2,237,975; Apr. 8.
Wainwright, John E., assignor to Coventry Gauge & Tool Company Limited, Coventry, England. Apparatus for forming or dressing grinding wheels for use in form-grinding operations. 2,237,976; Apr. 8.
Walker, Victor. (See Beck, E. W., and Walker.)
Wall, Verner S., Mount Union, Pa. Pulverizer. 2,237,978; Apr. 8.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton retainer control for press boxes. 2,237,721; Apr. 8.
Wallace, Stanley, Chicago, Ill. Steam-generating flatiron. 2,237,381; Apr. 8.
Walter, Jules G. (See Cohn, S., and Walter.)
Wamser, Charles J., Milwaukee, Wis. Illuminateed display sign. 2,237,750; Apr. 8.
Warner, Stanley F. (See Hanson, A. N., and Warner.)
Washburn, Edgar, Baltimore, Md., assignor to Franklin Railway Supply Company, New York, N. Y. Power reverse gear. 2,237,400; Apr. 8.
Watson, George C., Denver, Colo. Spindle mounting for trucks. 2,237,855; Apr. 8.
Weatherford, William W., Arlington, Oreg. Choker knob. 2,237,618; Apr. 8.
Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Stabilized truck. 2,237,953; Apr. 3.
Webber, Owen T., Pittsburgh, Pa., assignor to Allegheny Ludlum Steel Corporation. Metallic blind. 2,237,800; Apr. 8.
Wells, George I., Jr., assignor of one-half to J. J. Dran, Yonkers, N. Y. Signal. 2,237,536; Apr. 8.
Werner, Frank C., Grand Rapids, Mich. Bench cooking machine. 2,237,642; Apr. 8.
Weschcke, Carl, St. Paul, Minn. Switch. 2,237,464; Apr. 8.
Wesley, Andrew, Plainfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Gasoline tanker resistant to penetration by corrosion. 2,237,321; Apr. 8.
Wesseler, William J. (See Heimann, Joseph V., assignor.)
West, John W., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance device. 2,237,323; Apr. 8.
West, Samuel S., assignor, by mesne assignments, to E. E. Rosaire, Houston, Tex. Subsurface prospecting. 2,237,643; Apr. 8.

West, Thomas M., Dorchester, Nebr. Clutch mechanism. 2,237,322; Apr. 8.
Western-Austin Company. (See Benbow, J. D., and Sines, assignors.)
Western Electric Company. (See Blount, H., and Edwards, assignors.)
Western Electric Company. (See Edwards, Karl C., assignor.)
Western Electric Company. (See Hanson, A. N., and Warner, assignors.)
Western Railroad Supply Company. (See Miskelly, Samuel, assignor.)
Western Railroad Supply Company. (See Sellers, William D., assignor.)
Western Railroad Supply Company. (See Whitehorn, Arthur R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gottlieb, Manious, assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stone, Earll R., assignor.)
Wharton, George C., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Tool blank. 2,237,722; Apr. 8.
Whitaker, James N., Tuckahoe, N. Y., assignor to Radio Corporation of America. Photo-radio system. 2,237,645; Apr. 8.
White, Sidney Y., New York, N. Y., assignor to V. S. Johnson, Chicago, Ill. Automatic resonance adjusting means. 2,237,514; Apr. 8.
Whitehorn, Arthur R., Downers Grove, assignor to Western Railroad Supply Company, Chicago, Ill. Apparatus for the control of highway crossing signals. 2,237,392; Apr. 8.
Whitehorn, Arthur R., Downers Grove, assignor to Western Railroad Supply Company, Chicago, Ill. Apparatus for the control of highway crossing signals. 2,237,393; Apr. 8.
Whitehouse, George T. (See Darsey, Lowndes A., assignor.)
Whipple, Henry, Woodside, Long Island, assignor to B. Goldstone, New York, N. Y. Burglar alarm. 2,237,644; Apr. 8.
Wickes Bros. (See Floeter, Frederick S., assignor.)
Wied, Julius P., East Cleveland, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Agitator drive mechanism. 2,237,919; Apr. 8.
Wilcolator Company, The. (See Waddell, Benson F., assignor.)
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wildon, Thomas D., Reading, assignor to F. K. Gulliow, Wakefield, Mass. Toy airplane and making the same. 2,237,693; Apr. 8.
Wilhide, Glenn C., Towson, Md., assignor to The Black & Decker Manufacturing Company. Electric tool. 2,237,646; Apr. 8.
Wilkinson, James W., Leicester, Mass., assignor to Fleming Manufacturing Company. Double mounted filter. 2,238,003; Apr. 8.
Willamette Iron & Steel Corporation. (See Pointer, Robert W., assignor.)
Willans, Kyrle W., Milton, England. Clutch mechanism for change speed and reversing gearing. 2,237,647; Apr. 8.
Wille, Carl I. (See Fender, F. E., and Wille.)
Williams, Allison R., Yazoo City, Miss. Line clamp. 2,237,619; Apr. 8.
Williams, Edwin A., Springfield, Pa., assignor to General Electric Company. Circuit breaker. 2,237,801; Apr. 8.
Williams, J. B., Company, The. (See Islieb, Erwin C., assignor.)
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Measuring instrument. 2,237,513; Apr. 8.
Wilmington Trust Company, executor. (See Carothers, Wallace H., assignor.)
Wilson & Bennett Manufacturing Company. (See Dale, Colin R., assignor.)
Wilson, William R., Minneapolis, Minn. Nasal filter and inhaler. 2,237,954; Apr. 8.
Wilson, William W., Los Angeles, Calif. Elevator. 2,237,856; Apr. 8.
Winderl, William R., Richland, Mont. Wind operated generator. 2,237,857; Apr. 8.
Winn's, J. H., Sons. (See Snow, Lester R., assignor.)
Wittke, Heinz, Hohen-Neuendorf, near Berlin, Germany, assignor to General Electric Company. Treating dry plate elements. 2,237,802; Apr. 8.
Wolf, Howard A., assignor to L. E. H. A., and W. L. Wolf, doing business as Wolf Brothers, Philadelphia, Pa. Paper bag. 2,237,324; Apr. 8.
Wolf Brothers. (See Wolf, Howard A., assignor.)
Wolf, Elias. (See Wolf, Howard A., assignor.)
Wolf, Louis. (See Wolf, Howard A., assignor.)
Wolf, Walter L. (See Wolf, Howard A., assignor.)
Wolters, Carl F., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Card index cabinet. 2,238,004; Apr. 8.
Wolters, Carl F., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Card index cabinet. 2,238,005; Apr. 8.
Wood, Maurice L., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Treating silicon copper-base alloys. 2,237,774; Apr. 8.
Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer composition. 2,237,826; Apr. 8.
Woodling, George V., Cleveland, Ohio. Stabilizer for vehicles. 2,237,382; Apr. 8.
Woods, George H., San Diego, and W. F. McCollough, Calexico, Calif. Combination plow, fertilizer, and fumigating apparatus. 2,237,775; Apr. 8.
Wright, William C., Granite Falls, N. C., assignor to Samson Cordage Works, Boston, Mass. Braiding machine. 2,237,858; Apr. 8.
Wurlitzer, Rudolph, Company, The. (See Osborne, F. H., and McCormick, assignors.)
Yeates, Percy M., and D. D. Jackson, Toronto, Ontario, Canada, assignors, by mesne assignments, to North American Containers, Inc., New York, N. Y. Method and means for making pouches. 2,237,537; Apr. 8.
Young, Elva B. (See Stobie, John A., assignor.)
Young, Fred M., Racine, Wis. Multiple unit jacket cooler. 2,237,516; Apr. 8.
Young, Henry S. (See Allen, E. M., and Young.)
Young, Leonard A. (See Oldham, John M., assignor.)
Youngstown Steel Door Company, The. (See Treptow, G. R., and Fablan, assignors.)
Zeiss Ikon Aktiengesellschaft. (See Nerwin, Hubert, assignor.)
Zenith Radio Corporation. (See McDonald, E. F., Jr., and Gustafson, assignors.)
Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Change gear retaining lock. 2,237,465; Apr. 8.
Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Support for adjustable change gear studs. 2,237,466; Apr. 8.
Zublin, John A., Los Angeles, Calif. Swedge. 2,237,538; Apr. 8.
Zunckel, Berthold, Osnabruck, Germany. Casting vessel. 2,237,723; Apr. 8.
Zysk, Stephen, Schenectady, N. Y., assignor to General Electric Company. Control means for gas filled cable. 2,237,803; Apr. 8.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air conditioning system for vehicles employing steam ejectors. C. M. Ashley. Re. 21,761; Apr. 8.
Adhesive sheeting. R. G. Drew. Re. 21,762; Apr. 8.
Antenna retracting mechanism, Radio. G. E. Irvin. Re. 21,764; Apr. 8.
Circuits, High frequency. G. W. Fyler. Re. 21,763; Apr. 8.
Controlling apparatus for strip feeding mechanism, Automatic. F. M. Littell. Re. 21,766; Apr. 8.
Nut, Sheet metal. G. A. Tinnerman. Re. 21,769; Apr. 8.
Solenold. W. A. Ray. Re. 21,767; Apr. 8.
Switch. C. G. Kronmiller. Re. 21,765; Apr. 8.
Telephone system. N. H. Saunders. Re. 21,768; Apr. 8.

LIST OF DESIGN INVENTIONS

Agitator, Washing machine. J. J. Gough. 126,454; Apr. 8.
Airplane. B. G. Eaton, Jr. 126,524; Apr. 8.
Anklet. A. Marum. 126,481; Apr. 8.
Badge or similar article, Service. M. Casey and M. E. Schuler. 126,376; Apr. 8.
Bag, Beach. T. Leser. 126,477; Apr. 8.
Barometer and thermometer, Combined. H. L. MacCowan. 126,368; Apr. 8.
Bottle. L. J. Colwell. 126,428; Apr. 8.
Bottle. W. S. Crisafulli. 126,429; Apr. 8
Bottle J. Payne. 126,514; Apr. 8.
Bottle, Glass. L. J. Kihn. 126,398; Apr. 8.
Bottle, Pourer. R. R. Hoffman. 126,395; Apr. 8.
Bracelet or the like. J. H. Bell. 126,425; Apr. 8.
Bracelet or similar article. V. Silson. 126,488; Apr. 8.
Bracket. B. J. Audette. 126,411; Apr. 8.
Bracket, Ironing board. S. F. Slawski. 126,441; Apr. 8.
Braid or similar article, Transparent. J. Fishman. 126,460; Apr. 8.
Brassière or the like. W. Rosenthal and C. M. Sachs. 126,442–3; Apr. 8.
Brooch or similar article. L. Mazer. 126,417–18; Apr. 8.
Brooch. F. Mosell. 126,403; Apr. 8.
Brooch. W. Regelmann. 126,405; Apr. 8.
Bumper and bumper guard or similar article, Combined. H. S. Jandus. 126,463; Apr. 8.
Bumper or similar article, Automobile. H. S. Jandus. 126,462; Apr. 8.
Cabinet. H. Richards. 126,407; Apr. 8.
Cabinet, Medicine. A. J. Danese. 126,522; Apr. 8.
Cabinet or the like, Radio. L. K. Franklin. 126,461; Apr. 8.
Cap, Attachment plug. L. Ludwig. 126,464; Apr. 8.
Cards, Deck of playing. G. Nussgruber. 126,404; Apr. 8.
Carrier, Bottle. E. W. Hutchings. 126,436; Apr. 8.
Chair. E. C. Booth. 126,426; Apr. 8
Case, Key. J. J. Calichio. 126,374; Apr. 8.
Chair. A. F. Fukal. 126,390; Apr. 8.
Clip, Pin A. Philippe. 126,482–4; Apr. 8.
Clip, Pin. V. Silson. 126,489; Apr. 8.
Clip, Pin. G. Verrecchio. 126,490; Apr. 8.
Coat. E. Breer. 126,458; Apr. 8.
Coat. A. Del Re. 126,527; Apr. 8.
Coat. M. Lynn. 126,479; Apr. 8.
Coat. G. Montell. 126,529; Apr. 8.
Coat. P. Rosensheln. 126,530; Apr. 8.
Coat. S. Sandhaus. 126,531; Apr. 8.
Coat. H. O. Wolk. 126,532; Apr. 8.
Container or similar article, Perfume. R. B. Karoff. 126,397; Apr. 8.
Cover and container for bath salts, Combined. R. B. Karoff. 126,415; Apr. 8.
Cover and utensil supporting structure for cook stove top burners, Combined. C. E. Parker. 126,420–2; Apr. 8.
Dress. V. Amen. 126,533; Apr. 8.
Dress. S. Ancell. 126,491; Apr. 8.
Dress. G. Andreé. 126,445; Apr. 8.
Dress or similar article. H. Beispel. 126,446–7; Apr. 8.
Dress. R. Bersano. 126,501–2; Apr. 8.
Dress. A. Bleich. 126,448; Apr. 8.
Dress ensemble. M. Carbotti. 126,503–4; Apr. 8.
Dress. N. D. Carson. 126,492; Apr. 8.
Dress ensemble W. Clion. 126,493; Apr. 8.
Dress ensemble. E. Cutler. 126,505; Apr. 8.
Dress. I. Doctor. 126,534; Apr. 8.
Dress. I. Doctor. 126,507; Apr. 8.
Dress ensemble. S. Elmo. 126,535; Apr. 8.
Dress. S. Faden. 126,450; Apr. 8.
Dress. S. Faden. 126,494; Apr. 8.
Dress. V. Gray. 126,472; Apr. 8.
Dress. M. Goodman. 126,452; Apr. 8.
Dress. E. Hüt. 126,509; Apr. 8.
Dress. L. Hoshaflan. 126,510; Apr. 8.
Dress. L. Hoshaflan. 126,538; Apr. 8.
Dress. B. Hurwitz. 126,511; Apr. 8.
Dress. S. Kay. 126,495; Apr. 8.
Dress. H. Kolbrener. 126,512; Apr. 8.
Dress. C. S. Lubow. 126,496–7; Apr. 8.
Dress G. Montell. 126,498–9; Apr. 8.
Dress. G. Montell. 126,513; Apr. 8.
Dress. G. Montell. 126,542; Apr. 8.
Dress. O. C. Nadel. 126,457; Apr. 8.
Dress. R. Payne. 126,515; Apr. 8.
Dress. B. Price. 126,516; Apr. 8.
Dress. A. Ruchman. 126,543–4; Apr. 8.
Dress. D. Schwartz. 126,487; Apr. 8.
Dress. H. Shaeter. 126,518; Apr. 8.
Dress. H. Troy. 126,500; Apr. 8.
Dress. J. Walker. 126,545; Apr. 8.
Dress. A. B. Weinberg. 126,520; Apr. 8.
Dress. A. B. Weinberg. 126,546–7; Apr. 8.
Dress ensemble or similar article. A. Florek. 126,451; Apr. 8.
Dress ensemble. E. Freeman. 126,536; Apr. 8.
Dress ensemble. S. Gopen. 126,471; Apr. 8.
Dress ensemble. M. Goodman. 126,453; Apr. 8.
Dress ensemble. M. Haon. 126,508; Apr. 8.
Dress ensemble. J. Herzog. 126,455; Apr. 8.
Dress ensemble. L. Katz. 126,539; Apr. 8.
Dress ensemble. B. Kornberg. 126,540; Apr. 8.
Dress or similar article. S. Richman. 126,517; Apr. 8.
Dress ensemble. S. Riesenberg. 126,486; Apr. 8.
Dress ensemble. H. Troy. 126,519; Apr. 8.
Fabric or similar article, Textile. H. Beispel. 126,521; Apr. 8.
Fabric or similar article, Woven cellophane and cotton. F. C. Green. 126,473; Apr. 8.
Fabric, Textile. I. Cummings. 126,377–8; Apr. 8.
Fabric, Textile. I. Cummings. 126,430; Apr. 8.
Fabric, Textile. R. Faller. 126,381–8; Apr. 8.
Fabric, Textile. R. Faller. 126,412–14; Apr. 8.
Fabric, Textile. R. Faller. 126,525–6; Apr. 8.
Fabric, Textile. A. Zimmerman. 126,410; Apr. 8.
Glass, Field. H. L. MacCowan. 126,480; Apr. 8.
Goblet or similar article. A. J. Cunningham. 126,360–5; Apr. 8.
Hairbrush. C. E. Dawson. 126,379; Apr. 8.
Holder, Candle. J. Weinstok. 126,444; Apr. 8.
Holder for toilet articles. A. C. Reid. 126,406; Apr. 8.
Incinerator P. O. Carter. 126,375; Apr. 8.
Jewelry component or the like. F. N. Lewis. 126,416; Apr. 8.
Jug and container, Combined. H. L. Brooks. 126,427; Apr. 8.
Lamp. F. May. 126,402; Apr. 8.
Lamp and radio receiving set, Combined. D. J. Crowley. 126,459; Apr. 8.
Lighting fixture, Fluorescent. J. F. Livers. 126,400; Apr. 8.
Marksmanship practicing apparatus. C. A. Schuyler. 126,423; Apr. 8.
Mask, Sun. J. M. Higersberger. 126,474; Apr. 8.
Mirror and compact, Combined. D. W. Dunberg. 126,449; Apr. 8.
Motorcycle. O. R. Courtney. 126,359; Apr. 8.
Necktie. G. W. French. 126,434; Apr. 8
Negligee. A. Macksoud. 126,541; Apr. 8.
Pad and visible record file, Combination desk. B. Lapper. 126,399; Apr. 8.
Panel unit, Radio control. W. P. Lear. 126,456; Apr. 8.
Picture machine, Coin operated motion. D. Heyer. 126,393; Apr. 8.
Pin or similar article, Brooch. W. W. Hobé. 126,475–6; Apr. 8.
Pin or similar article, Lapel. A. J. Jones. 126,396; Apr. 8.
Plate, Lighting fixture base. H. J. Graham. 126,392; Apr. 8.

Plate, Pie. G. H. Brown. 126,356; Apr. 8.
Plate or similar article. W. O. Prouty. 126,370; Apr. 8.
Playground apparatus, Children's. G. D. Harrison. 126,367; Apr. 8.
Receptacle for cigarettes and other articles. A. F. Reilly. 126,485; Apr. 8.
Redingote. E. Breer. 126,470; Apr. 8.
Ring, Finger. A. C. Braun. 126,373; Apr. 8.
Rack, Merchandise display. J. Trojan. 126,372; Apr. 8.
Rack for vending machines, Bottle. C. A. Melchert. 126,369; Apr. 8.
Sachet. L. M. Hartvig. 126,435; Apr. 8.
Sadiron or the like. R. L. Huffman. 126,437; Apr. 8.
Sadiron, Steam generating. R. I. Huffman. 126,438; Apr. 8.
Scarf, Fur. O. Klam. 126,439; Apr. 8.
Scarf, Fur. M. Sherwin. 126,440; Apr. 8.
Scissors. M. E. Trollen. 126,408; Apr. 8.
Screw, Socket head cap. C. S. Trott. 126,409; Apr. 8.
Seaplane. B. G. Eaton, Jr. 126,523; Apr. 8.
Shoe. A. Gebauer. 126,391; Apr. 8.
Shoe. W. Lipp and F. Hirsch. 126,478; Apr. 8.
Shirt or similar article, Man's. J. Brand. 126,469; Apr. 8.
Sifter, Flour. F. E. Collier. 126,358; Apr. 8.
Socket, Miniature electric lamp. J. Derry. 126,506; Apr. 8.
Spark plug. B. H. Sibley. 126,466–7; Apr. 8.
Spoon. C. H. W. Foster. 126,389; Apr. 8.
Spray head. E. W. Enthof. 126,433; Apr. 8.
Stand, Display. M. A. Mauro and F. J. Galante. 126,401; Apr. 8.
Stand, Telephone. J. Hirshfeld. 126,394; Apr. 8.
Stitcher, Tacking. A. M. O'Brien. 126,419; Apr. 8.
Stocking or similar article. C. S. Greenwald. 126,528; Apr. 8.
Stove. P. Wingert. 126,468; Apr. 8.
Strut and reversing rudder, Combination propellor shaft. A. J. Higgins. 126,537; Apr. 8.
Switch, Electric safety. R. A. Millermaster and C. B. Stevens. 126,465; Apr. 8.
Table, Lamp. J. W. Wilson. 126,548; Apr. 8.
Toy figure. I. E. Cohn. 126,357; Apr. 8.
Trimming, Dress. L. Beer and H. Stern. 126,424; Apr. 8.
Tube, Collapsible. D. Deakey. 126,431–2; Apr. 8.
Velocipede, Rocking-horse. H. S. Schnack. 126,371; Apr. 8.
Vending machine. W. B. Green. 126,366; Apr. 8.
Watch. M. Didisheim. 126,380; Apr. 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetylene polymerization, Catalytic process for. M. Lange. 2,237,353; Apr. 8.
Agitator muller. A. C. Christensen and B. Castor. 2,237,957; Apr. 8.
Air conditioner for automobiles. W. T. Munford. 2,237,407; Apr. 8.
Air conditioning apparatus. R. A. Robic. 2,237,690; Apr. 8.
Air conditioning method and means. W. H. Bretzlaff. 2,237,332; Apr. 8.
Air conditioning system. G. D. Bower. 2,237,300; Apr. 8.
Air conditioning system. C. W. Nessell. 2,238,000; Apr. 8.
Air from carbonated beverage containers, Purging. C. Schmutzer. 2,237,637; Apr. 8.
Air from receptacles, Method and apparatus for purging. C. Schmutzer. 2,237,636; Apr. 8.
Air impelling apparatus, Segregated pressure. W. H. Bretzlaff and C. P. Grimes. 2,237,333; Apr. 8.
Alarm, Burglar. H. Whipple. 2,237,644; Apr. 8.
Alloy. J. Trantin, Jr. 2,237,379; Apr. 8.
Alloys, Treating silicon copper-base. M. L. Wood. 2,237,774; Apr. 8.
Amides, Manufacture of substituted. A. W. Balwin, H. A. Piggott, and F. S. Statham. 2,237,296; Apr. 8.
Amplifier, Direct current. O. W. Pineo. 2,237,950; Apr. 8.
Angle-of-attack indicator. M. J. Hood. 2,237,306; Apr. 8.
Antenna. W. Moser. 2,237,765; Apr. 8.
Antenna array, Wide band. P. S. Carter. 2,237,779; Apr. 8.
Antenna, Radio. A. H. Jackson. 2,237,936; Apr. 8.
Antenna, Short wave. P. S. Carter. 2,237,778; Apr. 8.
Antenna switch. F. Grasnick, F. Kannwitz, and W. Tiebe. 2,237,426; Apr. 8.
Antenna system and feeder. H. O. Roosenstein. 2,237,792; Apr. 8.
Antiskid attachment for shoes. R. L. Cox. 2,237,549; Apr. 8.
Apparatus for and method of classifying or separating fluid-borne materials. H. V. Kapp. 2,237,603; Apr. 8.
Apparatus for cracking hydrocarbons. L. de Florez. 2,237,339; Apr. 8.
Apparatus for dressing or forming grinding wheels used for grinding or finishing gear teeth. J. E. Wainwright. 2,237,975; Apr. 8.
Apparatus for embalming bodies. M. D. Riker. 2,237,633; Apr. 8.
Apparatus for fluid control. E. E. Cline. 2,237,476; Apr. 8.
Apparatus for forming or dressing grinding wheels for use in form-grinding operations. J. E. Wainwright. 2,237,976; Apr. 8.
Apparatus for forming or dressing the operative surface of grinding wheels. J. E. Wainwright. 2,237,977; Apr. 8.
Apparatus for heat treating articles. H. Blount and K. C. Edwards. 2,237,648; Apr. 8.
Apparatus for heat treating articles. K. C. Edwards. 2,237,659; Apr. 8.
Apparatus for marking rubber articles. E. S. Smith. 2,237,582; Apr. 8.
Apparatus for measuring acceleration. J. F. Barry. 2,237,326; Apr. 8.
Apparatus for setting up concrete forms. P. L. Moccia. 2,237,997; Apr. 8.
Apparatus for the control of highway crossing signals. S. Miskelly. 2,237,390; Apr. 8.
Apparatus for the control of highway crossing signals. W. D. Sellers. 2,237,391; Apr. 8.
Apparatus for the control of highway crossing signals. A. R. Whitehorn. 2,237,392–3; Apr. 8.
Apparatus for use in antiglare devices employing polarized light. E. H. Land. 2,237,565; Apr. 8.
Apparatus for washing perforations. C. C. Myracle. 2,237,612; Apr. 8.
Applying machine. F. C. A. Ott. 2,237,359; Apr. 8.
Areaway construction. H. T. Keyes. 2,237,564; Apr. 8.
Articles with vinylidene chloride compositions, Coating filamentous. J. H. Reilly. 2,237,315; Apr. 8.
Asphalt, Grease containing. L. W. McLennan. 2,237,682; Apr. 8.
Assembled gauge. R. A. Thienemann. 2,237,378; Apr. 8.
Attachment for hats or caps, Goggles. J. Spoljarich. 2,237,639; Apr. 8.
Audio feedback circuit. L. Brück. 2,237,407; Apr. 8.
Automobile head puller. W. R. Poland and O. D. Moyer. 2,237,913; Apr. 8.
Bag: *See*—
Paper bag. Vacuum cleaner bag.
Temperature controlling bag.
Bags, Method of and apparatus for making. R. M. Bell. 2,237,327; Apr. 8.
Bailer. R. Parr. 2,237,686; Apr. 8.
Bait carrier and hook, Trolling and casting. H. L. Ludwig. 2,237,389; Apr. 8.
Bake oven. R. P. Bolling. 2,237,519; Apr. 8.
Balancing system, Automatic. G. C. Cummings. 2,237,929; Apr. 8.
Baler for sheet metal or the like. J. N. Miller. 2,237,839; Apr. 8.
Bars, Producing splice. E. W. Backes. 2,237,286; Apr. 8.
Barge, Drilling. W. J. Crites and P. C. Murphy. 2,237,387; Apr. 8.
Baseball game. H. Johnson. 2,237,351; Apr. 8.
Basket, Display. E. C. Isllieb. 2,237,706; Apr. 8.
Bath apparatus, Therapeutic. F. W. Ille. 2,237,435; Apr. 8.
Bath, Heat treatment. A. F. Holden and H. Solakian. 2,237,434; Apr. 8.
Bearing structure. R. J. Ruths. 2,237,316; Apr. 8.
Bearings, Making cadmized. P. E. Queneau and A. M. Hall. 2,237,314; Apr. 8.
Bench, Garden. R. Lund. 2,237,909; Apr. 8.
Blasting initiator, Electric. S. Handforth and C. R. Johnson. 2,237,932; Apr. 8.
Blind, Metallic. O. T. Webber. 2,237,800; Apr. 8.
Blowout preventer. E. O. Lowe. 2,237,709; Apr. 8.
Board: *See*—
Ironing board.
Bobbin and the like. G. B. Markle, Jr. 2,237,837; Apr. 8.
Bottle filling and cleaning device. P. R. Fechheimer. 2,237,699; Apr. 8.
Bottle washer carrier. J. R. Dostal. 2,237,756; Apr. 8.
Box: *See*—
Fiber box.
Bracelet construction. E. Haeffner. 2,237,931; Apr. 8.
Bracket for thread cleaners. J. Glet and H. Miedendorp, Jr. 2,237,664; Apr. 8.
Braiding machine. W. C. Wright. 2,237,858; Apr. 8.
Brake. L. Brisson. 2,237,650; Apr. 8.
Brake. C. E. Tack. 2,237,509; Apr. 8.
Brake lever for bicycles. F. W. Schwinn. 2,237,581; Apr. 8.
Brake releasing mechanism. L. A. Darsey. 2,237,587; Apr. 8.
Broaching machine. F. J. Lapointe. 2,237,760; Apr. 8.
Broaching machine for gears. W. L. Hansen and I. N. Hurst. 2,237,959; Apr. 8.
Building blocks, Manufacture of. F. J. Straub. 2,237,691; Apr. 8.
Building flashing. G. W. and H. P. Orth. 2,237,531; Apr. 8.
Building structure and air circulation therefor. C. E. Jones. 2,237,831; Apr. 8.
Bulbs or the like, Metal-coating. C. Birdseye and P. Deren. 2,237,328; Apr. 8.
Burner: *See*—
Oil burner.
Cabinet: *See*—
Card index cabinet. Safety milk bottle cabinet.
Cable and joint therefor, Electric. C. J. Beaver and E. L. Davey. 2,237,402; Apr. 8.
Cadmium pigments, Preparation of. J. J. O'Brien. 2,237,311; Apr. 8.
Calculating device. F. J. Barok. 2,237,873; Apr. 8.
Camera. S. M. Covell. 2,237,656; Apr. 8.
Camera, Photographic. H. Nerwin. 2,237,887; Apr. 8.
Can bodies, Method of and apparatus for forming fibre. A. G. Hatch and R. S. Condon. 2,237,828; Apr. 8.
Cap: *See*—
Well cap.
Capping machine. L. Perrone. 2,237,614; Apr. 8.
Car: *See*—
Hopper bottom car. Refrigerator car.
Car door. G. R. Treptow and C. E. Fabian. 2,237,380; Apr. 8.
Carbonization apparatus. F. Puening. 2,237,689; Apr. 8.
Carburetor. L. Beck. 2,237,922; Apr. 8.
Card handling equipment. A. Pentecost. 2,237,888; Apr. 8.

Card index cabinet. C. F. Wolters. 2,238,004–5; Apr. 8.
Carrier: *See*—
  Bottle washer carrier.
Cartridge holder. G. F. Mullins. 2,237,712; Apr. 8.
Case: *See*—
  Traveling case. Watch case.
Catapult, Bomb. J. H. Smith, Jr. 2,237,848; Apr. 8
Cathode ray tube recording device. W. Heimann. 2,237,667; Apr. 8.
Cement, Thermal insulating. J. R. Musgrave. 2,237,745; Apr. 8
Ceramic products, Color control of. J. McM. Cooley. 2,237,478; Apr. 8.
Ceramic ware, Ornamentation of. W. H. Earhart. 2,238,018; Apr. 8.
Chuck jaw. F. R. Brown. 2,237,875; Apr. 8.
Cigarette holder. R. Fullarton. 2,237,663; Apr. 8.
Circuit: *See*—
  Audio feedback circuit. Power supply circuit.
  Control circuit. Speech wave detecting cir
  Feedback circuit. cuit.
  Mixer circuit. Volume control circuit
Circuit breaker. E. A. Williams. 2,237,801; Apr. 8.
Circuit breaker, Electric. R. J. Baskerville and B. E. Spiro. 2,237,283; Apr. 8
Circuit breaker, Electric. D. C. Prince. 2,238,027; Apr. 8.
Circuit controller for tentering machines. J. Dungler. 2,237,341; Apr. 8
Circuits, Aperiodic disturbance suppression. B. D. H. Tellegen. 2,237,457; Apr. 8.
Circuits, Oscillator. D. Hermann. 2,237,668; Apr. 8.
Clarifier and flocculating apparatus, Combined. H. A. Linch. 2,238,024; Apr. 8.
Clamp: *See*—
  Ladder clamp. Sheet clamp.
  Line clamp.
Clasp. J. B. Freysinger. 2,237,731; Apr. 8.
Clasp fastener, Sliding. P. Hossmann. 2,237,935; Apr. 8
Cleaner: *See*—
  Drain pipe cleaner. Knife cleaner.
  Floor cleaner.
Cleaning and fumigating device. A. B. Frame. 2,237,984; Apr. 8.
Clicking machine. G. F. Ryan. 2,237,449; Apr. 8.
Clock, Electric. R. P. Landgraf. 2,237,673; Apr. 8.
Closure. P. Vassallo. 2,237,396; Apr. 8
Closure for watchcases, Fluidtight. L. Bolle. 2,237,860; Apr. 8.
Clutch control mechanism. P. H. Maurer. 2,237,944; Apr. 8
Clutch mechanism. T. M. West. 2,237,322; Apr. 8.
Clutch mechanism for change speed and reversing gearing. K. W. Willans. 2,237,647; Apr. 8.
Clutch or the like. T. L. Fawick. 2,237,864; Apr. 8.
Coating process. W. R. Collings and H. W. Bull. 2,238,013; Apr. 8.
Coding and decoding business survey cards, Device for. L. C. Moore. 2,237,968; Apr. 8.
Coin controlled mechanism. F. H. Osborne and F. L. McCormick. 2,237,573; Apr. 8.
Collar, Semistiff. J. G. Evans and A. Renfrew. 2,237,344; Apr. 8.
Collection receptacle. J. Macaluso. 2,237,836; Apr. 8
Colors, Production of azo. J. V. Scudi. 2,237,768; Apr. 8
Combing machine with reciprocating feed grid for wool, cotton, and the like. K. J. Schmitt. 2,237,714; Apr. 8
Computing machine. W. W. Landsiedel. 2,237,881; Apr. 8
Condensation vacuum pump. F. E. Bancroft and C. W. Miller. 2,237,806; Apr. 8.
Condenser: *See*—
  Lint condenser. Open type condenser.
Condition indicating instrument. W. W. Frymoyer. 2,237,598; Apr. 8.
Connection, Header. H. Trede. 2,237,617; Apr. 8
Connections for sheet metal articles, Making welded. F. G. Wahl. 2,237,535; Apr. 8.
Connector: *See*—
  Electrical connector. Line connector.
Container. F. L. Bronson. 2,237,809; Apr. 8
Container. A. Giammanco. 2,237,553; Apr. 8.
Container. D. E. Larson. 2,237,308; Apr. 8
Container assembly. M. McI. Dukehart, Jr. 2,237,293; Apr. 8.
Container closure. C. B. Dale. 2,237,479; Apr. 8
Container cover operating mechanism. F. Marasso. 2,237,528; Apr. 8.
Container for liquids, Demountable freight. R. A. Norbom. 2,237,310; Apr. 8.
Containers, Forming material for. P. M. Gilfillan. 2,237,346; Apr. 8.
Control apparatus. F. H. Gulliksen. 2,237,665; Apr. 8
Control apparatus for direct-current arc welding, Automatic. J. Tyrner. 2,237,894; Apr. 8.
Control apparatus, Interlocking. E. M. Allen and H. A. Thompson. 2,237,804; Apr. 8.
Control circuit. W. A. Ray. 2,237,578; Apr. 8.
Control circuit, Amplifier gain. W. R. Ferris. 2,237,420. Apr. 8.
Control for conditioning systems and the like. T. K. Greenlee. 2,237,304; Apr. 8.
Control for press boxes, Cotton retainer. J. J. Wallace. 2,237,721; Apr. 8.
Control means for gas filled cable. S. Zysk. 2,237,803; Apr. 8.
Control system. G. W. Garman. 2,237,985; Apr. 8.
Control system. L. M. Persons. 2,237,574; Apr. 8.
Controlling means for adhesive applying apparatus. G. W. von Hofe. 2,237,641; Apr. 8.
Conveyer, Shaker. E. R. Bergmann. 2,237,470; Apr. 8.
Cooking machine, Bench. F. C. Werner. 2,237,642; Apr. 8.
Cooler: *See*—
  Multiple unit jacket
  cooler.
Cooling device for slug casting machines. R. M. Miller. 2,237,610; Apr. 8.
Cooling system for internal combustion engine. F. Nallinger. 2,237,910; Apr. 8.
Cork composition. C. Dangelmajer and E. S. Peterls. 2,237,753; Apr. 8.
Cosmetic applicator. E. J. Smith. 2,237,847; Apr. 8.
Countersink. F. W. Sample. 2,237,450; Apr. 8.
Cover and ring seal, Leakproof. C. F. Smith. 2,237,952; Apr. 8.
Crane boom, Shovel. D. C. Jones. 2,237,439; Apr. 8.
Crankshaft, Assembled. A. H. Neuland. 2,237,685; Apr. 8.
Crushing device for coal crushing machines. J. Simon. 2,237,749; Apr. 8.
Cup dispenser. J. W. Carlson. 2,237,411; Apr. 8.
Curler, Ringlet. Z. Lemley. 2,237,942; Apr. 8.
Curtain rod. J. H. Boye. 2,237,406; Apr. 8.
Curtain rod. B. F. McMurry. 2,237,710; Apr. 8.
Cushion, Seat. F. O. Church. 2,237,475; Apr. 8.
Cushion seat for trailer axles. R. W. Pointer. 2,238,002; Apr. 8
Cutter: *See*—
  Glove cutter. Plaster cutter.
  Inside flash cutter.
Cutting device. I. S. Bodkin and L. J. Bouchard. 2,237,331; Apr. 1.
Cutting machine. D. Edgar. 2,237,416; Apr. 8.
Dental pattern. R. C. Cooley. 2,237,926; Apr. 8.
Derivatives and making same, Sterol. R. E. Marker. 2,237,762–3; Apr. 8.
Detachable wheel. T. Harrison. 2,237,702; Apr. 8.
Device for applying adhesive markers to surfaces. P. J. Peregallo. 2,237,360; Apr. 8.
Device for battery terminals, Protecting and sealing. J. J. Paterno. 2,237,630; Apr. 8.
Device for cutting and trimming hair. H. Lewis. 2,237,676; Apr. 8.
Device for milling gaps in piston rings. G. Brouwer. 2,238,011; Apr. 8.
Device for reducing sheet metal. T. Sendzimir. 2,237,794; Apr. 8.
Device for repairing cable terminal binding posts. J. W. Channell. 2,237,474; Apr. 8.
Device for the mechanical determination of firing data for firing at moving targets. K. Petschnig. 2,237,613; Apr. 8.
Dial hand for radio receivers and the like. L. R. Snow. 2,237,797; Apr. 8.
Diazo compounds, Stable. E. A. Markush and M. S. Mayzner. 2,237,885; Apr. 8.
Die box for wire drawing machines. K. B. Lewis. 2,237,527; Apr. 8.
Diolefins, Preparation of. H. M. Guinot. 2,237,866; Apr. 8.
Direction finding receiver, Impulse. G. Ulbricht. 2,237,895; Apr. 8.
Disengaging means for automatic control systems for aircraft. H. W. Tiebel. 2,237,719; Apr. 8.
Disintegrator. C. T. Asbury. 2,237,401; Apr. 8
Dispenser: *See*—
  Cup dispenser. Sheet dispenser.
  Seed dispenser.
Dispensing valve, Pressure regulating. A. L. Koenig. 2,237,940; Apr. 8.
Display stand. W. Hinkel. 2,237,879; Apr. 8.
Dog and clamp, Water. M. Schlatter. 2,237,366; Apr. 8
Dolly, Television camera. A. V. Bedford and K. J. Magnusson. 2,237,403; Apr. 8.
Door: *See*—
  Car door.
  Door closer. L. Rakoczy. 2,237,576; Apr. 8.
Door latch. R. C. Grubb. 2,237,817; Apr. 8.
Door operator. V. J. Haddaway. 2,237,987; Apr. 8.
Double mounted filter. J. W. Wilkinson. 2,238,003; Apr. 8.
Dough strip twisting machine. W. Hoop and L. C. Veale. 2,237,821; Apr. 8.
Drain, Floor. E. W. N. Boosey. 2,237,545; Apr. 8.
Drain pipe cleaner, Sanitary. E. Von Bon Horst and Le R. M. Strang. 2,237,880; Apr. 8.
Drill. W. A. Chun. 2,237,901; Apr. 8.
Drive for rail vehicles, Individual axle. U. Barske. 2,237,728; Apr. 8.
Drive mechanism, Agitator. J. P. Wied. 2,237,919; Apr. 8.
Drive unit mounting. A. N. Haskell. 2,237,555; Apr. 8.
Dual wheel vehicle. J. P. Castellano. 2,237,547; Apr. 8.
Dummy, Football. M. J. Gilman. 2,237,599; Apr. 8.

Duplicating machine. R. J. Copeland and E. J. Bloore. 2,237,548; Apr. 8.
Dust guard casing closure. J. D. Bigelow. 2,237,287; Apr. 8.
Dyeing. W. W. Heckert. 2,237,829; Apr. 8.
Easel, Photographic printing. G. Fassin. 2,237,730; Apr. 8.
Edge aligning device, Razor blade. V. Jarvi. 2,237,488; Apr. 8.
Edging. W. E. Sackner. 2,237,580; Apr. 8.
Egg whites, Treatment of. N. C. Fischer. 2,237,827; Apr. 8.
Electric changeover. L. D. Strong. 2,237,376; Apr. 8.
Electric lamp. L. J. Davies. 2,237,754; Apr. 8.
Electric motor. E. O. Roggenstein. 2,237,868; Apr. 8.
Electric motor mounting. K. Schwarz and H. Freese. 2,237,916; Apr. 8.
Electric range. J. L. Shroyer. 2,237,795; Apr. 8.
Electric tool. G. C. Wilhide. 2,237,646; Apr. 8.
Electrical apparatus. L. W. Foster. 2,237,814; Apr. 8.
Electrical connector. O. A. Rieman. 2,237,362; Apr. 8.
Electrical network. C. F. Landenberger and T. J. Talley, 3rd. 2,237,492; Apr. 8.
Electron discharge apparatus. C. F. Miller. 2,238,025; Apr. 8.
Electron discharge device. A. V. Haeff. 2,237,878; Apr. 8.
Electron discharge device. H. E. Kallmann. 2,237,671; Apr. 8.
Electron discharge device. H. G. Lubszynski and J. D. McGee. 2,237,679; Apr. 8.
Electron discharge device for use in television. J. D. McGee. 2,237,445; Apr. 8.
Electronic device. E. Bruche. 2,237,651; Apr. 8.
Electronic device. A. W. Vance. 2,237,896; Apr. 8.
Elevator. W. W. Wilson. 2,237,856; Apr. 8.
Emergency valve. F. G. Thwaits. 2,237,377; Apr. 8.
Engine: *See*—
  Internal combustion en- Rotary engine.
  gine.
Engine starting device. B. Getz and A. Johnson. 2,237,816; Apr. 8.
Equalizer. P. W. Klipsch. 2,238,023; Apr. 8.
Equalizing device. F. Prazen. 2,237,972; Apr. 8.
Esterification mixtures, Purification of crude. J. F. Olin. 2,237,626; Apr. 8.
Esters of polycarboxylic acids, Cyclopentyl. T. W. Evans and J. R. Scheibli. 2,237,729; Apr. 8.
Ethers, Hydroxyaliphatic thioammeline. H. A. Bruson. 2,237,584; Apr. 8.
Evaporator refrigerant. L. C. Smith. 2,237,508; Apr. 8.
Evaporator unit. F. D. Peltier and K. F. Schmidt. 2,237,500; Apr. 8.
Exhaust-gas testing apparatus, Aircraft. U. O. Hutton. 2,237,558; Apr. 8.
Eyecup, Sanitary suction. P. B. Burhans. 2,237,862; Apr. 8.
Fabric winding apparatus. S. Cohn and J. G. Walter. 2,237,654; Apr. 8.
Fan construction. A. O. Samuels. 2,237,451; Apr. 8.
Fastener: *See*—
  Clasp fastener.
Fastening inserting machine. C. H. James. 2,237,438; Apr. 8.
Fastening strip containing nuts. J. V. Dyer. 2,237,595; Apr. 8.
Feedback circuit. E. Hölzler. 2,237,782; Apr. 8.
Feed mixer. P. Marshall. 2,237,787; Apr. 8.
Feeding paper, Method and apparatus for. J. B. Fulk. 2,237,877; Apr. 8.
Fence construction. B. Higman. 2,237,669; Apr. 8.
Fertilizer composition. J. C. Woodhouse. 2,237,826; Apr. 8.
Fertilizer distributor and the like. O. L. Smith. 2,237,849; Apr. 8.
Fiber and extracting the same. E. H. Akin. 2,237,295; Apr. 8.
Fiber box, Reinforced heavy duty. E. J. Creek. 2,237,927; Apr. 8.
Fiber from protein contained in soybean, Manufacturing artificial. T. Kajita and R. Inoue. 2,237,832; Apr. 8.
Fibrous product, Making. S. Collier, F. T. Randolph, and W. G. Collins. 2,237,337; Apr. 8.
Film on metals consisting of the class of aluminum and alloys thereof and producing same, Colored oxide. C. Graenacher and M. Matter. 2,237,483; Apr. 8.
Filter: *See*—
  Double mounted filter.
Filter and inhaler, Nasal. W. R. Wilson. 2,237,954; Apr. 8.
Filtering device. E. J. Pratt. 2,237,766; Apr. 8.
Filters, Removing deposits from. G. M. Croft. 2,237,417; Apr. 8.
Firearm, Shoulder-controlled. F. Holek. 2,237,601; Apr. 8.
Fishing lure. W. W. Van der Clute. 2,237,534; Apr. 8.
Fishing reel. E. D. Howe. 2,237,991; Apr. 8.
Fishing tackle. W. H. Carothers. 2,237,412; Apr. 8.
Fitting, Lubrication. J. N. Gourley. 2,237,484; Apr. 8.
Fitting, Plumber's. E. Kennedy. 2,237,672; Apr. 8.
Fixture, Electric. G. Arras. 2,237,956; Apr. 8.
Flame stabilizer for laboratory burners. H. C. Rickert. 2,237,889; Apr. 8.
Flashlight and compass, Combined. L. E. Hawks. 2,237,963; Apr. 8.
Flatiron, Steam generating. S. Wallace. 2,237,381; Apr. 8.
Floor cleaner. W. C. Jerome. 2,237,830; Apr. 8.
Flooring extract, Producing maple. C. J. Ellis and A. H. Donaldson. 2,237,981; Apr. 8.
Flow-throttling and air-eliminating means, Liquid. W. S. Brubaker and A. J. Saarinen. 2,237,520; Apr. 8.
Fluid meter. H. L. Blum. 2,237,518; Apr. 8.
Fluid motor. M. Kraut. 2,237,563; Apr. 8.
Fluid, Treating. C. V. Swearingen. 2,237,851; Apr. 8.
Flush tank. C. A. Easley. 2,237,294; Apr. 8.
Foldable windshield for motorcycles. F. L. Dunlap. 2,237,594; Apr. 8.
Folding machine. F. J. Breman and N. Trydal. 2,238,009; Apr. 8.
Food handling apparatus. H. P. Arnt, Sr. 2,237,955; Apr. 8.
Food products, Processing. C. L. Jones. 2,237,739; Apr. 8.
Footwear, Making. L. H. L'Hollier and F. F. Olson. 2,237,835; Apr. 8.
Foundry composition and method. N. J. Dunbeck. 2,237,592–3; Apr. 8.
Frequency modulation. G. R. Clark. 2,237,522; Apr. 8.
Friction member. J. M. Oldham. 2,237,624; Apr. 8.
Fuel, Polyfurcous. C. Ellis. 2,237,660; Apr. 8.
Furnace and method of chemical recovery, Chemical recovery. J. P. Badenhausen. 2,238,007; Apr. 8.
Furniture, Metal. M. Nelson and W. A. Dunlap. 2,237,840; Apr. 8.
Fuse, Enclosed. L. C. Hart. 2,237,933; Apr. 8.
Fusee, Wick. P. E. Damon. 2,237,523; Apr. 8.
Galvanometer. F. C. Ellis. 2,237,552; Apr. 8.
Game apparatus. J. F. Lazenby. 2,237,707; Apr. 8.
Game, Ball. C. F. Gilford. 2,237,986; Apr. 8.
Game device, Automatic. G. E. R. Perks. 2,237,746; Apr. 8.
Game, Table hockey. D. S. Henderson. 2,237,486; Apr. 8.
Garden tool. H. Halvorsen. 2,237,988; Apr. 8.
Garment, Convertible. J. and B. Seitzman. 2,237,368; Apr. 8.
Gas washer. H. A. Faber. 2,237,482; Apr. 8.
Gases, Method of and apparatus for treating. W. E. Moore. 2,237,684; Apr. 8.
Gases, Pumping or compressing of. A. F. Caprio. 2,237,336; Apr. 8.
Gate valve. L. W. Benoit. 2,237,776; Apr. 8.
Gauge: *See*—
  Assembled gauge. Miter gauge.
Gauge equipment, Liquid level. J. J. Tokheim. 2,237,461–2; Apr. 8.
Gear: *See*—
  Power reverse gear.
Gear retaining lock, Change. W. F. Zimmermann. 2,237,465; Apr. 8.
Generator: *See*—
  Magneto generator. Wind operated generator.
  Saw-tooth wave generator.
Glass plates and sheets, Tempering. B. Engels. 2,237,343; Apr. 8.
Glass, Tempering. E. Ferlito. 2,237,982; Apr. 8.
Glove cutting. W. Green. 2,237,348; Apr. 8.
Golf practicing device. T. C. Rush. 2,237,608; Apr. 8.
Governing mechanism, Hydraulic. F. H. Van Nest. 2,237,799; Apr. 8.
Governor, Turbine. M. Gottlieb. 2,237,780; Apr. 8.
Graining machine for molding. J. W. Milner. 2,237,357; Apr. 8.
Grinding machine. G. T. Muskovin. 2,237,496; Apr. 8.
Grinding wheel spindle reciprocating apparatus. C. C. Alvord. 2,237,467; Apr. 8.
Grinding wheels for use in grinding internal screw threads, Forming. J. E. Wainwright. 2,237,974; Apr. 8.
Guanidine sulphamates, Production of. W. H. Hill. 2,237,781; Apr. 8.
Guide and guide device, Paintbrush. R. W. Brainard. 2,237,923; Apr. 8.
Guide and scraper, Combined. J. C. Donaldson. 2,237,863; Apr. 8.
Guide for pressing machine covers, Size. J. Muserlian. 2,237,948; Apr. 8.
Gun mount mechanism, Aircraft. E. Lanciani. 2,237,833; Apr. 8.
Gun sight. R. M. Sweet. 2,237,395; Apr. 8.
Gun support. A. Dewandre. 2,237,930; Apr. 8.
Hammer, Hammer-mill. J. A. Tankersley. 2,237,510; Apr. 8.
Handle: *See*—
  Mop handle.
Handle. A. Palmer. 2,237,949; Apr. 8.
Hanger, Automatic releasable cable. D. L. Fisher. 2,237,597; Apr. 8.
Harrows, Control of. R. H. Lysedahl. 2,237,884; Apr. 8.
Harvester platform. R. L. Anderson. 2,237,517; Apr. 8.
Headlight for vehicles, Antiglare. D. M. Fulton. 2,237,815; Apr. 8.
Headset. H. R. Clarke. 2,237,752; Apr. 8.
Heat treating apparatus. R. P. Kochring. 2,237,966; Apr. 8.
Heat treating in a semimuffle type furnace, Method for. J. H. Knapp. 2,237,785; Apr. 8.

Heat treatment. F. S. Badger, Jr. 2,237,872; Apr. 8.
Heater: *See*—
Induction heater.
Heater construction, Water. R. C. Sabins. 2,237,890; Apr. 8.
Heating and ventilating apparatus. R. H. Colvin. 2,237,477; Apr. 8.
Heating and ventilating apparatus for automobiles. A. O. Samuels and M. W. Humphreys. 2,237,452; Apr. 8.
Heel retaining means for shoes. L. Sabo. 2,237,317; Apr. 8.
Holder: *See*—
Cartridge holder. Jar holder.
Cigarette holder.
Holder for condiments and like substances. H. C. Thompson and A. De Stefano. 2,237,718; Apr. 8.
Holder for writing paraphernalia. E. R. Posnack. 2,237,532; Apr. 8.
Hollow bodies from metal billets, Production of cup-shaped. K. Korbuly. 2,237,993; Apr. 8.
Hood for motor drive vehicles. H. B. Lewis. 2,237,677; Apr. 8.
Hopper bottom car. J. D. Benbow and G. W. Sines. 2,237,299; Apr. 8.
Horse, Mechanical. R. A. Maypole. 2,237,605; Apr. 8.
Hose nipple connection. T. M. Knowland. 2,237,490; Apr. 8.
Hover raising and lowering device for battery brooders. A. R. Hoeft. 2,237,557; Apr. 8.
Hydrocarbon fluids, Heating. J. H. Rickerman. 2,237,502; Apr. 8.
Hydrocarbon oils, Dewaxing. L. D. Jones. 2,237,670; Apr. 8.
Hydrocarbons and apparatus therefor, Treatment of. A. L. Baker. 2,237,468; Apr. 8.
Hydrocarbons, Conversion of. E. T. Layng. 2,237,822; Apr. 8.
Hydrocarbons, Recovering. S. C. Carney. 2,237,386; Apr. 8.
Illuminated display sign. C. J. Wamser. 2,237,750; Apr. 8.
Image for making animated moving pictures. L. Bunin 2,237,751; Apr. 8.
Indicating system, Remote. C. O. Cressy. 2,237,928; Apr. 8.
Indicator: *See*—
Angle-of-attack indicator
Induction heater. E. G. Lofgren. 2,237,569; Apr. 8.
Inflating device. A. A. Jeanne. 2,237,559; Apr. 8.
Inkwell. S. Pastor. 2,237,791; Apr. 8.
Insecticide. D. R. Merrill. 2,237,350; Apr. 8.
Inside flush cutter. F. M. Darner. 2,237,550; Apr. 8.
Instrument, Automatic control. H. E. Jones. 2,237,440; Apr. 8.
Insulating material and structure. F. G. Johnson. 2,238,022; Apr. 8.
Insulator structure. L. B. and A. J. Stewart. 2,237,717; Apr. 8.
Internal combustion engine. K. L. Herrmann. 2,237,621; Apr. 8.
Internal combustion engine. K. L. Herrmann. 2,237,989; Apr. 8.
Iron from water, Removing. J. P. Lawlor and V. M. Rauch. 2,237,882; Apr. 8.
Ironing board, Folding. S. F. Slawski. 2,237,455; Apr. 8.
Ironing board supporting fixture. S. F. Slawski. 2,237,454; Apr. 8.
Jacket for insulated conductors, Fibrous. A. P. Hinsky. 2,237,431; Apr. 8.
Jacket for molds, Water. H. E. McWane. 2,237,606; Apr. 8.
Jar holder. K. Vida. 2,237,397; Apr. 8.
Ketones, Purification of. R. M. Downey. 2,238,016; Apr. 8.
Keying device for ultra-short-wave transmitters. G. Ernst. 2,237,661; Apr. 8.
Knife cleaner. R. Leano. 2,237,761; Apr. 8.
Knitting device. F. Grimm and J. A. Smoot. 2,237,733; Apr. 8.
Knitting machine and process. K. Howie. 2,237,602; Apr. 8.
Knob. E. L. Buck and F. W. Sherwood. 2,237,289; Apr. 8.
Knob, Choker. W. W. Weatherford. 2,237,618; Apr. 8.
Ladder clamp. H. J. Troche. 2,237,853; Apr. 8.
Ladder support. C. A. Ellers. 2,237,596; Apr. 8.
Ladder, Tractionally operated. J. H. Phillips. 2,237,688; Apr. 8.
Lamp: *See*—
Electric lamp
Latch: *See*—
Door latch
Lathe. F. S. Floeter. 2,238,019; Apr. 8.
Legging. D. E. Kimball. 2,237,307; Apr. 8.
Lens and making the same, Contact. J. E. Mullen. 2,237,744; Apr. 8.
Lens mounting for eyeglasses. W. Krodel. 2,237,352; Apr. 8.
Lifter: *See*—
Plant lifter.
Lifting mechanism. C. L., W. A., and L. W. Doughty. 2,237,620; Apr. 8.
Light conditioning device and method of manufacturing same. E. W. Beck and V. Walker. 2,238,008; Apr. 8.
Light polarizer and manufacturing the same. E. H. Land. 2,237,567; Apr. 8.
Lighting fixture. L. C. Doane. 2,237,057; Apr. 8.
Line clamp. A. R. Williams. 2,237,619; Apr. 8.
Line connector. G. T. De Barbieri. 2,237,588; Apr. 8.
Lint condenser. G. C. Morgan. 2,237,358; Apr. 8.
Lock: *See*—
Gear retaining lock. Window lock.
Wheel pump lock.
Lock release, Automobile door. H. H. Dyke. 2,237,658; Apr. 8.
Loud-speakers, Overload protection for dynamic. W. Reinhard. 2,237,448; Apr. 8.
Lubricant. H. E. Ries, Jr. 2,237,632; Apr. 8.
Lubricating and silencing device, Clock. W. L. Hansen and I. N. Hurst. 2,237,958; Apr. 8.
Lubricating composition, Extreme pressure. R. L. Humphreys. 2,237,526; Apr. 8.
Lubricating means for driving mechanism. J. A. Bundy and H. L. Elfner. 2,237,900; Apr. 8.
Lubricator: *See*—
Track lubricator
Machine for operating on shoe parts. J. P. Fredericksen. 2,237,422; Apr. 8.
Machine for separating shoes from lasts. A. L. Jalbert. 2,237,437; Apr. 8.
Machine needle, Knitting. S. J. Everett. 2,237,480; Apr. 8.
Machine tool. M. Birkigt. 2,237,583; Apr. 8.
Machine tool. E. V. Hafling. 2,237,905; Apr. 8.
Magazine for surgical ligatures. P. D. Dole. 2,237,589; Apr. 8.
Magazine rifle. W. E. Carter. 2,237,291; Apr. 8.
Magneto generator. E. B. Nowosielski. 2,237,823; Apr. 8.
Material and preparing the same, Fluorescent. W. R. Moore. 2,238,026; Apr. 8.
Material to running webs, Application of sections of. J. Shackleton. 2,237,917; Apr. 8.
Matrix grinding and marking machine. J. E. Sheaffer. 2,237,506; Apr. 8.
Measuring instrument. L. S. Williams. 2,237,515; Apr. 8.
Mechanism and method for knitting nonrun or run-resistant hosiery. E. E. Carlson. 2,237,290; Apr. 8.
Mechanism, Reversing. O. H. Attridge. 2,238,006; Apr. 8.
Members, Method and means for making hollow tubular. W. W. McMinn. 2,237,309; Apr. 8.
Menthones and menthols, Manufacture of optically active. J. W. Blagden and W. E. Huggett. 2,237,980; Apr. 8.
Meter: *See*—
Fluid meter
Milk bottle cabinet, Safety. T. E. Hutchens. 2,237,388; Apr. 8.
Miter gauge. T. L. Hedgpeth. 2,237,556; Apr. 8.
Mixer: *See*—
Feed mixer.
Mixer circuit. R. L. Smith. 2,237,796; Apr. 8.
Mixing and kneading machine, particularly for plastic explosives or the like. H. Bille. 2,237,859; Apr. 8.
Molds and molds produced thereby, Venting sand. F. L. Daub. 2,237,876; Apr. 8.
Mop handle, Cushioned. G. M. Olsen. 2,237,969; Apr. 8.
Motor: *See*—
Electric motor. Slow speed motor.
Fluid motor.
Motor. C. A. Newman. 2,237,999; Apr. 8.
Motor control and phasing. L. M. Potts. 2,237,951; Apr. 8.
Mounting: *See*—
Electric motor mounting
Mounting for a domestic wash wringer. A. H. Freeman. 2,237,423; Apr. 8.
Mounting for pistons of gasholders, Guide roller. W. E. Gruening. 2,237,701; Apr. 8.
Mounting for trucks, Spindle. G. C. Watson. 2,237,855; Apr. 8.
Multiple unit jacket cooler. F. M. Young. 2,237,516; Apr. 8.
Multiplying machine. J. W. Bryce. 2,237,335; Apr. 8.
Musician's stand. O. C. Rader. 2,237,914; Apr. 8.
Mute, Piano practicing. J. F. Hewlett. 2,237,900; Apr. 8.
Nail, Box. H. B. Lindsley. 2,237,741; Apr. 8.
Nail driving and setting machine. F. Thayer. 2,237,458; Apr. 8.
Name plate and electrical push button, Illuminated. L. Ludwig. 2,237,355; Apr. 8.
Nitrogen bases, Pyrolysis of. J. R. Bailey and R. Mahan. 2,237,541; Apr. 8.
Nozzle, Suction. G. H. Cranmer. 2,237,724–6; Apr. 8.
Nozzle, Suction. A. E. Ross. 2,237,727; Apr. 8.
Nut cluster forming and coating device. V. L. Schenk. 2,237,846; Apr. 8.
Nuts, Shelling. D. B. Macfarlane. 2,237,442; Apr. 8.
Oil burner. L. La Branche. 2,237,967; Apr. 8.
Oil product and producing the same, Ammoniated tall. D. W. Jayne, Jr. 2,238,021; Apr. 8.
Oils, Conversion of hydrocarbon. L. C. Huff. 2,237,432; Apr. 8.
Oils, Process and apparatus for coking hydrocarbon. R. B. Day. 2,237,414; Apr. 8.
Olefin dimers, Producing. R. M. Deanesly. 2,237,292; Apr. 8.
Olefins, Polymerization of. R. B. Thompson. 2,237,459–60; Apr. 8.

Open type condenser. R. W. Drake. 2,237,903; Apr. 8.
Opener, Can. F. E. Fender and C. I. Wille. 2,237,418; Apr. 8.
Optical system for microscopes, Intermediary. E. Lihotzky. 2,237,943; Apr. 8.
Organic compounds, Sulphurization of sulphur-containing. J. F. Olin. 2,237,625; Apr. 8.
Ornamental device for pencils, or the like. S. G. Lipic. 2,237,883; Apr. 8.
Oximes, Production of. P. Schlack. 2,237,365; Apr. 8.
Package and method of wrapping and banding. J. A. Neumair. 2,237,911; Apr. 8.
Pad: *See*—
Three-heat pad. Truss pad.
Paper bag. H. A. Wolf. 2,237,324; Apr. 8.
Paper feeding device. K. J. Braun. 2,237,874; Apr. 8.
Paper filler. A. K. Smith. 2,237,374; Apr. 8.
Paper folding machine. F. Brillas. 2,237,472; Apr. 8.
Paper, Method and apparatus for feeding. J. B. Fulk. 2,237,877; Apr. 8.
Paper tissue on paper or other porous materials, Integrating. C. Landin. 2,237,568; Apr. 8.
Paper winding machine. G. M. Kwitek. 2,237,759; Apr. 8.
Paperweight and letter opener, Airplane propeller. M. E. Trotlen. 2,237,463; Apr. 8.
Patterns, Reproducing natural grain. C. M. Long. 2,237,708; Apr. 8.
Peeler, Banana. R. E. Leavens. 2,237,354; Apr. 8.
Petroleum acid compounds, Manufacture of oxidized. R. E. Burk and E. C. Hughes. 2,237,301; Apr. 8.
Photo-radio system. J. N. Whitaker. 2,237,645; Apr. 8.
Photographic film developing apparatus. H. W. Houston. 2,237,737; Apr. 8.
Pie plate or the like. G. H. Brown. 2,237,697; Apr. 8.
Pigments, Manufacture of azo. H. J. Twitchett. 2,237,772; Apr. 8.
Pigment, Manufacture of zinc sulphide. Z. de Horvath and W. B. Paris. 2,237,755; Apr. 8.
Pigment, Production of rutile. R. M. McKinney. 2,237,764; Apr. 8.
Pipe or tube rolling. S. Findlater. 2,237,983; Apr. 8.
Pipe tong support. H. E. Grau. 2,237,427; Apr. 8.
Piston pump. M. Roedel. 2,237,505; Apr. 8.
Plait for shirt fronts, Box. M. Grunbaum. 2,237,818; Apr. 8.
Plant lifter. E. Briggs. 2,237,861. Apr. 8.
Plastic cutter. W. J. Smith. 2,237,870; Apr. 8.
Plate elements, Treating dry. H. Wittke. 2,237,802; Apr. 8.
Plow, fertilizer, and fumigating apparatus, Combination. G. H. Woods and W. F. McCollough. 2,237,775; Apr. 8.
Polymers of acylated cyclopentadienes. A. W. Ralston, R. J. Vander Wal, and S. T. Bauer. 2,237,825; Apr. 8.
Polysulphides, Sulphurization of organic. J. F. Olin. 2,237,627; Apr. 8.
Postage printing machine. R. S. Nilsson. 2,237,446; Apr. 8.
Pot discharge assembly for type casting machines, Melting. J. T. Rogers. 2,237,790; Apr. 8.
Pouches, Method and means for making. P. M. Yeates and D. D. Jackson. 2,237,537; Apr. 8.
Powder, Making sponge iron. C. A. Mann. 2,237,867; Apr. 8.
Power reverse gear. E. Washburn. 2,237,400; Apr. 8.
Power supply circuit. A. D. Blumlein and R. E. Spencer. 2,237,649; Apr. 8.
Power system, Electric. E. F. W. Alexanderson. 2,237,384; Apr. 8.
Power transmitting device. D. O. Landis. 2,237,907; Apr. 8.
Power unit for driving lawn mowers. P. G. Frazier. 2,237,521; Apr. 8.
Pregnanolones and producing the same from pregnandiones, A. Butenandt. 2,237,410; Apr. 8.
Preheater for vaporizer in oil burners. J. A. Almström and F. Ekstrand. 2,237,285; Apr. 8.
Press. J. Van Buren. 2,237,918; Apr. 8.
Printed matter, Method of and apparatus for copying. W. Ritzerfeld and H. Fischer. 2,237,363; Apr. 8.
Printing device. I. Gurwick. 2,237,349; Apr. 8.
Propeller for aircraft. F. W. Caldwell. 2,237,924; Apr. 8.
Prospecting, Subsurface. S. S. West. 2,237,643; Apr. 8.
Puller: *See*—
Automobile head puller.
Pulp dehydrator. W. E. Saxe. 2,237,635; Apr. 8.
Pulsator. H. McCormack. 2,237,444; Apr. 8.
Pulse in a cathode ray tube, Generating. A. H. Brolly. 2,237,334; Apr. 8.
Pulverizer. V. S. Wall. 2,237,978; Apr. 8.
Pump: *See*—
Condensation vacuum pump. Piston pump.
Pump having vapor jet nozzles, High vacuum. U. Lamm. 2,237,941; Apr. 8.
Pump control. W. D. Grannan and W. J. Kelly. 2,237,347; Apr. 8.
Pumping mechanism for oil wells. I. X. Calhoun. 2,237,303; Apr. 8.
Punch. R. E. Bitner. 2,237,898; Apr. 8.
Pyrometer, Optical. H. W. Russell. 2,237,713; Apr. 8.
Quinoline compounds. J. R. Bailey and C. L. Key. 2,237,542; Apr. 8.
Rack: *See*—
Tray rack.
Radio construction. E. F. McDonald, Jr. and G. E. Gustafson. 2,237,886; Apr. 8.
Radiogoniometer, Instantaneous direct reading. J. Marique. 2,237,604; Apr. 8.
Rail bond. N. G. Carlson. 2,237,698; Apr. 8.
Railroad spreader. C. W. Shipley. 2,237,891; Apr. 8.
Razor, Electric. J. H. Rand, Jr. 2,237,869; Apr. 8.
Rear engine vehicle. W. Seyerle. 2,237,369; Apr. 8.
Rear-shutter mechanism for moving picture projecting machine. O. Krastel. 2,237,786; Apr. 8.
Receptacle: *See*—
Collection receptacle.
Receptacle and comb, Combined. R. L. Motley. 2,237,611; Apr. 8.
Receptacle for refrigerators, Food storage. G. S. Hill. 2,237,820; Apr. 8.
Record changing mechanism for phonographs and the like, Automatic. A. R. B. Downs. 2,237,340; Apr. 8.
Reel: *See*—
Fishing reel.
Reel pack, Ribbon. W. S. Armitt. 2,237,920; Apr. 8.
Reeling device. F. F. Long. 2,237,994; Apr. 8.
Reflector mounting, Highway. H. J. Stambaugh, Jr. 2,237,456; Apr. 8.
Refrigerating machine, Absorption. E. F. Hubacker. 2,237,622; Apr. 8.
Refrigeration system, Absorption. A. Flukes. 2,237,302; Apr. 8.
Refrigerator car, Top bunker. C. D. Bonsall. 2,237,405; Apr. 8.
Register means for printing presses and application thereof. J. Sinkovitz. 2,237,453; Apr. 8.
Registering system. L. Schott. 2,237,767; Apr. 8.
Regulator. B. F. Waddell. 2,237,398–9; Apr. 8.
Relay system, Light-sensitive. A. Ronning. 2,237,579; Apr. 8.
Reset valve, Manual. W. A. Ray. 2,237,577; Apr. 8.
Resins, Acetone-formaldehyde. E. H. Balz. 2,237,325; Apr. 8.
Resins and process for their preparation, Phenol modified. R. Rosen. 2,237,634; Apr. 8.
Resistance device. J. W. West. 2,237,323; Apr. 8.
Resonance adjusting means, Automatic. S. Y. White. 2,237,514; Apr. 8.
Respirator and the like. J. V. Heimann. 2,237,305; Apr. 8.
Rest, Back. J. C. Hill. 2,237,736; Apr. 8.
Reversing mechanism. H. Sinclair. 2,237,373; Apr. 8.
Rig, Oil well. J. F. Smith. 2,237,394; Apr. 8.
Rivet. H. S. Dale. 2,237,338; Apr. 8.
Road machine. W. A. Cost and E. R. McDonough. 2,237,586; Apr. 8.
Rod: *See*—
Curtain rod.
Roller wheel. D. B. Baker, C. R. Rogers, and W. O. Bechamn. 2,237,921; Apr. 8.
Rosin, Making lime. R. E. Price and I. E. Knapp. 2,237,973; Apr. 8.
Rotary engine. M. Dumarest. 2,237,591; Apr. 8.
Rotor. W. L. Hansen and I. N. Hurst. 2,237,961; Apr. 8.
Rotors, Making motor. W. L. Hansen and I. N. Hurst. 2,237,962; Apr. 8.
Sand molds and molds produced thereby, Venting. F. L. Daub. 2,237,876; Apr. 8.
Sandal for modern dancing. S. Capezio. 2,237,652; Apr. 8.
Sash. J. Martisius. 2,237,493; Apr. 8.
Saw-tooth wave generator. M. Geiger and R. Urtel. 2,237,425; Apr. 8.
Scaffold structure, Knockdown. J. F. Manion. 2,237,572; Apr. 8.
Scaffold trestle with guard rail. Adjustable extension. H. C. Berchem and J. P. Schneider. 2,237,543; Apr. 8.
Scale. G. E. Chatillon. 2,237,653; Apr. 8.
Scale, Fish rod. A. J. Shekter. 2,237,370; Apr. 8.
Scale, Proportional mixing. P. Marienthal. 2,237,443; Apr. 8.
Screen: *See*—
Shaker screen.
Screen cleaning means. T. E. Haught. 2,237,964; Apr. 8.
Seal, Bearing. J. W. Smith. 2,237,616; Apr. 8.
Seal, Collapsing tool. H. C. Block. 2,237,544; Apr. 8.
Seal construction, Fluid. C. Kurzweil. 2,237,758; Apr. 8.
Seal for electric conduit lines, Trap. C. Knox, Jr. 2,237,562; Apr. 8.
Seal for refrigerating apparatus. A. A. McCormack. 2,237,494; Apr. 8.
Secrecy and motor control device. J. A. Spencer. 2,237,533; Apr. 8.
Seed disperser. R. M. Roath. 2,237,504; Apr. 8.
Shaker screen. W. H. Kutz. 2,237,491; Apr. 8.
Shampoo. J. W. Orelup. 2,237,629; Apr. 8.
Shears and the like. C. J. Dalley. 2,238,014; Apr. 8.
Sheet and stamped metal panel, Laminated. J. Ledwinka. 2,237,623; Apr. 8.
Sheet clamp. M. G. Barker. 2,237,807; Apr. 8.
Sheet dispenser. S. N. Hope. 2,237,424; Apr. 8.
Sheet material cutouts, Foldable. G. W. Vos. 2,237,897; Apr. 8.
Shock absorber. N. E. Routson. 2,237,915; Apr. 8.
Shock absorber, Direct acting friction. J. R. Snyder. 2,237,318; Apr. 8.

Shock absorber and mounting therefor. J. R. Snyder 2,237,319; Apr. 8.
Shoe for deformed feet, Overcorrective. W. O. Minor 2,237,947; Apr. 8.
Shoe for talipes varus, Overcorrective. W. O. Minor. 2,237,945–6; Apr. 8.
Shoe insoles, Stiffening. F. H. Hummel. 2,237,783; Apr. 8.
Shoe parts, Inking edges of. V. F. Harrington. 2,237,429; Apr. 8.
Sign: *See*—
Illuminated display sign.
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Tire inflation signal. Warning signal.
Signal. G. I. Wells, Jr. 2,237,536; Apr. 8.
Signatures, Feeding folded. O. Kleinschmidt and W. Geissler. 2,237,740; Apr. 8.
Silencer for gear shift levers and rods. E. O. Shreffler 2,237,507; Apr. 8.
Sinker. F. Asprer. 2,237,540; Apr. 8.
Sinker, Post or pole. G. Agostineto. 2,237,383; Apr. 8.
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Ski for airplanes, Landing. P. G. Billings. 2,237,471; Apr. 8.
Skill device, A., Schwarzenzer. 2,237,748; Apr. 8.
Sled, Charging. M. J. Gilman. 2,237,600; Apr. 8.
Slow speed motor. W. L. Hansen and I. N. Hurst. 2,237,960; Apr. 8.
Snap-acting device. E. F. Kohl. 2,237,705; Apr. 8.
Sock lining. J. Squire. 2,237,892; Apr. 8.
Sound recording. G. L. Dimmick. 2,237,902; Apr. 8.
Sound recording apparatus, Photographic. E. Hack. 2,237,904; Apr. 8.
Sound translating equipment. J. M. Kuhlik. 2,237,738; Apr. 8.
Sounding board for pianos. H. W. Bell. 2,237,695; Apr. 8.
Spattling and spraying process. H. Bode. 2,237,288; Apr. 8.
Speech wave detecting circuit. B. G. Bjornson 2,237,899; Apr. 8.
Speed transmission, Variable. H. E. Tautz. 2,237,511; Apr. 8.
Spindle, Tool. G. D. Stewart. 2,237,692; Apr. 8.
Spinning, Long draft. F. J. Schlessler. 2,237,364; Apr. 8.
Sponge. M. W. Rudd. 2,237,793; Apr. 8.
Spout and container opener, Pouring. R. A. Casper 2,237,816; Apr. 8.
Spraying device. J. Karbe. 2,237,489; Apr. 8.
Spraying device. L. Parsons and C. R. Potter. 2,237,687; Apr. 8.
Spraying device. H. M. Reynolds. 2,237,842; Apr. 8.
Spraying device for dishwashing machines. T. E. D Bilde. 2,237,979; Apr. 8.
Spring cushion. W. de Fries. 2,237,585; Apr. 8.
Spring suspension, Resilient torsion. O. F. Quartullo 2,237,575; Apr. 8.
Stabilizer for vehicles. G. V. Woodling. 2,237,382; Apr. 8.
Stacker. F. J. Breman. 2,238,010; Apr. 8.
Stand: *See*—
Display stand. Musician's stand.
Stand. P. Timko. 2,237,513; Apr. 8.
Starch and starch products, System for making. P. R. King and R. D. Baker. 2,237,561; Apr. 8.
Starting device, particularly for internal combustion engines. W. Pabst. 2,237,970; Apr. 8.
Station, Waiting. J. G. Anderson. 2,237,385; Apr. 8.
Steel, The deoxidation and degasification of. P. Hardt 2,237,485; Apr. 8.
Steering connection for outboard motors. J. N. Landgraf, Jr. 2,237,834; Apr. 8.
Stenciling. P. A. Grimsted. 2,237,734; Apr. 8.
Stocking, Full-fashioned. H. Thierfelder and E. Dietz 2,237,893; Apr. 8.
Stoker. W. T. Hanna. 2,237,428; Apr. 8.
Stoker. P. A. Ketchpel. 2,237,938; Apr. 8.
Stoker drive. E. R. Stone. 2,237,871; Apr. 8.
Stop motion for textile machine. W. J. McKinney 2,237,495; Apr. 8.
Stop, Silencing. R. C. Boyd. 2,237,404; Apr. 8.
Stopper, Interlocking sink. E. Butt. 2,237,546; Apr. 8.
Stove, Liquid fuel. D. H. Lapointe. 2,237,674; Apr. 8.
Strip breaking machine. M. A. Spayd and R. G. Ratchford. 2,237,320; Apr. 8.
Structural steel tower. A. Kendrick. 2,237,965; Apr. 8.
Structures, Washing threadlike. F. B. Ridgway. 2,237,844; Apr. 8.
Styrene oxide and the derivatives thereof, Preparation of. F. N. Alquist and C. O. Guss. 2,237,284; Apr. 8.
Substation, Portable unit. E. V. De Bilioux. 2,237,812; Apr. 8.
Sulphanilamide, Preparation of. J. K. Simons. 2,237,372; Apr. 8.
Sulphanilamides and process for making them, Camphorylidene. J. Ebert. 2,237,342; Apr. 8.
Sulphuric acid process, Contact. C. B. Clark. 2,238,012; Apr. 8.
Support: *See*—
Gun support. Pipe tong support.
Ladder support. Universal work support.
Support for adjustable change gear studs. W. F. Zimmermann. 2,237,466; Apr. 8.
Supporting device, Adjustable. A. J. Rhodes. 2,237,843; Apr. 8.
Suspension and releasing of ships' boats from davits. H. G. Taylor. 2,237,512; Apr. 8.
Swedge. J. A. Zublin. 2,237,538; Apr. 8.
Switch: *See*—
Antenna switch.
Switch. C. Weschcke. 2,237,464; Apr. 8.
Switch actuating mechanism. R. H. Olley. 2,237,530; Apr. 8.
Switchboard. W. M. Scott, Jr. 2,237,367; Apr. 8.
Switching system, Teletypwriter. H. J. Britt. 2,237,473; Apr. 8.
Swivel, Rotary. W. A. Shaw and A. O. A. Hodge. 2,237,715; Apr. 8.
Tabulating mechanism. W. W. Lasker. 2,237,908; Apr. 8.
Tank: *See*—
Flush tank.
Tanker resistant to penetration by corrosion, Gasoline. A. Wesley. 2,237,321; Apr. 8.
Teeth, Production of artificial. H. Hollmann. 2,237,350; Apr. 8.
Telegraph system. J. T. Nelswinter. 2,237,498; Apr. 8.
Telephone system. J. W. Clark. 2,237,413; Apr. 8.
Telephone system. E. B. Ferrell. 2,237,419; Apr. 8.
Telephone system. G. V. King. 2,237,906; Apr. 8.
Television system. R. D. Compton. 2,237,655; Apr. 8.
Telephone system. A. A. Lundstrom. 2,237,742; Apr. 8.
Television system. R. Urtel. 2,237,640; Apr. 8.
Television transmitting tube. J. D. McGee and H. G. Lubszynski. 2,237,681; Apr. 8.
Temperature controlling bag. V. B. Padelford. 2,237,971; Apr. 8.
Temperature regulator. J. V. Giesler. 2,237,732; Apr. 8.
Temperature regulator. B. F. Waddell. 2,237,720; Apr. 8.
Tempering machine for wheat or other grain. P. W. Thomas. 2,237,798; Apr. 8.
Testing apparatus. A. N. Hanson and S. F. Warner. 2,237,666; Apr. 8.
Thermometer and manufacturing the same, Resistance. H. G. Doll. 2,238,015; Apr. 8.
Thread removal attachment for recording mechanism. R. Sinclair. 2,237,638; Apr. 8.
Three-heat pad. E. C. Taylor. 2,237,852; Apr. 8.
Tire casing and producing the same. P. E. Hawkinson. 2,237,819; Apr. 8.
Tire inflation signal. J. D. Francisco. 2,237,524; Apr. 8.
Titanium carbide and making the same. R. R. Ridgway. 2,237,503; Apr. 8.
Tobacco product. W. H. Mason. 2,237,995; Apr. 8.
Tone keyer with common source of energy. H. O. Peterson. 2,237,631; Apr. 8.
Tool: *See*—
Garden tool. Machine tool.
Tool blank. G. C. Wharton. 2,237,722; Apr. 8.
Toothbrush. B. Altstadt. 2,237,694; Apr. 8.
Toy airplane and method of making same. T. D. Wilden 2,237,693; Apr. 8.
Toy assembly. F. Bischof. 2,237,329; Apr. 8.
Toy boat. D. Palmones. 2,237,012; Apr. 8.
Toy cannon. J. M. Michaelson. 2,237,529; Apr. 8.
Toy railroad. H. J. Ferri. 2,237,662; Apr. 8.
Toy, Repeating cork shooting. R. J. Lohr and R. C. Straw. 2,237,678; Apr. 8.
Track circuit apparatus, Railway. B. E. O'Hagan. 2,237,789; Apr. 8.
Track lubricator. E. Overmier, T. Rodman and S. E. Bates. 2,237,312; Apr. 8.
Tractor. J. Kales. 2,237,937; Apr. 8.
Traffic controlling apparatus, Railway. E. M. Allen and H. S. Young. 2,237,805; Apr. 8.
Traffic controlling apparatus, Railway. F. H. Nicholson. 2,237,788; Apr. 8.
Trailer construction. R. W. Pointer. 2,238,001; Apr. 8.
Tramway, Monocable. C. M. Hansen. 2,237,735; Apr. 8.
Transfer mechanism, Receptacle. H. C. Frentzel, Jr., and H. A. Strelow. 2,237,345; Apr. 8.
Transmission, Automatic. O. H. Banker. 2,237,297; Apr. 8.
Transmission, Automatic. R. Hofmann, Jr. 2,237,433; Apr. 8.
Transmission for airplane motors and the like, Adjustable. J. Hlasney, Jr. 2,237,934; Apr. 8.
Transmission, Motor and pump. E. Higgins. 2,237,430; Apr. 8.
Transmitter, Ultra high frequency. O. E. Dow and N. E. Lindenblad. 2,237,415; Apr. 8.
Traveling case. E. S. Kennedy. 2,237,992; Apr. 8.
Tray. N. Glazer. 2,237,525; Apr. 8.
Tray rack. J. R. Poynter. 2,237,361; Apr. 8.
Trenching machine. W. G. Van Voorhis, R. N. Bennett, and C. L. George. 2,237,773; Apr. 8.
Triethyl amine from reaction mixtures, Separation of. J. F. Olin and G. E. Hinds. 2,237,628; Apr. 8.
Trimmer, Garment bottom. I. A. Chalkin. 2,237,925; Apr. 8.
Trip mechanism for tail gates. J. L. McClish. 2,237,838; Apr. 8.
Trolley system. C. L. Delachaux. 2,237,590; Apr. 8.
Truck, Stabilized. E. W. Webb. 2,237,953; Apr. 8.
Truck, Stainless steel. R. Eksergian, R. H. Horton, H. K. Harwick, and N. K. Skivesen. 2,237,757; Apr. 8.

Truss pad. L. A. Fritsch. 2,237,865; Apr. 8.
Truss. N. D. Klein. 2,237,939; Apr. 8.
Tube: *See*—
Television transmitting tube.
Tuning mechanism, Adjustable. J. J. Hobing. 2,237,487; Apr. 8.
Typewriting and like machines. C. E. Smith. 2,237,770; Apr. 8.
Universal work support. C. G. Roberts. 2,237,615; Apr. 8.
Vacuum-cleaner bag. R. K. Österdahl. 2,237,499; Apr. 8.
Vacuum holder for negative plates. W. C. Huebner. 2,237,704; Apr. 8.
Valve: *See*—
Dispensing valve. Gate valve.
Emergency valve. Reset valve.
Valve. G. A. Iler. 2,237,784; Apr. 8.
Valve construction. M. H. Grove. 2,237,554; Apr. 8
Valve device. J. A. Bender. 2,237,409; Apr. 8.
Valve for door checks and closers. F. M. Newell. 2,237,841; Apr. 8.
Valve tappet for internal combustion engines, Compensating hydraulic. C. Voorhies. 2,237,854; Apr. 8.
Vehicle: *See*—
Dual wheel vehicle. Rear engine vehicle.
Vehicle wheel. C. Ferro. 2,237,481; Apr. 8.
Venetian blind. J. A. Stoble. 2,237,850; Apr. 8.
Venetian blind, Sectional. H. A. Adams and W. B. Files. 2,237,539; Apr. 8.
Ventilating apparatus. J. D. Strobell. 2,237,771; Apr. 8.
Vessel, Casting. B. Zunckel. 2,237,723; Apr. 8.
Vinylidene chloride copolymer. A. W. Hanson and W. C. Goggin. 2,238,020; Apr. 8.
Viscosimeter. B. D. McIntyre. 2,237,743; Apr. 8.
Viscosity-lowering product and making the same. S. Jordan. 2,237,441; Apr. 8.
Visor. J. Goldman. 2,237,700; Apr. 8.
Volume control, Automatic. D. E. Foster. 2,237,421; Apr. 8.
Volume control circuit, Automatic. D. G. Burnside. 2,237,409; Apr. 8.
Vulcanization of rubber. R. L. Sibley. 2,237,769; Apr. 8.
Wall construction. H. H. Burson. 2,237,777; Apr. 8.
Wallboard, Method and apparatus for manufacturing. J. K. Duncan. 2,238,017; Apr. 8.
Warning signal. W. I. Rusche. 2,237,607; Apr. 8.
Washer: *See*—
Gas washer.
Washing machine. G. W. Dunham 2,237,813; Apr. 8.
Watch case, Initial wrist. B. Lazrus. 2,237,675; Apr. 8.
Water and air projecting device. F. W. Ille. 2,237,436; Apr. 8.
Water and other volatiles, Detecting. E. G. Ragatz. 2,237,824; Apr. 8.
Water heater and control therefor. L. F. Berg. 2,237,808; Apr. 8.
Water, Purification of. J. H. Morgan. 2,237,711; Apr. 8.
Wave motion into electrical energy, Conversion of. B. Baumzweiger. 2,237,298; Apr. 8.
Weed gun. N. F. Rea. 2,237,447; Apr. 8.
Weight recording mechanism for dump cars. E. W. Schellentrager. 2,237,845; Apr. 8.
Weld, Probing a. E. B. Maillart. 2,237,570; Apr. 8.
Weld probing apparatus. E. B. Maillart. 2,237,571; Apr. 8.
Welding equipment. H. T. Platz. 2,237,747; Apr. 8.
Welding machine. F. M. Darner. 2,237,551; Apr. 8.
Welds and product, Treating. R. E. Spaulding. 2,237,716; Apr. 8.
Well bore walls, Treating. C. F. Prutton. 2,237,313; Apr. 8.
Well cap. H. R. Mark. 2,237,680; Apr. 8.
Well casing, method and apparatus for suspending. B. S. Minor. 2,237,683; Apr. 8.
Well pump lock. D. W. Hoferer. 2,237,703; Apr. 8.
Well pumping apparatus. E. K. Burgher. 2,237,408; Apr. 8.
Wheel: *See*—
Detachable wheel. Vehicle wheel.
Roller wheel.
Wheel balancing device. J. A. Purvis. 2,237,501; Apr. 8.
Width indicating device, Strip. W. D. Cockrell. 2,237,811; Apr. 8.
Wind operated generator. W. R. Winderl. 2,237,857; Apr. 8.
Window casing. W. W. Stevenson. 2,237,609; Apr. 8.
Window lock. E. V. Mitchell. 2,237,996; Apr. 8.
Window structure, Circular. C. H. Biedermann. 2,237,696; Apr. 8.
Window, Variable density. E. H. Land. 2,237,566; Apr. 8.
Wire drawing apparatus. A. Simons. 2,237,371; Apr. 8.
Wire supply means, Filler. H. M. Steuer. 2,237,375; Apr. 8.
Wire winding machine. M. Johnson and L. J. Smith. 2,237,560; Apr. 8.
Wrapper, Shirt. L. Bischoff. 2,237,330; Apr. 8.

CLASSIFICATION OF PATENTS

ISSUED APRIL 8, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

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Adler Sons Shoe Corporation, New York, N. Y. Shoes. Serial No. 439,400; Apr. 15. Class 39.

Agricultural Trade Relations, Inc., Stockton, Calif. Magazine published at recurring intervals. Serial No. 433,648; Apr. 15. Class 38.

Aiken, Frank W., Moberly, Mo. Expanding land anchors. Serial No. 440,303; Apr. 15. Class 13.

Alden Mills, The, New Orleans, La. Hosiery. Serial No. 440,400; Apr. 15. Class 39.

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Ampol Inc., New York, N. Y. Ham. Serial No. 439,921; Apr. 15. Class 46.

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Arango y Arango, Tampa, Fla. Cigars. Serial No. 437,498; Apr. 15. Class 17.

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Artistic Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières, etc. Serial No. 440,670; Apr. 15. Class 39.

Barber, John C., Denver, Colo. Board game played with movable pieces and a spinner. Serial No. 440,904; Apr. 15. Class 22.

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Bendix Aviation Corporation, Bendix, N. J. Electrical transmitting and/or receiving devices. Serial No. 440,534; Apr. 15. Class 21.

Bitting Incorporated, New York, N. Y. Sugar and blackstrap molasses. Serial No. 439,796; Apr. 15. Class 46.

Bituminous Coal Stokers Inc., Durango, Colo. Coal stokers. Serial No. 440,355; Apr. 15. Class 34.

Blankson Clothes, Inc., New York, N. Y. Suits, overcoats, top-coats, etc. Serial No. 440,312; Apr. 15. Class 39.

Bon Marche, The. (See Allied Stores Corporation.)

Borden Company, The, New York, N. Y. Pasteurized cheese food mixture. Serial No. 440,539; Apr. 15. Class 46.

Borden Company, The, doing business as Borden's Ice Cream Company, Baltimore, Md. Ice cream. Serial No. 440,712; Apr. 15. Class 46.

Borg-Warner Corporation, Chicago, Ill. Wire cloth materials. Serial No. 422,994; Apr. 15. Class 13.

Botanical Laboratories. (See Wood, William H.)

Bradas & Gheens, Inc., Louisville, Ky. Candy. Serial No. 438,860; Apr. 15. Class 46.

Burros & Burros, Inc., New York, N. Y. Artificial flowers. Serial No. 440,038; Apr. 15. Class 40.

Canadian Mill & Elevator Company, El Reno, Okla. Wheat flour. Serial No. 440,740; Apr. 15. Class 46.

Carbonated Beverages, Inc., Detroit, Mich. Maltless beverages and concentrates for making the same. Serial No. 438,976; Apr. 15. Class 45.

Cat's Paw Rubber Company, Inc., Baltimore, Md. Heels and soles. Serial No. 440,441; Apr. 15. Class 39.

Cat's Paw Rubber Company, Inc., Baltimore, Md. Rubber heels and soles. Serial No. 440,448; Apr. 15. Class 39.

Certified Products, Inc., Washington, D. C. Hair dyes. Serial No. 441,388; Apr. 15. Class 6.

Circulation & Market Audits, Inc., New Haven, Conn. Publications. Serial No. 426,642; Apr. 15. Class 38.

Claire Manufacturing Co., Chicago, Ill. Cleaning compounds for the skin, and for fabric, glass, and painted surfaces. Serial No. 430,760; Apr. 15. Class 4.

Clayton, William L., Harmony, Pa. Portable cooling fans, wall fans, blowers, etc. Serial No. 439,408; Apr. 15. Class 34.

Cohen, A., Brassieres, Inc., New York, N. Y. Foundation garment. Serial No. 440,150; Apr. 15. Class 39.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 440,801; Apr. 15. Class 42.

Columbia Fluorescent Company, Chicago, Ill. Electric lamps and lighting fixtures. Serial No. 440,619; Apr. 15. Class 21.

Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis. Coated paper. Serial No. 439,194; Apr. 15. Class 37.

Continental Hosiery Corp., New York, N. Y. Hosiery. Serial No. 440,675; Apr. 15. Class 39.

Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. Serial No. 440,804; Apr. 15. Class 13.

Crystal, David, Inc., New York, N. Y. Fabrics in the piece. Serial No. 440,919; Apr. 15. Class 42.

Davala, John J., Passaic, N. J. Board game played with movable pieces. Serial No. 441,235; Apr. 15. Class 22.

Dayton Rubber Manufacturing Company, Dayton, Ohio. Sponge rubber. Serial No. 437,337; Apr. 15. Class 1.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Rubber hose and rubber belting. Serial No. 440,714; Apr. 15. Class 35.

De Botelho, Martin, doing business as Alexandra de Markoff, New York, N. Y. Cosmetics. Serial No. 440,319; Apr. 15. Class 6.

De Markoff, Alexandra. (See De Botelho, Martin.)

Dlapin Company, The. (See Johnsten, Clarence W.)

Dietz Gum Co. of Chicago, doing business as Dietz Gum Co., Chicago, Ill. Chewing gum. Serial No. 439,996; Apr. 15. Class 46.

Dolces Dresses, Inc., New York, N. Y. Dresses. Serial No. 440,157; Apr. 15. Class 39.

Don Juan, Inc., New York, N. Y. Lipstick, rouge, and face powder. Serial No. 440,044; Apr. 15. Class 6.

Durable Toy & Novelty Corp., New York, N. Y. Toy coin banks. Serial No. 440,646; Apr. 15. Class 22.

Eagle Knitting Mills, Inc., Milwaukee, Wis. Caps. Serial No. 440,085; Apr. 15. Class 39.

Eastman Kodak Company, Rochester, N. Y. Piece goods. Serial No. 440,809; Apr. 15. Class 42.

Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. Serial No. 440,087; Apr. 15. Class 1.

Elkay Manufacturing Co., Chicago, Ill. Cabinet sinks and sink tops. Serial No. 440,463; Apr. 15. Class 13.

Emelold Co., Inc., The, Arlington, N. J. Curtain hooks, drape hangers, hangers for pictures, and mirrors. Serial No. 440,810; Apr. 15. Class 13.

Everedy Company, The, Frederick, Md. Base metal cooking hollowware. Serial No. 439,336–7; Apr. 15. Class 13.

Eye in the Sky, Jacksonville, Fla. Cameras. Serial No. 440,325; Apr. 15. Class 26.

Farley, Russell, & Company, Akron, Ohio. Insecticides. Serial No. 441,395; Apr. 15. Class 6.

Fillauer, George W., Chattanooga, Tenn. Ointment containing cod liver oil and zinc oxide. Serial No. 440,239; Apr. 15. Class 6.

Fischer, Philip, Chicago, Ill. Non-alcoholic beverages and syrups and extracts used for soft drinks. Serial No. 440,000; Apr. 15. Class 45.

Ford, J. B., Company, The, Wyandotte, Mich. Cleaning, cleansing, and detergent preparation. Serial No. 436,428; Apr. 15. Class 4.

General Binding Corporation, Chicago, Ill. Binders for books, catalogs, and pamphlets. Serial No. 439,101; Apr. 15. Class 37.

General Motors Corporation, Detroit, Mich. Machine elements—namely, clutch facings, and brake linings. Serial No. 437,863; Apr. 15. Class 35.

General Time Instruments Corporation, New York, N. Y., and Peru, Ill. Clocks and watches. Serial No. 438,506; Apr. 15. Class 27.

Granko Corporation, Trenton, N. J. Beer coolers. Serial No. 441,018; Apr. 15. Class 31.

Greenberg, Samuel, doing business as Lorraine Pipe Shop, New York, N. Y. Pipe tobacco. Serial No. 439,514; Apr. 15. Class 17.

Halsell-Humphrey, Incorporated, Oklahoma City, Okla. Scripts for a series of radio broadcasts. Serial No. 438,335; Apr. 15. Class 38.

Hardison, James W., Yakima, Wash. Solid fuel burning camp stoves. Serial No. 438,982; Apr. 15. Class 34.

Harris Coal Corporation, Cleveland, Ohio. Coal. Serial No. 440,092; Apr. 15. Class 1.

Hemet Mutual Groves, Hemet, Calif. Fresh citrus fruits. Serial No. 440,555; Apr. 15. Class 46.

Herbert, Faye, New York, N. Y. Slide fasteners. Serial No. 439,545; Apr. 15. Class 13.

Higginson, George J., New York, N. Y. Dinner sets of earthenware. Serial No. 438,735; Apr. 15. Class 30.

Hipsh, Inc., Kansas City, Mo. Sportswear. Serial No. 440,006; Apr. 15. Class 39.

Homasote Company, Inc., Fernwood, N. J. Fibrous sheet material for use in the manufacture of shoe heels, inner soles, etc. Serial No. 435,905; Apr. 15. Class 50.

Hudor Co., The, Buffalo, N. Y. Maltless beverage, and syrups, extracts, and concentrates for making the same. Serial No. 440,466; Apr. 15. Class 45.

Huyck, F. C., & Sons, Albany, N. Y. Blankets. Serial No. 440,782–3; Apr. 15. Class 42.
Hygiene Products Company, Inc., Temple City, Calif. Septic tanks. Serial No. 439,510; Apr. 15. Class 13.
Illinois Malleable Iron Company, Chicago, Ill. Hatchets, hammers, and axes. Serial No. 440,594; Apr. 15. Class 23.
Ireks Aktiengesellschaft Kulmbach, Kulmbach, Germany. Articles for baking purposes, i. e., bacteriologics, enzymatics, water-binding and chemical, etc. Serial No. 438,243; Apr. 15. Class 46.
Johnston, Clarence W., doing business as The Diapin Company, Portland, Oreg. Safety pin set. Serial No. 437,774; Apr. 15. Class 40.
Jönköpings Och Vulcans Tandsticksfabriksaktiebolag, Jönköping, Sweden. Matches. Serial No. 434,119; Apr. 15. Class 9.
Katakura Seishi Boseki Kabushiki Kaisha, Tokyo, Japan. Raw silk. Serial No. 414,296; Apr. 15. Class 1.
Kayser, Julius, & Co., New York, N. Y. Hosiery. Serial No. 440,599–600; Apr. 15. Class 39.
Kelray Knitting Mills. (See Krumholz & Lichtblau.)
Kitchen Kraft Foods Corporation, doing business as Majestic Maid Food Company, Brooklyn, N. Y. Potato pancake mix. Serial No. 439,230; Apr. 15. Class 46.
Klarion Merchandising Corporation, New York, N. Y. Lettering paint. Serial No. 440,127; Apr. 15. Class 16.
Klein, Jules, & Joseph Muller, Inc., New York, N. Y. Watches. Serial No. 439,777; Apr. 15. Class 27.
Kleinert, I. B., Rubber Company, New York, N. Y. Corsets, girdles, and foundation garments. Serial No. 440,417; Apr. 15. Class 39.
Krumholz & Lichtblau, doing business as Kelray Knitting Mills, New York, N. Y. Panties, step-ins, etc. Serial No. 440,128; Apr. 15. Class 39.
Lady Baltimore Candy Co. (See Voogt, C. E., Candy Co.)
Lansburgh & Bro., Washington, D. C. Shoes, dresses, coats, etc. Serial No. 439,936–7; Apr. 15. Class 39.
Lansburgh & Bro., Washington, D. C. Shoes, shirts, pajamas, etc. Serial No. 439,938–9; Apr. 15. Class 39.
Lelong, Lucien, Inc., Chicago, Ill. Lipsticks. Serial No. 440,256; Apr. 15. Class 6.
Levinthal, Alpren, Corp., New York, N. Y. Piece goods. Serial No. 440,767; Apr. 15; Class 42.
Lorraine Pipe Shop. (See Greenberg, Samuel.)
Luxuray, Inc., New York, N. Y. Slips, petticoats, bloomers, etc. Serial No. 440,337; Apr. 15. Class 39.
Majestic Maid Food Company. (See Kitchen Kraft Foods Corporation.)
Marshall-Wells Company, doing business as Zenith Rubber Co., Duluth, Minn. Automobile and bicycle tires and tubes. Serial No. 441,401; Apr. 15. Class 35.
McCoy, Jones & Company, Inc., Chicago, Ill. Containers. Serial No. 440,726; Apr. 15. Class 2.
McCrory Stores Corporation, New York, N. Y. Typewriter ribbons. Serial No. 437,389; Apr. 15. Class 11.
McCullough, J. Chas., Seed Company, The, Cincinnati, Ohio. Uncooked popcorn. Serial No. 438,078; Apr. 15. Class 46.
McLean Products, Inc., Mamaroneck, N. Y. Stabilizer for frozen confections, chocolate milk, etc. Serial No. 439,941–2; Apr. 15. Class 46.
Meredyne Corporation, The, Baltimore, Md. Preparation for air and travel sickness. 440,171; Apr. 15. Class 6.
Meyer Canning Co., Edinburg, Tex. Canned citrus fruit juices for food purposes. Serial No. 438,511; Apr. 15. Class 46.
Miller, I. & Sons, Inc., Long Island City, N. Y. Shoes. Serial No. 440,561; Apr. 15. Class 39.
Mock, Judson, Voehringer Co. of New York, Inc., Long Island City, N. Y. Magazine section. Serial No. 440,289; Apr. 15. Class 38.
Muller, Joseph. (See Klein, Jules, & Joseph Muller, Inc.)
Nu-Dent Porcelain Studio, Inc., New York, N. Y. Dental crowns for covering teeth. Serial No. 439,725; Apr. 15. Class 44.
Orange-Crush Company, Chicago, Ill. Non-alcoholic, maltless beverages and concentrates and compounds for making same. Serial No. 440,875; Apr. 15. Class 45.
Owens Staple-Tied Brush Company, The, Toledo, Ohio. Toothbrushes. Serial No. 433,806; Apr. 15. Class 29.
Palmer, William H., doing business as W. H. Palmer Company, Topeka, Kan. Liquid adhesive cement. Serial No. 432,695; Apr. 15. Class 5.
Pan American Band Instrument and Case Company, Elkhart, Ind. Periodical publication. Serial No. 440,787; Apr. 15. Class 38.
Paramount Shoe Manufacturing Company, St. Louis, Mo. Shoes. Serial No. 437,350; Apr. 15. Class 39.
Paul, Richard, Inc., Wilmington, Del. Low socks or under socks. Serial No. 428,170; Apr. 15. Class 39.
Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Acid and alkali-proof building cements. Serial No. 439,662; Apr. 15. Class 12.
Pfeiffer, S., Mfg. Co., St. Louis, Mo. Medicinal products and preparations. Serial No. 440,263; Apr. 15. Class 6.
Phillips-Jones Corporation, New York, N. Y. Shirts, pajamas, underwear, etc. Serial No. 440,379; Apr. 15. Class 39.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 439,975; Apr. 15. Class 46.
Pressman, J., & Co., Inc., New York, N. Y. Toy easels. Serial No. 441,289; Apr. 15. Class 22.
Products, Inc., Denver, Colo. Garment hangers. Serial No. 439,295; Apr. 15. Class 50.
Quality Products, Inc., La Feria, Tex. Canned vegetables and canned fruit juice for food purposes. Serial No. 439,254; Apr. 15. Class 46.
Raphael Weill & Company, San Francisco, Calif. Shoes. Serial No. 440,529; Apr. 15. Class 39.
Reliable Cement Mfg. Co. (See Richman, Louis S.)
Richman, Louis S., doing business as Reliable Cement Mfg. Co., New York, N. Y. Quick drying adhesive cement. Serial No. 428,331; Apr. 15. Class 5.
Riverside & Dan River Cotton Mills, Inc., New York, N. Y., and Danville, Va. Diapers. Serial No. 440,133; Apr. 15. Class 39.
Rope Soles, Inc., New York, N. Y. Shoes. Serial No. 439,057; Apr. 15. Class 39.
Rosenberg, Robert, doing business as Rosenberg Garment Co., St. Louis, Mo. Ladies' suits, coats, and dresses. Serial No. 428,087; Apr. 15. Class 39.
Rowe, C. L., Corporation, Brooklyn, N. Y. Ready-mixed paints and synthetic paint enamel. Serial No. 438,425; Apr. 15. Class 16.
Sasaki, Henry Y., Los Angeles, Calif. Vegetables. Serial No. 440,734; Apr. 15. Class 46.
Schaffran & Landa, Inc., New York, N. Y. Piece goods. Serial No. 440,883; Apr. 15. Class 42.
Scolding Locks Corporation, Appleton, Wis. Hairpins and bobby pins. Serial No. 437,837; Apr. 15. Class 40.
Scully Signal Company, East Cambridge, Mass. Liquid level indicators. Serial No. 440,388; Apr. 15. Class 26.
Selig Company, The, Atlanta, Ga. Insecticides. Serial No. 439,475; Apr. 15. Class 6.
Sewerage Commission of the City of Milwaukee, Milwaukee, Wis. Artificial fertilizers. Serial No. 440,270; Apr. 15. Class 10.
Sherwin-Williams Co., The, Cleveland, Ohio. Naphthalene acetic acid spray. Serial No. 440,664; Apr. 15. Class 6.
Shield Foods, Inc., Buffalo, N. Y. Canned peach nectarine nectar and canned pear nectar. Serial No. 438,815; Apr. 15. Class 46.
Shore, Helen M., doing business as Tru-Poise Company, Philadelphia, Pa. Corsets and foundation garments. Serial No. 439,299; Apr. 15. Class 39.
Silverman, B. M., Washington, D. C. Tooth brushes. Serial No. 439,300; Apr. 15. Class 29.
Southland Wine Corporation, Richmond, Va. Wines. Serial No. 440,295–7; Apr. 15. Class 47.
Stackpole Carbon Company, St. Marys, Pa. Fluid conductors—i. e. pipes, fittings and valves. Serial No. 440,222; Apr. 15. Class 13.
Standard Brands Incorporated, New York, N. Y. Dry yeast. Serial No. 403,526; Apr. 15. Class 46.
Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits. Serial No. 435,097; Apr. 15. Class 39.
Stonekirk Worsted Company, New York, N. Y. Woolen goods in the piece. Serial No. 440,966; Apr. 15. Class 42.
Streator Canning Company, Streator, Ill. Canned vegetables and canned corn meal mush. Serial No. 437,158; Apr. 15. Class 46.
Sylmar Packing Corp., Los Angeles, Calif. Canned fruits, canned vegetables, and olives. Serial No. 438,419; Apr. 15. Class 46.
Taylor Instrument Companies, Rochester, N. Y. Thermometers. Serial No. 439,639; Apr. 15. Class 26.
Terminal Grain Company, Fort Worth, Tex. Seed grains and field seeds. Serial No. 418,657; Apr. 15. Class 1.
Trend, Incosmetic, Portland, Oreg. Cosmetics. Serial No. 441,381; Apr. 15. Class 6.
Tru-Poise Company. (See Shore, Helen M.)
Visking Corporation, The, Chicago, Ill. Transparent merchandise protectors. Serial No. 440,105; Apr. 15. Class 2.
Visking Corporation, The, Chicago, Ill. Merchandise protectors. Serial No. 440,106; Apr. 15. Class 2.
Visking Corporation, The, Chicago, Ill. Artificial sausage casings. Serial No. 440,107; Apr. 15. Class 2.
Voogt, C. E., Candy Co., doing business as Lady Baltimore Candy Co., Chicago, Ill. Candy. Serial No. 437,980; Apr. 15. Class 46.
Wade Electric Products Company, Sturgis, Mich. Sockets, socket assemblies, terminal or junction blocks, etc. Serial No. 439,508; Apr. 15. Class 21.
Welby Dresses Incorporated, New York, N. Y. Misses', women's, and girls' dresses. Serial No. 438,915; Apr. 15. Class 39.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Testing instruments. Serial No. 438,522; Apr. 15. Class 26.
Wilson Brothers, Chicago, Ill. Men's and boys' sport coats and jackets. Serial No. 418,859; Apr. 15. Class 39.
Winget Kickernick Company, Minneapolis, Minn. Slips. Serial No. 440,737; Apr. 15. Class 39.
Wood, William H., doing business as Botanical Laboratories, Chicago, Ill. Making trifoliate. Serial No. 440,038; Apr. 15. Class 6.
Zenith Rubber Co. (See Marshall-Wells Company.)

LIST OF REGISTRANTS OF TRADE-MARKS

A. B. T. Manufacturing Corp., Chicago, Ill. Air rifles. 386,558; Apr. 15; Serial No. 437,985; published Feb. 4, 1941. Class 9.
Abbott Laboratories, North Chicago, Ill. Capsules. 386,577; Apr. 15; Serial No. 438,426; published Feb. 4, 1941. Class 2.
Abbott Laboratories, North Chicago, Ill. Chemicals, drugs, antiseptics, etc. 386,593; Apr. 15; Serial No. 438,716; published Feb. 4, 1941. Class 6.
Abbott Laboratories, North Chicago, Ill. Medicinal compound. 386,602–3; Apr. 15; Serial Nos. 439,086–7; published Feb. 4, 1941. Class 6.
Abilene Flour Mills Company, The, Abilene, Kans. Wheat flour. 386,534; Apr. 15; Serial No. 437,611; published Feb. 4, 1941. Class 46.
Ace Welding Laboratories, St. Paul, Minn. Glass windows. 386,574; Apr. 15; Serial No. 438,324; published Feb. 4, 1941. Class 26.
Allen Packing Company, Inc., Thomasville, Ga. Canned fruits, canned vegetables. 386,474; Apr. 15; Serial No. 427,326; published Feb. 4, 1941. Class 46.
American Society of Agricultural Engineers, Ames, Iowa, to American Society of Agricultural Engineers, St. Joseph, Mo., successor. Monthly publication. 143,890; renewed June 21, 1941.
Ansbacher Siegle Corporation, New York, N. Y. Blue pigment for paints. 386,581; Apr. 15; Serial No. 438,465; published Feb. 4, 1941. Class 16.
Ansbacher Siegle Corporation, New York, N. Y. Varnishes for water color paints. 386,582; Apr. 15; Serial No. 438,466; published Jan. 28, 1941. Class 16.
Apponaug Company, The, Apponaug, R. I. Piece goods. 386,527; Apr. 15; Serial No. 437,261; published Jan. 28, 1941. Class 42.
Aridus Products. (See Speciale, Mariatta.)
Armstrong Packing Company, assignor to Armstrong Packing Company, Dallas, Tex. Meat food. 141,848; renewed May 3, 1941.
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 386,564; Apr. 15; Serial No. 438,106; published Feb. 4, 1941. Class 6.
Associated First National Pictures Inc., assignor, by mesne assignments, to Warner Bros. Pictures, Inc., New York, N. Y. Motion-picture films. 144,690; renewed July 19, 1941.
Atlanta Stove Works, assignor, by mesne assignments, to The Atlanta Stove Works, Inc., Atlanta, Ga. Stoves other than electric. 143,896; renewed June 21, 1941.
Barbey's, Inc., Reading, Pa. Beer, ale, porter, and stout. 386,586; Apr. 15; Serial No. 438,526; published Jan. 28, 1941. Class 48.
Barett, William, doing business as Sun-Magnet Company, New York, N. Y. Reflectors for catching, diffusing, and throwing diffused sun rays upon the human body. 386,599; Apr. 15; Serial No. 438,829; published Feb. 4, 1941. Class 44.
Barron, Edward T., trading under the name of Barron Chemical Products Company, Minneapolis, Minn. Carbon remover. 386,489; Apr. 15; Serial No. 429,968; published Feb. 4, 1941. Class 6.
Bartels Brewing Company, The, Kingston, Pa. Keg and bottle beer, ale, and porter. 386,635; Apr. 15. Class 48.
Bathé, Charles G., Tulsa, Okla. Coffee, salad dressing, pancake flour, etc. 386,465; Apr. 15; Serial No. 416,490; published Aug. 1, 1939. Class 46.
Beacon Manufacturing Company, Swannanoa, N. C. Blankets. 386,622–4; Apr. 15. Class 42.
Beiser, Edward T., Co., New York, N. Y., to Edward T. Beiser Co., doing business as Chauret Fils, Stamford, Conn. Liquid flower-oils for perfumes. 139,967; renewed Mar. 1, 1941.
Beiser, Edward T., Co., New York, N. Y., to Edward T. Beiser Co., Stamford, Conn. Liquid essential oils and aromatic compounds for perfumes. 139,968; renewed Mar. 1, 1941.
Beiser, Edward T., Co., New York, N. Y., to Edward T. Beiser Co., doing business as Chauret Fils, Stamford, Conn. Fluid resins. 140,078; renewed Mar. 8, 1941.
Beissel, Stephan, Sel. Wwe. & Sohn, Aachen, Germany. Needles. 18,321; re-renewed Aug. 19, 1940.
Beissel, Stephan, Sel. Wwe. & Sohn, Aachen, Germany. Sewing needles. 18,574; re-renewed Nov. 4, 1941.
Bel Paese Sales Co., Inc., New York, N. Y. Cheese. 386,552; Apr. 15; Serial No. 437,933; published Feb. 4, 1941. Class 46.
Bendix Aviation Corp. (See Eclipse Machine Company, assignor.)
Berks Lehigh Cooperative Fruit Growers, Inc., Boyertown, Pa. Apple juice for beverage purposes. 386,595; Apr. 15; Serial No. 438,756; published Feb. 4, 1941. Class 45.
Berne, Estelle. (See Barett, William, assignor.)
Berry, John H., doing business as Chektest Laboratories, Los Angeles, Calif. Dairy products. 386,625; Apr. 15. Class 46.
Berst-Forster-Dixfield Company, New York, N. Y. Paper towel dispensers. 386,569; Apr. 15; Serial No. 438,261; published Feb. 4, 1941. Class 23.
Best Blades, Inc., Newark, N. J. Razor blades. 386,620; Apr. 15. Class 23.
Beverwyck Breweries, Inc., Albany, N. Y. Beer, ale, and other malt beverages. 386,531; Apr. 15; Serial No. 437,430; published Feb. 4, 1941. Class 48.
Beverwyck Breweries, Inc., Albany, N. Y. Beer, ale, and other malt beverages. 386,532; Apr. 15; Serial No. 437,499; published Feb. 4, 1941. Class 48.
Bloomsburg Silk Mill, New York, N. Y. Rayon piece goods. 386,533; Apr. 15; Serial No. 437,500; published Jan. 28, 1941. Class 42.
Bohannon, Wallace C., doing business as Bohannon Canning Company and J. M. Bohannon Canning Co., McAllen, Tex. Canned grapefruit juice for food purposes, canned grapefruit and canned vegetables. 386,632; Apr. 15. Class 46.
Bohemian Distributing Company, Los Angeles, Calif. Rum. 386,542; Apr. 15; Serial No. 437,755; published Feb. 4, 1941. Class 49.
Botany Worsted Mills, Passaic, N. J. Woolen and worsted piece goods. 386,576; Apr. 15; Serial No. 438,371; published Jan. 28, 1941. Class 42.
Bryant & May, Limited, London, England, assignor to Bryant & May, Limited, London and Liverpool, England. Safety matches. 19,178; re-renewed Mar. 17, 1941.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Polyvitamin preparation. 386,600; Apr. 15; Serial No. 439,070; published Feb. 4, 1941. Class 6.
C. & W. Manufacturing Co., Chicago, Ill. Combined protector and curler. 386,496; Apr. 15; Serial No. 433,336; published Feb. 4, 1941. Class 44.
Carson Pirie Scott & Company, Chicago, Ill. Bath scales. 386,578; Apr. 15; Serial No. 438,431; published Feb. 4, 1941. Class 26.
Carter Products, Inc., New York, N. Y. Cream depilatory. 386,513; Apr. 15; Serial No. 435,966; published Feb. 4, 1941. Class 6.
Ceccarelli, Louis, doing business as Glorishine Products. Sacramento, Calif. Furniture and automobile body polish. 386,509; Apr. 15; Serial No. 435,530; published Jan. 28, 1941. Class 16.
Cella Wine Company, Fresno, Calif. Wines. 386,587; Apr. 15; Serial No. 438,528; published Feb. 4, 1941. Class 47.
Chauret Fils. (See Beiser, Edward T., Co.)
Chektest Laboratories. (See Berry, John H.)
Chicago Printed String Co., Chicago, Ill. Cordage. 386,500; Apr. 15; Serial No. 434,202; published Feb. 4, 1941. Class 7.
Clay-Adams Co., Inc., New York, N. Y. Catheters, surgical drains, and surgical and laboratory rubber tubing. 386,559; Apr. 15; Serial No. 437,993; published Feb. 4, 1941. Class 44.
Coateraft Inc., Philadelphia, Pa. Outer garments. 386,631; Apr. 15. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate and/or silk piece goods. 386,545; Apr. 15; Serial No. 437,810; published Feb. 4, 1941. Class 42.
Consolidated Paper Corporation Limited. (See Wayagamack Pulp & Paper Co., assignor.)
Corkran, Hill and Company, Inc., assignor to Corkran Hill & Company, Incorporated, Baltimore, Md. Oleomargarin and lard. 141,102; renewed Apr. 12, 1941.
Costa Bros., Yuba City, Calif. Vegetables and fruits—namely, melons. 386,544; Apr. 15; Serial No. 437,759; published Feb. 4, 1941. Class 46.
Cowles Detergent Company, The, Cleveland, Ohio. Detergent compound useful in degreasing and desoiling of metals and textiles. 386,572; Apr. 15; Serial No. 438,294; published Jan. 28, 1941. Class 4.
Crosley Corporation, The, Cincinnati, Ohio. Automobiles and structural parts thereof. 386,515; Apr. 15; Serial No. 436,301; published Feb. 4, 1941. Class 19.
Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. 386,584; Apr. 15; Serial No. 438,504; published Feb. 4, 1941. Class 13.
Crown Products Corporation, Los Angeles and San Francisco, Calif. Salad oil. 386,607; Apr. 15. Class 46.
Cutelarias Adaga Limitada, Rio de Janeiro, Brazil. Razors, razor blades, penknives, etc. 386,529; Apr. 15; Serial No. 437,368; published Feb. 4, 1941. Class 23.
Dahlin, Frances. (See Niebuhr, Mary K., and Frances Dahlin.)
De Long & Prevost, assignor to De Long & Prevost, Inc., Worcester, Mass. Dental specialties. 142,499; renewed May 17, 1941.
Du Pont, E. I., de Nemours & Company, Wilmington, Del., assignor, by mesne assignments, to S. E. Tinkler, Jr., Norristown, Pa. Polishes. 140,112; renewed Mar. 8, 1941.
Durkee Famous Foods. (See Glidden Company, The.)
Eagle Roller Mill Co., New Ulm, Minn. Wheat-flour. 145,969; renewed Aug. 23, 1941.
Easy Washing Machine Corporation, Syracuse, N. Y. Laundry washing machines. 386,579; Apr. 15; Serial No. 438,432; published Feb. 4, 1941. Class 24.

Eclipse Machine Company, Elmira Heights, N. Y., assignor to Bendix Aviation Corp., South Bend, Ind. Drives or transmission mechanism for starters for internal-combustion engines. 141,340; renewed Apr. 19, 1941.

Edcrer, R. J., & Co., Chicago, Ill. Tennis, volley ball, and badminton nets. 386,535; Apr. 15; Serial No. 437,645; published Feb. 4, 1941. Class 22.

Edwards, Hugh D., doing business as Edwards Fruit Company, Highgrove, Calif. Fresh citrus fruit. 386,627; Apr. 15. Class 46.

Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Vacuum cleaners. 140,373; renewed Mar. 15, 1941.

Empire Plow Company, The, Cleveland, Ohio. Wing sweeps and like ground-working agricultural metal tools. 386,502; Apr. 15; Serial No. 434,782; published Feb. 4, 1941. Class 23.

Engebretson Grupe Co., Los Angeles, Calif. Citrus fruits, and vegetables. 386,490; Apr. 15; Serial No. 429,072; published Jan. 28, 1941. Class 46.

Enro Shirt Company, Inc., Louisville, Ky. Outer shirts, sport shirts, slack suits, etc. 386,634; Apr. 15; Class 39.

Erwin Cotton Mills Company, The, Durham, N. C. Sheets, pillow cases, sheetings, tubing, and piece goods. 386,580; Apr. 1; Serial No. 438,433; published Feb. 4, 1941. Class 42.

Eureka Mills, Incorporated, Philadelphia, Pa. Towels. 386,568; Apr. 15; Serial No. 438,176; published Jan. 28, 1941. Class 42.

Farley, Mary K. (See Keister, J. W., & Son.)

Ferracute Machine Company, Bridgeton, N. J. Power presses and parts thereof. 386,550; Apr. 15; Serial No. 437,859; published Feb. 4, 1941. Class 23.

Fischer & Porter Company, Philadelphia, Pa. Fluid flow meters. 386,553; Apr. 15; Serial No. 437,942; published Feb. 4, 1941. Class 26.

Fox, M. Ewing, Co., Inc., New York, N. Y. Water paints. 386,539; Apr. 15; Serial No. 437,721; published Feb. 4, 1941. Class 16.

Franco-Italian Packing Corp., Terminal Island, Calif. Fish meal. 386,565; Apr. 15; Serial No. 438,128; published Feb. 4, 1941. Class 46.

Fried, G., & Sons, Inc., Brooklyn, N. Y. Rugs and carpets. 386,510; Apr. 15; Serial No. 435,712; published Jan. 28, 1941. Class 42.

Galter, Jack, assignor, by mesne assignments, to General Transformer Corporation, Chicago, Ill. Electric scissors. 386,514; Apr. 15; Serial No. 435,974; published Nov. 19, 1940. Class 23.

Gamble Stores Incorporated, Minneapolis, Minn. Hydraulic brake master and wheel cylinder assembly replacement parts sold in kits. 386,519; Apr. 15; Serial No. 436,927; published Feb. 4, 1941. Clas 19.

Gemsco, Inc. (See General Embroidery & Military Supply Co. Inc., assignor.)

General Beverage Company, Detroit, Mich. Non-alcoholic beverage. 386,618; Apr. 15. Class 45.

General Chemical Company, New York, N. Y. Fungicide for use on vegetation. 386,554; Apr. 15; Serial No. 437,943; published Feb. 4, 1941. Class 6.

General Embroidery & Military Supply Co. Inc., assignor to Gemsco, Inc., New York and Brooklyn, assignor to Gemsco, Inc., New York, N. Y. Embroideries. 143,349; renewed May 31, 1941.

General Transformer Corporation. (See Galter, Jack, assignor.)

Gimelstein, Morris, Habana, Cuba. Face powder, including talcum, toilet powder, etc. 386,472; Apr. 15; Serial No. 425,917; published Feb. 4, 1941. Class 6.

Glaser Lead Company, Inc., Brooklyn, N. Y. Solder. 386,466; Apr. 15; Serial No. 421,458; published Jan. 28, 1941. Class 14.

Glass & Company, Dress Corp., New York, N. Y. Women's, misses', and children's dresses, coats, suits, etc. 386,606; Apr. 15. Class 39.

Glidden Company, The, doing business as Durkee Famous Foods, Cleveland, Ohio; New York, N. Y.; Chicago, Ill.; Louisville, Ky.; and Berkeley, Calif. Vegetable shortening. 386,516; Apr. 15; Serial No. 436,605; published Dec. 17, 1940. Class 46.

Glorisbine Products. (See Ceccarelli, Louis.)

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Inner tubes. 386,493; Apr. 15; Serial No. 431,763; published Feb. 4, 1941. Class 35.

Goodstein, David M., Inc., New York, N. Y. Women's and misses' dresses, blouses, and coats. 386,612; Apr. 15. Class 39.

Gordon, Catherine K., doing business as House of Gordon, Chicago, Ill. Soaps. 386,491; Apr. 15; Serial No. 430,601; published Feb. 4, 1941. Class 4.

Gratz, Wm. R., Import Company, New York, N. Y. Reeds for musical instruments and musical instruments, such as clarinets and saxophones, and accessories. 386,530; Apr. 15; Serial No. 437,370; published Feb. 4, 1941. Class 36.

Grossman, L., & Son, New York, N. Y. Articles of clothing. 144,788; renewed July 19, 1941.

Haack Bros. Manufacturing Pharmacists, Portland, Oreg. Tablets containing thiamine hydrochloride (Vitamin B1 synthetic), cevitamic acid, etc. 386,517; Apr. 15; Serial No. 436,649; published Feb. 4, 1941. Class 6.

Hall, Hartwell & Co., Troy, assignor to J. C. Penney Company, New York, N. Y. Dress, negligée, and work shirts and collars. 141,371; renewed Apr. 19, 1941.

Hall, Horace W., Newton Highlands, Mass., assignor to S. H. Kress and Company, New York, N. Y. Tennis, squash, and badminton playing rackets. 386,473; Apr. 15; Serial No. 426,809; published Mar. 5, 1940. Class 22.

Hamilton Art Metal Corporation, New York, N. Y. Pyrophoric cigar and cigarette lighters. 386,616; Apr. 15. Class 34.

Hammel, Riglander & Co., Inc., New York, N. Y. Gravers, chisels, gougers, etc. 386,523; Apr. 15; Serial No. 437,064; published Feb. 4, 1941. Class 23.

Harrison, Monroe, Chicago, Ill. Fruit juices and fruit concentrates. 386,551; Apr. 15; Serial No. 437,807; published Jan. 28, 1941. Class 45.

Hathaway, C. F., Co., Waterville, Maine. Shirts. 386,605; Apr. 15. Class 39.

Hawkridge Brothers Company, Boston, Mass. Steel. 386,522; Apr. 15; Serial No. 436,999; published Jan. 28, 1941. Class 14.

Hexacon Electric Company. (See Johnson, Arthur L.)

House of Gordon. (See Gordon, Catherine K.)

Howe-Anderson Company, doing business as Howe-Anderson Bakery, Galesburg, Ill. Bread. 386,469; Apr. 15; Serial No. 424,594; published Feb. 27, 1940. Class 46.

Hoyt Metal Company, St. Louis, Mo., assignor to National Lead Company, New York, N. Y. Babbitt metal. 142,275–6; renewed May 10, 1941.

Hudson, J. L., Company, The, Detroit, Mich. Women's and misses' dresses, suits, and coats. 386,613; Apr. 15. Class 39.

International Clearing House of New York, Inc., New York, N. Y. Hosiery and underwear. 140,842; renewed Mar. 29, 1941.

International Nickel Company, Inc., The, New York, N. Y. Free machining rods. 386,508; Apr. 15; Serial No. 435,297; published Jan. 28, 1941. Class 14.

Ismert-Hincke Milling Company, The, Kansas City, Kans., and Kansas City, Mo., to The Ismert-Hincke Milling Company, Kansas City, Mo. Wheat flour. 145,384; renewed Aug. 2, 1941.

Ismert-Hincke Milling Company, The, Kansas City, Kans., and Kansas City, Mo., to The Ismert-Hincke Milling Company, Kansas City, Mo. Wheat flour. 145,388; renewed Aug. 2, 1941.

Johnson, Arthur L., doing business as Hexacon Electric Company, Roselle Park, N. J. Electric soldering irons and electric branding irons. 386,555–56; Apr. 15; Serial Nos. 437,948–9; published Feb. 4, 1941. Class 23.

Johnson-Colquitt Company, Incorporated, Baltimore, Md. Combined lipstick and perfume stick. 386,498; Apr. 15; Serial No. 433,785; published Feb. 4, 1941. Class 6.

Kaufman, S. & J., Food Products Corp., New York, N. Y. Food products. 386,511; Apr. 15; Serial No. 435,852; published Feb. 4, 1941. Class 46.

Keister, J. W., & Son, assignor, by mesne assignments to M. K. Farley, Pulaski, Va. Medicine. 140,854; renewed Mar. 29, 1941.

Kress, S. H., and Company. (See Hall, Horace W., assignor.)

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 386,601; Apr. 15; Serial No. 439,074; published Feb. 4, 1941. Class 6.

Lockwood, Charles N., Chicago, Ill. Heat retaining containers. 386,561; Apr. 15; Serial No. 438,075; published Feb. 4, 1941. Class 2.

Lounge Modes, Inc., New York, N. Y. Ladies' and misses' beach and bath robes, pajamas, negligees, etc. 386,617; Apr. 15. Class 39.

Mallinson, H. R., & Co., Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 145,140–1; renewed July 26, 1941.

Mallinson, H. R., & Co. Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 145,144; renewed July 26, 1941.

McHenry, Albert L., Millinville, Pa. Toy. 386,604. Apr. 15; Serial No. 439,113; published Feb. 4, 1941. Class 22.

McKay Davis Company, Toledo, Ohio. Alkaline and analgesic tablets. 386,467; Apr. 15; Serial No. 422,064; published Nov. 14, 1939. Class 6.

Merrimack Manufacturing Company, Lowell, Mass. Cotton pile fabrics. 386,621; Apr. 15. Class 42.

Metz, H. A., Laboratories, Inc., to Winthrop Chemical Company, Inc., New York, N. Y., by consolidation. A remedy against syphilis, sleeping sickness, trypanosomiasis, etc. 145,742; renewed Aug. 19, 1941.

Michigan Chrome & Chemical Co., Detroit, Mich. Coating for apparatus used in electro-plating. 386,536; Apr. 15; Serial No. 437,660; published Feb. 4, 1941. Class 21.

Middleton, Howard A., doing business as H. A. Middleton Mfg. Co., Kansas City, Mo. Beverage cooling apparatus and parts thereof. 386,628; Apr. 15. Class 31.

Miller Manufacturing Company, Camden, N. J. Chemicals. 386,502; Apr. 15; Serial No. 438,080; published Feb. 4, 1941. Class 6.

Musicraft Records Inc., New York, N. Y. Phonograph records. 386,538; Apr. 15; Serial No. 437,690; published Feb. 4, 1941. Class 36.

National Drug and Chemical Co. of Canada, Limited, Montreal, Quebec, Canada. Poison for gophers, rats, foxes, etc. 140,911; renewed Mar. 29, 1941.

National Drug and Chemical Co. of Canada, Limited, Montreal, Quebec, Canada. Laxative cascara-bromid-quinin tablets. 140,912; renewed Mar. 29, 1941.

National Lead Company. (See Hoyt Metal Company, assignor.)

New Wrinkle, Inc., Dayton, Ohio. Industrial finish in the nature of a paint varnish or enamel. 386,468; Apr. 15; Serial No. 424,437; published Jan. 16, 1940. Class 16.

New Yorker's Coffee & Tea Co. (See Shepard, William.)

Niebuhr, Mary K., and Frances Dahlin, Chicago, Ill. Face or cleansing cream. 386,518; Apr. 15; Serial No. 436,676; published Feb. 4, 1941. Class 6.

Norton Company, Worcester, Mass. Abrasive products. 386,570–1; Apr. 15; Serial Nos. 438,276–7; published Jan. 28, 1941. Class 4.

Nutrition Research Laboratories, Chicago, Ill. Natural vitamin B complex. 386,557; Apr. 15; Serial No. 437,954; published Feb. 4, 1941. Class 6.

O'Brien Varnish Company, South Bend, Ind. Finishes, and paint and varnish products. 386,528; Apr. 15; Serial No. 437,348; published Jan. 28, 1941. Class 16.

Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 386,563; Apr. 15; Serial No. 438,082; published Feb. 4, 1941. Class 49.

Oliver, Emmett E., Nogales, Ariz. General line of fresh produce. 386,470; Apr. 15; Serial No. 425,162; published June 4, 1940. Class 46.

Optikotechna, Společnost s r. o., Pferov, Prerov, Protectorate of Bohemia and Moravia. Cine and photo-taking cameras and parts thereof; projectors and parts thereof; etc. 386,475–77; Apr. 15; Serial Nos. 428,126–8; published Feb. 4, 1941. Class 26.

Optikotechna, Společnost s r. o., Pferov, Prerov, Protectorate of Bohemia and Moravia. Cine and photo-taking cameras and parts thereof; projectors and parts thereof; etc. 386,478–81; Apr. 15; Serial Nos. 428,105–8; published Feb. 4, 1941. Class 26.

Optikotechna, Společnost s r. o., Pferov, Prerov, Protectorate of Bohemia and Moravia. Cine and photo-taking cameras and parts thereof; projectors and parts thereof; etc. 386,482–3; Apr. 15; Serial Nos. 428,197–8; published Feb. 4, 1941. Class 26.

Optikotechna, Společnost s r. o., Pferov, Prerov, Protectorate of Bohemia and Moravia. Cine and photo-taking cameras and parts thereof; projectors and parts thereof; etc. 386,484–6; Apr. 15; Serial Nos. 428,249–51; published Feb. 4, 1941. Class 26.

Optikotechna, Společnost s r. o., Pferov, Prerov, Protectorate of Bohemia and Moravia. Cine and photo-taking cameras and parts thereof; projectors and parts thereof; etc. 386,505–6; Apr. 15; Serial Nos. 435,178–9; published Feb. 4, 1941. Class 26.

Out-Er-Arch, New York, N. Y. Rubber arch supports. 386,629; Apr. 15. Class 44.

Palanque, Clementine C. M., London, England. Typewriters and parts thereof. 386,543; Apr. 15; Serial No. 437,758; published Feb. 4, 1941. Class 23.

Para Manufacturing Co., Inc., Newark, N. J. Shower curtains, and matching window drapes. 386,588–9; Apr. 15; Serial Nos. 438,580–1; published Feb. 4, 1941. Class 13.

Paris, George M., & Company, Inc., Lexington and Cambridge, Mass. Non-alcoholic, maltless beverages. 386,525; Apr. 15; Serial No. 437,215; published Jan. 28, 1941. Class 45.

Penn Garment Mfg. Co. Inc., Philadelphia, Pa., and New York, N. Y. Dresses. 386,626; Apr. 15. Class 39.

Penney, J. C., Company. (See Hall, Hartwell & Co., assignor.)

Pep Manufacturing Co. Inc. (See Worcester Abrasive Company, assignor.)

Peper, Christian, Tobacco Company, St. Louis, Mo. Smoking and chewing tobacco. 142,473; renewed May 17, 1941.

Petra, Sterglus T., doing business as Petra Wood Novelty Co., New York, N. Y. Artist supplies, such as, namely, palettes. 386,521; Apr. 15; Serial No. 436,978; published Feb. 4, 1941. Class 23.

Ray-O-Vac Company, Madison, Wis. Dry cells. 386,540; Apr. 15; Serial No. 437,740; published Feb. 4, 1941. Class 21.

Reichel Laboratories, Kimberton, Pa. Frangible containers. 386,512; Apr. 15; Serial No. 435,920; published Jan. 7, 1941. Class 2.

Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 386,462; Apr. 15; Serial No. 405,824; published Jan. 2, 1940. Class 9.

Revere Rubber Company, Boston, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Hose, belting, and packing for machinery. 19,558; re-renewed May 19, 1941.

Revere Rubber Company, Boston, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Mechanical rubber goods. 19,752; re-renewed June 23, 1941.

Rhoads, J. E., & Sons, Philadelphia, Pa., and Wilmington, Del., to J. E. Rhoads & Sons, Philadelphia, Pa. Flat leather belting. 142,727; renewed May 17, 1941.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y. Piece goods. 386,585; Apr. 15; Serial No. 438,515; published Feb. 4, 1941. Class 42.

Rogers Peet Company, New York, N. Y. Men's leather shoes. 142,316; renewed May 10, 1941.

Ross and White Company, Chicago, Ill. Appliances for transferring coal to locomotive tenders. 386,537; Apr. 15; Serial No. 437,668; published Feb. 4, 1941. Class 23.

Safety Night Light Company, Brooklyn, N. Y., assignor to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. 132,796; renewed June 29, 1941.

Sandolator Corporation, Boston, Mass. Sanding apparatus for motor vehicles. 386,524; Apr. 15; Serial No. 437,181; published Feb. 4, 1941. Class 23.

Schaefer, Harold L., Incorporated, Minneapolis, Minn. Refrigerated display cabinet. 386,497; Apr. 15; Serial No. 433,674; published Feb. 4, 1941. Class 31.

Schneider, George, & Co., Inc., Brooklyn, N. Y. Beverage. 386,591; Apr. 15; Serial No. 438,706; published Feb. 4, 1941. Class 45.

Seacoast Laboratories, Inc., New York, N. Y. Insecticide dust for killing various pests. 386,488; Apr. 15; Serial No. 429,626; published Jan. 28, 1941. Class 6.

Sharples Corporation, The, Philadelphia, Pa. Centrifugal separators. 386,494; Apr. 15; Serial No. 432,198; published Feb. 4, 1941. Class 23.

Shellabarger Mill & Elevator Company, The, doing business as The Shellabarger Mills, Salina, Kans. Wheat flour. 386,463; Apr. 15; Serial No. 415,418; published Aug. 1, 1939. Class 46.

Shepard, William, doing business as New Yorker's Coffee & Tea Co., New York, N. Y. Coffee. 386,471; Apr. 15; Serial No. 425,490; published Feb. 4, 1941. Class 46.

Sherwin Bros., New York, N. Y. Tablecovers, napkins, bed spreads, etc. 386,594; Apr. 15; Serial No. 438,744; published Feb. 4, 1941. Class 42.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides and fungicides. 386,608; Apr. 15. Class 6.

Singing Towers, Inc., Chicago, Ill. Electric remote control sound distributing systems. 386,492; Apr. 15; Serial No. 431,714; published Feb. 4, 1941. Class 21.

Speciale, Mariatta, doing business as Aridus Products, Brooklyn, N. Y. Powder lotion for the skin, a quick setting hair lotion. 386,487; Apr. 15; Serial No. 429,138; published Feb. 4, 1941. Class 6.

Stahel, Edward P., & Co., Inc., New York, N. Y. Threads and yarns. 386,573; Apr. 15; Serial No. 438,320; published Feb. 4, 1941. Class 43.

Stebbins, Barton A., Los Angles, Calif. Bakery products. 386,609–10; Apr. 15. Class 46.

Stein, S., & Co., New York, N. Y. Woolen piece goods. 386,575; Apr. 15; Serial No. 438,362; published Jan. 28, 1941. Class 42.

Sterling Cake Company, Inc., Brooklyn, N. Y. Cookies. 386,464; Apr. 15; Serial No. 415,802; published Feb. 4, 1941. Class 46.

Sun-Magnet Company. (See Barett, William.)

Superior Flake Graphite Company, to Superior Flake Graphite Company, Chicago, Ill., successor. Flake graphite. 139,217; renewed Jan. 25, 1941.

Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. 386,546–7; Apr. 15; Serial Nos. 437,840–1; published Feb. 4, 1941. Class 2.

Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. 386,548–9; Apr. 15; Serial Nos. 437,843–4; published Feb. 4, 1941. Class 2.

Surface Combustion Corporation, Toledo, Ohio. Apparatus for producing a gas. 386,596; Apr. 15; Serial No. 438,777; published Feb. 4, 1941. Class 34.

Surface Combustion Corporation, Toledo, Ohio. Industrial furnaces. 386,597; Apr. 15; Serial No. 438,778; published Feb. 4, 1941. Class 34.

Surface Combustion Corporation, Toledo, Ohio. Industrial heating furnaces. 386,598; Apr. 15; Serial No. 438,779; published Feb. 4, 1941. Class 34.

Symons, H. D., & Company Limited, Kingston Hill, England. Electrical insulation material, electrical insulating varnish, electrical insulation parts, and electrical insulators. 386,507; Apr. 15; Serial No. 435,260; published Feb. 4, 1941. Class 24.

Tall, Luther S., Baltimore, Md. Cigarettes. 386,495; Apr. 15; Serial No. 432,903; published Feb. 4, 1941. Class 17.

Templetons Incorporated, Buffalo, N. Y. Analgesic. 386,566; Apr. 15; Serial No. 438,162; published Feb. 4, 1941. Class 6.

Terry, Herbert, & Sons, Ltd., Redditch, England. Springs and tools and flexible shafting, pawls, etc. 141,249; renewed Apr. 12, 1941.

Tinkler, Samuel E., Jr. (See du Pont, E. I., de Nemours & Company, assignor.)

Titan Metal Manufacturing Company, Bellefonte, Pa. Welding rods. 386,615; Apr. 15. Class 14.

Tootal Broadhurst Lee Company Limited, Manchester, England. Cotton piece goods. 386,590; Apr. 15; Serial No. 438,636; published Feb. 4, 1941. Class 42.

Toro, Hernandez & Cie, Sucrs., Caracas, Venezuela. Maltless beverage. 386,526; Apr. 15; Serial No. 437,257; published Jan. 28, 1941. Class 45.

20th Century Beverage Co., Philadelphia, Pa. Beverages, syrups, extracts, etc. 386,592; Apr. 15; Serial No. 438,711; published Feb. 4, 1941. Class 45.

Union Chain and Manufacturing Company, The, Sandusky, Ohio. Elevating, conveying, transmission, and power-transmission machinery. 386,520; Apr. 15; Serial No. 436,950; published Feb. 4, 1941. Class 23.

United Chemical Co., Inc., Kansas City, Mo. Varnish. 386,560; Apr. 15; Serial No. 438,027; published Feb. 4, 1941. Class 16.
United States Finishing Company, The, Norwich, Conn. Textile fabrics of cotton, linen, rayon, etc. 386,583; Apr. 15. Serial No. 438,494; published Feb. 4, 1941. Class 42.
United States Hoffman Machinery Corporation, New York, N. Y. Filters. 386,503; Apr. 15; Serial No. 435,038; published Feb. 4, 1941. Class 31.
United States Hoffman Machinery Corporation, New York, N. Y. Dry cleaning and laundry washers, tumblers, etc. 386,504; Apr. 15; Serial No. 435,039; published Feb. 4, 1941. Class 24.
United States Rubber Company. (See Revere Rubber Company, assignor.)
United States Rubber Company, New Brunswick, N. J., and New York, N. Y., assignor to United States Rubber Company, New York, N. Y. Hose made of rubber and fabric. 142,342; renewed May 10, 1941.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y., assignor to United States Rubber Company, New York, N. Y. Traveling bags and portfolio-like envelops. 142,808; renewed May 17, 1941.
Van Cleef Bros., Chicago, Ill. Stripping having an adhesive coating. 386,614; Apr. 15. Class 5.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 386,543; Apr. 15; Serial No. 437,745; published Feb. 4, 1941. Class 49.
Warner Bros. Pictures, Inc. (See Associated First National Pictures, Inc., assignor.)
Watler, James H., Dayton, Ohio. Liquid preparation for certain named medicinal uses. 140,242; renewed Mar. 8, 1941.
Wayagamack Pulp & Paper Co., Limited, Three Rivers, Quebec, assignor to Consolidated Paper Corporation Limited, Montreal, Quebec, Canada. Paper. 141,714; renewed Apr. 26, 1941.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Packages containing dental alloy. 386,567; Apr. 15; Serial No. 438,167; published Feb. 4, 1941. Class 44.
Whitley Tailleurs, Inc., New York, N. Y. Overcoats. 386,630. Apr. 15. Class 39.
Whittemore Bros. Corp., Cambridge, Mass. Dressing to be used on leather. 145,487; renewed Aug. 2, 1941.
Whittemore Bros. Corp., Cambridge, Mass. Dye. 145,865; renewed Aug. 16, 1941.
Wiechert Laboratories, Inc., New York, N. Y. Artificial teeth and dentures. 386,611; Apr. 15. Class 44.
Will & Baumer Candle Co. (See Safety Night Light Company, assignor.)
Williams, C. S., Ellisville, Mass. A preparation for use in the treatment of pyorrhea. 146,020; renewed Aug. 23, 1941.
Wilson Company, The, Santa Ana, Calif. Incense. 386,633; Apr. 15. Class 6.
Wilson, Erastus W., Ste. Anne de Bellevue, Quebec, Ontario, Canada. Eczema medicine. 386,499; Apr. 15; Serial No. 433,878; published Feb. 4, 1941. Class 6.
Wilson, H. A., Company, The, Newark, N. J. Electrical appliances. 144,651; renewed July 12, 1941.
Wilson, Joseph P., Columbia, S. C. Vending machines. 386,501; Apr. 15; Serial No. 434,257; published Feb. 4, 1941. Class 23.
Winthrop Chemical Company. (See H. A. Metz Laboratories, Inc.)
Winthrop Chemical Company, Inc., to Winthrop Chemical Company, Inc., New York, N. Y., by consolidation. An antiseptic medical substance in powdered form. 145,873; renewed Aug. 16, 1941.
Winthrop Chemical Company, Inc., to Winthrop Chemical Company, Inc., New York, N. Y., by consolidation. A soporific drug preparation. 145,874; renewed Aug. 16, 1941.
Winthrop Chemical Company, Inc., to Winthrop Chemical Company, Inc., New York, N. Y., by consolidation. Antigonorrheic and astringent medical substances. 146,022; renewed Aug. 23, 1941.
Woodwind Company, The, to The Woodwind Company, New York, N. Y., successor. Mouthpiece and reeds for clarinets and saxophones. 144,980; renewed July 19, 1941.
Worcester Abrasive Company, Worcester, Mass., assignor, by mesne assignments, to Pep Manufacturing Co. Inc., New York, N. Y. Grinding compound. 141,278; renewed Apr. 12, 1941.
Wovenright Knitting Company, The, Cleveland, Ohio. Hosiery. 386,619; Apr. 15. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Flake graphite. Superior Flake Graphite Company. 139,217; renewed Jan. 25, 1941.

CLASS 2

Bags, Paper. Superior-Lawrence Bag Company. 386,546–7; Apr. 15; Serial Nos. 437,840–1; published Feb. 4, 1941.
Bags, Paper. Superior-Lawrence Bag Company. 386,548–9; Apr. 15; Serial Nos. 437,843–4; published Feb. 4, 1941.
Capsules. Abbott Laboratories; 386,577; Apr. 15; Serial No. 438,426; published Feb. 4, 1941.
Containers. C. N. Lockwood. 386,561; Apr. 15; Serial No. 438,075; published Feb. 4, 1941.
Containers, Frangible. Reichel Laboratories. 386,512; Apr. 15; Serial No. 435,920; published Jan. 7, 1941.

CLASS 3

Traveling bags and portfolio-like envelops. United States Rubber Company. 142,808; renewed May 17, 1941.

CLASS 4

Abrasive products. Norton Company. 386,570–1; Apr. 15; Serial Nos. 438,276–7; published Jan. 28, 1941.
Detergent compound. Cowles Detergent Company. 386,572; Apr. 15; Serial No. 438,294; published Jan. 28, 1941.
Dressing to be used on leather. Whittemore Bros. Corp. 145,487; renewed Aug. 2, 1941.
Grinding compound. Worcester Abrasive Company. 141,278; renewed Apr. 12, 1941.
Polishes. E. I. du Pont de Nemours & Company. 140,112; renewed Mar. 8, 1941.
Soaps. C. K. Gordon. 386,491; Apr. 15; Serial No. 439,601; published Feb. 4, 1941.

CLASS 5

Stripping having an adhesive coating. Van Cleef Bros. 386,614; Apr. 15.

CLASS 6

Alkaline and analgesic tablets. McKay-Davis Company. 386,467; Apr. 15; Serial No. 422,064; published Nov. 14, 1939.
Analgesic. Templetons Incorporated. 386,566; Apr. 15; Serial No. 438,162; published Feb. 4, 1941.
Antigonorrheic and astringent medical substances. Winthrop Chemical Company, Inc. 146,022; renewed Aug. 23, 1941.
Antiseptic medical substance in powdered form. Winthrop Chemical Company, Inc. 145,873; renewed Aug. 16, 1941.
Carbon remover. E. T. Barron. 386,489; Apr. 15; Serial No. 429,968; published Feb. 4, 1941.
Chemicals. Miller Manufacturing Company. 386,562; Apr. 15; Serial No. 438,080; published Feb. 4, 1941.
Chemicals, drugs, antiseptics, etc. Abbott Laboratories. 386,593; Apr. 15; Serial No. 438,716; published Feb. 4, 1941.
Cream, Face or cleansing. Mary K. Niebuhr and Frances Dahlin. 386,518; Apr. 15; Serial No. 436,076; Feb. 4, 1941.
Depilatory Cream. Carter Products, Inc. 386,513; Apr. 15; Serial No. 435,966; published Feb. 4, 1941.
Dye. Whittemore Bros., Corp. 145,865; renewed Aug. 16, 1941.
Flower-oils for perfumes, Liquid. Edward T. Beiser Co. 139,967; renewed Mar. 1, 1941.
Fluid resins. Edward T. Beiser Co. 140,078; renewed Mar. 8, 1941.
Fungicide. General Chemical Company. 386,534; Apr. 15; Serial No. 437,943; published Feb. 4, 1941.
Incense. Wilson Company. 386,633; Apr. 15.
Insecticide dust for killing various pests. Seacoast Laboratories, Inc. 386,488; Apr. 15; Serial No. 429,626; published Jan. 28, 1941.
Insecticides and fungicides. Sherwin-Williams Co., The. 386,608; Apr. 15.
Laxative, cascara bromid-quinin tablets. National Drug and Chemical Co. of Canada, Limited. 140,912; renewed Mar. 29, 1941.
Lipstick and perfume stick, Combined. Johnson-Colquitt Company. 386,498; Apr. 15; Serial No. 433,785; published Feb. 4, 1941.
Lipstick, rouge, face powder, etc. Associated Distributors, Inc. 386,564; Apr. 15; Serial No. 438,106; published Feb. 4, 1941.
Liquid essential oils and aromatic compounds for perfumes. Edward T. Beiser Co. 139,968; renewed Mar. 1, 1941.
Lotion, Powder. M. Speciale. 386,487; Apr. 15; Serial No. 429,138; published Feb. 4, 1941.
Medicinal compound. Abbott Laboratories. 386,602–3; Apr. 15; Serial Nos. 439,086–7; published Feb. 4, 1941.
Medicine. J. W. Keister & Son. 140,854; renewed Mar. 29, 1941.
Medicine, Eczema. E. W. Wilson. 386,499; Apr. 15; Serial No. 433,878; published Feb. 4, 1941.
Perfumes and cosmetic creams. Lentheric, Incorporated. 386,601; Apr. 15; Serial No. 439,074; published Feb. 4, 1941.

Poison for gophers, rats, foxes, etc. National Drug and Chemical Co. of Canada, Limited. 140,911; renewed Mar. 29, 1941.
Polyvitamin preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 386,600; Apr. 15; Serial No. 439,070; published Feb. 4, 1941.
Powder, Face. M. Glimelstein. 386,472; Apr. 15; Serial No. 425,917; published Feb. 4, 1941.
Preparation for certain named medicinal uses, Liquid. J. H. Watler. 140,242; renewed Mar. 8, 1941.
Preparation for use in the treatment of pyorrhea. C. S. Williams. 146,020; renewed Aug. 23, 1941.
Remedy against syphilis, sleeping-sickness, trypanosomiasis, etc. H. A. Metz Laboratories, Inc. 145,742; renewed Aug. 16, 1941.
Soporific drug preparation. Winthrop Chemical Company, Inc. 145,874; renewed Aug. 16, 1941.
Tablets, containing thiamine hydrochloride (Vitamin B_1 synthetic), cevitamic acid, etc. Haack Bros. Manufacturing Pharmacists. 386,517; Apr. 15; Serial No. 436,049; published Feb. 4, 1941.
Vitamin B complex, Natural. Nutrition Research Laboratories. 386,557; Apr. 15; Serial No. 437,954; published Feb. 4, 1941.

CLASS 7

Cordage. Chicago Printed String Co. 386,500; Apr. 15; Serial No. 434,202; published Feb. 4, 1941.

CLASS 9

Ammunition. Remington Arms Company. 386,462; Apr. 15; Serial No. 405,824; published Jan. 2, 1940.
Rifles, Air. A. B. T. Manufacturing Corp. 386,558; Apr. 15; Serial No. 437,985; published Feb. 4, 1941.
Safety matches. Bryant & May, Limited. 19,178; re-renewed Mar. 17, 1941.

CLASS 13

Fasteners, Separable slide. Crown Fastener Corporation. 386,584; Apr. 15; Serial No. 438,504; published Feb. 4, 1941.
Hose, belting, and packing for machinery. Revere Rubber Company. 19,558; re-renewed May 19, 1941.
Rubber goods, Mechanical. Revere Rubber Company. 19,752; re-renewed June 23, 1941.
Shower curtains, and matching window drapes. Para Manufacturing Co. 386,588–9; Apr. 15; Serial Nos. 438,580–1; published Feb. 4, 1941.

CLASS 14

Metal. Hoyt Metal Company. 142,275–6; renewed May 10, 1941.
Rods, Free machining. International Nickel Company. 386,508; Apr. 15; Serial No. 435,297; published Jan. 28, 1941.
Solder. Glaser Lead Company. 386,466; Apr. 15; Serial No. 421,458; published Jan. 28, 1941.
Steel. Hawkridge Brothers Company. 386,522; Apr. 15; Serial No. 436,999; published Jan. 28, 1941.
Welding rods. Titan Metal Manufacturing Company. 386,615; Apr. 15.

CLASS 15

Candles. Safety Night Light Company. 132,796; renewed June 20, 1941.

CLASS 16

Finish in the nature of a paint varnish or enamel. Industrial. New Wrinkle, Inc. 386,468; Apr. 15; Serial No. 424,437; published Jan. 16, 1940.
Finishes, and paint and varnish products. O'Brien Varnish Company. 386,528; Apr. 15; Serial No. 437,318; published Jan. 28, 1941.
Furniture and automobile body polish. L. Ceccarelli. 386,509; Apr. 15; Serial No. 435,530; published Jan. 28, 1941.
Paints, Water. M. Ewing Fox Co. 386,539; Apr. 15; Serial No. 437,721; published Feb. 4, 1941.
Pigment for paints, Blue. Ausbacher Siegle Corporation. 386,581; Apr. 15; Serial No. 438,465; published Feb. 4, 1941.
Varnish. United Chemical Co. 386,560; Apr. 15; Serial No. 438,027; published Feb. 4, 1941.
Varnishes for water color paints. Ausbacher Siegle Corporation. 386,582; Apr. 15; Serial No. 438,466; published Jan. 28, 1941.

CLASS 17

Cigarettes. L. S. Tall. 386,495; Apr. 15; Serial No. 432,903; published Feb. 4, 1941.
Tobacco, Smoking and chewing. Christian Peper Tobacco Company. 142,473; renewed May 17, 1941.

CLASS 19

Automobiles and structural parts thereof. Crosley Corporation. 386,515; Apr. 15; Serial No. 436,301; published Feb. 4, 1941.
Brake master and wheel cylinder assembly replacement parts sold in kits, Hydraulic. Gamble Stores Incorporated. 386,519; Apr. 15; Serial No. 436,927; published Feb. 4, 1941.

CLASS 21

Coating for apparatus used in electro-plating. Michigan Chrome & Chemical Co. 386,536; Apr. 15; Serial No. 437,660; published Feb. 4, 1941.
Dry cells. Ray-O-Vac Company. 386,540; Apr. 15; Serial No. 437,740; published Feb. 4, 1941.
Electric remote control sound distributing systems. Singing Towers, Inc. 386,492; Apr. 15; Serial No. 431,714; published Feb. 4, 1941.
Electrical appliances. H. A. Wilson Company. 144,651; renewed July 12, 1941.
Electrical insulation material, electrical insulating varnish, electrical insulation parts, and electrical insulators. H. D. Symons & Company. 386,507; Apr. 15; Serial No. 435,260; published Feb. 4, 1941.

CLASS 22

Rackets, tennis, squash, and badminton playing. H. W. Hall. 386,473; Apr. 15; Serial No. 426,809; published Mar. 5, 1940.
Tennis, volley ball, and badminton nets. R. J. Ederer & Co. 386,535; Apr. 15; Serial No. 437,645; published Feb. 4, 1941.
Toy. A. L. McHenry. 386,604; Apr. 15; Serial No. 439,113; published Feb. 4, 1941.

CLASS 23

Appliances for transferring coal to locomotive tenders. Ross and White Company. 386,537; Apr. 15; Serial No. 437,668; published Feb. 4, 1941.
Dispensers, Paper towel. Berst-Forster-Dixfield Company. 386,569; Apr. 15; Serial No. 438,261; published Feb. 4, 1941.
Drives for transmission mechanism for starters for internal-combustion engines. Eclipse Machine Company. 141,349; renewed Apr. 19, 1941.
Elevating, conveying, transmission, and power transmission machinery. Union Chain and Manufacturing Company. 386,520; Apr. 15; Serial No. 436,950; published Feb. 4, 1941.
Gravers, chisels, gougers, etc. Hammel, Riglander & Co. 386,523; Apr. 15; Serial No. 437,064; published Feb. 4, 1941.
Hose, belting, and packing for machinery. Revere Rubber Company. 19,558; re-renewed May 19, 1941.
Needles. Stephan Beissel Sel. Wwe. & Sohn. 18,321; re-renewed Aug. 19, 1940.
Needles. Stephan Beissel Sel. Wwe. & Sohn. 18,574; re-renewed Nov. 4, 1940.
Palettes. S. T. Petra. 386,521; Apr. 15; Serial No. 436,978; published Feb. 4, 1941.
Power presses and parts thereof. Ferracuts Machine Company. 386,550; Apr. 15; Serial No. 437,859; published Feb. 4, 1941.
Razor blades. Best Blades, Inc. 386,620; Apr. 15.
Razors, razor blades, penknives, etc. Cutelarias Adaga Limitada. 386,529; Apr. 15; Serial No. 437,368; published Feb. 4, 1941.
Rubber goods, Mechanical. Revere Rubber Company. 19,752; re-renewed June 23, 1941.
Sanding apparatus for motor vehicles. Sandolator Corporation. 386,524; Apr. 15; Serial No. 437,181; published Feb. 4, 1941.
Scissors, Electric. J. Galter. 386,514; Apr. 15; Serial No. 435,974; published Nov. 19, 1940.
Separators, Centrifugal. Sharples Corporation. 386,494; Apr. 15; Serial No. 432,198; published Feb. 4, 1941.
Soldering irons and electric branding irons, Electric. A. L. Johnson. 386,555–56; Apr. 15; Serial Nos. 437,948–9; published Feb. 4, 1941.
Springs and tools and flexible shafting, pawls, etc. Herbert Terry & Sons, Ltd. 141,249; renewed Apr. 12, 1941.
Typewriters and parts thereof. C. C. M. Palanque. 386,543; Apr. 15; Serial No. 437,758; published Feb. 4, 1941.
Vacuum-cleaners. Electric Vacuum Cleaner Company. 140,373; renewed Mar. 15, 1941.
Vending machines. J. P. Wilson. 386,501; Apr. 15; Serial No. 434,257; published Feb. 4, 1941.
Wing sweeps and like ground-working agricultural metal tools. Empire Plow Company. 386,502; Apr. 15; Serial No. 434,782; published Feb. 4, 1941.

CLASS 24

Washers, tumblers, etc., Dry cleaning and laundry. United States Hoffman Machinery Corporation. 386,504; Apr. 15; Serial No. 435,039; published Feb. 4, 1941.
Washing machines, Laundry. Easy Washing Machine Corporation. 386,579; Apr. 15; Serial No. 438,432; published Feb. 4, 1941.

CLASS 26

Cameras and parts thereof; projectors and parts thereof; etc. Optikotechna, Společnost s r. o., Pferov. 386,482–3; Apr. 15; Serial Nos. 428,197–8; published Feb. 4, 1941.
Cameras and parts thereof; projectors and parts thereof; etc., Cine and photo-taking. Optikotechna, Společnost s r. o., Pferov. 386,475–77; Apr. 15; Serial Nos. 428,126–8; published Feb. 4, 1941.
Cameras and parts thereof; projectors and parts thereof; etc., Cine and photo-taking. Optikotechna, Společnost s r. o., Pferov. 386,478–81; Apr. 15; Serial Nos. 428,165–8; published Feb. 4, 1941.

Cameras and parts thereof; projectors and parts thereof; etc., Cine and photo-taking. Optikotechna, Spolecnost s. r. o., Pterov. 386,484–6 Apr. 15; Serial Nos. 428,249–51; published Feb. 4, 1941.
Cameras and parts thereof; projectors and parts thereof; etc., Cine and photo-taking. Optikotechna, Spolecnost s. r. o., Pterov. 386,505–6; Apr. 15; Serial Nos. 435,178–9; published Feb. 4, 1941.
Films, Motion-picture. Associated First National Pictures Inc. 144,690; renewed July 19, 1941.
Meters, Fluid flow. Fischer & Porter Company. 386,553; Apr. 15; Serial No. 437,942; published Feb. 4, 1941.
Scales, Bath. Carson Pirie Scott & Company. 386,578; Apr. 15; Serial No. 438,451; published Feb. 4, 1941.
Windows, Glass. Ace Welding Laboratories. 386,574; Apr. 15; Serial No. 438,324; published Feb. 4, 1941.

CLASS 31

Cooling apparatus and parts thereof, Beverage. H. A Middleton 386,628; Apr. 15.
Filters. United States Hoffman Machinery Corporation. 386,503; Apr. 15; Serial No. 435,038; published Feb. 4, 1941.
Refrigerated display cabinet. Harold L. Schaefer, Incorporated. 386,497; Apr. 15; Serial No. 433,614; published Feb. 4, 1941.

CLASS 34

Apparatus for producing a gas. Surface Combustion Corporation. 386,596; Apr. 15; Serial No. 438,777; published Feb. 4, 1941.
Furnaces, Industrial. Surface Combustion Corporation. 386,597; Apr. 15; Serial No. 438,778; published Feb. 4, 1941.
Furnaces, Industrial heating. Surface Combustion Corporation. 386,598; Apr. 15; Serial No. 438,779; published Feb. 4, 1941.
Lighters, Pyrophoric cigar and cigarette. Hamilton Art Metal Corporation. 386,616; Apr. 15.
Stoves, other than electric. Atlanta Stove Works. 143,896; renewed June 21, 1941.

CLASS 35

Belting, Flat leather. J. E. Rhoads & Sons. 142,727; renewed May 17, 1941.
Hose, belting, and packing for machinery. Revere Rubber Company. 19,558; re-renewed May 19, 1941.
Hose made of rubber and fabric. United States Rubber Company. 142,342; renewed May 10, 1941.
Rubber goods, Mechanical. Revere Rubber Company. 19,752; re-renewed June 23, 1941.
Tubes, Inner. B. F. Goodrich Company. 386,493; Apr. 15; Serial No. 431,763; published Feb. 4, 1941.

CLASS 36

Mouthpieces and reeds for clarinets and saxophones. Woodwind Company. 144,980; renewed July 19, 1941.
Phonograph records. Musicraft Records Inc. 386,538; Apr. 15; Serial No. 437,690; published Feb. 4, 1941
Reeds for musical instruments, musical instruments such as clarinets and saxophones, and accessories. Wm. R. Gratz Import Company. 386,530; Apr. 15; Serial No. 437,370; published Feb. 4, 1941.

CLASS 37

Paper. Wayagamack Pulp & Paper Co., Limited. 141,714; renewed Apr. 26, 1941.

CLASS 38

Publication, Monthly. American Society of Agricultural Engineers. 143,899; renewed June 21, 1941.

CLASS 39

Articles of clothing. I. Grossman & Son. 144,788; renewed July 19, 1941.
Dress, negligée, and work shirts and collars. Hall, Hartwell, & Co. 141,371; renewed Apr. 19, 1941.
Garments, Outer. Contcraft Inc. 386,631; Apr. 15.
Hosiery. Wovenright Knitting Company, The. 386,619; Apr. 15.
Hosiery and underwear. International Clearing House of New York. 140,842; renewed Mar. 29, 1941.
Ladies' and misses' beach and bath robes, pajamas, negligees, etc. Lounge Modes, Inc. 386,617; Apr. 15
Overcoats. Whitley Tailleurs, Inc. 386,630; Apr 15.
Shirts. C. F. Hathaway Co. 386,605; Apr. 15
Shirts, suits, etc. Enro Shirt Company. 386,634; Apr. 15.
Shoes. Rogers Peet Company. 142,316; renewed May 10, 1941.
Women's and misses' dresses, blouses, and coats. D. M. Goodstein, Inc. 386,612; Apr. 15.
Women's and misses' dresses, suits, and coats. J. L. Hudson Company, The. 386,613; Apr. 15.
Women's, misses', children's dresses, coats, suits, etc. Glass & Company, Dress Corp. 386,606; Apr. 15.

CLASS 40

Embroideries. General Embroidery & Military Supply Co. Inc. 143,349; renewed May 31, 1941.
Needles. Stephan Beissel Sel. Wwe. & Sohn. 18,321; renewed Aug. 19, 1940.
Needles. Stephan Beissel Sel. Wwe. & Sohn. 18,374; re-renewed Nov. 4, 1940.

CLASS 42

Blankets. Beacon Manufacturing Company. 386,622–4; Apr. 15.
Dresses. Penn Garment Mfg. Co. Inc. 386,626; Apr. 15.
Fabrics, Cotton pile. Merrimack Manufacturing Company. 386,621; Apr. 15.
Piece goods. Apponaug Company. 386,527; Apr. 15; Serial No. 437,261; published Jan. 28, 1941.
Piece goods. Bloomsburg Silk Mill. 386,533; Apr. 15; Serial No. 437,500; published Jan. 28, 1941.
Piece goods. Botany Worsted Mills. 386,576; Apr. 15; Serial No. 438,371; published Jan. 28, 1941.
Piece goods. Cohn-Hall-Marx Co. 386,545; Apr. 15; Serial No. 437,810; published Feb. 4, 1941.
Piece goods. Riverside Dan River Cotton Mills, Inc. 386,585; Apr. 15; Serial No. 438,515; published Feb. 4, 1941.
Piece goods. S. Stein & Co. 386,575; Apr. 15; Serial No. 438,362; published Jan. 28, 1941.
Piece goods. Tootal Broadhurst Lee Company Limited. 386,590; Apr. 15; Serial No. 438,636; published Feb. 4, 1941.
Piece goods, Silk. H. R. Mallinson & Co. 145,140–1; renewed July 26, 1941.
Piece goods, Silk. H. R. Mallinson & Co. 145,144; renewed July 26, 1941.
Rugs and carpets. G. Fried & Sons, Inc. 386,510; Apr. 15; Serial No. 435,712; published Jan. 28, 1941.
Sheets, pillow cases, tubing, etc., and piece goods. Erwin Cotton Mills Company. 386,580; Apr. 15; Serial No. 438,433; published Feb. 4, 1941.
Tablecovers, napkins, bed spreads, etc. Sherwin Bros. 386,594; Apr. 15; Serial No. 438,744; published Feb. 4, 1941.
Textile fabrics. United States Finishing Company. 386,583; Apr. 15; Serial No. 438,494; published Feb. 4, 1941.
Towels. Eureka Mills Incorporated. 386,568; Apr. 15; Serial No. 438,176; published Jan. 28, 1941.

CLASS 43

Threads and yarns. Edward P. Stahel & Co. 386,573; Apr. 15; Serial No. 438,320; published Feb. 4, 1941.

CLASS 44

Arch supports, Rubber. Out-Er-Arch. 386,629; Apr. 15.
Catheters, surgical drains, and surgical and laboratory rubber tubing. Clay-Adams Co. 386,559; Apr. 15; Serial No. 437,993; published Feb. 4, 1941.
Dental specialties. De Long & Prevost. 142,499; renewed May 17, 1941.
Packages containing dental alloy. S. S. White Dental Manufacturing Company. 386,567; Apr. 15; Serial No. 438,167; published Feb. 4, 1941.
Protector and curler, Combined. C. & W. Manufacturing Co. 386,496; Apr. 15; Serial No. 433,336; published Feb. 4, 1941.
Reflectors for catching, etc., sun rays upon the human body. W. Baretr. 386,599; Apr. 15; Serial No. 438,529; published Feb. 4, 1941.
Teeth, Artificial, and dentures. Wiechert Laboratories, Inc. 386,611; Apr. 15.

CLASS 45

Apple juice for beverage purposes. Berks-Lehigh Cooperative Fruit Growers, Inc. 386,595; Apr. 15; Serial No. 438,756; published Feb. 4, 1941.
Beverage, Maltless nonalcoholic. Toro, Hernandez & Cia., Sucrs. 386,526; Apr. 15; Serial No. 437,257; published Jan. 28, 1941.
Beverage, Non-alcoholic. General Beverage Company. 386,618; Apr. 15.
Beverage, nonalcoholic. George Schneider & Co. 386,591; Apr. 15; Serial No. 438,706; published Feb. 4, 1941.
Beverages, nonalcoholic. G. M. Paris. 386,525; Apr. 15; Serial No. 437,213; published Jan. 28, 1941.
Beverages, syrups, extracts, etc. 20th Century Beverage Co. 386,592; Apr 15; Serial No. 438,711; published Feb. 4, 1941.
Juices and fruit concentrates, Fruit. M. Harrison. 386,551; Apr. 15; Serial No. 437,867; published Jan. 28, 1941.

CLASS 46

Bakery products. B. A. Stebbins. 386,609–10; Apr. 15.
Bread. Howe-Anderson Company. 386,469; Apr. 15; Serial No. 424,594; published Feb. 27, 1940
Canned fruits, canned vegetables. Allen Packing Company. 386,474; Apr. 15; Serial No. 427,326; published Feb. 4, 1941.
Canned grapefruit juice for food purposes, canned grapefruit and canned vegetables. W. C. Bohannon. 386,632; Apr. 15.
Cheese. Bel Paese Sales Co. 386,552; Apr. 15; Serial No. 437,933; published Feb. 4, 1941.
Coffee. W. Shepard. 386,471; Apr. 15; Serial No. 425,490; published Feb. 4, 1941.
Coffee, salad dressing, pancake flour, etc. C. G. Bathé. 386,465; Apr. 15; Serial No. 416,499; published Aug. 1, 1939.

Cookies. Sterling Cake Company. 386,464; Apr. 15; Serial No. 415,802; published Feb. 4, 1941.
Dairy products. J. H. Berry. 386,625; Apr. 15.
Flour, Wheat. Abilene Flour Mills Company. 386,534; Apr. 15; Serial No. 437,611; published Feb. 4, 1941.
Flour, Wheat. Eagle Roller Mill Co. 145,969; renewed Aug. 23, 1941.
Flour, Wheat. Ismert-Hincke Milling Company. 145,384; renewed Aug. 2, 1941.
Flour, Wheat. Ismert-Hincke Milling Company. 145,388; renewed Aug. 2, 1941.
Flour, Wheat. Shellabarger Mill & Elevator Company. 386,463; Apr. 15; Serial No. 415,418; published Aug. 1, 1939.
Food products. S. & J. Kaufman Food Products Corp. 386,511; Apr. 15; Serial No. 435,852; published Feb. 4, 1941.
Fruit, Fresh citrus. H. D. Edwards. 386,627; Apr. 15.
Fruits and vegetables, Citrus. Engebretson-Grupe Co. 386,490; Apr. 15; Serial No. 429,972; published Jan. 28, 1941.
Meat, Fish. Franco-Italian Packing Corp. 386,565; Apr. 15; Serial No. 438,128; published Feb. 4, 1941.
Meat food. Armstrong Packing Company. 141,848; renewed May 3, 1941.
Oleomargarin and lard. Corkran, Hill and Company. 141,102; renewed Apr. 12, 1941.
Produce, General line of fresh. E. E. Oliver. 386,470; Apr. 15; Serial No. 425,162; published June 4, 1940.
Salad oil. Crown Products Corporation. 386,607; Apr. 15.
Shortening, Vegetable. Glidden Company. 386,516; Apr. 15; Serial No. 436,605; published Dec. 17, 1940.
Vegetables and fruits. Costa Bros. 386,544; Apr. 15; Serial No. 437,759; published Feb. 4, 1941.

CLASS 47

Wines. Cella Wine Company. 386,587; Apr. 15; Serial No. 438,528; published Feb. 4, 1941.

CLASS 48

Beer, ale, and other malt beverages. Beverwyck Breweries, Inc. 386,531; Apr. 15; Serial No. 437,430; published Feb. 4, 1941.
Beer, ale and other malt beverages. Beverwyck Breweries, Inc. 386,532; Apr. 15; Serial No. 437,499; published Feb. 4, 1941.
Beer, ale, and porter. Bartels Brewing Company. 386,635; Apr. 15.
Beer, ale, porter, and stout. Barbey's, Inc. 386,586; Apr. 15; Serial No. 438,526; published Jan. 28, 1941.

CLASS 49

Rum. Bohemian Distributing Company. 386,542; Apr. 15; Serial No. 437,755; published Feb. 4, 1941.
Whiskey. Hiram Walker & Sons, Inc. 386,541; Apr. 15; Serial No. 437,745; published Feb. 4, 1941.
Whiskey, gin, rum, etc. Old Quaker Company. 386,563; Apr. 15; Serial No. 438,082; published Feb. 4, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Fischel, Eduard, Freilassing/Oberbayern and J. Thiry, Berlin-Charlottenburg, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Control apparatus for vehicles. Re. 21,770; Apr. 15.

Kalkusch, Rudolph, Chicago, Ill., assignor, by direct and mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building block and facing tile. Re. 21,771; Apr. 15.

Lawrence, John H. (See Murray, T. E., and Lawrence.)

Libbey-Owens-Ford Glass Company. (See Kalkusch, Rudolph, assignor.)

Metropolitan Engineering Company. (See Murray, T. E., and Lawrence, assignors.)

Murray, Joseph B., executor, et al. (See Murray, T. E., and Lawrence.)

Murray, Thomas E., deceased (by J. B. and T. E. Murray, Jr., Brooklyn, N. Y., executors), and J. H. Lawrence, Bronxville, N. Y., assignors to Metropolitan Engineering Company. Boiler and the like. Re. 21,772; Apr. 15.

Murray, Thomas E., Jr., executor, et al. (See Murray, T. E., and Lawrence.)

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Fischel, E., and Thiry, assignors.)

Thiry, Johannes. (See Fischel, E., and Thiry.)

LIST OF DESIGN PATENTEES

Aktiebolaget Elektrolux. (See Lenning, Alvar, assignor.)

Anchor Hocking Glass Corporation. (See Barbiers, Ferdinand S., assignor.)

Andrews, Arthur G., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Bicycle basket. 126,564; Apr. 15.

American Cabinet Hardware Corporation. (See Borchers, Earl, assignor.)

American Legion, Department of Illinois. (See Witt, Robert, assignor.)

Aronson, Leo. (See Levitt, B., and Aronson.)

Baldwin Company, The. (See Day, Wilbur M., assignor.)

Barbiers, Ferdinand S., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Glass bank or article of similar nature. 126,549; Apr. 15.

Bartholomew, Augusta K., New York, N. Y., and F. M. Hirst, Philadelphia, Pa., assignors to Archibald Holmes & Son, Philadelphia, Pa. Carpet or similar article. 126,550; Apr. 15.

Bass, William, New York, N. Y. Dress ensemble. 126,596; Apr. 15.

Belden Manufacturing Company. (See Reinecke, Jean O.)

Betmar Hats, Inc. (See Marks, Murray J., assignor.)

Borchers, Earl, assignor to American Cabinet Hardware Corporation, Rockford, Ill. Door pull or the like. 126,551; Apr. 15.

Borchers, Earl, assignor to American Cabinet Hardware Corporation, Rockford, Ill. Hinge. 126,565; Apr. 15.

Borchers, Earl, assignor to American Cabinet Hardware Corporation, Rockford, Ill. Hinge. 126,566; Apr. 15.

Borchers, Earl, assignor to American Cabinet Hardware Corporation, Rockford, Ill. Sash lift or the like. 126,567; Apr. 15.

Boucher, Marcel, New York, N. Y. Pin ornament or similar article. 126,621; Apr. 15.

Breer, Edna, New York, N. Y. Dress ensemble. 126,679; Apr. 15.

Brennan, Raymond F., Attleboro, Mass. Composite cross. 126,597; Apr. 15.

Burlingame, Fred R., assignor to Upson Brothers, Inc., Rochester, N. Y. Tire valve manipulating implement. 126,572; Apr. 15.

Cohn & Rosenberger Inc. (See Pearl, Sidney, assignor.)

Cole, Arthur, Rye, N. Y. Dress. 126,680; Apr. 15.

Cox, Joseph E., and W. E. Kavenagh, Windsor, Vt., assignors to Wingfoot Corporation, Wilmington, Del. Shoe sole. 126,598; Apr. 15.

Cox, Joseph E., and W. E. Kavenagh, Windsor, Vt., assignors to Wingfoot Corporation, Wilmington, Del. Shoe sole. 126,599; Apr. 15.

Cutler, Elizabeth, New York, N. Y. Dress ensemble. 126,600; Apr. 15.

Cutler, Elizabeth, New York, N. Y. Dress ensemble. 126,646; Apr. 15.

Day, Wilbur M., assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 126,573; Apr. 15.

Deibel, Cyril P., Lakewood, Ohio. Flashlight head. 126,574; Apr. 15.

Deibel, Cyril P., Lakewood, Ohio. Combined lens and head for flashlights. 126,575; Apr. 15.

Deibel, Cyril P., Lakewood, Ohio. Flashlight. 126,576; Apr. 15.

Didisheim, Marc, La Chaux de Fonds, Switzerland. Watch. 126,622; Apr. 15.

Eickemeyer, Louis, Union, assignor to J. Gottlieb, Jersey City, N. J. Electric clock. 126,601; Apr. 15.

Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)

Erxleben, Herman, Rensselaer, N. Y. Receptacle opener. 126,577; Apr. 15.

Exhibit Supply Company. (See Mayer, John F., assignor.)

Faller, Rose, New York, N. Y. Textile fabric. 126,552; Apr. 15.

Faller, Rose, New York, N. Y. Textile fabric. 126,553; Apr. 15.

Faller, Rose, New York, N. Y. Textile fabric. 126,602; Apr. 15.

Feldman, Gustave, New York, N. Y. Dress. 126,578; Apr. 15.

Feldman, Gustave, New York, N. Y. Dress. 126,579; Apr. 15.

Feldman, Gustave, New York, N. Y. Dress. 126,580; Apr. 15.

Feldman, Gustave, New York, N. Y. Dress. 126,581; Apr. 15.

Fields, Minna, New York, N. Y. Dress. 126,681; Apr. 15.

Fletcher, John C., Dunbar, W. Va. Roaster. 126,554; Apr. 15.

Fracchia, Pauline, New York, N. Y. Dress. 126,647; Apr. 15.

Fracchia, Pauline, New York, N. Y. Dress. 126,648; Apr. 15.

Fracchia, Pauline, New York, N. Y. Dress. 126,649; Apr. 15.

Fracchia, Pauline, New York, N. Y. Dress. 126,650; Apr. 15.

Fracchia, Pauline, New York, N. Y. Dress. 126,651; Apr. 15.

Fracchia, Pauline, New York, N. Y. Dress. 126,652; Apr. 15.

Fracchia, Pauline, New York, N. Y. Dress. 126,682; Apr. 15.

Fracchia, Pauline, New York, N. Y. Dress ensemble. 126,683; Apr. 15.

Freeman, Edna, New York, N. Y. Dress ensemble. 126,684; Apr. 15.

Gerhardt, Andrew H., Niles Center, assignor to Electric Household Utilities Corporation, Chicago, Ill. Washing machine. 126,603; Apr. 15.

Goldstein-Poland Co. (See Poland, James J., assignor.)

Goodman, Sol, assignor to Goody Lamp Co. Inc., New York, N. Y. Lamp or like article. 126,582; Apr. 15.

Goody Lamp Co. Inc. (See Goodman, Sol, assignor.)

Gottlieb, Isidore, Bronx, N. Y. Dress. 126,604; Apr. 15.

Gottlieb, Joseph. (See Eickemeyer, Louis, assignor.)

Gray, Virginia, St. Louis, Mo. Suit. 126,653; Apr. 15.

Green, Henry, Far Rockaway, N. Y. Handbag. 126,583; Apr. 15.

Grobstein, Irving, New York, N. Y. Dress ensemble. 126,605; Apr. 15.

Guinzburg, George K., Chappaqua, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Shoe. 126,623; Apr. 15.

Guinzburg, George K., Chappaqua, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Shoe. 126,624; Apr. 15.

Gurtov, Morris, New York, N. Y. Combination pencil, ruler, and level. 126,555; Apr. 15.

Haines, Edgar F., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Radio-phonograph cabinet. 126,606; Apr. 15.

Hamburger, Murray E., New York, N. Y. Dress. 126,654; Apr. 15.

Hauser, Martin, Kansas City, Kans. Traffic signal. 126,584; Apr. 15.

Henry, Aline, New York, N. Y. Dress. 126,607; Apr. 15.

Hirst, Francis M. (See Bartholomew, A. K., and Hirst.)

Hobgood, Margaret, New York, N. Y. Dress ensemble. 126,608 ; Apr. 15.
Holmes, Archibald, & Son. (See Bartholomew, A. K., and Hirst.)
Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Combined bumper and bumper guard or similar article. 126,625 ; Apr. 15.
Jones, Natalie, New York, N. Y. Dress. 126,585 ; Apr. 15.
Joyce, Fale, assignor to Joyce, Inc., Pasadena, Calif. Shoe or similar article. 126,609 ; Apr. 15.
Joyce, Inc. (See Joyce, Fale, assignor.)
Kasarda, Elizabeth, New York, N. Y. Scarf collar. 126,586 ; Apr. 15.
Katz, Louis, New York, N. Y. Dress. 126,655 ; Apr. 15.
Katz, Louis, New York, N. Y. Dress. 126,656 ; Apr. 15.
Katz, Samuel, Chicago, Ill. Luggage case or similar article. 126,626 ; Apr. 15.
Kavenagh, William E. (See Cox, J. E., and Kavenagh.)
Kleinert/ I. B., Rubber Company. (See Guinzburg, George K., assignor.)
Koenig, Robert, Hasbrouck Heights, N. J. Embroidered lace trimming, or similar article. 126,556 ; Apr. 15.
Lapidus, Benjamin. (See Lapidus, Leon and B.)
Lapidus, Leon and B., Brooklyn, N. Y. Direction signal or similar article. 126,587 ; Apr. 15.
Larson, Paul G., Little Falls, Minn. Boat. 126,588 ; Apr. 15.
Lawson, F. H., Company, The. (See Perkins, Kenneth N., assignor.)
Lenning, Alvar, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Food mixer. 126,657 ; Apr. 15.
Lerman, Kate, Chicago, Ill. Clock or similar article. 126,610 ; Apr. 15.
Lerman, Kate, Chicago, Ill. Clock or similar article. 126,611 ; Apr. 15.
Lerman, Kate, Chicago, Ill. Clock or similar article. 126,612 ; Apr. 15.
Levitt, Benjamin, Newark, and L. Aronson, Hillside, assignors to A. L. Siegel Co., Inc., Newark, N. J. Sachet pull doll. 126,589 ; Apr. 15.
Levy, Abraham, and J. F. Punzak, assignors to United Metal Goods Manufacturing Co. Inc., Brooklyn, N. Y. Ship clock. 126,627 ; Apr. 15.
Lewin, Jacob W., Chicago, Ill. Electrical outlet receptacle. 126,590 ; Apr. 15.
Lewis, Joseph, Los Angeles, Calif. Indicator device. 126,557 ; Apr. 15.
Lorber, Henry, New York, N. Y. Button. 126,628 ; Apr. 15.
Malden Form Brassiere Company. (See Rosenthal, William, assignor.)
Mangle, Claude V., Livermore, Iowa. Artificial bait. 126,558 ; Apr. 15.
Marchesa, Jane, Flushing, N. Y. Dress. 126,658 ; Apr. 15.
Marcin, Goswin, and M. R. Silverman, Highland Mills, N. Y. Lamp base. 126,591 ; Apr. 15.
Marks, Murray J., New York, N. Y., assignor to Betmar Hats, Inc. Hat. 126,629 ; Apr. 15.
Marve, Murray, New York, N. Y. Dress. 126,685 ; Apr. 15.
Menard, Ernest T., Los Angeles, Calif. Vehicle. 126,659 ; Apr. 15.
Meyer, John F., assignor to Exhibit Supply Company, Chicago, Ill. Cabinet for a vending machine. 126,559 ; Apr. 15.
Miller, Charles, New York, N. Y. Dress. 126,613 ; Apr. 15.
Montanye, Carlyle N., Baltimore, Md. Calendar stand or similar article. 126,568 ; Apr. 15.
Montanye, Carlyle N., Baltimore, Md. Calendar stand or similar article. 126,569 ; Apr. 15.
Montell, Germaine, New York, N. Y. Dress ensemble. 126,614 ; Apr. 15.
Montell, Germaine, New York, N. Y. Dress ensemble. 126,615 ; Apr. 15.
Montell, Germaine, New York, N. Y. Dress ensemble. 126,616 ; Apr. 15.
Montell, Germaine, New York, N. Y. Dress ensemble. 126,617 ; Apr. 15.
Montell, Germaine, New York, N. Y. Dress ensemble. 126,618 ; Apr. 15.
Montell, Germaine, New York, N. Y. Dress ensemble. 126,660 ; Apr. 15.
Murray Corporation of America, The. (See Widman, Charles H., assignor.)
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 126,661 ; Apr. 15.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 126,662 ; Apr. 15.
Nadel, Ottilie C., New York, N. Y. Dress. 126,686 ; Apr. 15.
Nadel, Ottilie C., New York, N. Y. Dress. 126,687 ; Apr. 15.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 126,688 ; Apr. 15.
Nadel, Ottilie C., New York, N. Y. Dress. 126,689 ; Apr. 15.
Niblack, Emmett A., Biloxi, Miss. Motor tricycle. 126,663 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,664 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,665 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,666 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,690 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,691 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,692 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,693 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,694 ; Apr. 15.
Novak, Syd, Chicago, Ill. Dress ensemble. 126,695 ; Apr. 15.
Otte, Werner F., New York, N. Y. Game board. 126,560 ; Apr. 15.
Pallett, Hubert M., Kansas City, Mo. Game board. 126,570 ; Apr. 15.
Pearl, Sidney, assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 126,630 ; Apr. 15.
Pennington, Eugene D., Birmingham, Ala. Packaged set of seamstress articles. 126,631 ; Apr. 15.
Perkins, Kenneth N., assignor to The F. H. Lawson Company, Cincinnati, Ohio. Self-closing refuse can top. 126,632 ; Apr. 15.
Philco Radio and Television Corporation. (See Haines, Edgar F., assignor.)
Phillippe, Alfred, New York, N. Y. Pin clip. 126,633 ; Apr. 15.
Phillippe, Alfred, New York, N. Y. Pin clip. 126,634 ; Apr. 15.
Poland, James J., assignor to Goldstein-Poland Co., Inc., Providence, R. I. Pin or similar article. 126,635 ; Apr. 15.
Potter, Clare, West Nyack, N. Y. Dress. 126,667 ; Apr. 15.
Pressman, Jacob, New York, N. Y. Croquet mallet. 126,571 ; Apr. 15.
Price, Nathan C., Hollywood, Calif. Turbine auxiliary power plant. 126,636 ; Apr. 15.
Punton, Charles W., Penn Township, Allegheny County, and W. P. Yant, Pittsburgh, Pa. Air purifying canister. 126,637 ; Apr. 15.
Punzak, Joseph F. (See Levy, A., and Punzak.)
Rakoff, Isidore, New York, N. Y. Coat. 126,668 ; Apr. 15.
Reinecke, Jean O., Oak Park, assignor to Belden Manufacturing Company, Chicago, Ill. Dual electrical connector. 126,619 ; Apr. 15.
Reynolds, Edwin, Vineland, N. J. Temple member for spectacles or similar articles. 126,638 ; Apr. 15.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 126,639 ; Apr. 15.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 126,640 ; Apr. 15.
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Rogers, Robert A., assignor to Turnsignal Corporation, Philadelphia, Pa. Electric lamp. 126,502 ; Apr. 15.
Rohde, Gilbert, New York, N. Y. Chair. 126,593 ; Apr. 15.
Rosenthal, William, assignor to Malden Form Brassiere Company, Inc., New York, N. Y. Brassière or the like. 126,641 ; Apr. 15, 1941.
Rost, Katheryn, New York, N. Y. Dress. 126,669 ; Apr. 15.
Rost, Katheryn, New York, N. Y. Dress. 126,696 ; Apr. 15.
Rost, Katheryn, New York, N. Y. Dress. 126,697 ; Apr. 15.
Rubin, Max, New York, N. Y. Coat. 126,670 ; Apr. 15.
Salzenstein, Arnold, Peoria, Ill. Textile fabric. 126,642 ; Apr. 15.
Schuetz, Reginald M., Baltimore, Md. Tray. 126,594 ; Apr. 15.
Seigenfeld, Elinor, New Rochelle, N. Y. Dress. 126,671 ; Apr. 15.
Seigenfeld, Elinor, New Rochelle, N. Y. Dress. 126,672 ; Apr. 15.
Siegel, A. L., Co. (See Levitt, B., and Aronson, assignors.)
Silverman, Morris R. (See Marcin, G., and Silverman.)
Spelk, Frederick A., assignor to R. L. Spelk, South Pasadena, Calif. Combination bumper and hanger for mop handles. 126,595 ; Apr. 15.
Spelk, Robert L. (See Spelk, Frederick A., assignor.)
Staehle, Bruno, New York, N. Y. Suit. 126,675 ; Apr. 15.
Stark, Karen, New York, N. Y. Dress. 126,673 ; Apr. 15.
Stark, Karen, New York, N. Y. Dress. 126,674 ; Apr. 15.
Strong, Ceylon P., Millersburg, Ohio. Motor vehicle or the like. 126,643 ; Apr. 15.
Taylor, David, New York, N. Y. Lapel watch. 126,644 ; Apr. 15.
Tenney, Albert B., Boston, Mass. Lawn stand, for supporting or holding miscellaneous articles. 126,561 ; Apr. 15.
Tips Engine Works. (See Tuke, Clement H., assignor.)
Tuke, Clement H., assignor to Tips Engine Works, Austin, Tex. Truck body. 126,645 ; Apr. 15.

Turnsignal Corporation. (See Rogers, Robert A., assignor.)
United Metal Goods Manufacturing Co. Inc. (See Levy, A., and Punzak, assignors.)
Upson Brothers, Inc. (See Burlingame, Fred R., assignor.)
Washburn Company, The. (See Andrews, Arthur G., assignor.)
Weinstein, Morris, New York, N. Y. Coat. 126,562 ; Apr. 15.
White, Allmand S., Norfolk, Va. Roaster for nuts, coffee, or the like. 126,563 ; Apr. 15.
Widman, Charles H., assignor to The Murray Corporation of America, Detroit, Mich. Bath tub. 126,676 ; Apr. 15.
Widman, Charles H., assignor to The Murray Corporation of America, Detroit, Mich. Bath tub. 126,677 ; Apr. 15.
Wingfoot Corporation. (See Cox, J. E., and Kavenagh, assignors.)
Witt, Robert, assignor to The American Legion, Department of Illinois, Chicago, Ill. Badge or like articles. 126,620 ; Apr. 15.
Yant, William P. (See Punton, C. W., and Yant.)
Zuckerman, Harry, New York, N. Y. Suit. 126,678 ; Apr. 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aberson, Nathaniel L., assignor to C. M. Broder, Detroit, Mich., individually and as trustee. Multiple brick unit. 2,238,787; Apr. 15.

Abrams, Neil, assignor to Gibson, Inc., Kalamazoo, Mich. Damping device for musical instruments. 2,238,241; Apr. 15.

Abrams, Victor R. (See Moskovics, F. E., and Abrams.)

Ackert, Muriel H., Nelson, Pa. Chart holder and protector. 2,238,408; Apr. 15.

Adamoli, Carlo, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del. Obtaining soluble beryllium compounds, starting from ores containing beryllium. 2,238,206; Apr. 15.

Aeckerle, Emil, Ludwigshafen-on-the-Rhine, Germany. Improving the stability of hygroscopic substances. 2,238,149; Apr. 15.

Aircraft Radio Corporation. (See Johanson, John E., assignor.)

Air Pressure Indicators. (See Edmonston, Allie, assignor.)

Alafantis, James, et al. (See Vestrem, Ivan H., assignor.)

Alberts, Leonhard, Oberhausen-Holten, Germany, assignor, by mesne assignments, to Hydrocarbon Synthesis Corporation, Linden, N. J. Production of hydrocarbons. 2,238,766; Apr. 15.

Alden, Milton, Brockton, Mass. Socket. 2,238,151; Apr. 15.

Alden, Milton, rockton, Mass. Socket. 2,238,152; Apr. 15.

Alexay, Adalbert, Schenectady, N. Y., assignor to General Electric Company. Apparatus for coating articles such as wires with liquid coating compositions. 2,238,575; Apr. 15.

Alford, Andrew, assignor to MacKay Radio and Telegraph Company, New York, N. Y. Electrical network. 2,238,438; Apr. 15.

All America Cables, Incorporated. (See Connery, Alder F., assignor.)

Allardice, Thomas R., Mountain Lakes, N. J. Steam generator. 2,238,206; Apr. 15.

Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Resiliently packed valve body. 2,238,357; Apr. 15.

Allgeyer, Leo, McKittrick, assignor of one-half to A. E. Miller, Rhineland, Mo. Power take-off for tractors. 2,238,841; Apr. 15.

Allin, George S., Seattle, Wash. Stump splitter. 2,238,094; Apr. 15.

Allis-Chalmers Manufacturing Company. (See De Weln, George F., assignor.)

Almcrantz, Oscar G., Evanston, Ill. Trailer hitch. 2,238,095; Apr. 15.

Almen, John O., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Pretwisted torsion plate spring. 2,238,380; Apr. 15.

Altshuler, Joe A., and D. H. Putney, assignors to Stratford Development Corporation, Kansas City, Mo. Alkylating hydrocarbons. 2,238,802; Apr. 15.

Aluminum Company of America. (See Miller, Mike A., assignor.)

Aluminum Company of America. (See Shepard, Nathaniel L., assignor.)

American Air Filter Company. (See Dahlman, Verner, assignor.)

American Air Filter Company. (See Nutting, Arthur, assignor.)

American Brake Company, The. (See Mueller, Emil G., assignor.)

American Brake Shoe and Foundry Company, The. (See Huber, A. F., and Houston, assignors.)

American Can Company. (See Hothersall, John M., assignor.)

American Coach and Body Company, The. (See Troche, Herman J., assignor.)

American Cyanamid Company. (See Barnes, R. B., Ham, and Moore, assignors.)

American Cyanamid Company. (See Bradley, Theodore F., assignor.)

American Foundry & Furnace Company. (See Macy, William G., assignor.)

American Locomotive Company. (See Clifford, Roger W., assignor.)

American Seating Company. (See Morgan, E. B., and Moore, assignors.)

American Smelting and Refining Company. (See Zischkau, Clarence, assignors.)

American Steel and Wire Company of New Jersey, The. (See Holst, Svend A., assignor.)

American Thermos Bottle Company, The. (See Duevel, Charles O., Jr., assignor.)

Ames, Adelbert, Jr., and H. A. Imus, assignors to Trustees of Dartmouth College, Hanover, N. H. Testing eyes. 2,238,207; Apr. 15.

Ampco Metal. (See Matush, Milan A., assignor.)

Amy, Aceves & King, Inc. (See Amy, Ernest V., assignor.)

Amy, Ernest V., assignor to Amy, Aceves & King, Inc., New York, N. Y. Electric receptacle for multiple radio antennae systems. 2,238,842 Apr. 15.

Anchor Hocking Glass Corporation. (See Whiley, John S., assignor.)

Anderson, James T. (See Scott, W. J., Anderson and Wells.)

Anderson, James R., Gilmer, Tex. Train signal. 2,238,843; Apr. 15.

Andrews, Eleanor U. (See Moskovics, F. E., and Abrams, assignors.)

Andrews, P. L., Corporation. (See Andrews, Stuart M., assignor.)

Andrews, Stuart M., assignor to P. L. Andrews Corporation, Booklyn, N. Y. Dispensing carton. 2,238,548; Apr. 15.

Anthony, Mark W., Tyler, Tex. Motorcycle. 2,238,208; Apr. 15.

Antona Traversi, Roberto, Genoa, and G. Pegna, Reggio Emilia, assignors of one-half to Compagnia Commerciale Caproni, Milan, Italy. Gun barrel. 2,238,670; Apr. 15.

Aquara, Anthony C., Swissvale, and A. W. Visnansky, North Braddock, Pa. Cone dipper. 2,238,150; Apr. 15.

Arbeitlang, Erich, Bremen-Huchting, assignor to Focke-Wulf Flugzeugbau G. m. b. H., Bremen, Germany. Retractable rudder. 2,238,844; Apr. 15.

Arlington Ice and Fuel Company. (See Wolf, John W., assignor.)

Armstrong, Wilfred S. (See Weeks, K. R., and Armstrong.)

Arnold, Elmer C., assignor of one-half to C. Chambers, Bedford, Ind. Drinking straw dispenser. 2,238,845; Apr. 15.

Arthur, Paul, Jr., and M. T. Goebel, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile treatment. 2,238,672; Apr. 15.

Asak, Ragnvald, Vestre Aker, near Oslo, Norway, assignor to Christiania Spigerverk, Nydalen, near Oslo, Norway. Treatment of titanium containing iron ores. 2,238,673; Apr. 15.

Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)

Atlantic Refining Company, The. (See Grieainger, William K., assignor.)

Atlantic Refining Company, The. (See Thompson, Kenneth M., assignor.)

Atlas Bolt and Screw Company, The. (See Schellentrager, Eugene W., assignor.)

Automotive Products Company Limited. (See Gates, Geoffrey R. G., assignor.)

Babson Bros. Co. (See Mather, George C., and Lingard, assignors.)

Bach, Emmon. (See de Flores, L., and Bach.)

Bahlke, Alfred F. (See Koerner, W. E., Bahlke, and Marvin.)

Baker Box Company. (See Priest, Dwight E., assignor.)

Baker, James N., and G. C. Wilhide, Towson, Md., assignors to The Black and Decker Manufacturing Company. Polishing and wet sanding. 2,238,090; Apr. 15.

Baker, Rest R., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic compensation for temperature variations. 2,238,617; Apr. 15.

Baldwin Rubber Company. (See McDonald, Angus, assignor.)

Balon, Walter J., Carneys Point, and J. M. Tinker, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aromatic fluorine compounds. 2,238,242; Apr. 15.

Barnes, Norman W. (See Dube, J. E., and Barnes.)

Barnes, Robert B., Stamford, G. P. Ham, Riverside, and L. P. Moore, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Blueprint coating. 2,238,301; Apr. 15.

Barney, Harold L., and U. S. Berger, New York, and A. E. Melhose, St. Albans, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegrad. 2,238,028; Apr. 15.

Barr, Norman L., U. S. Navy. Instrument flying device. 2,238,029; Apr. 15.

Barrow, George M. (See Crichton, L. N., and Barrow.)

Basic Dolomite, Incorporated. (See Seaton, M. Y., and Hartzell, assignors.)

Bassin, Charles S., Newton, assignor to New England Theatres, Inc., Boston, Mass. Film holding appliance. 2,238,358; Apr. 15.

Batchelor, John C. (See Foster, Howard C., assignor.)

Batchelor, John C., Hastings on Hudson, N. Y. Image analyzer. 2,238,381; Apr. 15.

Bath, John, & Company. (See Bath, Stanley W., assignor.)

Bath, Stanley W., Shrewsbury, assignor to John Bath & Company, Worcester, Mass. Internal gauge for spacing holes. 2,238,515; Apr. 15.

Battey, Alexander J. (See Rabezzana, H., Battey, and Wyatt.)

Battle, Henry W., Jr., Louisville, Ky., assignor to Devoe & Reynolds Co., Inc. Color matching device. 2,238,674; Apr. 15.

Bauer, Hans F., Chicago, J. V. Bauer, Elmwood Park, and D. M. Hawley, Geneva, assignors to Stein, Hall Manufacturing Company, Chicago, Ill. Adhesive composition. 2,238,767; Apr. 15.

Bauer, Jordan V. (See Bauer, Hans F., J. V., and Hawley.)

Bauer, Wilhelm, Leverkusen-Wiesdorf, and B. Bollweg, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline & Film Corporation. Anthraguinone-benzacridone vat dyestuffs. 2,238,209; Apr. 15.

Baumbach, Emil A., Chicago, Ill. Die set. 2,238,302; Apr. 15.

Baxter, Harold G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Distributing panel. 2,238,618; Apr. 15.

Beckwith Manufacturing Company. (See Miller, Harold S., assignor.)

Beitman, Bernard J., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Bias cutter control means. 2,238,303; Apr. 15.

Belanger, Albert P. D., assignor to Chicago Wheel & Manufacturing Company, Chicago, Ill. Cutting tool. 2,238,304; Apr. 15.

Belcher Hinge Corporation. (See Reinhardt, Louis W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Barney, H. L., Berger, and Melhose, assignors.)

Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Murphy, Paul B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Myers, Oscar, assignor.)

Bell Telephone Laboratories, Incorporated. (See Reynolds, Frederick W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Weaver, Allan, assignor.)

Bendix Aviation Corporation. (See Mathieson, Andrew C., assignor.)

Bendix Products Corporation. (See Sanford, Roy S., assignor.)

Berger, Uriah S. (See Barney, H. L., Berger, and Melhose.)

Berghaus, Bernhard. (See Hass, Walter, assignor.)

Berglund, Ernest A., Youngstown, and J. H. Drennen, Girard, assignors to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Control valve. 2,238,768; Apr. 15.

Berkey, William E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Spark gap device. 2,238,619; Apr. 15.

Berman, Morris, New York, N. Y. Wall support for floor systems. 2,238,769; Apr. 15.

Bertele von Grenadenberg, Hans, Berlin-Schmargendorf, assignor to Patenteverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany. Production of high frequency electrical oscillations. 2,238,712; Apr. 15.

Berthold, Walter K., Rockville, and H. W. Ingle, Windsor, assignors to Hartford-Empire Company, Hartford, Conn. Paste mold machine for and method of forming narrow neck glass articles. 2,238,803; Apr. 15.

Bés, Armand. (See Pelcé, H., Bés, and Tizzoni.)

Beverly Holdings, Ltd. (See Myers, Isaac A., assignor.)

Bierek, Joseph W., Seattle, Wash., assignor to Industrial Patents Corporation, Chicago, Ill. Sausage cooker. 2,238,549; Apr. 15.

Bigelow Sanford Carpet Co., Inc. (See Cook, Jerome E., assignor.)

Bingham Stamping Company, The. (See McCarthy, Charles S., assignor.)

Bishop, William T., assignor to Hercules Powder Company, Wilmington, Del. Froth flotation process. 2,238,439; Apr. 15.

Black, Crayton K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Liquid coating composition. 2,238,243; Apr. 15.

Black and Decker Manufacturing Company, The. (See Baker, J. N., and Wilhide, assignors.)

Blackburn, George, and Sons Limited. (See Start, Harry W. and E., assignors.)

Blackburn, Philip W., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Photosensitive glow relay tube. 2,238,620; Apr. 15.

Blain, Albert, Philadelphia, Pa., assignor to Radio Corporation of America. Electric switch. 2,238,097; Apr. 15.

Blair, Charles M. (See McNamee, R. W., and Blair.)

Blake, Samuel, Brookline, and E. Woll, Dorcester, assignors to New York Mattress Company, Boston, Mass. Waterproof mattress. 2,238,550; Apr. 15.

Blau, Henry H., Charleroi, Pa., assignor to Corning Glass Works, Corning, N. Y. Making hollow glass building blocks. 2,238,153; Apr. 15.

Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Snap acting thermal switch. 2,238,621; Apr. 15.

Bloom, Victor, and B. Siegel, New York, N. Y. Dental articulator with offset pivotal connection for the holders. 2,238,551; Apr. 15.

Bloore, Ernest J. (See Copeland, R. J., and Bloore.)

Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. High frequency electrical conductor or radiator. 2,238,770; Apr. 15.

Boegehold, Alfred L., assignor to General Motors Corporation, Detroit, Mich. Formation of ferrous metal powders and formation of articles by sintering. 2,238,382; Apr. 15.

Boeing Aircraft Company. (See Soderquist, A. A., and Minshall, assignors.)

Boersch, Hans, Berlin, Germany, assignor to General Electric Company. (Electron microscope.) 2,238,577; Apr. 15.

Bollweg, Bernhard. (See Bauer, W., and Bollweg.)

Bolton, Jack I., et al. (See Vestrem, Ivan H., assignor.)

Bomberger, William C., Harrisburg, Pa. Signal light. 2,238,409; Apr. 15.

Bommer, Max. (See Moergeli, E., Krauer, and Bommer.)

Borg-Warner Corporation. (See Ivandick, Mathew G., assignor.)

Borgkvist, Elmer S., Arlington, N. J. Relay. 2,238,154; Apr. 15.

Borland, James E., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hoist control. 2,238,622; Apr. 15.

Boschke, Frank G. (See Heyn, H. B., and Boschke.)

Botteron, Leonard K. (See Jabelmann, O., and Botteron.)

Bour, Paul L. (See Busignies, H. G., and Bour.)

Bower Roller Bearing Company. (See Johnson, Glen F., assignor.)

Bowers, Edward W., Oakfield, N. Y. Sanding apparatus for highways. 2,238,788; Apr. 15.

Bowering, Henry G., Needham, assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Rotary pump or the like. 2,238,552; Apr. 15.

Bowser, Percy L., University City, assignor to The Sterling Corporation, St. Louis, Mo. Piston. 2,238,086; Apr. 15.

Bowser, Percy L., University City, W. M. Venner, Richmond Heights, and P. L. Bowser, Jr., University City, assignors to The Sterling Corporation, St. Louis, Mo. Piston. 2,238,087; Apr. 15.

Bowser, Percy L., Jr. (See Bowser, P. L., Venner, and Bowser.)

Bowser, Percy L., Jr. (See Venner, W. M., and Bowser.)

Brace, Kemper P. (See Wells, F. H., and Brace.)

Bradley, Milton Company. (See Ford, William H., assignor.)

Bradley, Milton Co. (See Roberts, George D., assignor.)

Bradley, Theodore F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Co-polymers of convertible esters. 2,238,030; Apr. 15.

Bradley Washfountain Company. (See Mullett, Howard A., assignor.)

Bradshaw, Hamilton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fabric. 2,238,098; Apr. 15.

Branch, Clarence M., Mason City, Ill. Guard for mowers. 2,238,305; Apr. 15.

Brandt, David G., Westfield, N. J., assignor to Cities Service Oil Company, New York, N. Y. Process for refining pressure distillate. 2,238,429; Apr. 15.

Brandt, Henry E., St. Paul, Minn. Portable drinking fountain. 2,238,093; Apr. 15.

Braswell, Benjamin D., Los Angeles, Calif. Curb feeler for automobiles. 2,238,306; Apr. 15.

Brennan, Joseph B., Euclid, Ohio. Condenser and making same. 2,238,031; Apr. 15.

Brevets Francotte pour Chassis de Fenêtres Métalliques, Société anonyme, en abrégé "Francochass." (See Francotte, Joseph, assignor.)

Brewster, Charles A., assignor of one-half to C. D. Grant, Arkansas City, Kans. Foldable chicken coop. 2,238,676; Apr. 15.

Brewster, Morris B., Co., Inc. (See Turner, Guilford S., assignor.)

Broder, Celia M. (See Aberson, Nathaniel L., assignor.)

Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lasting machine. 2,238,244; Apr. 15.

Brother, George H., Urbana, and L. L. McKinney, Champaign, Ill., assignors to Secretary of Agriculture of the United States of America. Thermoplastic protein material. 2,238,307; Apr. 15.

Brown, Elijah A., Atlanta, Ga. Footwear. 2,238,804; Apr. 15.

Brown, George H., and R. F. Lewis, Haddonfield, N. J., assignors to Radio Corporation of America. Ultra high frequency antenna system. 2,238,245; Apr. 15.

Bruening, Robert, Berlin, Germany. Adjustable tool holder. 2,238,675; Apr. 15.
Bruestle, Carl O., assignor to Elevator Supplies Company, Incorporated, Rahway, N. J. Reel arbor. 2,238,460; Apr. 15.
Brun, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of styphnic acid salts. 2,238,210; Apr. 15.
Brus, Emile P., Kansas City, Mo. Electric plug. 2,238,099; Apr. 15.
Buck, Frank. (See McCumber, S. L., and Buck, assignors.)
Buckeye Steel Castings Company, The. (See Johnson, G. T., and Wolfe, assignors.)
Buckingham, William D. (See Nelson, D. H., and Buckingham.)
Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)
Buggie, H. H., & Company. (See Cook, Everett J., assignor.)
Burke, Samuel M., Dayton, Ohio, and C. J. Crane, Montgomery, Ala. Direct reading sextant. 2,238,032; Apr. 15.
Burkeman, Axel H., Minneapolis, Minn. Auger saw. 2,238,578; Apr. 15.
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake head and mounting therefor. 2,238,100; Apr. 15.
Busiguies, Henri G., and P. L. Bour, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Radio direction finder installation. 2,238,211; Apr. 15.
Byers, John R., Jr. (See Dickey, J. B., and Byers.)
Byrkit, Gordon D. (See Davis, L. L., Lincoln and Byrkit.)
Cabell, Charles A., Washington, D. C., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Producing transparent articles. 2,238,579; Apr. 15.
Cameron Iron Works. (See Allen, Herbert, assignor.)
Campbell, Milton C., Elmhurst, assignor to C. & E. Marshall Company, Chicago, Ill. Staking tool. 2,238,580; Apr. 15.
Canal National Bank of Portland, trustee. (See Shepard, Ernest L., assignor.)
Capucinti, Joseph, New York, N. Y. Vehicle wheel. 2,238,410; Apr. 15.
Carbide and Carbon Chemicals Corporation. (See McNamee, R. W., and Blair, assignors.)
Carbide and Carbon Chemicals Corporation. (See Wilson, A. L., and Fife, assignors.)
Cardox Corporation. (See Ensminger, Harry, assignor.)
Cardox Corporation. (See Geertz, Eric, assignor.)
Cardwell, James R. (See Sproul, Donald F., assignor.)
Carlson, Axel R., Rockford, Ill. Sewing cabinet. 2,238,033; Apr. 15.
Carman, James W., Seattle, Wash. Means for purifying toilet gases. 2,238,461; Apr. 15.
Carnegie-Illinois Steel Corporation. (See Quigley, W. M., and Tayleson, assignors.)
Carr Fastener Company Limited. (See Wagstaff, George, assignor.)
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Compensator for gyromagnetic compasses. 2,238,807; Apr. 15.
Cartland, George F., assignor to The Upjohn Company, Kalamazoo, Mich. Purifying gonadotropic hormonal substance. 2,238,868; Apr. 15.
Case, J. I. Company. (See MacGregor, Wallace F., assignor.)
Cassel, Norman S., Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Dyestuff composition. 2,238,855; Apr. 15.
Castro, Manuel, Canton, Ohio. Separable belt connector. 2,238,789; Apr. 15.
Caterpillar Tractor Co. (See Starr, O. L., Grothe, and Eberhard, assignors.)
Celanese Corporation of America. (See Ellis, G. H., and Stanley, assignors.)
Celanese Corporation of America. (See Wylde, J. R., and Williams, assignors.)
Century Radio Aerial, Inc. (See Schwartz, Max A., assignor.)
Chace, Paul G., Attleboro Falls, assignor to Metals & Controls Corporation, Attleboro, Mass. Manufacturing composite thermostatic metal. 2,238,034; Apr. 15.
Chambers, Carl. (See Arnold, Elmer C., assignor.)
Chambers, Dudley E., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,238,623; Apr. 15.
Chapel, Ralph E., Hollywood, Calif., assignor of one-half to T. Davis, Chicago, Ill. Alarm apparatus. 2,238,246; Apr. 15.
Chapman Valve Manufacturing Co., The. (See Malcolm, Vincent T., assignor.)
Chappell, Marvin L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Diesel engine fuel. 2,238,553; Apr. 15.
Char, Yew, Honolulu, Hawaii. Sound producing device. 2,238,035; Apr. 15.
Chatterton, Roilin M., Malden, assignor to Hydrocarbons Research Co., Boston, Mass. Apparatus for manufacture of carbide. 2,238,516; Apr. 15.
Chayes, Nathaniel, New Rochelle, N. Y. Portable hand tool electric motor driven grinder. 2,238,440; Apr. 15.
Chesler, Isidor, Oceanport, N. J., assignor to Eagle Pencil Company Inc., New York, N. Y. Pencil lead. 2,238,771; Apr. 15.
Chettle, Agnes M., Long Beach, Calif. Bank doll and the like. 2,238,308; Apr. 15.
Chicago Pump Company. (See Page, Alfred C., assignor.)
Chicago Wheel & Manufacturing Company. (See Belanger, Albert P. D., assignor.)
Chivers & Sons Limited. (See Fison, Frederick J., assignor.)
Christensen, John A., Arlington, Mass. Crate. 2,238,484; Apr. 15.
Christiania Spigerverk. (See Asak, Ragnvald, assignor.)
Chrysler Corporation. (See Fishburn, Otto E., assignor.)
Chrysler Corporation. (See Glassford, Fred, assignor.)
Chrysler Corporation. (See Hadley, N. F., and Huebner, assignors.)
Chrysler Corporation. (See Hunter, William A., assignor.)
Chrysler Corporation. (See Neracher, C. A., Dunn, Syrovy, and Iavelli, assignors.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Chrysler Corporation. (See Wallace, David A., assignor.)
Churchill, Wilmer H., Saugus, assignor to United Carr Fastener Corporation, Cambridge, Mass. Snap fastener member. 2,238,856; Apr. 15.
Cities Service Oil Company. (See Brandt, David G., assignor.)
Clar, Carl, Oberhausen Holten, N. Gelser, Duisburg-Hamborn, and P. Kühnel, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Improving lubricating oils. 2,238,846; Apr. 15.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Off peak water heater control. 2,238,624; Apr. 15.
Clausen, Harold C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,238,772; Apr. 15.
Clifford, Roger W., Schenectady, assignor to American Locomotive Company, New York, N. Y. Servomotor. 2,238,101; Apr. 15.
Clothier, William C. (See Muir, N. S., Clothier, and Whitaker.)
Clutts, Joshua K., Detroit, Mich. Water cooled cupola. 2,238,036; Apr. 15.
Coca-Cola Company, The. (See Copping, Bruce G., assignor.)
Cockerell, Christopher S. (See Furnival, J. M., Witt, and Cockerell.)
Cocoris, Gus, et al. (See Vestrem, Ivan H., assignor.)
Cohen, William B., Elizabeth, N. J. Apparatus for separating metals and alloys. 2,238,155; Apr. 15.
Coiner, Lloyd O., assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Spring structure for mattresses. 2,238,156; Apr. 15.
Colberg, Rolf. (See Strübig, H., and Colberg.)
Colley, Arthur R., and J. B. Geers, assignors to The National Cash Register Company, Dayton, Ohio. Cash register. 2,238,517; Apr. 15.
Collins, Harry L., assignor to Knapp Monarch Company, St. Louis, Mo. Motor speed adjusting device. 2,238,383; Apr. 15.
Collins, Lawrence B., Orange, and C. A. Langstaff, Compton, Calif. Sampling means. 2,238,677; Apr. 15.
Color Research Corporation. (See Grimson, Samuel R., assignor.)
Colwill, Richard P., Omaha, Nebr. Beet harvesting and topping machine. 2,238,247; Apr. 15.
Comfy Manufacturing Co., The. (See Katzner, Fred E., assignor.)
Commercial Shearing and Stamping Company. (See Berglund, E. A., and Drennen, assignors.)
Compagnia Commerciale Caproni. (See Antona Traversi, R., and Pegna, assignors.)
Conklin, Fred, Los Angeles, Calif. Combination shock absorber and extension leg. 2,238,411; Apr. 15.
Connery, Alder F., Brooklyn, assignor to All America Cables, Incorporated, New York, N. Y. Multiplex channel repeater system. 2,238,248; Apr. 15.
Continental Aviation and Engineering Corporation. (See Meyer, Andre J., assignor.)
Continental Oil Company. (See Davis, L. L., Lincoln and Byrkit, assignors.)
Cook, Arthur H. (See Kuhn, R., Weygand, and Cook.)
Cook, Everett J., assignor to H. H. Buggie & Company, Toledo, Ohio. Control system for reproducing machines. 2,238,717; Apr. 15.
Cook, Jerome E., Larchmont, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile fabric cutter. 2,238,678; Apr. 15.
Cooper, Edward F., Auckland, Auckland, New Zealand. Portable spot welding apparatus. 2,238,679; Apr. 15.
Copeland, Robert J., Toronto, Ontario, and E. J. Bloore, Brampton, Ontario, Canada; said Bloore assignor to said Copeland. Duplicating machine. 2,238,359; Apr. 15.
Copping, Bruce G., Toronto, Ontario, Canada, assignor to The Coca-Cola Company, Wilmington, Del. Bottle drier. 2,238,554; Apr. 15.
Corbin, Wesley S., Ridley Park, assignor to Scott Paper Company, Chester, Pa. Mechanism for producing perforated webs. 2,238,137; Apr. 15.

Cornell, Edward S., Jr., Larchmont, N. Y. Method and means of producing wholly integral cold wrought T's and like fittings. 2,238,037; Apr. 15.
Cornell, Edward S., Jr., Larchmont, N. Y. Producing lateral-provided fittings. 2,238,038; Apr. 15.
Cornell, Edward S., Jr., Larchmont, N. Y. Method and apparatus for producing lateral-provided fittings. 2,238,212; Apr. 15.
Corning Glass Works. (See Blau, Henry H., assignor.)
Corning Glass Works. (See Kelm, Everett F., assignor.)
Corning Glass Works. (See Weber, Walter C., assignor.)
Corn Products Refining Company. (See Horesi, A. C., Flint, and Swallen, assignors.)
Cox, Joseph H., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,238,625; Apr. 15.
Cramer, Harold F., Los Angeles, Calif. Meat cooker. 2,238,309; Apr. 15.
Crane, Carl J. (See Burka, S. M., and Crane.)
Crepeau, Daniel H., East Braintree, Mass. Pipe joint. 2,238,462; Apr. 15.
Crever, Frederick E., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 2,238,810; Apr. 15.
Crever, Frederick E., Schenectady, N. Y., assignor to General Electric Company. Electric regulating system. 2,238,811; Apr. 15.
Crichton, Leslie N., Livingston, and G. M. Barrow, Nutley, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Relay and relay protective system. 2,238,626; Apr. 15.
Crompton & Knowles Loom Works. (See Gordon, A. A., 3rd, and Palmer, assignors.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulator. 2,238,249; Apr. 15.
Cross, Roland C., Bath, England. Float-actuated valve for flush tanks. 2,238,158; Apr. 15.
Crown Cork & Seal Company. (See McCoy, Thomas A., assignor.)
Crown Cork & Seal Company. (See Pearson, Thomas F., assignor.)
Cruzan, Charles C., Hyde Park, assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Punch. 2,238,686; Apr. 15.
Currie, William E. (See Wirth, Gustav, assignor.)
Curry, Herman H., Montgomery County, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Marine Diesel-electric propulsion plant. 2,238,627; Apr. 15.
Curtis, Charles H., Miami, Fla., assignor to Miami Copper Company, New York, N. Y. Purifying molybdenite concentrates. 2,238,250; Apr. 15.
Curtis Manufacturing Company. (See Steedman, Edwin H., assignor.)
Cutler-Hammer, Inc. (See Schmidt, Edwin N., assignor.)
Dahlman, Verner, assignor to American Air Filter Company, Inc., Louisville, Ky. Air filter loader. 2,238,251; Apr. 15.
Daisley, Robert H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve construction. 2,238,628; Apr. 15.
Daniel, Karl, Cologne-Sulz, Germany. Mechanical sound recording and reproduction. 2,238,412; Apr. 15.
Dartmouth College, Trustees of. (See Ames, A., Jr., and Imus, assignors.)
Davidson, John M. (See Marks, C. E., Jr., and Davidson.)
Davis, Frank L., Jr., Kenilworth, N. J., assignor of one-half to A. W. Deller, New York, N. Y. Multiple plunger variable delivery pump. 2,238,252; Apr. 15.
Davis, Lloyd L., B. H. Lincoln, and G. D. Byrkit, assignors to Continental Oil Company, Ponca City, Okla. Synthesizing sulphur-bearing high molecular weight hydrocarbons. 2,238,790; Apr. 15.
Davis, Talmage. (See Chapel, Ralph E., assignor.)
Dawn Mfg. Corp., The. (See Welter, Herman C., assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
De Florez, Luis, New York, and E. Bach, Yonkers, assignors to National Aviation Research Corporation, New York, N. Y., Indicating instrument. 2,238,718; Apr. 15.
De Lisle, Harold L., Sheboygan, Wis. T-square. 2,238,581; Apr. 15.
Deller, Anthony W. (See Davis, Frank L., Jr., assignor.)
De Marchi, Vincent S. (See Fink, C. G., and de Marchi.)
Demerer, Max C., Brooklyn, assignor to Robbins & Weltz, Inc., New York, N. Y. Handbag. 2,238,213; Apr. 15.
Deninson, Jacob Z., New York, N. Y. Stereoscopic scanning of pictures. 2,238,629; Apr. 15.
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Jackknife switch. 2,238,630; Apr. 15.
Derossi, Agostino D., assignor to Soc. An. Microtecnica, Turin, Italy. Device for preventing overheating in cinema projection apparatus. 2,238,159; Apr. 15.
Dersch, Fritz, and N. Heimbach, Binghamton, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Yellow fog inhibitor for photographic material. 2,238,631; Apr. 15.
Dersch, Fritz, and N. Heimbach, Binghamton, assignors, by mesne asignments, to General Aniline & Film Corporation, New York, N. Y. Yellow fog inhibitor for photographic material. 2,238,632; Apr. 15.
De Tartas, Augustus R., Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Film magazine. 2,238,719; Apr. 15.
Devoe & Reynolds Co. (See Battle, Henry W., Jr., assignor.)
De Wein, George F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Sectionalized V belt. 2,238,430; Apr. 15.
De Witt, Roy, Pontiac, Mich. Toy log structure. 2,238,039; Apr. 15.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Marketing and dispensing package for fluids. 2,238,253; Apr. 15.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Mounting brake shoes. 2,238,254; Apr. 15.
Dickens, Harry, Jersey City, N. J., assignor to Sensytrol Corporation, Washington, D. C. Power control system. 2,238,040; Apr. 15.
Dickens, Harry, Jersey City, N. J. Power control system. 2,238,041; Apr. 15.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compound and material colored therewith. 2,238,485; Apr. 15.
Dickey, Joseph B., and J. R. Byers, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,238,486; Apr. 15.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azine compounds and materials colored therewith. 2,238,487; Apr. 15.
Dickinson, Cloyd C., and C. F. B. Stowell; said Stowell assignor, by mesne assignments, to F. C. McCrum, Chicago, Ill. Hypodermic injection apparatus, and preparing for and making such injections. 2,238,582; Apr. 15.
Dictaphone Corporation. (See Norton, Leland D., assignor.)
Dieck, Walter, assignor to Olympia Büromaschinenwerke A. G., Erfurt, Germany. Ribbon spool drive for typewriting machines. 2,238,518; Apr. 15.
Dietzgen, Eugene, Co. (See Langsner, Adolph, assignor.)
Dinnick, George M. (See Mouromtseff, I. E., and Dinnick.)
Di Pippo, Richard. (See Travers, Joseph, assignor.)
Ditcham, William T., Chelmsford, England, assignor to Radio Corporation of America. Modulated carrier wave transmitter. 2,238,255; Apr. 15.
Ditto, Incorporated. (See Williams, Robert A., assignor.)
Dodge, Adlel Y., Rockford, Ill. Transmission. 2,238,310; Apr. 15.
Dodge, Adlel Y., Rockford, Ill. Coupling. 2,238,583; Apr. 15.
Dodson, William C. (See Drum, H. S., Dodson, and Jaxheimer.)
Dole, Kenneth, Melrose, Mass. Fountain pen. 2,238,214; Apr. 15.
Domestic Manufacturing Company. (See Vaughn, S. P., and Jenkins, assignors.)
Doom, Ernest F., New Rochelle, N. Y., assignor to Electro-Metallurgical Company. Making nickel-chromium alloys. 2,238,160; Apr. 15.
Dorough, George L., Holly Oak, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Container closure. 2,238,681; Apr. 15.
Dorsey, David J., Port Arthur, Tex. Wringer attachment for tubs. 2,238,162; Apr. 15.
Dorsey, Francis E., assignor to Hartford-Empire Company, Hartford, Conn. Glassware lehr and annealing method. 2,238,791; Apr. 15.
Dotterweich, Francis X., Dunkirk, N. Y. Ice cube cutting machine. 2,238,805; Apr. 15.
Doubledent, Felix, assignor to Société Chantereine d'Applications Industrielles de Brevets, Paris, France. Oil burner. 2,238,806; Apr. 15.
Doughty, Larner, Somerdale, and L. A. Ladner, assignors to Peerless Kid Company, Camden, N. J. Staking machine. 2,238,413; Apr. 15.
Dow Chemical Company, The. (See Hanawalt, J. D., and Nelson, assignors.)
Dow Chemical Company, The. (See Hanawalt, J. D., Nelson, and Peake, assignors.)
Dow Chemical Company, The. (See MacPhail, Arthur A., assignor.)
Drake, Augustus W., Pasadena, Calif. Garment hanger. 2,238,519; Apr. 15.
Drennen, John H. (See Berglund, E. A., and Drennen.)
Drew, Ernest F., New York, N. Y. Mixed lauric-myristic esters and method of making same. 2,238,441; Apr. 15.
Drew, Ernest F., New York, N. Y. Mixed capric-caprylic esters and making same. 2,238,442; Apr. 15.
Drew, William F., and H. O. Duerr, Los Angeles, Calif. Tandem rotary incinerator. 2,238,161; Apr. 15.
Dreyfuss, Henry, New York, N. Y., assignor to The New York Central Railroad Company. Railroad car. 2,238,847; Apr. 15.
Drum, Harry S., and W. C. Dodson, Abington, and W. H. Jaxheimer, assignors to Smith, Drum and Company, Philadelphia, Pa. Apparatus for handling package carriers. 2,238,633; Apr. 15.
Duael, Alexander J., Lombard, and E. Van Cura, Brookfield, Ill.; said Van Cura assignor to said Duael. Cleaning machine. 2,238,720; Apr. 15.

Dube, John E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Damper motor. 2,238,807; Apr. 15.
Dube, John E., and N. W. Barnes, assignors to The Fulton Sylphon Company, Knoxville, Tenn. Refrigerating system. 2,238,808; Apr. 15.
Dubilier, William, New Rochelle, N. Y. Fastening device, particularly rivets. 2,238,463; Apr. 15.
Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice operated mechanism. 2,238,555; Apr. 15.
Duerr, Harry O. (See Drew, W. F., and Duerr.)
Duevel, Charles O., Jr., assignor to The American Thermos Bottle Company, Norwich, Conn. Vacuum bottle. 2,238,721; Apr. 15.
Duisberg, Walther H. (See Hanfle, Otto, assignor.)
Dunn, William T. (See Neracher, C. A., Dunn, Syrovy, and Iavelli.)
Du Pont, E. I., de Nemours & Company. (See Arthur, Paul, Jr., and Goebel, assignors.)
Du Pont, E. I., de Nemours & Company. (See Balon, W. J., and Tinker, assignors.)
Du Pont, E. I., de Nemours & Company (See Black, Crayton K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bradshaw, Hamilton, assignor.)
Du Pont, E. I., de Nemours & Company. (See Dorough, George L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dykstra, H. B., and Jacobson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Fields, Charles M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hanford, William E., assignor.)
Du Pont, E. I., de Nemours & Company, et al. (See Johnson, C. R., and Pierce, assignors.)
Du Pont, E. I., de Nemours & Company. (See Keenen, Frank G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kuettel, Glen M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Martone, Thomas A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Nydegger, Roland R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Overbaugh, Sidney C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sauer, John C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Walker, Herbert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wells, Clarence F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wiley, Richard H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Durgin, Edgar R., Maplewood, assignor to New Jersey Optical Co., Irvington, N. J. Ophthalmic mounting. 2,238,536; Apr. 15.
Duryea, O. C., Corporation. (See Duryea, Otho C., assignor.)
Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 2,238,163; Apr. 15.
Dyer, James J., Toronto, Ohio. Flue liner. 2,238,311; Apr. 15.
Dykstra, Harry B., Wilmington, Del., and R. A. Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric reaction product of amides with monovinylacetylenes. 2,238,682; Apr. 15.
Eagle Pencil Company Inc. (See Chesler, Isidor, assignor.)
Eastman Kodak Company. (See Dickey, J. B., and Byers, assignors.)
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Gillon, John W., assignor.)
Eastman Kodak Company. (See Hasche, Rudolph, assignor.)
Eastman Kodak Company. (See Hutchison, Miller R., Jr., assignor.)
Eastman Kodak Company. (See Mannes, L. D., and Godowsky, Jr., assignors.)
Eastman Kodak Company. (See Merriman, William E., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Tierney, Philip W., assignor.)
Eastman Kodak Company. (See Van Derhoef, Henry E., assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eastman Kodak Company. (See Yule, John A. C., assignor.)
Eaton Manufacturing Company. (See Dalsley, Robert H., assignor.)
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Eberhard, Harmon S. (See Starr, O. L., Grothe, and Eberhard.)
Eckert, Wilhelm, K. Schilling, and P. Hofmann, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Chromable triarylmethane dyes. 2,238,215; Apr. 15.
Economy Fuse & Manufacturing Company. (See Cabell, Charles A., assignor.)
Edgren, Fred E., Chicago, Ill. Wallpaper trimmer's straightedge. 2,238,557; Apr. 15.
Edgren, Fred E., Chicago, Ill. Straightedge and cutter guide. 2,238,558; Apr. 15.
Edmonston, Allie, Wellston, assignor to Air Pressure Indicators, Inc., St. Louis, Mo. Switch assembly for pressure indicators. 2,238,312; Apr. 15.
Edson, Theodore C., Orinda, Calif. Printer's set-up clip. 2,238,042; Apr. 15.
Edwards, E. H., Company. (See McDonald, George E., assignor.)
Edwards, Edward H., Chicago, Ill. Method and machine for manufacturing marshmallows, other confections, and food products. 2,238,164; Apr. 15.
Eger, Ernst, Grosse Pointe Park, Mich., assignor, by mesne assignments, to United Rubber Company, New York, N. Y. Manufacturing antiskid devices. 2,238,216; Apr. 15.
Egersdörfer, Fritz, Berlin, Germany. Twin type gear pump. 2,238,313; Apr. 15.
Eichler, Edwin. (See Keyssner, E., and Eichler.)
Eisinga, Dirk, assignor to National Steel Construction Co., Seattle, Wash. Tank. 2,238,102; Apr. 15.
Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electrical & Musical Industries Limited. (See Mitchell, Frank A., assignor.)
Electro Metallurgical Company. (See Doom, Ernest F., assignor.)
Elevator Supplies Company. (See Bruestle, Carl O., assignor.)
Elliott, Harvey F., assignor to Louis S. Wertz, Inc., Cleveland, Ohio. Highway guard. 2,238,683; Apr. 15.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Resin complex and making same. 2,238,684; Apr. 15.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Complex resin coating composition and making same. 2,238,685; Apr. 15.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis, George H., and E. Stanley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of textile and like materials. 2,238,165; Apr. 15.
Empire Corrugated Container Corp. (See Hayden, Harold J., assignor.)
Engel, William, Clayton, and H. A. Reinhardt, assignors to Universal-Engel Paper Box Co., Inc., St. Louis, Mo. Making containers. 2,238,256; Apr. 15.
Engstrom, Andrew G. (See Julian, P. L., and Engstrom.)
Enrich, Henry A., New York, N. Y. Bag. 2,238,217; Apr. 15.
Ensminger, Harry, assignor to Cardox Corporation, Chicago, Ill. Fire extinguisher discharge device. 2,238,686; Apr. 15.
Enterprise Manufacturing Co. of Pa., The. (See Napier, George R., assignor.)
Erickson, Vernon W., Grand Coulee, Wash. Door latch. 2,238,414; Apr. 15.
Erland af Kleen, Nils, Stockholm, Sweden. Thermostatic controlling device. 2,238,043; Apr. 15.
Exploitatie Maatschappij Marcin & Co. N. V. (See Marcin, Victor W., assignor.)
Faber, Ferdinand, Amberg Oberpfalz, and C. Ostermann, Gelsenkirchen, Germany, assignors to International De Lavaud Manufacturing Corporation, Limited, Jersey City, N. J. Wheel mounting for centrifugal casting machines. 2,238,584; Apr. 15.
Fairbanks, Morse & Company. (See Hadley, Harlan A., assignor.)
Falk Corporation, The. (See Schmitter, Walter P., assignor.)
Falk, William, Far Rockaway, N. Y., assignor to Independent Lock Company, Fitchburg, Mass. Lock mechanism for doors. 2,238,314; Apr. 15.
Farley, John J., Rutherford, N. J., assignor to Modern Curtain Co. Inc., Boston, Mass. Window curtain. 2,238,559; Apr. 15.
Farr, Harold, and J. Wilson, Lindsay, Ontario, Canada. Adjustable show card easel. 2,238,415; Apr. 15.
Farval Corporation, The. (See Graves, George T., assignor.)
Feisst, Walter, H. Neweling, and O. Roelen, Oberhausen-Holten, Germany, assignors, by mesne assignments, to Hydrocarbon Synthesis Corporation, Linden, N. J. Conversion of carbon oxides into higher hydrocarbons. 2,238,726; Apr. 15.
Fell, Hugh P., New York, N. Y. Apparatus for purifying casein. 2,238,690; Apr. 15.
Feltman, Charles A., Brooklyn, N. Y. Pneumatic amusement machine gun. 2,238,384; Apr. 15.
Fender, Ferdinand E., Evanston, assignor to Vaughan Novelty Mfg. Co., Chicago, Ill. Bottle stopper. 2,238,722; Apr. 15.
Fernsch Aktiengesellschaft. (See Flechsig, Werner, assignor.)

Fernsch Aktien-Gesellschaft. (See Strübig, H., and Colberg, assignors.)
Ferris, Walter, Milwaukee, Wis. Speed controller for prime movers. 2,238,218; Apr. 15.
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Schade, Rudolf, assignor.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Schnitger, Herbert, assignor.)
Fields, Charles M., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for polymerization. 2,238,443; Apr. 15.
Fife, Harvey R. (See Wilson, A. L., and Fife.)
Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Automobile underseat air conditioning unit. 2,238,585; Apr. 15.
Fineran, Edward V., Silver Spring, Md., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature controlling device. 2,238,219; Apr. 15.
Fink, Colin G., New York, and Vincent S. de Marchi, Jamaica, N. Y. Treating aluminous material to produce alumina. 2,238,103; Apr. 15.
Finley, Leonard P., Columbus, Ohio, assignor to The Union Fork and Hoe Company. Tool handle. 2,238,104; Apr. 15.
Fire-Gard Corporation. (See Stover, Paul A., assignor.)
Fischer, Alexander, Los Angeles, Calif. Safety plug. 2,238,257; Apr. 15.
Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission synchronizing mechanism. 2,238,723; Apr. 15.
Fison, Frederick J., Histon, Cambridge, assignor to Chivers & Sons Limited, Cambridge, England. Closure for jars or similar containers. 2,238,105; Apr. 15.
Flannery Bolt Company. (See Greenslade, Grover R., assignor.)
Flechsig, Werner, Berlin-Charlottenburg, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Electron multiplier. 2,238,634; Apr. 15.
Fleischer, Max, Miami Beach, Fla. Sheet of drawing material. 2,238,106; Apr. 15.
Fleisher, Harry, Watertown, assignor to Princeton Knitting Mills, Inc., Watertown, Conn. Fabric napping machine. 2,238,560; Apr. 15.
Fletcher, James L., Schenectady, N. Y., assignor to General Electric Company. Refrigerator cabinet. 2,238,635; Apr. 15.
Fletcher, William G., Bogota, N. J. Convertible sailing vessel. 2,238,464; Apr. 15.
Flexnit Company. (See Weintraub, S., and Martin, assignors.)
Flint, Amos H. (See Horesi, A. C., Flint, and Swallen.)
Flocker, Delbert H., Mardela, Md. Cord holder. 2,238,258; Apr. 15.
Flurscheim, Cedric H., Fleet, England, and W. F. Skeats, Lansdowne, Pa., assignors to General Electric Company. Electric switchgear. 2,238,636; Apr. 15.
Flynn, Edward J., Schenectady, N. Y., assignor to General Electric Company. Apparatus for coating wires and the like. 2,238,687; Apr. 15.
Focke-Wulf Flugzeugbau G. m. b. H. (See Arbeitlang, Erich, assignor.)
Foerster, Charles V., Santa Cruz, Calif. Removal of phosphorus from ores. 2,238,586; Apr. 15.
Ford, George K., Jr., Perrysburg, and G. White, Rossford, Ohio. Atomizer. 2,238,315; Apr. 15.
Ford, William H., East Longmeadow, assignor to Milton Bradley Company, Springfield, Mass. Card trimmer. 2,238,857; Apr. 15.
Forster, Percy M., Berkeley, Calif. Nozzle. 2,238,360; Apr. 15.
Foskett, Maynard L., assignor to The E. F. Hauserman Company, Cleveland, Ohio. Panel and supporting means therefor. 2,238,488; Apr. 15.
Foster, Harry C., Connersville, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Refrigerator cabinet construction. 2,238,416; Apr. 15.
Foster, Howard C., Los Angeles, Calif., assignor to J. C. Batchelor. Plug valve. 2,238,385; Apr. 15.
Foster, Theodore W., & Bro. Company. (See Parkin, Winfred T., assignor.)
Francotte, Joseph, Merxem, near Antwerp, Belgium, assignor to Brevets Francotte pour Chassis de Fenêtres Métalliques, Société anonyme, en abrégé "Francochass," Luxemburg, Luxemburg. Horizontally sliding sash window frame. 2,238,691; Apr. 15.
Frank, Louis, Taft, Calif. Wire or rod clamp and connector. 2,238,386; Apr. 15.
Fravel, William H. F., Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del. Nitration of cellulose. 2,238,444; Apr. 15.
Fredrickson, Chris, assignor to Metal Snow Fence Company, Rice Lake, Wis. Snow fence. 2,238,417; Apr. 15.
Freedman, Benjamin H., Asbury Park, N. J. Ticket. 2,238,724; Apr. 15.
French, George F., Manchester, England. Ladder web. 2,238,465; Apr. 15.
Friedel, Jonas, Omaha, Nebr. Valve. 2,238,387; Apr. 15.
Fry, Benjamin W., University City, Mo. Article delivery machine. 2,238,725; Apr. 15.
Fuener, William v. (See Pier, M., Fuener, and Simon.)
Fullerton, James B., Los Angeles, Calif. Dishwasher. 2,238,044; Apr. 15.
Fulton, Robert R., Pittsburgh, Pa., assignor, by mesne assignments, to Puritan Company, Inc., Rochester, N. Y. Hydraulic pressure transmitting fluid. 2,238,045; Apr. 15.
Fulton Sylphon Company, The. (See Dube, John E., assignor.)
Fulton Sylphon Company, The. (See Dube, J. E., and Barnes, assignors.)
Furnival, John M., Purley, B. J. Witt, Harrow, and C. S. Cockerell, Danbury, England, assignors to Radio Corporation of America. Directional aerial system. 2,238,107; Apr. 15.
Gage, Howard L., Stockton, Ill. Force pump. 2,238,692; Apr. 15.
Gagen, Thomas H., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Packing spacer. 2,238,166; Apr. 15.
Galdos, Alonzo F., Redwood City, Calif. Attachment for revolving firearms. 2,238,587; Apr. 15.
Gallagher, John P., Jersey City, N. J. Reconditionable draft gear. 2,238,220; Apr. 15.
Gardner, Florinda, Los Angeles, Calif. Shirt. 2,238,466; Apr. 15.
Garth, Donald H., Chicago, Ill. Casting machine. 2,238,046; Apr. 15.
Gates, Geoffrey R. G., assignor to Automotive Products Company Limited, London, England. Brake. 2,238,361; Apr. 15.
Gates, Rufus H., Kansas City, Mo. Humidifier for heating plants. 2,238,108; Apr. 15.
Gaugler, Joseph P., Ridgewood, N. J. Device for contrasting chromatic colors. 2,238,316; Apr. 15.
Gaylor, Peter J., Staten Island, N. Y., assignor to Standard Oil Development Company. Insulating oil composition. 2,238,637; Apr. 15.
Geers, John B. (See Colley, A. R., and Geers.)
Geertz, Eric, Aurora, assignor to Cardox Corporation, Chicago, Ill. Fire extinguisher. 2,238,693; Apr. 15.
Geier P. A., Company, The. (See Kasper, Elmer J., assignor.)
Geiser, Nikolaus. (See Clar, C., Geiser, and Kubinel.)
Geissler, Hugo V., San Antonio, Tex. Necktie stay. 2,238,047; Apr. 15.
Genco Mfg. Co. (See Gensburg, Louis W., assignor.)
General Aniline & Film Corporation. (See Bauer, W., and Bollweg, assignors.)
General Aniline & Film Corporation. (See Dersch, F., and Heimbach, assignors.)
General Aniline & Film Corporation. (See Eckert, W., Schilling, and Hofmann, assignors.)
General Aniline & Film Corporation. (See Keyssner, E., and Eichler, assignors.)
General Aniline & Film Corporation. (See Riester, O., and Wilmanns, assignors.)
General Atlas Carbon Company. (See Heller, G. L., and Snow, assignors.)
General Electric Company. (See Alexay, Adalbert, assignor.)
General Electric Company. (See Boersch, Hans, assignor.)
General Electric Company. (See Chambers, Dudley E., assignor.)
General Electric Company. (See Crever, Frederick E., assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See Fletcher, James L., assignor.)
General Electric Company. (See Flurscheim, C. H., and Skeats, assignors.)
General Electric Company. (See Flynn, Edward J., assignor.)
General Electric Company. (See Hartwig, F., and Oehling, assignors.)
General Electric Company. (See Kjolseth, Ole K., assignor.)
General Electric Company. (See Lauffer, Hans, assignor.)
General Electric Company. (See Lemmers, E., and Goodwin, assignors.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Reiter, C., and Helwig, assignors.)
General Electric Company. (See Scott, W. J., Anderson and Wells, assignors.)
General Motors Corporation. (See Almen, John O., assignor.)
General Motors Corporation. (See Boegehold, Alfred L., assignor.)
General Motors Corporation. (See Rabezzana, Hector, assignor.)
General Motors Corporation. (See Rabezzana, H., Battey, and Wyatt, assignors.)
General Motors Corporation. (See Schluchter, Alfred W., assignor.)

Genest, Werner, Berlin-Steglitz, Germany. Apparatus for preventing or diminishing sound transmission 2,238,167; Apr. 15.

Gensburg, Louis W., assignor to Geuco Mfg. Co., Chicago, Ill. Step-up ratchet. 2,238,317; Apr. 15.

Gevaert Photo Producten N. V. (See Sano, Karel, assignor.)

Gibson, Inc. (See Abrams, Neil, assignor.)

Gilbert, Alfred G., South Acton, assignor to Reece Folding Machine Company, Cambridge, Mass. Machine and method for folding and fixing fabric blanks. 2,238,048; Apr. 15.

Gillette Safety Razor Company. (See Hanley, John A., assignor.)

Gillon, John W., assignor to Eastman Kodak Company, Rochester, N. Y. Paper holder for use in enlarging. 2,238,049; Apr. 15.

Glassford, Fred, Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Wrapping machine. 2,238,727; Apr. 15.

Gleason, Anthony H., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricant and manufacturing same. 2,238,638; Apr. 15.

Glidden Company, The. (See Julian, P. L., and Engstrom, assignors.)

Globe Hoist Company. (See Thompson, Elmer B., assignor.)

Godowsky, Leopold, Jr. (See Mannes, L. D., and Godowsky, Jr.)

Goebel, Max T. (See Arthur, Paul, Jr., and Goebel.)

Goecke, Rudolph F., Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y. Method of and apparatus for temperature control. 2,238,318; Apr. 15.

Goedike, John G., San Antonio, Tex. Water feed for planographic and analogous presses. 2,238,050; Apr. 15.

Goehler, Elmer E., Portland, Oreg. Hot water heat control. 2,238,362; Apr. 15.

Goldfield, Edwin R., University Heights, assignor to Picker X Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Cable contact. 2,238,319; Apr. 15.

Goodrich, B. F., Company, The. (See Legallion, Charles W., assignor.)

Goodwin, Ethel C. (See Goodwin, Walter E., assignor.)

Goodwin, Raymond W. (See Lemmers, E., and Goodwin.)

Goodwin, Walter E., assignor to E. C. Goodwin, Pittsfield, N. H. Support for outboard motors. 2,238,168; Apr. 15.

Goodyear, Robert G., New York, N. Y. Connector. 2,238,561; Apr. 15.

Gordon, Albert A., 3rd, and A. Palmer, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Clip spot cord retainer. 2,238,520; Apr. 15.

Grand Rapids Brass Company. (See Lickteig, Albert F., assignor.)

Grant, Clifford D. (See Brewster, Charles A., assignor.)

Grant, Leigh S., Grass Valley, Calif. Safety hinge. 2,238,418; Apr. 15.

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,238,664; Apr. 15.

Graves, George T., Bedford, assignor to The Farval Corporation, Cleveland, Ohio. Measuring valve. 2,238,489; Apr. 15.

Gray, Harry Z. (See Mulford, M. R., and Gray.)

Greenslade, Grover R., Scott Township, Allegheny County, assignor to Flannery Bolt Company, Bridgeville, Pa. Stay bolt testing device. 2,238,092; Apr. 15.

Griesinger, William K., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Emulsifiable wax product. 2,238,109; Apr. 15.

Grimson, Samuel H., assignor to Color Research Corporation, New York, N. Y. Color photography. 2,238,221; Apr. 15.

Grothe, Walter. (See Starr, O. L., Grothe, and Eberhard.)

Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Hydraulic system for machine tools and the like. 2,238,110; Apr. 15.

Guler, George D., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,238,688; Apr. 15.

Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,238,639; Apr. 15.

Gustafson, Gustaf, Yakima, Wash. Spray gun. 2,238,521; Apr. 15.

Gypsum, Lime and Alabastine, Canada, Limited. (See Weeks, K. R., and Armstrong, assignors.)

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Apparatus for and method of forming cushion construction. 2,238,773; Apr. 15.

Hackley, Roy C., Oakland, Calif. Concrete placer. 2,238,051; Apr. 15.

Hadley, Harlan A., St. Johnsbury, Vt., assignor, by mesne assignments, to Fairbanks, Morse & Company, Chicago, Ill. Electrical impulse weight recorder. 2,238,363; Apr. 15.

Hadley, Newton F., Birmingham, and G. J. Huebner, Jr., Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Light for motor vehicles. 2,238,728; Apr. 15.

Hagen, Wolfgang, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Amplifying device. 2,238,259; Apr. 15.

Hagen, Wolfgang, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Electric filter arrangement. 2,238,260; Apr. 15.

Hagopian, Charles H., New York, N. Y. Soap spray. 2,238,588; Apr. 15.

Hahnemann, Walter M., Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Radio beacon system. 2,238,261; Apr. 15.

Hain, James C., Los Angeles, Calif. Prefabricated building construction. 2,238,111; Apr. 15.

Haines, John E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,238,431; Apr. 15.

Hall, Edward S., Seattle, Wash. Safety cabinet for currency. 2,238,112; Apr. 15.

Hall, Joseph M., Chicago, Ill. Distributor head for dehydrators. 2,238,364; Apr. 15.

Hall, Norman G., and G. L. Parrish, Port Angeles, Wash., assignors of one-fourth to D. L. Hope, Cut Bank, Mont. Pump structure. 2,238,809; Apr. 15.

Halleran, Harry, Roselle, N. J., assignor to Simmons Company, New York, N. Y. Studio couch. 2,238,729; Apr. 15.

Hallman, Harold E., Catonsville, Md. Apparatus for applying adhesive to wax coated paper. 2,238,695; Apr. 15.

Ham, Garnet P. (See Barnes, R. B., Ham, and Moore.)

Hanawalt, Joseph D., and C. E. Nelson, assignors to The Dow Chemical Company, Midland, Mich. Charging a high-temperature vacuum furnace. 2,238,792; Apr. 15.

Hanawalt, Joseph D., C. E. Nelson, and J. S. Peake, assignors to The Dow Chemical Company, Midland, Mich. High-temperature electric furnace. 2,238,793; Apr. 15.

Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric material. 2,238,640; Apr. 15.

Hanley, John A., Noroton, Conn., assignor to Gillette Safety Razor Company, Boston, Mass. Vibratory motor. 2,238,641; Apr. 15.

Hanley, John A., Noroton, Conn., assignor to Gillette Safety Razor Company, Boston, Mass. Multivoltage motor driven tool. 2,238,696; Apr. 15.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Multiplex facsimile system. 2,238,052; Apr. 15.

Happe, William H., Jr., Brooklyn, N. Y., and A. K. Wing, Chatham, N. J., assignors to Radio Corporation of America. Ultra short wave apparatus. 2,238,262; Apr. 15.

Hardman, Albert F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing secondary amines. 2,238,320; Apr. 15.

Harris, Ernest B., Amarillo, Tex. Rug fastener. 2,238,522; Apr. 15.

Harris-Seybold-Potter Company. (See Wood, William H., assignor.)

Harshaw Chemical Company, The. (See Lind, R., Harshaw and Long, assignors.)

Harshaw, William J. (See Lind, R., Harshaw and Long.)

Hart, George T., Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Joining parts. 2,238,053; Apr. 15.

Hart, George T., Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Attaching heels by welding. 2,238,054; Apr. 15.

Hartanov, Andrew S. (See Williams, B. E., and Hartanov.)

Hartanov, Andrew S., assignor to Industrial Patents Corporation, Chicago, Ill. Carcass spreader. 2,238,321; Apr. 15.

Hartford Empire Company. (See Berthold, W. K., and Ingle, assignors.)

Hartford Empire Company. (See Dorsey, Francis E., assignor.)

Hartford-Empire Company. (See Mueller, Donald W., assignor.)

Hartmann, Carl W., Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland. Mechanism for closing carton ends. 2,238,388; Apr. 15.

Hartmann, Otto, Kassel-Wilhelmshohe, Germany. Generation of high pressure steam with low salt content. 2,238,562; Apr. 15.

Hartwig, Fritz, Berlin-Oberschoneweide, and O. Oehling, Berlin-Friedenau, Germany, assignors to General Electric Company. Remote control device. 2,238,467; Apr. 15.

Hartzell, Hugh H. (See Seaton, M. Y., and Hartzell.)

Hasche, Rudolph L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Treatment of gas mixtures containing acetylene. 2,238,490; Apr. 15.

Hass, Walter, Klein-Machnow, near Berlin, assignor to Bernhard Berghaus, Berlin-Lankwitz, Germany. Electric spot welding. 2,238,419; Apr. 15.

Hatch, Walter E. (See Rollins, J. H., and Hatch.)

Hauffe, Otto, Ellenburg, Germany, assignor, by mesne assignments, to Walther H. Dulsberg, New York, N. Y. Manufacture of sheets or films of artificial material. 2,238,730; Apr. 15.

Hauserman, E. F., Company, The. (See Foskett, Maynard L., assignor.)

Hawley, Don M. (See Bauer, Hans F., J. V., and Hawley.)

Hayden, Harold J., St. Albans, assignor to Empire Corrugated Container Corp., Brooklyn, N. Y. Mailing folder. 2,238,468; Apr. 15.

Haynes, Herbert H., Clarksburg, W. Va. Ambulatory splint. 2,238,869; Apr. 15.

Haynes, Herbert H., Clarksburg, W. Va. Ambulatory splint. 2,238,870; Apr. 15.

Haynsworth, John T., Jr., and W. E. Johnson, Inverness, Fla. Selector mechanism. 2,238,113; Apr. 15.

Heald Machine Company, The. (See Guild, Waldo J., assignor.)

Heimbach, Newton. (See Dersch, F., and Heimbach.)

Heinish, George, assignor to The Star Drilling Machine Company, Akron, Ohio. Governor control for power plants. 2,238,794; Apr. 15.

Heller, George L., and Carl W. Snow, Pampa, Tex., assignor to General Atlas Carbon Company, Dover, Del. Carbonaceous pigment and manufacture. 2,238,576; Apr. 15.

Helmert, Robert, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Intercommunication system. 2,238,263; Apr. 15.

Helwig, Hans-Joachim. (See Reiter, C., and Helwig.)

Henricksen, Henry D. (See Packard, M. A., and Henricksen.)

Hensler, Frederick J., Concord, N. Y. Neon tube connector. 2,238,589; Apr. 15.

Hercules Powder Company. (See Bishop, William T., assignor.)

Hercules Powder Company. (See Fravel, William H. F., assignor.)

Hercules Powder Company. (See Ott, Emil, assignor.)

Herriger, Felix, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electron tube. 2,238,264; Apr. 15.

Heyn, Herman B., and F. G. Boschke, Pasadena, Calif., assignors to Johns-Manville Corporation, New York, N. Y. Pipe connection. 2,238,109; Apr. 15.

Hicks, Howard M., McKeesport, Pa., assignor to National Tube Company. End protector. 2,238,642; Apr. 15.

Hicks, Howard M., McKeesport, Pa., assignor to National Tube Company. End protector. 2,238,643; Apr. 15.

Hinde & Bauch Paper Company, The. (See Gagen, Thomas H., assignor.)

Hinsky, Anthony F., assignor to Pyro Products Corporation, Brooklyn, N. Y. Wire and strand saturating tank. 2,238,697; Apr. 15.

Hi-Way Service Corporation. (See Kerber, Joseph H., assignor.)

Hloch, Albert, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Coloring cement articles. 2,238,858; Apr. 15.

Hodaly, Emerick, Detroit, Mich. Baby carriage. 2,238,322; Apr. 15.

Hodges, Pelleren, East Bridgford, assignor to Standard Machine Patents Co., Nottingham, England. Motion transmitting means. 2,238,644; Apr. 15.

Hofmann, Fritz. (See Hollerung, W., and Hofmann.)

Hofmann, Paul. (See Eckert, W., Schilling, and Hofmann.)

Holden, Harold C., Fairfield, Conn., assignor to Radio Corporation of America. Portable talking motion picture apparatus. 2,238,114; Apr. 15.

Holden, William H. T., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,238,469; Apr. 15.

Hollerung, Wilhelm, and F. Hofmann, assignors to Kulmbach Spinnerei, Kulmbach, Germany. Curding device. 2,238,055; Apr. 15.

Hollingsworth, Julian R., Brawley, Calif. Device for facilitating the administration of subcutaneous hypodermic injections. 2,238,323; Apr. 15.

Holst, Svend A., New York, N. Y., assignor, by mesne assignments, to The American Steel and Wire Company of New Jersey. Highway guard. 2,238,523; Apr. 15.

Hope, David L. (See Hall, N. G., and Parrish, assignors.)

Hopkes, Henry, Grosse Pointe, assignor to No-Sag Spring Company, Detroit, Mich. Adjustable spring cushion. 2,238,774; Apr. 15.

Hopkins, Horner H., Des Moines, Iowa. Holder for knives or the like. 2,238,324; Apr. 15.

Horesi, Anthony C., Downers Grove, A. H. Flint, Chicago, and L. C. Swallen, Pekin, Ill., assignors, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Precipitation of zein by spraying. 2,238,590; Apr. 15.

Horesi, Anthony C., Downers Grove, A. H. Flint, Chicago, and L. C. Swallen, Pekin, Ill., assignors, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Precipitating zein from its solution. 2,238,591; Apr. 15.

Horn, Erhard, Leipzig, Germany. Artificial horizon. 2,238,645; Apr. 15.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Can closing machine. 2,238,056; Apr. 15.

Houston, John V. (See Huber, A. F., and Houston.)

Houtman, Josephus R. (See Schoonderwoerd, J. G., and Houtman.)

Howsam, Hilyard C., assignor to Hubbard Spool Company, Chicago, Ill. Spool. 2,238,731; Apr. 15.

Hoya, Roy M. (See Rybeck, A. W., and Hoya.)

Hubbard Spool Company. (See Howsam, Hilyard C., assignor.)

Huber, Albert F., and J. V. Houston, Chicago, Ill., assignors to The American Brake Shoe and Foundry Company, New York, N. Y. Track device for lubricating wheel flanges. 2,238,732; Apr. 15.

Hudson, David W., Green Bay, Wis. Tire chain tool. 2,238,325; Apr. 15.

Huebner, George J., Jr. (See Hadley, N. F., and Huebner.)

Hullegård, Erik W., Stockholm, Sweden, assignor, by mesne assignments, to Radio Corporation of America. Recording and reproducing sound. 2,238,733; Apr. 15.

Hullegård, Erik W., Stockholm, Sweden, assignor, by mesne assignments, to Radio Corporation of America. Recording and reproducing sound. 2,238,734; Apr. 15.

Hullegård, Erik W., Stockholm, Sweden, assignor, by mesne assignments to Radio Corporation of America. Recording and reproducing sound. 2,238,735; Apr. 15.

Humbert, Jacob Z., North Canton, Ohio. Lid sealer. 2,238,775; Apr. 15.

Humphreys, Charlcie. (See Humphreys, Lynn and C.)

Humphreys, Lynn and C., Knoxville, Tenn. Automatic skin clip inserter. 2,238,736; Apr. 15.

Hunt, C. Howard, Pen Co. (See Jones, Hubert C., assignor.)

Hunter, William A., assignor to Chrysler Corporation, Highland Park, Mich. Propeller shaft mounting. 2,238,737; Apr. 15.

Hunziker, Franz, Lucerne, Switzerland. Rope railway. 2,238,265; Apr. 15.

Hurd, Harold R., Independence, Mo. Composition for coating metal being formed. 2,238,738; Apr. 15.

Hurlbut, Newell G., Joplin, Mo. Support. 2,238,524; Apr. 15.

Hurley, Albert B., Huntington, N. Y. Light-reflecting and sound-transmitting screen. 2,238,365; Apr. 15.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,238,491; Apr. 15.

Hutto, Christian A., West Columbia, S. C. Starting mechanism for lapping machines. 2,238,525; Apr. 15.

Hydrocarbons Research Co. (See Chatterton, Rollin M., assignor.)

Hydrocarbon Synthesis Corporation. (See Alberts, Leonhard, assignor.)

Hydrocarbon Synthesis Corporation. (See Feisst, W., Neweling and Roelen, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Hloch, Albert, assignor.)

Iavelli, Teno. (See Neracher, C. A., Dunn, Syrovy, and Iavelli.)

Imus, Henry A. (See Ames, A., Jr., and Imus.)

Independent Lock Company. (See Falk, William, assignor.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Honing device. 2,238,326; Apr. 15.

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,238,646; Apr. 15.

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,238,859; Apr. 15.

Industrial Patents Corporation. (See Bierek, Joseph W., assignor.)

Industrial Patents Corporation. (See Hartanov, Andrew S., assignor.)

Industrial Patents Corporation. (See Williams, B. E., and Hartanov, assignors.)

Ingersoll Milling Machine Company, The. (See Kraus, Charles E., assignor.)

Ingersoll Milling Machine Company, The. (See Oberhoffken, Alexander, assignor.)

Ingle, Henry W. (See Berthold, W. K., and Ingle.)

Interchemical Corporation. (See Cassel, Norman S., assignor.)

International De Lavaud Manufacturing Corporation, Limited. (See Faber, F., and Ostermann, assignors.)

International Engineering Corporation. (See Wells, F. H., and Brace, assignors.)

International Filter Company. (See Hughes, Walter J., assignor.)

International Standard Electric Corporation. (See Busignies, H. G., and Bour, assignors.)

International Standard Electric Corporation. (See Kozma, Ladislas, assignor.)

International Standard Electric Corporation. (See Perroux, Georges E. M., assignor.)

International Standard Electric Corporation. (See Stansfield, Richard, assignor.)

International Standard Electric Corporation. (See Terman, Frederick E., assignor.)

Ivandick, Mathew G., Belvidere, assignor to Borg-Warner Corporation, Chicago, Ill. Constant velocity universal joint. 2,238,647; Apr. 15.

Jabelmann, Otto, and L. K. Botteron, Omaha, Nebr. Smoke box for steam locomotives. 2,238,057; Apr. 15.

Jackson, Frank W., and H. M. Nacey, Chicago, Ill. Signal or controlling device. 2,238,327; Apr. 15.

Jacobs, F. L., Company. (See Westrope, Fred J., assignor.)

Jacobson, Ralph A. (See Dykstra, H. B., and Jacobson.)

Jacobson, Wilgot J., Scotch Plains, and S. R. Oldham, Elizabeth, N. J., assignors to Oxweld Acetylene Company. Blowpipe. 2,238,470; Apr. 15.

Jacques, Anna J. (See Jacques, William H., assignor.)
Jacques, William H., assignor to Anna J., Jacques, Chicago, Ill. Embalming instrument. 2,238,563; Apr. 15.
Jamestown Metal Equipment Company. (See Kastberg, Nils, assignor.)
Jarvis, Kenneth W., Norwalk, Conn., assignor to Radio Corporation of America. Tuning mechanism. 2,238,739; Apr. 15.
Jaxheimer, William H. (See Drum, H. S., Dodson, and Jaxheimer.)
Jenkins, Wayne E. (See Vaughn, S. P., and Jenkins.)
Jensen, Jens E., assignor of one-half to A. L. Saeck, Waupaca, Wis. Oil cooler. 2,238,170; Apr. 15.
Johanson, John E., assignor to Aircraft Radio Corporation, Boonton, N. J. Inductance. 2,238,420; Apr. 15.
Johns-Manville Corporation. (See Heyn, H. B., and Boschke, assignors.)
Johnson, Carl M., Goodman, Wis. Door latching mechanism. 2,238,266; Apr. 15.
Johnson, Charles R., Glenn Mills, Pa., and R. C. Pierce, Niles, Mich., assignors of one-half to E. I. du Pont de Nemours and Company, Wilmington, Del., and one-half to National Standard Company, Niles, Mich. Expansible cover. 2,238,058; Apr. 15.
Johnson, Everhard L., assignor of one third to H. J. Schoenfeld, Patchogue, N. Y. Flashlight operating device. 2,238,115; Apr. 15.
Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener member. 2,238,848; Apr. 15.
Johnson, George T., and H. H. Wolfe, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Draft attachment for railway cars. 2,238,171; Apr. 15.
Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Chuckless turning machine. 2,238,328; Apr. 15.
Johnson-March Corporation, The. (See Kleinicke, Werner E., assignor.)
Johnson, William E. (See Haynsworth, J. T., Jr., and Johnson.)
Jones, Hubert C., Springfield, Mo., assignor to C. Howard Hunt Pen Co., Camden, N. J. Tool for incising linoleum. 2,238,222; Apr. 15.
Jones, William S., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Obtainment of vitaminous oils. 2,238,060; Apr. 15.
Jovanovitz, Rudolf, St. Bernard, Ohio. Hot air furnace. 2,238,172; Apr. 15.
Joy, Carrie. (See McIver, J. K., and Joy.)
Julian, Percy L., Oak Park, and A. G. Engstrom, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Production of a derived vegetable protein. 2,238,329; Apr. 15.
Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)
Kalckhoff, Gerhard. (See von Werthen, W., and Kalckhoff.)
Kalep, Georg. (See Melzer, E., Siegmund, and Kalep.)
Kalle & Co. Aktiengesellschaft. (See Neugebauer, Wilhelm, assignor.)
Kallio, Henry, Akron, Ohio. Window. 2,238,648; Apr. 15.
Kasper, Elmer J., Willowick, assignor to The P. A. Geier Company, Cleveland, Ohio. Handle switch and conductor construction. 2,238,173; Apr. 15.
Kastberg, Nils, Ramlosa, Sweden, assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Washing apparatus for dishes, silverware, and the like. 2,238,849; Apr. 15.
Katz, David, Wilmington, Del. Lecture and projection desk. 2,238,267; Apr. 15.
Katzner, Fred E., Forest Hills, N. Y., assignor to The Comfy Manufacturing Co., Baltimore, Md. Cover for dining room chairs. 2,238,795; Apr. 15.
Kautter, Wolfgang, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin Tempelhof, Lorenzweg, Germany. Reflecting antenna for radio beacons. 2,238,268; Apr. 15.
Keenen, Frank G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibition of corrosion. 2,238,851; Apr. 15.
Kelly, Dunford A., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Method and apparatus for producing constant amplitude motion. 2,238,116; Apr. 15.
Kelly, James M., Trafford, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Copper base alloy. 2,238,562; Apr. 15.
Kelm, Everett F., assignor to Corning Glass Works, Corning, N. Y. Glass distilling head. 2,238,174; Apr. 15.
Kemp, Lebbeus C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Manufacture of motor fuel. 2,238,860; Apr. 15.
Kendechy, Andrew, Cleveland, Ohio. Wallpaper remover. 2,238,175; Apr. 15.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure feed and rapid traverse system of transmission of power. 2,238,060; Apr. 15.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure system and control therefor. 2,238,061; Apr. 15.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Variable capacity pump and control therefor. 2,238,062; Apr. 15.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure system and valve mechanism therefor. 2,238,063; Apr. 15.
Kenyon, Theodore W. (See Zand, S. J., and Kenyon.)
Kepote, Manuel, et al. (See Vestrem, Ivan H., assignor.)
Kerber, Joseph H., assignor to Ill-Way Service Corporation, Milwaukee, Wis. Truck grader. 2,238,389; Apr. 15.
Keyssner, Ernst, and E. Eichler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of dihydric alcohols of the acetylene series. 2,238,471; Apr. 15.
Kichline, Stewart, Allentown, Pa. Furnace. 2,238,526; Apr. 15.
Kilstrom, Teofil, Bridgeport, Conn. Wheeled chair. 2,238,445; Apr. 15.
Kinney Manufacturing Company. (See Bowering, Henry G., assignor.)
Kirsch Company. (See Richardson, Fred W., assignor.)
Kirshner, Arthur C., assignor to The National Cash Register Company, Dayton, Ohio. Merchandise ticket printer. 2,238,527; Apr. 15.
Kishline, Floyd F., Toledo, assignor, by mesne assignments, to Reconstruction Finance Corporation, Cleveland, Ohio. Drive connection. 2,238,649; Apr. 15.
Kisner, Howard A., Fairmont, W. Va. Cream separator. 2,238,650; Apr. 15.
Kitchens, Joseph D., Fort Worth, Tex. Burglarproof latch. 2,238,812; Apr. 15.
Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Railway truck. 2,238,593; Apr. 15.
Kleinicke, Werner E., Coalwood, W. Va., assignor to The Johnson-March Corporation, New York, N. Y. Composition of matter. 2,238,776; Apr. 15.
Kleinman, Jacob L., New York, N. Y. Razor. 2,238,813; Apr. 15.
Knapp, Leslie E. (See Maxim, H. H., and Knapp.)
Knapp-Monarch Company. (See Collins, Harry L., assignor.)
Knapp-Monarch Company. (See Knopp, Rudolph, assignor.)
Knapp-Monarch Company. (See Smith, Howard A., assignor.)
Knaus, Nicholaus, Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Overedge sewing machine. 2,238,796; Apr. 15.
Knaus, Nicholaus, Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating system for sewing machines. 2,238,797; Apr. 15.
Knaust, Henry R., assignor to Vita Sales Corporation, St. Louis, Mo. Waffle machine. 2,238,698; Apr. 15.
Kneuss, Strickland, Jr., assignor to Morgan Construction Company, Worcester, Mass. Valve. 2,238,814; Apr. 15.
Knopp, Rudolph, assignor to Knapp-Monarch Company, St. Louis, Mo. Dry shaver. 2,238,390; Apr. 15.
Knudsen, Leif, Trondheim, Norway. Trouser hanger. 2,238,528; Apr. 15.
Koch, Lydia B., New York, and I. F. Mandell, New Rochelle, N. Y., said Mandell assignor to said Koch. Expansible spinner mechanism. 2,238,330; Apr. 15.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Ultra high frequency modulator. 2,238,117; Apr. 15.
Koerner, Walter E., East Orange, A. F. Bahlke, Scotch Plains, and S. F. Marvin, Ridgewood, assignors to Utility Electric Corporation, East Newark, N. J. Light-diffusing body and producing same. 2,238,472; Apr. 15.
Koppers Company. (See Willeke, Bruno, assignor.)
Koschmieder, Kurt, Falkensee, Ost-Havelland, assignor to C. Lorenz Aktiengesellschaft, Berlin Tempelhof, Germany. Radio direction finder or emitter. 2,238,269; Apr. 15.
Kozma, Ladislas, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Automatic hunting circuit. 2,238,223; Apr. 15.
Kramar, Ernst, and H. Nass, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin Tempelhof, Germany. Radio direction finding system. 2,238,270; Apr. 15.
Krauer, Karl. (See Moergeli, E., Krauer, and Bommer.)
Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Cutter grinding method. 2,238,064; Apr. 15.
Kretzschmar, George W., Ridgewood, N. J. Shuttle box and binder therefor. 2,238,271; Apr. 15.
Krone, Howard C. (See Meyer, W., and Krone.)
Krucoff, Darwin, Washington, D. C. Process and apparatus for production of anhydrous halides and fusible silicates. 2,238,421; Apr. 15.
Kübler, Hans W., Berlin, Germany. Calculating instrument. 2,238,529; Apr. 15.
Kuettel, Glen M., Bloomfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Opacification of resins. 2,238,446; Apr. 15.
Kuhn, Richard, and F. Weygand, Heidelberg, Germany, and A. H. Cook, London, England, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Isoalloxazines and manufacture thereof. 2,238,874; Apr. 15.
Kuhnel, Paul. (See Clar, C., Geiser, and Kuhnel.)
Kulmbacher Spinnerei. (See Hollerung, W., and Hofmann, assignors.)
Ladner, Lawrence A. (See Doughty, L., and Ladner.)
Lagelbauer, Ernest. (See Mohr, J., and Lagelbauer.)

Laing, Gordon F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermocouple switch. 2,238,224; Apr. 15.
Lang, Homer V., Charlotte, N. C. Yarn treating apparatus. 2,238,225; Apr. 15.
Langschienen Gesellschaft m. b. H. (See Vasarhelyi, F., and Tajovsky, assignors.)
Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Adjusting means for telescopes. 2,238,118; Apr. 15.
Langstaff, Clinton A. (See Collins, L. B., and Langstaff.)
Lansing, Horace L., Rutherford, N. J., assignor to Poor & Company, New York, N. Y. Railway rail. 2,238,652; Apr. 15.
Larabee, Albert F., Greensburg, Pa., assignor to Pennsylvania Rubber Company. Ball-covering machine. 2,238,119; Apr. 15.
Lauffer, Hans, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electrodynamic transducer. 2,238,741; Apr. 15.
Launder, Raymond H., Wabash, Ind. Spraying device. 2,238,120; Apr. 15.
Laurent, Milton P., Houston, Tex. Clamp fitting. 2,238,742; Apr. 15.
Lazich, Branko, Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical coil. 2,238,740; Apr. 15.
Leatherman, Martin, Hyattsville, Md. Mildewproofing and mothproofing treatment. 2,238,850; Apr. 15.
Leech, Jacob T., Beaver, assignor to Taylor-Wilson Manufacturing Company, McKees Rock, Pa. Rolling machine. 2,238,121; Apr. 15.
Leggett and Platt Spring Bed and Manufacturing Company. (See Colner, Lloyd O., assignor.)
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Respirator mask. 2,238,492; Apr. 15.
Leimmers, Eugene, Cleveland, and R. W. Goodwin, Cleveland Heights, Ohio, assignors to General Electric Company. Protection of metal vapor lamp bulbs and the like for alkali metal attack. 2,238,777; Apr. 15.
Lenk, Kurt. (See Lenk, Richard, assignor.)
Lenk, Richard, Vienna, Austria, assignor to K. Lenk, Worcester, Mass. Production of ribbed tubes. 2,238,798; Apr. 15.
Levine, Jacob, assignor of one-half to H. Terr, Brooklyn, N. Y. Adjustable cover for flush tanks. 2,238,699; Apr. 15.
Lewis, George R. R., Manchester, England. Manufacture of twisted cords and twisted threads. 2,238,176; Apr. 15.
Lewis, Robert F. (See Brown, G. H., and Lewis.)
Leydecker, Charles P., Webster Groves, Mo. Foot balancing means. 2,238,366; Apr. 15.
Liehty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,238,331; Apr. 15.
Liektelg, Albert F., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Hinge. 2,238,530; Apr. 15.
Lincoln, Bert H. (See Davis, L. L., Lincoln, and Byrkit.)
Lind, Rudolf, Euclid, W. J. Harshaw, Shaker Heights, and K. E. Long, South Euclid, assignors to The Harshaw Chemical Company, Elyria, Ohio. Electrodeposition of metals. 2,238,861; Apr. 15.
Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Magnetically controlled magnetron. 2,238,272; Apr. 15.
Lindgren, Ellis, Geneva, Ill. Interlocking bolt. 2,238,226; Apr. 15.
Line Material Company. (See Schultz, William O., assignor.)
Lingard, Russel S. (See Mather, George C., and Lingard.)
Lintern Corporation, The. (See Lintern, William and W. A., assignors.)
Lintern, William, Cleveland, and W. A. Lintern, Brook Park Village, assignors to The Lintern Corporation, Cleveland, Ohio. Signal light. 2,238,493; Apr. 15.
Lintern, William A. (See Lintern, William and W. A.)
Liptak, Michael, St. Paul, Minn. Furnace wall structure. 2,238,122; Apr. 15.
Lissauer, Adolph W., now by judicial change of name Arthur Wilmer Lissauer, assignor to Louisville Drying Machinery Company, Louisville, Ky. Rotary cooler. 2,238,273; Apr. 15.
Locke, Albert R., Oak Park, Ill., assignor of one-half to Monad Corporation. Electric power transmission and distribution system. 2,238,065; Apr. 15.
Locke, James S., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,238,689; Apr. 15.
Lohse, Julius, Berlin, Germany. Apparatus for the direct recovery from ores of heavy metals of the nonferrous group. 2,238,815; Apr. 15.
Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 2,238,123; Apr. 15.
Long, Kenneth E. (See Lind, R., Harshaw, and Long.)
Lorenz, C., Aktiengesellschaft. (See Hagen, Wolfgang, assignor.)
Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter M., assignor.)
Lorenz, C., Aktiengesellschaft. (See Helmert, Robert, assignor.)
Lorenz, C., Aktiengesellschaft. (See Herriger, Felix, assignor.)
Lorenz, C., Aktiengesellschaft. (See Kautter, Wolfgang, assignor.)
Lorenz, C., Aktiengesellschaft. (See Koschmieder, Kurt, assignor.)
Lorenz, C., Aktiengesellschaft. (See Kramer, E., and Nass, assignors.)
Lorenz, C., Aktiengesellschaft. (See Müller, Ernst, assignor.)
Lorenz, C., Aktiengesellschaft. (See Wehrlin, Hans, assignor.)
Louisville Drying Machinery Company. (See Lissauer, Adolph W., assignor.)
Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorber. 2,238,227; Apr. 15.
Lundvall, John S., assignor to Union Asbestos Company, Chicago, Ill. Convertible bulkhead for refrigerator cars. 2,238,700; Apr. 15.
Lustig, Egon, Prague, Czechoslovakia, assignor to A. J. Rosenstein, Avon, Conn. Slide fastener. 2,238,653; Apr. 15.
Lykken, Henry G., Minneapolis, Minn. Bowl mill. 2,238,743; Apr. 15.
Lyman, Glenn L., Cedar Rapids, Iowa. Multiple march folio. 2,238,332; Apr. 15.
Lyness, Horatio S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Strap sandal and insole therefor. 2,238,274; Apr. 15.
MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Universal joint. 2,238,335; Apr. 15.
MacKay Radio and Telegraph Company. (See Alford, Andrew, assignor.)
MacPhail, Arthur A., assignor to The Dow Chemical Company, Midland, Mich. Rotating hearth electric furnace. 2,238,799; Apr. 15.
Macy, William G., assignor to American Foundry & Furnace Company, Bloomington, Ill. Humidifier. 2,238,564; Apr. 15.
Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)
Maguln, Margarita M., New York, N. Y. Ring cutter. 2,238,494; Apr. 16.
Maier, August R., Dallas, Tex., assignor to Oil Well Supply Company. Swivel. 2,238,654; Apr. 15.
Maiuiere, Nicholas R., New York, N. Y. Ash tray. 2,238,473; Apr. 15.
Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass. Treatment of steel. 2,238,778; Apr. 15.
Malishev, Boris, Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic treatment of hydrocarbons. 2,238,594; Apr. 15.
Malmquist, Nils G. A., Malmo, Sweden. Resilient shaft coupling. 2,238,531; Apr. 15.
Mandell, Irving F. (See Koch, L. B., and Mandell.)
Manly Corporation. (See Kendrick, Charles M., assignor.)
Mannes, Leopold D., New York, N. Y., and L. Godowsky, Jr., Westport, Conn., assignors to Eastman Kodak Company, Rochester, N. Y. Method of color photography. 2,238,495; Apr. 15.
Manson, Frank G., Dayton, Ohio. Aerial trailer. 2,238,875; Apr. 15.
Manson, Frank G., Dayton, Ohio. Aerial trailer. 2,238,876; Apr. 15.
Mantz, Aloysius F., Los Angeles, Calif. Door lock. 2,238,066; Apr. 15.
Marchi, Victor W., assignor to Exploitatie Maatschappij Marcin & Co. N. V., Amsterdam, Netherlands. Glare-proof blind made of paper or similar material. 2,238,422; April 15.
Marks, Charles E., Jr., and J. M. Davidson, Yonkers, N. Y. Changeable sign. 2,238,177; Apr. 15.
Marshall, C. & E., Company. (See Campbell, Milton C., assignor.)
Martin, Joseph A. (See Weintraub, S., and Martin.)
Martone, Thomas A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flushing water wet pigments in oil. 2,238,275; Apr. 15.
Marvin, Stuart F. (See Koerner, W. E., Bahlke, and Marvin.)
Masters, George E., Miami, Fla. Radio tuning system and device. 2,238,391; Apr. 15.
Mather, George C., Oak Park, and R. S. Lingard, Chicago, Ill., assignors to Babson Bros. Co. Fly control method and apparatus. 2,238,872; Apr. 15.
Mathieson, Andrew C., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,238,124; Apr. 15.
Matush, Milan A., assignor to Ampco Metal, Inc., Milwaukee, Wis. Bronze welding electrode. 2,238,392; Apr. 15.
Mavros, George, et al. (See Vestrem, Ivan H., assignor.)
Maxim, Hiram H., Hartford, and L. E. Knapp, Griswoldville, assignors to The Maxim Silencer Company, Hartford, Conn. Silencer. 2,238,816; Apr. 15.
Maxim Silencer Company, The. (See Maxim, H. H., and Knapp, assignors.)
McAdams, Clyde W., Tampa, Fla. Conveyer. 2,238,655; Apr. 15.
McBride, Lawrence O. (See Miller, John W., assignor.)
McCain, William G., Medford, Mass. Carburetor. 2,238,333; Apr. 15.
McCarthy, Charles M., Minneapolis, Minn. Rope winding and measuring machine. 2,238,067; Apr. 15.

McCarthy, Charles S., Toledo, Ohio, assignor to The Bingham Stamping Company. Mechanism control. 2,238,334; Apr. 15.

McClense, Ervin H., Bakersfield, Calif. Tubing attached reinforcing trapping strainer. 2,238,533; Apr. 15.

McClelland, Arthur H. (See Schuler, J. E., and McClelland.)

McCollum, Burton, Houston, Tex., assignor to McCollum Laboratories, Inc. Recovering oil from oil and gas bearing sands. 2,238,701; Apr. 15.

McCollum Laboratories Incorporated. (See McCollum, Burton, assignor.)

McCoy, Thomas A., Oakland, Calif., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Can tapping tool. 2,238,178; Apr. 15.

McCrum, Frank C. (See Dickinson, C. C., and Stowell, assignors.)

McCumber, Simeon L., and F. Buck, Dinero, Tex. Tubing rack. 2,238,423; Apr. 15.

McDonald, Angus, assignor to Baldwin Rubber Company, Pontiac, Mich. Method and apparatus for manufacturing contoured sheets from vulcanizable material. 2,238,534; Apr. 15.

McDonald, George E., assignor to E. H. Edwards Company, San Francisco, Calif. Apparatus for simultaneously closing core wires and rope strands into a finished rope. 2,238,496; Apr. 15.

McIntosh, Robert E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Adjustable engine mount. 2,238,179; Apr. 15.

McIntosh, Roy E., assignor to Star Expansion Bolt Company, New York, N. Y. Making and assembling expansion shields. 2,238,702; Apr. 15.

McIver, John K., and C. Joy, Baltimore, Md. Game. 2,238,703; Apr. 15.

McKinney, Leonard L. (See Brother, G. H., and McKinney.)

McNall, John W., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oxide coated cathode. 2,238,595; Apr. 15.

McNally, James G. (See Dickey, J. B., and McNally.)

McNamee, Raymond W., South Charleston, and C. M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Making olefin oxides. 2,238,474; Apr. 15.

McQuade, Robert J., Chicago, Ill. Hydraulic motor. 2,238,424; Apr. 15.

Melhose, Alfred E. (See Barney, H. L., Berger and Melhose.)

Melzer, Ernst, Berlin-Lichterfelde, H. Siegmund, Herford in Westphalia, and G. Kalep, Berlin-Lichterfelde, Germany. Device for automatic leveling up of pieces of material. 2,238,656; Apr. 15.

Merriman, William E., assignor to Eastman Kodak Company, Rochester, N. Y. Sound camera. 2,238,49[illegible] Apr. 15.

Metal Snow Fence Company. (See Fredrickson, Chris, assignor.)

Metals & Controls Corporation. (See Chace, Paul G., assignor.)

Meyer, Andre J., Lexington, Ky., assignor, by mesne assignments, to Continental Aviation and Engineering Corporation. Engine. 2,238,276; Apr. 15.

Meyer, William, East Orange, and H. C. Krone, Weehawken, assignors to A. W. Wheaton Brass Works, Inc., Newark, N. J. Swivel pipe joint and packing means therefor. 2,238,535; Apr. 15.

Miami Copper Company. (See Curtis, Charles H., assignor.)

Michelman, Joseph, assignor to The Selby Shoe Company, Portsmouth, Ohio. Protective covering for shoes. 2,238,536; Apr. 15.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Focusing lens mount for cameras. 2,238,498; Apr. 15.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Shutter tripping device. 2,238,499; Apr. 15.

Mihalyi, Joseph, assignor to Eastman Kodak Co., Rochester, N. Y. Shutter spring for sliding shutters. 2,238,500; Apr. 15.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Automatic exposure mechanism for shutters. 2,238,501; Apr. 15.

Miller, A. E. (See Allgeyer, Leo, assignor.)

Miller, Harold S., Quincy, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Shoe stiffener. 2,238,337; Apr. 15.

Miller, John H., Baltimore, Md. Crumb scraper. 2,238,745; Apr. 15.

Miller, John W., assignor of one-half to Lawrence O. McBride, Sturgis, Mich. Window operating mechanism. 2,238,537; Apr. 15.

Miller, Maurice, Latham, N. Y. Combination tube closure and electrode for neon tubes. 2,238,277; Apr. 15.

Miller, Mike A., Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Solder flux. 2,238,068; Apr. 15.

Miller, Mike A., Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Solder flux. 2,238,069; Apr. 15.

Miller, Paul V., assignor to Taft-Peirce Manufacturing Company, Woonsocket, R. I. Surface grinding machine. 2,238,704; Apr. 15.

Miller, Robert E., Bronxville, N. Y. Furniture leg shoe. 2,238,705; Apr. 15.

Miller, S. Eugene. (See Peaks, Vernon J., assignor.)

Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)

Miner, W. H., Inc. (See Olander, Roland J., assignor.)

Minerals Separation North American Corporation. (See Tucker, Stanley, assignor.)

Minetti, Wilfrid T. (See Rivington, A. A., and Minetti.)

Minneapolis-Honeywell Regulator Company. (See Fineran, Edward V., assignor.)

Minneapolis-Honeywell Regulator Company. (See Guler, George D., assignor.)

Minneapolis-Honeywell Regulator Company. (See Haines, John E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Laing, Gordon F., assignor.)

Minneapolis-Honeywell Regulator Company. (See Locke, James S., assignor.)

Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)

Minshall, Robert J. (See Soderquist, A. A., and Minshall.)

Mitchell, Frank A., London, assignor to Electrical & Musical Industries Limited, Middlesex, England. Tuning device for radio receivers. 2,238,475; Apr. 15.

Modern Curtain Co. Inc. (See Farley, John J., assignor.)

Moergeli, Eduard, Neue Welt, near Basel, K. Krauer, Basel and M. Bommer, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Intramolecular dehydrogenation of aromatic ring systems. 2,238,180; Apr. 15.

Mohr, John, and E. Lugelbauer, New York, N. Y. Treating waste material. 2,238,367; Apr. 15.

Moir, Harry W., Seattle, Wash. Mineral jig. 2,238,338; Apr. 15.

Monad Corporation. (See Locke, Albert R., assignor.)

Monteith, Hugh L., Stirling, N. J. Releasing and diffusing fragrant odors to the atmosphere. 2,238,476; Apr. 15.

Moore Brothers Company. (See Peters, Martin J., assignor.)

Moore, Leonard P. (See Barnes, R. B., Ham and Moore.)

Moore, Raymond G. (See Morgan, E. B., and Moore.)

Morgan Construction Company. (See Knoass, Strickland, Jr., assignor.)

Morgan, David H., assignor to Truscon Steel Company, Youngstown, Ohio. Bifold door. 2,238,181; Apr. 15.

Morgan, Erving B., Grand Rapids, and R. G. Moore, Grosse Point Farms, assignors to American Seating Company, Grand Rapids, Mich. Folding chair. 2,238,817; Apr. 15.

Morris, Nathan, Asbury Park, N. J. Kitchen implement. 2,238,425; Apr. 15.

Morris, Thomas C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Condensation derivative of rubber. 2,238,336; Apr. 15.

Morton, Charles R., Maplewood, N. J. Auxiliary air admission device. 2,238,565; Apr. 15.

Mosebach, Karl J., Pittsburgh, Pa. Making nets. 2,238,779; Apr. 15.

Moskovics, Frederick E., Greenwich, Conn., and V. R. Abrams, Maplewood, N. J., assignor to E. I. Andrews, Greenwich, Conn. Shaving device. 2,238,278; Apr. 15.

Mouromtseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ultra-high frequency tube. 2,238,596; Apr. 15.

Mueller, Donald W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of homogenizing molten glass in forehearths or like structures. 2,238,800; Apr. 15.

Mueller, Emil G., assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,238,744; Apr. 15.

Muir, Neil S., and W. C. Clothier, Farnborough, and J. H. Whitaker, Lightcliffe, England. Pumping apparatus. 2,238,502; Apr. 15.

Mulford, Hewett P., & Company. (See Mulford, M. R., and Gray, assignors.)

Mulford, Marion R., and H. Z. Gray, assignors to Hewett P. Mulford & Company, Lebanon, Pa. Plant package. 2,238,818; Apr. 15.

Müller, Ernst, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric indicating device. 2,238,279; Apr. 15.

Mullett, Howard A., assignor to Bradley Washfountain Company, Milwaukee, Wis. Shower apparatus. 2,238,393; Apr. 15.

Munschauer, Frederick E., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Control mechanism for machines. 2,238,538; Apr. 15.

Murber, George E., Fairfax, Calif. Golf rubber overshoe. 2,238,477; Apr. 15.

Murphy, Paul B., South Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Broadcast switching system. 2,238,070; Apr. 15.

Murray Corporation of America. (See Haberstump, Alfred H., assignor.)

Murray, Howard J., New York, N. Y. Torque converting mechanism. 2,238,125; Apr. 15.

Murray, Howard J., Jr., New York, N. Y. Signal system for vehicles. 2,238,394; Apr. 15.

Myers, Isaac A., Monrovia, assignor to Beverly Holdings, Ltd., Los Angeles, Calif. Mop. 2,238,432; Apr. 15.

Myers, Oscar, Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trouble recorder. 2,238,126; Apr. 15.

N. V. Philips Gloeilampenfabrieken. (See Rinia, H., Telegen and Ziegler, assignors.)

Nacey, Harry M. (See Jackson, F. W., and Nacey.)

Napier, George R., East Lansdowne, assignor to The Enterprise Manufacturing Co. of Pa., Philadelphia, Pa. Meat stuffer. 2,238,182; Apr. 15.

National Aviation Research Corporation. (See de Florez, L., and Bach, assignors.)

National Cash Register Company, The. (See Colley, A. R., and Geers, assignors.)

National Cash Register Company, The. (See Kirshner, Arthur C., assignor.)

National Cash Register Company, The. (See Schrimpf, Theodor, assignor.)

National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)

National-Standard Company. (See Johnson, C. R., and Pierce, assignors.)

National Steel Construction Co. (See Elsinga, Dirk, assignor.)

National Tube Company. (See Hicks, Howard M., assignor.)

Nazar, Nicholas, Boston, assignor to Waltham Watch Company, Waltham, Mass. Electric dashboard gauge for automobiles. 2,238,071; Apr. 15.

Nelson, Charles E. (See Hanawalt, J. D., and Nelson.)

Nelson, Charles E. (See Hanawalt, J. D., Nelson, and Peake.)

Nelson, Dale H., Water Mill, and W. D. Buckingham, Southampton, assignors to The Western Union Telegraph Company, New York, N. Y. Method of and means for locating concealed bodies. 2,238,072; Apr. 15.

Nelson, Edgar A., Jr., Silver Spring, Md. Selective control circuit for unit tabulating machines. 2,238,873; Apr. 15.

Neracher, Carl A., W. T. Dunn, A. J. Syrovy, and T. Iavelli, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,238,746; Apr. 15.

Nessell, Clarence W., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,238,433; Apr. 15.

Neugebauer, Wilhelm, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Desizing agent. 2,238,862; Apr. 15.

Nève, Pierre, Sclaigneaux, Belgium. Condensation of zinc vapors. 2,238,819; Apr. 15.

Neweling, Hans. (See Feisst, W., Neweling, and Roelen.)

New England Theatres. (See Bassin, Charles S., assignor.)

New Jersey Machine Corporation. (See Von Hofe, George W., assignor.)

New Jersey Optical Co. (See Durgin, Edgar R., assignor.)

New Monarch Machine & Stamping Co. (See Shelton, Lee A., assignor.)

Newsom, Wendell G. (See Stevason, Orville, assignor.)

New York Air Brake Company. (See Pickert, Lynn L., assignor.)

New York Mattress Company. (See Blake, S., and Woll, assignors.)

New York Central Railroad Company, The. (See Dreyfuss, Henry, assignor.)

Niagara Machine and Tool Works. (See Munschauer, Frederick E., assignor.)

Nieckels, John Harry, Stockholm, Sweden. Remote control apparatus. 2,238,183; Apr. 15.

Nissen, Edward T. (See Scott, E. J., and Nissen.)

Nissen, Laurence F., Dorchester, Mass. Fishing rod support. 2,238,127; Apr. 15.

Nittka, Alfred, Elkton, Mich. Pump. 2,238,395; Apr. 15.

Nivling, Walter A., Newton, Mass. Making soluble starch. 2,238,339; Apr. 15.

Normington, Carl A. (See Timm, J. L., Normington and Stavem.)

Norton Company. (See Indge, Herbert S., assignor.)

Norton Company. (See Van der Pyl, Edward, assignor.)

Norton, James P., Beverly, Mass., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Bearing structure. 2,238,426; Apr. 15.

Norton, Leland D., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Translation device for phonographs. 2,238,863; Apr. 15.

No-Sag Spring Company. (See Hopkes, Henry, assignor.)

Nöthe, Erich, Berlin-Spandau, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Supporting electric conductors in aircraft. 2,238,532; Apr. 15.

Nutting, Arthur, assignor to American Air Filter Company, Inc., Louisville, Ky. Automatic automotive air filter. 2,238,280; Apr. 15.

Nydegger, Roland R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Winding apparatus. 2,238,128; Apr. 15.

Oberhoffken, Alexander, assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Billet scalping machine. 2,238,434; Apr. 15.

Oehling, Otto. (See Hartwig, F., and Oehling.)

Ohls, Robert L., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint. 2,238,706; Apr. 15.

Oil Well Supply Company. (See Maier, August R., assignor.)

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hinged floor rack. 2,238,228; Apr. 15.

Oldham, S. R. (See Jacobsson, W. J., and Oldham.)

Oliki, Nick, Calumet, Minn. Aerator. 2,238,281; Apr. 15.

Olympia Büromaschinenwerke A. G. (See Dieck, Walter, assignor.)

Ornstein, Georg, New York, N. Y. Apparatus for dosing liquids and gases. 2,238,747; Apr. 15.

Ostermann, Christian. (See Faber, F., and Ostermann.)

Oswego Falls Corporation. (See Price, John F., assignor.)

Ott, Emil, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del. Lubricant and making the same. 2,238,478; Apr. 15.

Overbaugh, Sidney C., Belleville, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyvinyl ketals. 2,238,447; Apr. 15.

Owen, Samuel A., and A. B. Stewart, Albuquerque, N. Mex. Cigarette light extinguisher. 2,238,503; Apr. 15.

Owens-Corning Fiberglas Corporation. (See Woods, William J., assignor.)

Oxweld Acetylene Company. (See Jacobsson, W. J., and Oldham, assignors.)

Packard, Mervin A., Bellflower, and H. D. Henricksen, Yreka, Calif. Method and means of recovering metal-liferous values. 2,238,448; Apr. 15.

Page, Alfred C., Detroit, Mich., assignor to Chicago Pump Company, Chicago, Ill. Pumping apparatus. 2,238,597; Apr. 15.

Page, Frank R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Pattern chain control mechanism. 2,238,820; Apr. 15.

Palmer, Albert. (See Gordon, A. A., 3rd, and Palmer.)

Paré, Victor T., Collingswood, N. J., assignor to Radio Corporation of America. Electric switch. 2,238,184; Apr. 15.

Paré, Victor T., Collingswood, N. J., assignor to Radio Corporation of America. Current impulse transformer. 2,238,185; Apr. 15.

Parkersburg Rig & Reel Company, The. (See Norton, James P., assignor.)

Parkin, Winfred T., Cranston, assignor to Theodore W. Foster & Bro., Company, Providence, R. I. Lipstick holder of the propel-repel type. 2,238,368; Apr. 15.

Parks, Paul B., Oak Park, and W. R. Peterson, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostatic vapor regulator. 2,238,369; Apr. 15.

Parrish, Grant L. (See Hall, N. G., and Parrish.)

Patent Button Company, The. (See Purinton, Forrest G., assignor.)

Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes". (See Bertele von Grenadenberg, Hans, assignor.)

Patten, Murray K., Westchester, Ill. Producing display sign material. 2,238,073; Apr. 15.

Patterson, Herbert F., St. Clair, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,238,748; Apr. 15.

Paul, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Directional radio receiver. 2,238,129; Apr. 15.

Paulus, Herman W., St. Albans, assignor to Standard Brands Incorporated, New York, N. Y. Concentrator. 2,238,130; Apr. 15.

Peake, John S. (See Hanawalt, J. D., Nelson, and Peake.)

Peaks, Vernon J., assignor of one-half to S. Eugene Miller, Aurora, Ill. Ribbon inking machine. 2,238,282; Apr. 15.

Pearson, Paul J., Pontiac, Mich. Harpoon gun. 2,238,504; Apr. 15.

Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, New York, N. Y. Shearing means. 2,238,283; Apr. 15.

Pedersen, Florian B., Alameda, Calif. Slicer. 2,238,186; Apr. 15.

Pedigo, Arthur J., Cookeville, Tenn. Refrigerating apparatus. 2,238,074; Apr. 15.

Pedigo, Arthur J., Cookeville, Tenn. Refrigerating apparatus. 2,238,284; Apr. 15.

Peeples, Louis H., Kamay, Tex. Reel. 2,238,657; Apr. 15.

Peerless Kid Company. (See Doughty, L., and Ladner, assignors.)

Pegna, Giovanni. (See Antona Traversi, R., and Pegna.)

Pelcé, Henri, Paris, and A. Bés, and A. Tizzoni, Longpres-les-Corps-Saints, assignors to Société Anonyme Saint Freres and Société à Responsabilité Limitée: Etablissements Rotatiss, Paris, France. Circular weaving loom. 2,238,658; Apr. 15.

Peltier, James E., assignor to C. B. Swift, doing business as Swift Manufacturing Company, Detroit, Mich. Fan blade. 2,238,749; Apr. 15.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Pennsylvania Rubber Company. (See Larabee, Albert F., assignor.)
Peppers, Jerry C., New Orleans, La. Destructible container. 2,238,821; Apr. 15.
Perosa Corporation. (See Adamoli, Carlo, assignor.)
Perrine, George, New York, N. Y. Tunnel lining. 2,238,566; Apr. 15.
Perroux, George E. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. System for emitting directed radiant energy. 2,238,229; Apr. 15.
Perry, William R., assignor to Reeves Pulley Company, Columbus, Ind. Bearing bushing. 2,238,435; Apr. 15.
Peters, Martin J., assignor to Moore Brothers Company, New York, N. Y. Soap lather dispenser. 2,238,449; Apr. 15.
Peterson, Carl D., Toledo, Ohio. Change-speed transmission gearing. 2,238,370; Apr. 15.
Peterson, William R. (See Parks, P. B., and Peterson.)
Pfaudler Co., The. (See Goecke, Rudolph F., assignor.)
Pfister, Lester J. (See Steele, O. W., and Pfister.)
Pickard, Alfred E., Mount Vernon, Ill. Combination shovel and chair. 2,238,131; Apr. 15.
Picker X-Ray Corporation, Waite Manufacturing Division, Inc. (See Goldfield, Edwin R., assignor.)
Pickert, Lynn L., Watertown, N. Y., assignor to The New York Air Brake Company. Sander. 2,238,505; Apr. 15.
Pier, Mathias Heidelberg, W. v. Fuener, and W. Simon, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard Catalytic Company. Thermal treatment of carbonaceous materials. 2,238,851; Apr. 15.
Pierce, Robert C. (See Johnson, C. R., and Pierce.)
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Car body construction. 2,238,285; Apr. 15.
Poe, Ralph W., Canton, Ill. Pencil sharpener. 2,238,340; Apr. 15.
Pollock, Gordon B., Los Angeles, Calif. Lens mounting. 2,238,371; Apr. 15.
Poor & Company. (See Lansing, Horace L., assignor.)
Powell, Arthur L., Prince Bay, Staten Island, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flexible mount incandescent electric lamp. 2,238,598; Apr. 15.
Pratt, Malcolm F., Woodbury, and C. H. Schlesman, Camden, N. J., assignors to Socony-Vacuum Company, Incorporated, New York, N. Y. Processing equipment. 2,238,804; Apr. 15.
Price, John F., assignor to Oswego Falls Corporation, Fulton, N. Y. Machine for seaming end closures to container barrels. 2,238,372; Apr. 15.
Priest, Dwight E., assignor to Baker Box Company, Worcester, Mass. Bottle crate construction. 2,238,822; Apr. 15.
Prince, David C., Swarthmore, Pa., assignor to General Electric Company. Circuit breaker. 2,238,567; Apr. 15.
Princeton Knitting Mills, Inc. (See Fleisher, Harry, assignor.)
Pungs, Leo, Brunswick, Germany. Modulation system. 2,238,286; Apr. 15.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Mass. Fastening device. 2,238,865; Apr. 15.
Puritan Company, Inc. (See Fulton, Robert R., assignor.)
Putney, David H. (See Altshuler, J. A., and Putney.)
Pyro Products Corporation. (See Hinsky, Anthony P., assignor.)
Quigley, Winfred M., West View, and E. S. Taylerson, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Unitary brush assembly and protective housing therefor. 2,238,075; Apr. 15.
RFC Mortgage Company, The. (See Uline, Migiel J., assignor.)
Rabell, Miriam E., New York, N. Y. Sanitary appliance and method of making same. 2,238,450; Apr. 15.
Rabezzana, Hector, A. J. Battey, and L. H. Wyatt, Flint, assignors to General Motors Corporation, Detroit, Mich. Sealing means for spark plug electrodes. 2,238,396; Apr. 15.
Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Radio shilded spark plug. 2,238,397; Apr. 15.
Radcliffe, Jack R., Dundalk, Md. Self-cleaning cinder ladle. 2,238,750; Apr. 15.
Radio Corporation of America. (See Blain, Albert, assignor.)
Radio Corporation of America. (See Brown, G. H., and Lewis, assignors.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Ditcham, William T., assignor.)
Radio Corporation of America. (See Furnival, J. M., Witt, and Cockerell, assignors.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Happe, W. H., Jr., and Wing, assignors.)
Radio Corporation of America. (See Holden, Harold C., assignor.)
Radio Corporation of America. (See Hullegård, Erik W., assignor.)
Radio Corporation of America. (See Jarvis, Kenneth W., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Paré, Victor T., assignor.)
Radio Corporation of America. (See Runge, Frank E., assignor.)
Radio Corporation of America. (See Spencer, James A., assignor.)
Radio Corporation of America. (See Weln, John F., assignor.)
Radio Corporation of America. (See Whitaker, James N., assignor.)
Rabn, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, Berlin, Germany. Ultra short wave amplifier. 2,238,287; Apr. 15.
Ramage, John H., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Lead wire. 2,238,599; Apr. 15.
Reconstruction Finance Corporation. (See Foster, Harry C., assignor.)
Reconstruction Finance Corporation. (See Kishline, Floyd F., assignor.)
Reece Folding Machine Company. (See Gilbert, Alfred G., assignor.)
Reed, John E., Beldridge, Calif. Line spooler. 2,238,398; Apr. 15.
Reed Roller Bit Company. (See Ohls, Robert L., assignor.)
Reeves Pulley Company. (See Perry, William R., assignor.)
Regar, Harold D., Reading, Pa. Spark plug. 2,238,852; Apr. 15.
Reifenberg, Joseph H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric water heater system. 2,238,600; Apr. 15.
Reinert, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Apparatus for producing cops. 2,238,230; Apr. 15.
Reinhardt, Harry A. (See Engel, W., and Reinhardt.)
Reinhardt, Louis W., Brockton, assignor to Belcher Hinge Corporation, Stoughton, Mass. Mortising equipment. 2,238,341; Apr. 15.
Reiter, Caspar, Berlin-Treptow, and H. J. Helwig, Berlin-Schoneberg, Germany, assignors to General Electric Company. Flash lamp. 2,238,780; Apr. 15.
Remington Arms Company. (See Brun, Willi, assignor.)
Reynolds, Frederick W., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephotography. 2,238,601; Apr. 15.
Reynolds, John N., Princeton, N. J. Multicontact relay. 2,238,076; Apr. 15.
Reynolds, John N., Princeton, N. J. Multicontact relay. 2,238,077; Apr. 15.
Reynolds, William G., assignor of one-half to The Terrell Machine Company, Charlotte, N. C. Fiber drawing mechanism and process. 2,238,659; Apr. 15.
Richardson, Fred W., assignor to Kirsch Company, Sturgis, Mich. Curtain rod bracket. 2,238,288; Apr. 15.
Richert, Ora W. (See Tuell, W. L., and Richert.)
Riehl, Theodore A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Heat sealing rubber hydrochloride. 2,238,342; Apr. 15.
Riesacker, William O., Detroit, Mich. Core box vent plug. 2,238,506; Apr. 15.
Riester, Oskar, Dessau-Ziebigk, and G. Wilmanns, Wolfen, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Cyanine dyestuffs. 2,238,231; Apr. 15.
Rinia, Herre, H. D. H. Tellegen, and M. Ziegler, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Radio receiver with band spreading. 2,238,752; Apr. 15.
Rippen, Nicholas, New York, N. Y. Sheathing system. 2,238,280; Apr. 15.
Rippingille, Frank S., Birmingham, England. Shock absorber. 2,238,751; Apr. 15.
Ritter, Henry T., South Rockwood, Mich. Flowerpot. 2,238,132; Apr. 15.
Ritter, Henry T., South Rockwood, Mich. Ceramic pot. 2,238,781; Apr. 15.
Rivington, Arthur A., and W. T. Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Safety device for power-operated machines. 2,238,290; Apr. 15.
Robbins & Weitz, Inc. (See Demerer, Max C., assignor.)
Roberts, George D., Agawam, assignor to Milton Bradley Co., Springfield, Mass. Coloring device. 2,238,886; Apr. 15.
Roble, Edward, New York, N. Y. Package opener. 2,238,753; Apr. 15.
Roché, Jean A., Dayton, Ohio. Gauging device for complex curved surfaces. 2,238,782; Apr. 15.
Roelen, Otto. (See Feisst, W., Neweling, and Roelen.)

Rogers, C. E., Company. (See Rogers, Charles E., assignor.)
Rogers, Charles E., Novi, assignor to C. E. Rogers Company, Detroit, Mich. Apparatus for treating liquids containing bacteria and spores. 2,238,373; Apr. 15.
Rollins, Jackson H., and W. E. Hatch, Toledo, Ohio. Special coating composition values. 2,238,783; Apr. 15.
Ronning, Adolph, Minneapolis, Minn. Lawn mower. 2,238,107; Apr. 15.
Rose, E. J., Manufacturing Company of California. (See Schuler, J. E., and McClelland, assignors.)
Rosenberger, George W., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Graphic demand meter. 2,238,602; Apr. 15.
Rosenstein, A. J. (See Lustig, Egon, assignor.)
Rosenthal, Simon, Homestead, Pa. Slider for slide fasteners. 2,238,823; Apr. 15.
Roth, Fred, Brooklyn, N. Y. Phonograph disk record holder. 2,238,451; Apr. 15.
Rothar, Harry, Roslyn, N. Y. Cigarette package and match book attachment therefor. 2,238,568; Apr. 15.
Rothbart, Max, New York, N. Y. Metal brick form. 2,238,871; Apr. 15.
Royster, Percy H., Bethesda, Md. Production of ferrochromium. 2,238,078; Apr. 15.
Ruhrchemie Aktiengesellschaft. (See Clar, C., Geiser, and Kuhnel, assignors.)
Runge, Frank E., Oaklyn, N. J., assignor to Radio Corportion of America. Photographic sound recorder. 2,238,291; Apr. 15.
Runnels, Garland D., Seattle, Wash. Comb-brush. 2,238,603; Apr. 15.
Rupp, John A., West Palm Beach, Fla. Combined window regulator and door latch operator. 2,238,754; Apr. 15.
Russell, Alfred R., Grosse Pointe, Mich. Base supporting an upright member. 2,238,708; Apr. 15.
Ruttiman, Alfred, assignor to Simplex Time Recorder Co., Gardner, Mass. Electrically operated recording mechanism. 2,238,507; Apr. 15.
Rybeck, Adolph W., and R. M. Hoyn, assignors to T. L. Smith Company, Milwaukee, Wis. Concrete mixing plant. 2,238,343; Apr. 15.
Ryner, Arthur, London, England, assignor to Traughber Engineering Company, Cleveland, Ohio. Separation of fine particles from gases. 2,238,824; Apr. 15.
Sabin, Wayne A., Detroit, Mich. Artificial fish bait. 2,238,604; Apr. 15.
Saeck, Arthur L. (See Jensen, Jens E., assignor.)
Salleo, Robert A., Point Richmond, Calif. Valve. 2,238,374; Apr. 15.
Sanchez, Irene, St. Augustine, Fla. Shield for automobiles. 2,238,187; Apr. 15.
Sanchez, Leonardo, Habana, Cuba. Closure for liquid receptacles. 2,238,188; Apr. 15.
Sanford, Roy S., New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind. Transmission mechanism. 2,238,133; Apr. 15.
Sano, Karel Borsbeeck, near Antwerp, assignor to Gevaert Photo-Producten N. V., Oude-God, Antwerp, Belgium. Film reel. 2,238,189; Apr. 15.
Santini, Danilo. (See Williams, H. W., and Santini, assignors.)
Santora, Frank J., Pittsburgh, Pa. Surgical instrument. 2,238,660; Apr. 15.
Satona Limited. (See Hartmann, Carl W., assignor.)
Sauer, John C., assignor to E. I. du Pont de Nemours, & Company, Wilmington, Del. Monacyl ethenones and making them. 2,238,826; Apr. 15.
Sawtelle, Egerton B., Cape Elizabeth, Maine. Instrument for course and position plotting. 2,238,190; Apr. 15.
Saxton, Arthur C., Lakewood, Ohio. Apparatus for transporting caskets and the like. 2,238,569; Apr. 15.
Schade, Rudolf, Berlin-Charlottenburg, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Gas-filled phototube. 2,238,605; Apr. 15.
Schavey, Earl C., Shreveport, La. Fish lure. 2,238,292; Apr. 15.
Scheib, Ludwig G., Chicago, Ill. Indoor game. 2,238,079; Apr. 15.
Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt and Screw Company, Cleveland, Ohio. Hydraulic propeller mechanism. 2,238,293; Apr. 15.
Schlesman, Carleton H. (See Pratt, M. F., and Schlesman.)
Schilling, Karl. (See Eckert, W., Schilling, and Hofmann.)
Schlofhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)
Schluchter, Alfred, Dearborn, assignor to General Motors Corporation, Detroit, Mich. Bearing alloy. 2,238,399; Apr. 15.
Schmid, Alfred, Berlin-Dahlem, Germany. Structural material. 2,238,427; Apr. 15.
Schmid, Carl J., assignor to Julius Schmid, Inc., New York, N. Y. Venting means for nursing nipples. 2,238,827; Apr. 15.
Schmid, Carl J., assignor to Julius Schmid, Inc., New York, N. Y. Vented nipple. 2,238,828; Apr. 15.
Schmid, Julius, Inc. (See Schmid, Carl J., assignor.)
Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Calorimetric apparatus. 2,238,606; Apr. 15.
Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,238,801; Apr. 15.
Schnitger, Herbert, Berlin-Spandau, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Electron multiplier. 2,238,607; Apr. 15.
Schoen, Robert J., Milwaukee, Wis. Christmas tree branch holder. 2,238,134; Apr. 15.
Schoenfeld, Herman J. (See Johnson, Everhard L., assignor.)
Schoonderwoerd, Jacobus G., and J. R. Houtman, Enka, N. C. Game. 2,238,829; Apr. 15.
Schraig, James V., Central Valley, N. Y. Stuffing gland boss. 2,238,709; Apr. 15.
Schrimpf, Theodor, Berlin-Neukolln, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,238,508; Apr. 15.
Schuler, James E., Hawthorne, and A. H. McClelland, assignors to E. J. Rose Manufacturing Company of California, Inc., Los Angeles, Calif. High-frequency epilation apparatus. 2,238,344; Apr. 15.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Cable-anchoring device. 2,238,755; Apr. 15.
Schwartz, Max A., Chicago, Ill., assignor to Century Radio Aerial, Inc. Radio antenna. 2,238,135; Apr. 15.
Schweitzer, Edmund O., Jr., North Brook, Ill. Fault indicating means. 2,238,570; Apr. 15.
Scott, David C., Providence, R. I., assignor to Henry L. Scott Company. Pressure testing machine. 2,238,539; Apr. 15.
Scott, Elmer J., and E. T. Nissen, Denver, Colo. Typewriter stand. 2,238,294; Apr. 15.
Scott, Gilbert W., Franklin, Ill. Fruit juicer. 2,238,571; Apr. 15.
Scott, Henry L., Company. (See Scott, David C., assignor.)
Scott, Lawrence O., San Jose, Calif. Dyeing process. 2,238,400; Apr. 15.
Scott Paper Company. (See Corbin, Wesley S., assignor.)
Scott, William J., J. T. Anderson and R. S. Wells, Rugby, England, assignor to General Electric Company. Electric discharge device. 2,238,784; Apr. 15.
Scott & Williams, Incorporated. (See Page, Frank R., assignor.)
Seaman, Gilbert M., Catskill, N. Y. Automatic underfeed stoker. 2,238,232; Apr. 15.
Seaton, Max Y., Greenwich, Conn., and H. H. Hartzell, San Leandro, Calif., assignors, by mesne assignments, to Basic Dolomite, Incorporated, Cleveland, Ohio. Method of making basic refractories. 2,238,428; Apr. 15.
Sebald, Joseph F., Arlington, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Feedwater heater. 2,238,572; Apr. 15.
Secretary of Agriculture of the United States of America. (See Brother, G. H., and McKinney, assignors.)
Selby Shoe Company, The. (See Michelman, Joseph, assignor.)
Semler, Clyde M., Cuyahoga Falls, Ohio. Vulcanizing apparatus. 2,238,825; Apr. 15.
Senseney, George E., Ipswich, Mass. Apparatus for printing ornamental designs on cloth. 2,238,479; Apr. 15.
Sensytrol Corporation. (See Dickens, Harry, assignor.)
Servel, Inc. (See Taylor, Robert S., assignor.)
Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Pressure core barrel. 2,238,609; Apr. 15.
Shaeffer, John W., New York, N. Y. Photographic utensil. 2,238,661; Apr. 15.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Brake mechanism. 2,238,452; Apr. 15.
Shapiro, Harry S., Chicago, Ill. Adjustable cover. 2,238,710; Apr. 15.
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Solenoid. 2,238,401; Apr. 15.
Shaw, William Ernest, Olean, N. Y. Tackle swivel. 2,238,509; Apr. 15.
Shelton, Lee A., assignor to New Monarch Machine & Stamping Co., Des Moines, Iowa. Rail support. 2,238,348; Apr. 15.
Shelton, Vernon P., Chicago, Ill. Camera. 2,238,191; Apr. 15.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, as trustee. Making pulp molding dies. 2,238,853; Apr. 15.
Shepard, Nathaniel L., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Recovery of fluorspar from ores thereof. 2,238,662; Apr. 15.
Shoeld, Mark, Baltimore, Md. Absorption refrigeration. 2,238,080; Apr. 15.
Shorter, Walter E. (See Wilhelm, M. A., and Shorter.)
Siebert, Ernst, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company East Pittsburgh, Pa. Manufacturing metallic oxide rectifiers. 2,238,608; Apr. 15.

Siegel, Benjamin. (See Bloom, Victor, and Siegel.)
Siegler, Eugene G. and R. J. Marion County, Ill. Air circulator for heating units and the like. 2,238,345; Apr. 15.
Siegler, Raymond J. (See Siegler, Eugene G. and R. J.)
Siegmund, Herbert. (See Melzer, E., Siegmund, and Kalep.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Nöthe, Erich, assignor.)
Siemens & Halske Aktiengesellschaft. (See Tatzl, Hans, assignor.)
Siemens & Halske, Aktiengesellschaft. (See von Werther, W., and Kalckhoff, assignors.)
Signal Engineering & Manufacturing Company. (See Wheelock, John H., assignor.)
Simmons Company. (See Halleran, Harry, assignor.)
Simmons Company. (See Woller, Edward E., assignor.)
Simon, Walter. (See Pier, M., Fuener, and Simon.)
Simplex Time Recorder Co. (See Ruttiman, Alfred, assignor.)
Simpson, Benjamin H., Minneapolis, Minn. Water heater for ranges. 2,238,375; Apr. 15.
Singer Manufacturing Company, The. (See Knaus, Nicholaus, assignor.)
Skeats, Wilfred F. (See Flurschelm, C. H., and Skeats.)
Sloat, Howard M., Fairfield, Conn. Load carrying apparatus. 2,238,293; Apr. 15.
Small, Howard, Philadelphia, Pa. Flash bulb firing mechanism for cameras. 2,238,453; Apr. 15.
Smith, Clarence W., Hamilton, Ontario, Canada. Garbage can. 2,238,830; Apr. 15.
Smith, Drum and Company. (See Drum, H. S., Dodson, and Jaxheimer, assignors.)
Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Stove construction. 2,238,402; Apr. 15.
Smith, T. L., Company. (See Rybeck, A. W., and Hoya, assignors.)
Snook, Howard. (See Thomas, W. M. W., and Snook.)
Snow, Carl W. (See Heller, G. L., and Snow.)
Snyder, H. P., Mfg. Company. (See Snyder, Harry W., assignor.)
Snyder, Harry W., assignor to H. P. Snyder Mfg. Company, Inc., Little Falls, N. Y. Exerciser. 2,238,295; Apr. 15.
Sobernnes, Waverly Edward, San Rafael, assignor of one-half to A. W. Ward, San Francisco, Calif. Excavator tooth. 2,238,081; Apr. 15.
Soc. An. Microtecnica. (See Derossi, Agostino D., assignor.)
Société Anonyme Saint Freres and Société à Responsabilité Limitée: Etablisements Rotatlss. (See Pelcé, H., Bés, and Tizzoni, assignors.)
Société Chanterelne d'Applications Industrielles de Brevets. (See Doubledent, Felix, assignor.)
Society of Chemical Industry in Basle. (See Moergell, E., Krauer, and Bommer, assignors.)
Socony-Vacuum Oil Company. (See Pratt, M. F., and Schlesman, assignors.)
Soderquist, Albert A., near Seattle, and R. J. Minshall, assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Mass balancing means for control surfaces. 2,238,403; Apr. 15.
Soldan, Lewis E., Chicago, Ill. Screening apparatus. 2,238,711; Apr. 15.
Somes, Howard E., Detroit, Mich. Cylinder treating machine. 2,238,082; Apr. 15.
Sorensen, Harold, Knappa, Oreg. Apparatus for tilting bulldozer blades. 2,238,346; Apr. 15.
Sourwine, James A., Washington, D. C. Preparing cement products. 2,238,540; Apr. 15.
Spagnolo, Vincent, Springfield, Mass. Cleaning and massaging device. 2,238,541; Apr. 15.
Spencer Aircraft Motors. (See Spencer, Louis R., assignor.)
Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Auxiliary telegraph signal transmitter. 2,238,136; Apr. 15.
Spencer, Louis R., West Hartford, assignor to Spencer Aircraft Motors, Inc., Hartford, Conn. Internal combustion engine. 2,238,404; Apr. 15.
Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)
Sperry Gyroscope Company. (See Zand, S. J., and Kenyon, assignors.)
Spicer, Arthur E., Pasadena, Calif. Dry cell battery. 2,238,376; Apr. 15.
Sprout, Donald F., assignor to J. R. Cardwell, Chicago, Ill. Draft gear. 2,238,083; Apr. 15.
Squibb, E. R., & Sons. (See Jones, William S., assignor.)
Standard Brands Incorporated. (See Paulus, Herman W., assignor.)
Standard Catalytic Company. (See Pier, M., Fuener, and Simon, assignors.)
Standard Machine Patents Co. (See Hodges, Pelleren, assignor.)
Standard Oil Company of California. (See Chappell, Marvin L., assignor.)
Standard Oil Development Company. (See Gaylor, Peter, J., assignor.)
Standard Oil Development Company. (See Gleason, Anthony H., assignor.)
Standard Oil Development Company. (See Malishev, Boris, assignor.)
Standard Oil Development Company. (See Sewell, Benjamin W., assignor.)
Stanley, Edmund. (See Ellis, G. H., and Stanley.)
Stanolind Oil and Gas Company. (See Kelly, Dunford A., assignor.)
Stansfield, Richard, Teddington, Middlesex, England, assignor to International Standard Electric Corporation, New York, N. Y. Pressure indicator. 2,238,234; Apr. 15.
Star Drilling Machine Company, The. (See Helnish, George, assignor.)
Star Expansion Bolt Company. (See McIntosh, Roy E., assignor.)
Starr, Oscar L., Mission San Jose, and W. Grothe, Alameda, Calif., and H. S. Eberhard, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Sprocket wheel. 2,238,347; Apr. 15.
Start, Ernest. (See Start, Harry W., and E.)
Start, Harry W., Carlton, and E. Start, Wilford, assignors to George Blackburn and Sons Limited, Nottingham, England. Weft turning mechanism of straight-bar knitting machines. 2,238,192; Apr. 15.
Staubli, Gebr., & Co. (See Staubli, Hugo, assignor.)
Stäubli, Hugo, Zurich, assignor to Gebr. Stäubli & Co., Horgen, Switzerland. Shed forming machine. 2,238,663; Apr. 15.
Staven, Kenneth L. (See Timm, J. L., Normington, and Staven.)
Steach, Alexander, Dedham, Mass. Work holding clamp. 2,238,831; Apr. 15.
Steedman, Edwin H., St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Lift for raising motor vehicles. 2,238,573; Apr. 15.
Steele, Oliver W., St. Louis, Mo., and L. J. Pfister, El Paso, Ill. Sizing corn. 2,238,454; Apr. 15.
Steeneck, Robert, assignor to The Western Union Telegraph Company, New York, N. Y. Sports timer. 2,238,756; Apr. 15.
Stein, Hall Manufacturing Company. (See Bauer, Hans F., J. V., and Hawley, assignors.)
Steinhilber, Walter, New York, N. Y. Marionette. 2,238,455; Apr. 15.
Steirer, Louis. (See View, S. E., and Steirer.)
Stephens, Andrew J., Kansas City, Mo. Beverage cooler and dispenser. 2,238,193; Apr. 15.
Sterling Corporation, The. (See Bowser, Percy L., assignor.)
Sterling Corporation, The. (See Bowser, P. L., Venner and Bowser, Jr., assignors.)
Sterling Corporation, The. (See Venner, W. M., and Bowser, Jr., assignors.)
Stevanon, Orville, assignor of one-half to Wendell G. Newsom, Indianapolis, Ind. Wall cleaner. 2,238,757; Apr. 15.
Stewart, Augustus B. (See Owen, S. A., and Stewart.)
Stewart, Fred B., Muncie, Ind. Traffic signal. 2,238,510; Apr. 15.
Stock, Arthur J., Cleveland, Ohio. Controlling device. 2,238,296; Apr. 15.
Stover, Paul A., assignor to Fire-Gard Corporation, San Francisco, Calif. Fire extinguishing apparatus. 2,238,349; Apr. 15.
Stowell, Clayton F. B. (See Dickinson, C. C., and Stowell.)
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator. 2,238,350; Apr. 15.
Strang, Edward S., Long Beach, Calif. Undercutter. 2,238,377; Apr. 15.
Stratford Development Corporation. (See Altshuler, J. A., and Putney, assignors.)
Strübig, Heinrich, Teltow, near Berlin, and R. Colberg, Berlin, Dahlem, assignors to the firm of Fernseh Aktien-Gesellschaft, Behlendorf, near Berlin, Germany. Projecting electrical recordings. 2,238,137; Apr. 15.
Summerfield, Arthur P., Birmingham, England. Apparatus for preheating moldable thermosetting compositions. 2,238,378; Apr. 15.
Swallen, Lloyd C. (See Horesi, A. C., Flint, and Swallen.)
Swift, Clarence B., et al. (See Peltier, James E., assignor.)
Swift Manufacturing Company. (See Peltier, James E.)
Syrovy, Augustin J. (See Neracher, C. A., Dunn, Syrovy, and Iavelli.)
Taft-Peirce Manufacturing Company. (See Miller, Paul V., assignor.)
Talnton, Urlyn C., Baltimore, Md. Recovery of metals from ores. 2,238,194; Apr. 15.
Tajovsky, Franz. (See Vásárhelyi, F., and Tajovsky.)
Talbot, Howard H., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Shear. 2,238,542; Apr. 15.
Tatzl, Hans, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 2,238,235; Apr. 15.
Taylerson, Ewart S. (See Quigley, W. M., and Taylerson.)
Taylor, Robert S., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,238,138; Apr. 15.
Taylor-Wilson Manufacturing Company. (See Lerch, Jacob T., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie. (See Rahn, Ernst, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Paul, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Winkler, Johannes, assignor.)
Teletype Corporation. (See Zenner, Walter J., assignor.)

Tellegen, Bernardus D. (See Rinia, H., Tellegen, and Ziegler.)
Terman, Frederick E., Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Modulation system. 2,238,236; Apr. 15.
Terr, Harold. (See Levine, Jacob, assignor.)
Terrell Machine Company, The. (See Reynolds, William G., assignor.)
Texas Company, The. (See Kemp, Lebbeus C., assignor.)
Thaxter, Curtis H., Los Angeles, Calif. Refrigerated cabinet. 2,238,511; Apr. 15.
Thomas, Phillips, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wire enameling. 2,238,610; Apr. 15.
Thomas, William M. W., and H. Snook, assignors to Wolseley Motors Limited, Birmingham, England. Controlling means for reversing gears. 2,238,574; Apr. 15.
Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Vehicle dump. 2,238,237; Apr. 15.
Thompson, Kenneth M., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Nitration of organic compounds. 2,238,195; Apr. 15.
Thomson, A. F. H. (See Wikkenhauser, G., and Thomson.)
Thoren, Albin H., Chicago, Ill. Fishing lure. 2,238,832; Apr. 15.
Thornhill, Charles W., Houston, Tex. Determining physical characteristics of liquids. 2,238,758; Apr. 15.
Tierney, Philip W., assignor to Eastman Kodak Company, Rochester, N. Y. Handle latch mechanism. 2,238,480; Apr. 15.
Tiffany, Edward J., Van Nuys, Calif. Lock for container lids. 2,238,370; Apr. 15.
Tillotson, Neil E., Watertown, Mass. Method and apparatus for producing dipped articles. 2,238,833; Apr. 15.
Timm, John L., C. A. Normington and K. L. Staven, Wisconsin Rapids, Wis. Garment bagging device. 2,238,297; Apr. 15.
Tinker, John M. (See Balon, W. J., and Tinker.)
Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Heavy-duty sheet metal nut. 2,238,664; Apr. 15.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tittel, Josef, Berlin-Lubars, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Self-excitation of alternating current generators. 2,238,611; Apr. 15.
Tizzoni, Arthur. (See Pelcé, H., Bés, and Tizzoni.)
Tomlinson, George H., Westmount, Quebec, Canada. Purification of magnesium base liquors. 2,238,456; Apr. 15.
Transit Research Corporation. (See Piron, Emil H., assignor.)
Traughber Engineering Company. (See Ryner, Arthur, assignor.)
Travers, Joseph, assignor of one-half to R. Di Pippo, Providence, R. I. Electric connector plug. 2,238,834; Apr. 15.
Troche, Herman J., assignor to The American Coach and Body Company, Cleveland, Ohio. Utility vehicle. 2,238,665; Apr. 15.
Trotter, Henry E., Fort Worth, Tex. Refrigerator, display case, and meat cooler. 2,238,543; Apr. 15.
Truscon Steel Company. (See Morgan, David H., assignor.)
Trussell Manufacturing Company. (See Cruzan, Charles C., assignor.)
Tsurukichi Tsuchiya, Shintomi-Cho, Kyobashi-ku, Tokyo, Japan. Apparatus for putting phonograph records in order after use. 2,238,612; Apr. 15.
Tucker, Stanley, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y. Agitation and aeration apparatus. 2,238,139; Apr. 15.
Tuell, Willard L., Grand Haven, and O. W. Richert, Spring Lake, Mich. Adjustable overshoe for ice skates. 2,238,084; Apr. 15.
Turner, Guilford S., Berwyn, assignor to Morris B. Brewster Co. Inc., Chicago, Ill. Track sanding equipment. 2,238,140; Apr. 15.
Tveten, Finn, Oslo, Norway. Door lock or locking device for doors, windows, and the like. 2,238,835; Apr. 15.
Tyler, Ernest A., Binghamton, N. Y. Holder for shade roller brackets. 2,238,196; Apr. 15.
Vilne, Migiel J., Washington, D. C., assignor to The RFC Mortgage Company, Richmond, Va. Refrigeration. 2,238,512; Apr. 15.
Union Asbestos Company. (See Lundvall, John S., assignor.)
Union Fork and Hoe Company, The. (See Finley, Leonard P., assignor.)
Union Switch & Signal Company, The. (See Lazich, Branko, assignor.)
Union Switch & Signal Company, The. (See Clausen, Harold C., assignor.)
United Aircraft Corporation. (See McIntosh, Robert E., assignor.)
United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United-Carr Fastener Corporation. (See Johnson, Frank E., assignor.)
United Engineering and Foundry Company. (See Talbot, Howard H., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Hart, George T., Jr., assignor.)
United Shoe Machinery Corporation. (See Lyness, Horatio S., assignor.)
United Shoe Machinery Corporation. (See Rivington, A. A., and Minett, assignors.)
United States Rubber Company. (See Eger, Ernst, assignor.)
Universal-Engel Paper Box Co. (See Engel, W., and Reinhardt, assignors.)
Unzueta, Lucio S., Bilbao, Spain. Defibration of textile plants. 2,238,666; Apr. 15.
Upjohn Company, The. (See Cartland, George F., assignor.)
Utility Electric Corporation. (See Koerner, W. E., Bahlke, and Marvin, assignors.)
Vaipan, George A., Anchorage, Territory of Alaska. Bench saw setting device. 2,238,405; Apr. 15.
Van Cura, Edward. (See Dunel, A. J., and Van Cura.)
Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,238,351; Apr. 15.
Van Derhoef, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Slitting machine construction. 2,238,481; Apr. 15.
Vapor Car Heating Company. (See Parks, P. B., and Peterson, assignors.)
Vásárhelyi, Franz, and F. Tajovsky, assignors to the firm Langschienen Gesellschaft m. b. H., Vienna, Austria. Rail joint. 2,238,836; Apr. 15.
Vaughan Novelty Mfg. Co. (See Fender, Ferdinand E., assignor.)
Vaughn, Sidney P., Long Beach, and W. E. Jenkins, assignors to Domestic Manufacturing Company, Inc., Los Angeles, Calif. Temperature-regulating device. 2,238,837; Apr. 15.
Venner, William M. (See Bowser, P. L., Venner, and Bowser, Jr.)
Venner, William M., Richmond Heights, and P. L. Bowser, Jr., University City, assignors to The Sterling Corporation, St. Louis, Mo. Piston. 2,238,085; Apr. 15.
Vestrem, Ivan H., assignor of one-sixth to M. Kepote, Cedar Keys, one-sixth to G. Cocoris, one-sixth to G. Mavros, one-sixth to J. Alafantis, Tarpon Springs, Fla., and one-sixth to J. I. Bolton, Milwaukee, Wis. Diving apparatus. 2,238,759; Apr. 15.
View, Stanley E., and L. Steirer, Chicago, Ill. Auxiliary gripping attachment for typewriters. 2,238,352; Apr. 15.
Visnansky, Andrew W. (See Aquara, A. C., and Visnansky.)
Vita Sales Corporation. (See Knaust, Henry E., assignor.)
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Method of and machine for labeling. 2,238,436; Apr. 15.
Von Werther, Walter, Berlin, and G. Kalckhoff, Schonwalde, near Velten, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Amplifier circuit organization with means to compensate nonlinear distortions. 2,238,457; Apr. 15.
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wagstaff, George, Nottinghamshire, assignor to Carr Fastener Company Limited, Stapleford, England. Detachable fastening device. 2,238,854; Apr. 15.
Wales, Charles C., Cleveland, Ohio. Apparatus for treating strip steel. 2,238,667; Apr. 15.
Walker, Herbert W., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing composite articles of cellulose material and neoprene by the addition of fluorides and products resulting therefrom. 2,238,141; Apr. 15.
Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lapping apparatus. 2,238,760; Apr. 15.
Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Surface finishing machine for cylindrical surfaces. 2,238,761; Apr. 15.
Waller, Lee R., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching mechanism. 2,238,458; Apr. 15.
Waltham Watch Company. (See Nazar, Nicholas, assignor.)
Walton, Robert C., Iola, Kans. Apparatus for producing shaped cores. 2,238,785; Apr. 15.
Ward, Abraham W. (See Soberanes, Waverly E., assignor.)
Ward, Frank A., Hollister, Calif. Door handle. 2,238,513; Apr. 15.
Waring, Theodore R., Scarsdale, N. Y. Game. 2,238,713; Apr. 15.
Warman, Robert B., Kenmore, N. Y. Motion control device. 2,238,786; Apr. 15.
Warren, Arlie D., Muskogee, Okla. Automobile or motor vehicle robot. 2,238,838; Apr. 15.

Watkins, William, Prestwich, Manchester, England. Crease-resisting treatment of textile materials. 2,238,839; Apr. 15.
Watson, John W., Wayne, assignor to John Warren Watson Company, Philadelphia, Pa. Bearing structure. 2,238,197; Apr. 15.
Watson, John Warren, Company. (See Watson, John W., assignor.)
Weaver, Allan, Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switching system. 2,238,142; Apr. 15.
Webber, Jedah G., Antwerp, Ohio. Hog feeder. 2,238,407; Apr. 15.
Weber, Walter C., Painted Post, assignor to Corning Glass Works, Corning, N. Y. Insulator press. 2,238,198; Apr. 15.
Weeks, Kenneth R., and W. S. Armstrong, Winnipeg, Manitoba, assignors to Gypsum, Lime and Alabastine, Canada, Limited, Toronto, Ontario, Canada. Building construction. 2,238,514; Apr. 15.
Wehrlin, Hans, Gumligen, near Berne, Switzerland, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency current measuring device. 2,238,298; Apr. 15.
Weln, John F., Indianapolis, Ind., assignor to Radio Corporation of America. Photoelectric sound reproducer. 2,238,143; Apr. 15.
Weintraub, Sol, Hillside, and J. A. Martin, Elizabeth, N. J., assignors to Flexnit Company, Inc. Elastic fabric. 2,238,353; Apr. 15.
Welshaar, Emrich, Ashton, Ill. Sweep rake. 2,238,840; Apr. 15.
Wellenstein, Robert, Bremen, Germany. Device for the production of sound vibrations of definite frequency by means of a pipe or whistle. 2,238,668; Apr. 15.
Wells, Clarence F., Marshallton, assignor by mesne assignments to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of alkyl ethers of cellulose. 2,238,714; Apr. 15.
Wells, Franklin H., and K. P. Brace, South Bend, Ind., assignors to International Engineering Corporation, Chicago, Ill. Burner. 2,238,715; Apr. 15.
Wells, Ira M., Oakland, Calif. Broom. 2,238,716; Apr. 15.
Wells, Robert S. (See Scott, W. J., Anderson and Wells.)
Welter, Herman C., assignor to The Dawn Mfg. Corp., Rochester, N. Y. Copyholder mechanism. 2,238,354; Apr. 15.
Wertz, Louis S., Inc. (See Elliott, Harvey F., assignor.)
West, M. G., Company. (See West, Ross R., assignor.)
West, Ross R., assignor to M. G. West Company, San Francisco, Calif. Filing drawer. 2,238,088; Apr. 15.
Western Electric Company. (See Waller, Lee R., assignor.)
Western Union Telegraph Company, The. (See Nelson, D. H., and Buckingham, assignors.)
Western Union Telegraph Company, The. (See Steeneck, Robert, assignor.)
Westinghouse Electric Elevator Company. (See Williams, H. W., and Santini, assignors.)
Westinghouse Electric & Manufacturing Company. (See Baker, Rest R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Berkey, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blackburn, Philip W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bletz, Edward, assignor.)
Westinghouse Electric & Manufacturing Company. (See Borland, James E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cox, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crichton, L. N., and Barrow, assignors.)
Westinghouse Electric & Manufacturing Company. (See Curry, Herman H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kelly, James M., assignor.)
Westinghouse Electric & Manufacturing Company. (See McNall, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mouromtseff, I. E., and Dinnick, assignors.)
Westinghouse Electric & Manufacturing Company. (See Powell, Arthur L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Ramage, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reifenberg, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rosenberger, George W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Siebert, Ernst, assignor.)
Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
Westinghouse Electric & Manufacturing Company. (See Tittel, Josef, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wickerham, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wright, Ralph H., assignor.)
Westrope, Fred J., Pleasant Ridge, assignor to F. L. Jacobs Company, Detroit, Mich. Molding fastener. 2,238,238; Apr. 15.
Weygand, Friedrich. (See Kuhn, R., Weygand, and Cook.)
Whalen, Joseph J., Oklahoma City, Okla. Rotary drill bit. 2,238,199; Apr. 15.
Wheatley, Edward, West Wickham, England. Reducing or removing wave curl or frizziness from hair. 2,238,544; Apr. 15.
Wheaton, A. W., Brass Works, Inc. (See Meyer, W., and Krone, assignors.)
Wheelock, John H., Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Alarm signal system. 2,238,144; Apr. 15.
Whiley, John S., New York, N. Y., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Carton for tumblers. 2,238,545; Apr. 15.
Whitaker, James N., Weehawken, N. J., assignor to Radio Corporation of America. Power regulator. 2,238,762; Apr. 15.
Whitaker, John H. (See Muir, N. S., Clothier, and Whitaker.)
White, Gerald. (See Ford, G. R., Jr., and White.)
Whitenack, James B., Chicago, Ill. Wall building unit and structure incorporating same. 2,238,355; Apr. 15.
Wickerham, William R., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wound motor rotor control. 2,238,613; Apr. 15.
Wikkenhauser, Gustav, and A. F. H. Thomson, Kensington, London, England. Electrical signal generator. 2,238,089; Apr. 15.
Wiley, Richard H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of silicanes. 2,238,669; Apr. 15.
Wilhelm, Mervin A., and W. E. Shorter, York, Pa. Article hanger. 2,238,459; Apr. 15.
Wilhide, Glenn C. (See Baker, J. N., and Wilhide.)
Willeke, Bruno, Gladbeck, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Filling contrivance for charging lorries of coke ovens. 2,238,200; Apr. 15.
Williams, Beverly E., and A. S. Hartanov, assignors to Industrial Patents Corporation, Chicago, Ill. Carcass treatment. 2,238,546; Apr. 15.
Williams, Harold W., Nutley, and D. Santini, Tenafly, assignors to Westinghouse Electric Elevator Company, Jersey City, N. J. Electrical control system. 2,238,614; Apr. 15.
Williams, Robert A., assignor to Ditto, Incorporated, Chicago, Ill. Unit strip machine and method. 2,238,356; Apr. 15.
Williams, William. (See Wylde, J. R., and Williams.)
Wilmanns, Gustav. (See Riester, O., and Wilmanns.)
Wilputte Coke Oven Corporation. (See Wilputte, Louis, assignor.)
Wilputte, Louis, New Rochelle, N. Y., assignor, by mesne assignments, to Wilputte Coke Oven Corporation, New York, N. Y. Self sealing door. 2,238,239; Apr. 15.
Wilson, Alexander L., and H. R. Fife, Pittsburgh, Pa., assignors to Carbide and Carbon Chemicals Corporation. Purification of hydrocarbon liquids. 2,238,201; Apr. 15.
Wilson, Jack. (See Farr, H., and Wilson.)
Wilson, John T., Somerset, Ky. Container. 2,238,299; Apr. 15.
Wing, Arthur K. (See Happe, W. H., Jr., and Wing.)
Wingfoot Corporation. (See Beitman, Bernard J., assignor.)
Wingfoot Corporation. (See Hardman, Albert F., assignor.)
Wingfoot Corporation. (See Lichty, Jay G., assignor.)
Wingfoot Corporation. (See Morris, Thomas C., assignor.)
Wingfoot Corporation. (See Riehl, Theodore A., assignor.)
Winkler, Johannes, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for variable adjustment of band width. 2,238,763; Apr. 15.
Winthrop Chemical Company, Inc. (See Kuhn, R., Weygand, and Cook, assignors.)
Wirth, Gustav, Leuna, Germany, assignor, by mesne assignments, to William Ellyson Currie, New York, N. Y. Process and apparatus for producing hydrocarbons. 2,238,240; Apr. 15.
Witt, Bertram J. (See Furnival, J. M., Witt and Cockerell.)
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Footage indicator for film handling apparatus. 2,238,482; Apr. 15.
Wolf, Austin M., Plainfield, N. J. Motor vehicle driving mechanism. 2,238,615; Apr. 15.
Wolf, Austin M., Plainfield, N. J. Motor vehicle driving mechanism. 2,238,616; Apr. 15.
Wolf, John W., assignor to Arlington Ice and Fuel Company, Baltimore, Md. Ice block handler. 2,238,704; Apr. 15.
Wolfe, Harry H. (See Johnson, G. T., and Wolfe.)
Woll, Edward. (See Blake, S., and Woll.)

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Extensible couch. 2,238,765; Apr. 15.
Wolseley Motors Limited. (See Thomas, W. M. W., and Snook, assignors.)
Wood, Walter W., Canton, Ohio. Spring suspension. 2,238,202; Apr. 15.
Wood, William H., Bedford, Ohio, assignor to Harris-Seybold-Potter Company. Photographic developer. 2,238,547; Apr. 15.
Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating wells. 2,238,671; Apr. 15.
Woods, William J., Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Method and apparatus for the production of fine filaments of glass. 2,238,204; Apr. 15.
Woolley, Ace W., Longmont, Colo. Tank trap. 2,238,145; Apr. 15.
Worthington Pump and Machinery Corporation. (See Sebald, Joseph F., assignor.)
Wright, Ralph H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system for dynamoelectric machines. 2,238,406. Apr. 15.
Wurlitzer, Rudolph, Company, The. (See de Tartas, Augustus R., assignor.)
Wyatt, Lucian H. (See Rabezzana, H., Battey, and Wyatt.)
Wylde, Joseph R., and W. Williams, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile machinery. 2,238,203; Apr. 15.
Yavitch, Morris, Los Angeles, Calif. Device for silencing the flow of water in conduits. 2,238,146; Apr. 15.
Young, Douglas, Inc. (See Young, Lewis D., assignor.)
Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Box. 2,238,147; Apr. 15.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Photomechanical color reproduction. 2,238,483; Apr. 15.
Zahn, Oswald F., San Diego, Calif. Shaver. 2,238,148; Apr. 15.
Zand, Stephen J., Forest Hills, and T. W. Kenyon, Huntington, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Airplane automatic pilot with automatic banking. 2,238,300; Apr. 15.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,238,090; Apr. 15.
Ziegler, Marc. (See Rinia, H., Tellegen, and Ziegler.)
Zischkau, Clarence, Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering indium. 2,238,437; Apr. 15.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Testing conductive bodies. 2,238,091; Apr. 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Block and facing tile, Building. R. Kalkusch. Re. 21,771; Apr. 15.
Boiler and the like. T. E. Murray and J. H. Lawrence. Re. 21,772; Apr. 15.
Control apparatus for vehicles. E. Fischel and J. Thiry. Re. 21,770; Apr. 15.

LIST OF DESIGN INVENTIONS

Badge or like articles. R. Witt. 126,620; Apr. 15.
Bait, Artificial. C. V. Mangle. 126,558; Apr. 15.
Bank or article of similar nature, Glass. F. S. Barbiers. 126,549; Apr. 15.
Basket, Bicycle. A. G. Andrews. 126,564; Apr. 15.
Boat. P. G. Larson. 126,588; Apr. 15.
Brassière or the like. W. Rosenthal. 126,641; Apr. 15.
Brooch or similar article. S. Pearl. 126,630; Apr. 15.
Bumper and bumper guard or similar article, Combined. H. S. Jandus. 126,625; Apr. 15.
Bumper and hanger for mop handles, Combination. F. A. Speik. 126,595; Apr. 15.
Button. H. Lorber. 126,628; Apr. 15.
Cabinet for a vending machine. J. F. Meyer. 126,559; Apr. 15.
Cabinet, Radio-phonograph. E. F. Haines. 126,606; Apr. 15.
Can top, Self-closing refuse. K. N. Perkins. 126,632; Apr. 15.
Canister, Air purifying. C. W. Punton and W. P. Yant. 126,637; Apr. 15.
Carpet or article of similar nature. A. K. Bartholomew and F. M. Hirst. 126,550; Apr. 15.
Case or similar article, Luggage. S. Katz. 126,626; Apr. 15.
Case, Piano. W. M. Day. 126,573; Apr. 15.
Casing for sound apparatus. D. C. Rockola. 126,639–40; Apr. 15.
Chair. G. Rohde. 126,593; Apr. 15.
Clip, Pin. A. Philippe. 126,633–4; Apr. 15.
Clock, Electric. L. Eickemeyer. 126,601; Apr. 15.
Clock or similar article. K. Lerman. 126,610–2; Apr. 15.
Clock, Ship. A. Levy and J. F. Punzak. 126,627; Apr. 15.
Coat. I. Rakoff. 126,668; Apr. 15.
Coat. M. Rubin. 126,670; Apr. 15.
Coat. M. Weinstein. 126,562; Apr. 15.
Collar, Scarf. E. Kasarda. 126,586; Apr. 15.
Connector, Dual electrical. J. O. Reinecke. 126,619; Apr. 15.
Croquet mallet. J. Pressman. 126,571; Apr. 15.
Cross, Composite. R. F. Breuman. 126,597; Apr. 15.
Dress. A. Cole. 126,680; Apr. 15.
Dress. G. Feldman. 126,578–81; Apr. 15.
Dress. M. Fields. 126,681; Apr. 15.
Dress. P. Fracchia. 126,647–52; Apr. 15.
Dress. P. Fracchia. 126,682; Apr. 15.
Dress. I. Gottlieb. 126,604; Apr. 15.
Dress. M. E. Hamburger. 126,654; Apr. 15.
Dress. A. Henry. 126,607; Apr. 15.
Dress. N. Jones. 126,585; Apr. 15.
Dress. L. Katz. 126,655–6; Apr. 15.
Dress. J. Marchesa. 126,658; Apr. 15.
Dress. M. Marve. 126,685; Apr. 15.
Dress. C. Miller. 126,613; Apr. 15.
Dress. O. C. Nadel. 126,686–9; Apr. 15.
Dress. C. Potter. 126,667; Apr. 15.
Dress. K. Rost. 126,669; Apr. 15.
Dress. K. Rost. 126,690–7; Apr. 15.
Dress. E. Selgenfeld. 126,671–2; Apr. 15.
Dress. K. Stark. 126,673–4; Apr. 15.
Dress ensemble. W. Bass. 126,596; Apr. 15.
Dress ensemble. E. Breer. 126,679; Apr. 15.
Dress ensemble. E. Cutler. 126,600; Apr. 15.
Dress ensemble. E. Cutler. 126,646; Apr. 15.
Dress ensemble. P. Fracchia. 126,683; Apr. 15.
Dress ensemble. E. Freeman. 126,684; Apr. 15.
Dress ensemble. I. Grobstein. 126,605; Apr. 15.
Dress ensemble. M. Hobgood. 126,608; Apr. 15.
Dress ensemble. G. Montell. 126,614–8; Apr. 15.
Dress ensemble. G. Montell. 126,660; Apr. 15.
Dress ensemble. O. C. Nadel. 126,661–2; Apr. 15.
Dress ensemble. S. Novak. 126,664–6; Apr. 15.
Dress ensemble. S. Novak. 126,690–5; Apr. 15.
Doll, Sachet puff. B. Levitt and L. Aronson. 126,589; Apr. 15.
Door pull or the like. E. Borchers. 126,551; Apr. 15.
Fabric, Textile. R. Faller. 126,552–3; Apr. 15.
Fabric, Textile. R. Faller. 126,602; Apr. 15.
Fabric, Textile. A. Salzenstein. 126,642; Apr. 15.
Flashlight. C. P. Delbel. 126,576; Apr. 15.
Flashlight head. C. P. Delbel. 126,574; Apr. 15.
Food mixer. A. Lenning. 126,657; Apr. 15.
Game board. H. M. Fallett. 126,570; Apr. 15.
Game board. W. F. Otte. 126,560; Apr. 15.
Handbag. H. Green. 126,583; Apr. 15.
Hat. M. J. Marks. 126,629; Apr. 15.
Hinge. E. Borchers. 126,565–6; Apr. 15.
Indicator device. J. Lewis. 126,557; Apr. 15.
Lamp base. G. Marcin and M. R. Silverman. 126,591; Apr. 15.
Lamp, Electric. R. A. Rogers. 126,592; Apr. 15.
Lamp or like article. S. Goodman. 126,582; Apr. 15.
Lens and head for flashlights, Combined. C. P. Delbel. 126,575; Apr. 15.
Lift or the like, Sash. E. Borchers. 126,567; Apr. 15.
Opener, Receptacle. H. Erxleben. 126,577; Apr. 15.
Pencil, ruler, and level, Combination. M. Gurtov. 126,555; Apr. 15.
Pin or similar article. J. J. Poland. 126,635; Apr. 15.
Pin ornament or similar article. M. Boucher. 126,621; Apr. 15.
Power plant, Turbine auxiliary. N. C. Price. 126,636; Apr. 15.
Receptacle, Electrical outlet. J. W. Lewin. 126,590; Apr. 15.
Roaster. J. C. Fletcher. 126,554; Apr. 15.
Roaster for nuts, coffee or the like. A. S. White. 126,563; Apr. 15.
Seamstress articles, Packaged set of. E. D. Pennington. 126,631; Apr. 15.
Shoe. G. K. Guinaburg. 126,623–4; Apr. 15.
Shoe or similar article. F. Joyce. 126,609; Apr. 15.
Shoe sole. J. E. Cox and W. E. Kavenagh. 126,598–9; Apr. 15.
Signal or similar article, Direction. L. and B. Lapidus. 126,587; Apr. 15.
Signal, Traffic. M. Hauser. 126,584; Apr. 15.
Stand for supporting or holding miscellaneous articles, Lawn. A. B. Tenney. 126,561; Apr. 15.
Stand or similar article, Calendar. C. N. Montayne. 126,568–9; Apr. 15.
Suit. V. Gray. 126,653; Apr. 15.
Suit. R. Staehle. 126,675; Apr. 15.
Suit. H. Zuckerman. 126,678; Apr. 15.
Temple member for spectacles or similar articles. E. Reynolds. 126,638; Apr. 15.
Tray. R. M. Schuetz. 126,594; Apr. 15.
Tricycle, Motor. E. A. Niblack. 126,663; Apr. 15.
Trimming or similar article, Embroidered lace. R. Koenig. 126,556; Apr. 15.
Truck body. C. H. Tuke. 126,645; Apr. 15.
Tub, Bath. C. H. Widman. 126,676–7; Apr. 15.
Valve manipulating implement, Tire. F. R. Burlingame. 126,572; Apr. 15.
Vehicle. E. T. Menard. 126,659; Apr. 15.
Vehicle or the like, Motor. C. P. Strong. 126,643; Apr. 15.
Washing machine. A. H. Gerhardt. 126,603; Apr. 15.
Watch. M. Didisheim. 126,622; Apr. 15.
Watch, Lapel. D. Taylor. 126,644; Apr. 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adhesive composition. H. F. and J. V. Bauer, and D. M. Hawley. 2,238,767; Apr. 15.
Adjustable cover. H. S. Shapiro. 2,238,710; Apr. 15.
Adjustable tool holder. R. Bruening. 2,238,675; Apr. 15.
Adjusting means for telescopes. A. Langsner. 2,238,118; Apr. 15.
Aerator. N. Olkl. 2,238,281; Apr. 15.
Aerial system, Directional. J. M. Furnival, B. J. Witt, and C. S. Cockerell. 2,238,107; Apr. 15.
Agitation and aeration apparatus. S. Tucker. 2,238,139; Apr. 15.
Air admission device, Auxiliary. C. R. Morton. 2,238,565; Apr. 15.
Air circulator for heating units and the like. E. G. and R. J. Siegler. 2,238,345; Apr. 15.
Air conditioning system. G. D. Guler. 2,238,688; Apr. 15.
Air conditioning system. J. S. Locke. 2,238,689; Apr. 15.
Air conditioning unit, Automobile undersent. H. J. Findley. 2,238,585; Apr. 15.
Air filter, Automatic automotive. A. Nutting. 2,238,280; Apr. 15.
Alarm apparatus. R. E. Chapel. 2,238,246; Apr. 15.
Alcohols of the acetylene series, Production of dihydric. E. Keyssner and E. Eichler. 2,238,471; Apr. 15.
Alloy: *See*—
Bearing alloy. Copper base alloy.
Amides with monovinyl acetylenes, Polymeric reaction product of. H. B. Dykstra and R. A. Jacobson. 2,238,682; Apr. 15.
Amines, Preparing secondary. A. F. Hardman. 2,238,320; Apr. 15.
Amplifier circuit organization with means to compensate nonlinear distortions. W. von Werthier and G. Kalckhoff. 2,238,457; Apr. 15.
Amplifier, Ultra short wave. E. Rahn. 2,238,287; Apr. 15.
Amplifying device. W. Hagen. 2,238,259; Apr. 15.
Amplitude motion, Method and apparatus for producing constant. D. A. Kelly. 2,238,116; Apr. 15.
Antenna for radio beacons, Reflecting. W. Knutter. 2,238,268; Apr. 15.
Antenna, Radio. M. A. Schwartz. 2,238,135; Apr. 15.
Antenna system, Ultra high frequency. G. H. Brown and R. F. Lewis. 2,238,245; Apr. 15.
Antiskid devices, Manufacturing. E. Eger. 2,238,216; Apr. 15.
Apparatus for and method of forming cushion construction. A. H. Haberstump. 2,238,773; Apr. 15.
Apparatus for and method of homogenizing molten glass in forehearths or like structures. D. W. Mueller. 2,238,800; Apr. 15.
Apparatus for applying adhesive to wax coated paper. H. E. Hallman. 2,238,695; Apr. 15.
Apparatus for coating articles such as wires with liquid coating compositions. A. Alexay. 2,238,575; Apr. 15.
Apparatus for coating wires and the like. E. J. Flynn. 2,238,687; Apr. 15.
Apparatus for dosing liquids and gases. G. Ornstein. 2,238,747; Apr. 15.
Apparatus for handling package carriers. H. S. Drum, W. C. Dodson, and W. H. Jaxheimer. 2,238,633; Apr. 15.
Apparatus for manufacture of carbide. R. M. Chatterton. 2,238,516; Apr. 15.
Apparatus for polymerization. C. M. Fields. 2,238,443; Apr. 15.
Apparatus for preheating moldable thermosetting compositions. A. P. Summerfield. 2,238,378; Apr. 15.
Apparatus for preventing or diminishing sound transmission. W. Genest. 2,238,167; Apr. 15.
Apparatus for printing ornamental designs on cloth. G. E. Senseney. 2,238,479; Apr. 15.
Apparatus for producing cops. W. Reiners and G. Kuhlisch. 2,238,230; Apr. 15.
Apparatus for producing shaped cores. R. C. Walton. 2,238,785; Apr. 15.
Apparatus for purifying casein. H. P. Fell. 2,238,690; Apr. 15.
Apparatus for putting phonograph records in order after use. T. Tsurukichi. 2,238,612; Apr. 15.
Apparatus for separating metals and alloys. W. B. Cohen. 2,238,155; Apr. 15.
Apparatus for simultaneously closing core wires and rope strands into finished rope. G. E. McDonald. 2,238,496; Apr. 15.
Apparatus for the direct recovery from ores of heavy metals of the nonferrous group. J. Lohse. 2,238,815; Apr. 15.
Apparatus for tilting bulldozer blades. H. Sorensen. 2,238,346; Apr. 15.
Apparatus for transporting caskets and the like. A. C. Saxton. 2,238,569; Apr. 15.
Apparatus for treating liquids containing bacteria and spores. C. E. Rogers. 2,238,373; Apr. 15.
Apparatus for treating strip steel. C. C. Wales. 2,238,667; Apr. 15.
Arbor, Reel. C. O. Bruestle. 2,238,460; Apr. 15.
Aromatic ring systems, Intramolecular dehydrogenation of. E. Moergeli, K. Krauer, and M. Bommer. 2,238,180; Apr. 15.
Article delivery machine. B. W. Fry. 2,238,725; Apr. 15.
Article hanger. M. A. Wilhelm and W. E. Shorter. 2,238,459; Apr. 15.
Articles, Method and apparatus for producing dipped. N. E. Tillotson. 2,238,833; Apr. 15.
Articles, Producing transparent. C. A. Cabell. 2,238,579; Apr. 15.
Atomizer. G. R. Ford, Jr., and G. White. 2,238,315; Apr. 15.
Attachment for revolving firearms. A. F. Gaidos. 2,238,587; Apr. 15.
Automatic hunting circuit. L. Kozma. 2,238,223; Apr. 15.
Azo compound and material colored therewith. J. B. Dickey and J. G. McNally. 2,238,485; Apr. 15.
Azo compounds and material colored therewith. J. B. Dickey and J. R. Byers, Jr. 2,238,486; Apr. 15.
Azine compounds and material colored therewith. J. B. Dickey and J. G. McNally. 2,238,487; Apr. 15.
Bag. H. A. Enrich. 2,238,217; Apr. 15.
Bait, Artificial fish. W. A. Sabin. 2,238,604; Apr. 15.
Ball-covering machine. A. F. Larabee. 2,238,119; Apr. 15.
Band width, Arrangement for variable adjustment of. J. Winkler. 2,238,763; Apr. 15.
Base supporting an upright member. A. R. Russell. 2,238,708; Apr. 15.
Battery, Dry cell. A. E. Spicer. 2,238,376; Apr. 15.
Bearing alloy. A. Schluchter. 2,238,399; Apr. 15.
Bearing structure. J. P. Norton. 2,238,426; Apr. 15.
Bearing structure. J. W. Watson. 2,238,197; Apr. 15.
Belt connector, Separable. M. Castro. 2,238,789; Apr. 15.
Belt, Sectionalized V. G. F. De Wein. 2,238,430; Apr. 15.
Beryllium compounds, starting from ores containing beryllium, Obtaining soluble. C. Adamoli. 2,238,206; Apr. 15.
Bifold door. D. H. Morgan. 2,238,181; Apr. 15.
Billet scalping machine. A. Oberhoffken. 2,238,434; Apr. 15.
Bit: *See*—
Rotary drill bit.
Blind made of paper or similar material, Glareproof. V. W. Marcin. 2,238,422; Apr. 15.
Blocks, Making hollow glass building. H. H. Blau. 2,238,153; Apr. 15.
Blowpipe. W. J. Jacobsson and S. R. Oldham. 2,238,470; Apr. 15.
Blueprint coating. R. B. Barnes, G. P. Ham, and L. P. Moore. 2,238,301; Apr. 15.
Bodies, Locating concealed. D. H. Nelson and W. D. Buckingham. 2,238,072; Apr. 15.
Bodies, Testing conductive. T. Zuschlag. 2,238,091; Apr. 15.
Bolt, Interlocking. E. Lindgren. 2,238,226; Apr. 15.
Bolt testing device, Stay. G. R. Greenslade. 2,238,092; Apr. 15.
Bottle drier. B. G. Copping. 2,238,554; Apr. 15.
Bottle, Vacuum. C. O. Duevel, Jr. 2,238,721; Apr. 15.
Bow mill. H. G. Lykken. 2,238,743; Apr. 15.
Box. L. D. Young. 2,238,147; Apr. 15.
Box for steam locomotives, Smoke. O. Jabelmann and L. K. Botteron. 2,238,057; Apr. 15.
Bracket: *See*—
Curtain rod bracket.
Brake. G. R. G. Gates. 2,238,361; Apr. 15.
Brake. A. C. Mathieson. 2,238,124; Apr. 15.
Brake head and mounting therefor. C. R. Busch. 2,238,100; Apr. 15.
Brake mechanism. J. A. Shafer. 2,238,452; Apr. 15.
Brake rigging. E. G. Mueller. 2,238,744; Apr. 15.
Brick unit, Multiple. N. L. Aberson. 2,238,787; Apr. 15.
Broadcast switching system. P. B. Murphy. 2,238,070; Apr. 15.
Broom. I. M. Wells. 2,238,716; Apr. 15.
Brush assembly and protective housing therefor, Unitary. W. M. Quigley and E. S. Tavlerson. 2,238,075; Apr. 15.
Building construction. K. R. Weeks and W. S. Armstrong. 2,238,514; Apr. 15.

Building construction, Prefabricated. J. C. Hain. 2,238,111; Apr. 15.
Bulbs and the like for alkali metal attack, Protection of metal vapor lamp. E. Lemmers and R. W. Goodwin. 2,238,777; Apr. 15.
Bulkhead for refrigerator cars, Convertible. J. S. Lundvall. 2,238,700; Apr. 15.
Burglarproof latch. J. D. Kitchens. 2,238,812; Apr. 15.
Burner: *See*—
Oil burner.
Burner. F. H. Wells and K. P. Brace. 2,238,715; Apr. 15.
Bushing, Bearing. W. R. Perry. 2,238,435; Apr. 15.
Cabinet: *See*—
Refrigerated cabinet. Sewing cabinet.
Refrigerator cabinet.
Cabinet for currency, Safety. E. S. Hall. 2,238,112; Apr. 15.
Cable-anchoring device. W. O. Schultz. 2,238,755; Apr. 15.
Cable contact. E. R. Goldfield. 2,238,319; Apr. 15.
Calculating instrument. H. W. Kübler. 2,238,529; Apr. 15.
Calorimetric apparatus. E. X. Schmidt. 2,238,606; Apr. 15.
Camera. V. P. Shelton. 2,238,191; Apr. 15.
Camera, Sound. W. E. Merriman. 2,238,497; Apr. 15.
Can: *See*—
Garbage can.
Can closing machine. J. M. Hothersall. 2,238,056; Apr. 15.
Can tapping tool. T. A. McCoy. 2,238,178; Apr. 15.
Car: *See*—
Railway car
Car body construction. E. H. Piron. 2,238,285; Apr. 15.
Car construction. O. C. Duryea. 2,238,163; Apr. 15.
Carbon oxides into high hydrocarbons, Conversion of. W. Feissl, H. Newelling, and O. Roelen. 2,238,726; Apr. 15.
Carburetor. W. G. McCain. 2,238,333; Apr. 15.
Carcass spreader. A. W. Hartanov. 2,238,321; Apr. 15.
Carcass treatment. B. E. Williams and A. S. Hartanov. 2,238,546; Apr. 15.
Carding device. W. Hollerung and F. Hofmann. 2,238,055; Apr. 15.
Carriage, Baby. E. Hodaly. 2,238,322; Apr. 15.
Carton, Dispensing. S. M. Andrews. 2,238,548; Apr. 15.
Carton ends, Mechanism for closing. C. W. Hartmann. 2,238,388; Apr. 15.
Cartons for tumblers. J. S. Whiley. 2,238,545; Apr. 15.
Cash register. A. R. Colley and J. B. Geers. 2,238,517; Apr. 15.
Cash register. T. Schrimpf. 2,238,508; Apr. 15.
Casting machine. D. H. Garth. 2,238,046; Apr. 15.
Cathode, Oxide coated. J. W. McNall. 2,238,595; Apr. 15.
Cellulose material and neoprene by the addition of fluorides and products resulting therefrom, Stabilizing composite articles of. H. W. Walker. 2,238,141; Apr. 15.
Cellulose, Nitration of. W. H. F. Fravel. 2,238,444; Apr. 15.
Cement articles, Coloring. A. Hloch. 2,238,858; Apr. 15.
Cement products, Preparing. J. A. Sourwine. 2,238,540; Apr. 15.
Chain control mechanism, Pattern. F. R. Page. 2,238,820; Apr. 15.
Chair: *See*—
Folding chair. Wheeled chair.
Changeable sign. C. E. Marks, Jr., and J. M. Davidson. 2,238,177; Apr. 15.
Channel repeater system, Multiplex. A. F. Connery. 2,238,248; Apr. 15.
Cigarette light extinguisher. S. A. Owen and A. B. Stewart. 2,238,503; Apr. 15.
Cigarette package and match book attachment therefor. H. Rothar. 2,238,568; Apr. 15.
Circuit: *See*—
Automatic hunting circuit.
Circuit breaker. D. C. Prince. 2,238,567; Apr. 15.
Circuit for unit tabulating machines, Selective control. E. A. Nelson. 2,238,873; Apr. 15.
Circular weaving loom. H. Pelcé and A. Bés, and A. Tizzoni. 2,238,658; Apr. 15.
Clamp: *See*—
Work holding clamp.
Clamp and connector, Wire or rod. L. Frank. 2,238,386; Apr. 15.
Clamp fitting. M. P. Laurent. 2,238,742; Apr. 15.
Cleaner: *See*—
Wall cleaner.
Cleaning and massaging device. V. Spagnolo. 2,238,541; Apr. 15.
Cleaning machine. A. J. Dunel and E. Van Cura. 2,238,720; Apr. 15.
Clip: *See*—
Set-up clip.
Clip spot cord retainer. A. A. Gordon, 3rd, and A. Palmer. 2,238,520; Apr. 15.
Closure and electrode for neon tubes, Combination tube. M. Miller. 2,238,277; Apr. 15.
Closure for jars or similar containers. F. J. Fison. 2,238,105; Apr. 15.
Closure for liquid receptacles. L. Sanchez. 2,238,188; Apr. 15.
Coating composition, Liquid. C. K. Black. 2,238,243; Apr. 15.
Coating composition values, Special. J. H. Rollins and W. E. Hatch. 2,238,783; Apr. 15.
Color matching device. H. W. Battle, Jr. 2,238,674; Apr. 15.
Color reproduction, Photomechanical. J. A. C. Yule. 2,238,483; Apr. 15.
Coloring device. G. D. Roberts. 2,238,866; Apr. 15.
Comb-brush. G. D. Runnels. 2,238,603; Apr. 15.
Compensator for gyromagnetic compasses. L. F. Carter. 2,238,867; Apr. 15.
Composition for coating metal being formed. H. R. Hurd. 2,238,738; Apr. 15.
Composition of matter. W. E. Kleinicke. 2,238,776; Apr. 15.
Concentrator. H. W. Paulus. 2,238,130; Apr. 15.
Concrete mixing plant. A. W. Rybeck and R. M. Hoya. 2,238,343; Apr. 15.
Concrete placer. R. C. Hackley. 2,238,051; Apr. 15.
Condensation derivative of rubber. T. C. Morris. 2,238,336; Apr. 15.
Condenser and making same. J. B. Brennan. 2,238,031; Apr. 15.
Connection, Drive. F. F. Kishline. 2,238,649; Apr. 15.
Connection, Pipe. H. B. Heyn and F. G. Boschke. 2,238,169; Apr. 15.
Connector: *See*—
Belt connector. Neon tube connector.
Connector. R. G. Goodyear. 2,238,561; Apr. 15.
Container: *See*—
Destructible container.
Container. J. T. Wilson. 2,238,209; Apr. 15.
Container closure. G. L. Dorough. 2,238,681; Apr. 15.
Containers, Making. W. Engel and H. A. Reinhardt. 2,238,256; Apr. 15.
Control mechanism for machines. F. E. Munschauer. 2,238,538; Apr. 15.
Control system. D. E. Chambers. 2,238,623; Apr. 15.
Control system for dynamoelectric machines. R. H. Wright. 2,238,406; Apr. 15.
Control system for reproducing machines. E. J. Cook. 2,238,717; Apr. 15.
Control valve. E. A. Berglund and J. H. Drennen. 2,238,768; Apr. 15.
Controlling device. A. J. Stock. 2,238,296; Apr. 15.
Controlling means for reversing gears. W. M. W. Thomas and H. Snook. 2,238,574; Apr. 15.
Conveyer. C. W. McAdams. 2,238,655; Apr. 15.
Cooker, Meat. H. F. Cramer. 2,238,309; Apr. 15.
Cooker, Sausage. J. W. Illerek. 2,238,549; Apr. 15.
Cooler: *See*—
Oil cooler. Rotary cooler.
Refrigerator, display case, and meat cooler.
Cooler and dispenser, Beverage. A. J. Stephens. 2,238,193; Apr. 15.
Coop, Foldable chicken. C. A. Brewster. 2,238,676; Apr. 15.
Co-polymers of convertible esters. T. F. Bradley. 2,238,030; Apr. 15.
Copper base alloy. J. M. Kelly. 2,238,592; Apr. 15.
Copyholder mechanism. H. C. Welter. 2,238,354; Apr. 15.
Cord holder. D. H. Flocker. 2,238,258; Apr. 15.
Cords and twisted threads, Manufacture of twisted. G. R. Lewis. 2,238,176; Apr. 15.
Core barrel, Pressure. B. W. Sewell. 2,238,609; Apr. 15.
Core box vent plug. W. O. Riemacker. 2,238,506; Apr. 15.
Corn, Sizing. O. W. Steele and L. J. Pfister. 2,238,454; Apr. 15.
Corrosion, Inhibition of. F. G. Keenen. 2,238,651; Apr. 15.
Couch, Extensible. E. E. Woller. 2,238,765; Apr. 15.
Couch, Studio. H. Halleran. 2,238,729; Apr. 15.
Coupling: *See*—
Resilient shaft coupling.
Coupling. A. Y. Dodge. 2,238,583; Apr. 15.
Cover: *See*—
Adjustable cover. Expansible cover.
Cover for dining room chairs. F. E. Katzner. 2,238,795; Apr. 15.
Cover for flush tanks, Adjustable. J. Levine. 2,238,699; Apr. 15.
Covering for shoes, Protective. J. Michelman. 2,238,536; Apr. 15.
Crate. J. A. Christensen. 2,238,484; Apr. 15.
Crate construction, Bottle. D. E. Priest. 2,238,822; Apr. 15.
Cream separator. H. A. Kisner. 2,238,650; Apr. 15.
Cultivator. C. G. Strandlund. 2,238,350; Apr. 15.
Cupola, Water cooled. J. K. Clutts. 2,238,036; Apr. 15.
Curb feeler for automobiles. B. D. Braswell. 2,238,300; Apr. 15.
Current impulse transformer. V. T. Paré. 2,238,185; Apr. 15.
Current measuring device, High frequency. H. Wehrlin. 2,238,298; Apr. 15.
Curtain rod bracket. F. W. Richardson. 2,238,288; Apr. 15.
Curtain, Window. J. J. Farley. 2,238,539; Apr. 15.

Cushion, Adjustable spring. H. Hopkes. 2,238,774; Apr. 15.
Cutter: *See*—
Pile fabric cutter. Ring cutter.
Cutter control means, Bias. R. J. Beitman. 2,238,303; Apr. 15.
Cutter grinding method. C. E. Kraus. 2,238,064; Apr. 15.
Cutting tool. A. P. D. Belanger. 2,238,304; Apr. 15.
Cylinder treating machine. H. E. Somes. 2,238,082; Apr. 15.
Damper motor. J. E. Dube. 2,238,807; Apr. 15.
Damping device for musical instruments. N. Abrams. 2,238,241; Apr. 15.
Dental articulator with offset pivotal connection for the holders. V. Bloom and B. Siegel. 2,238,551; Apr. 15.
Desizing agent. W. Neugebauer. 2,238,862; Apr. 15.
Desk, Lecture and projection. D. Katz. 2,238,267; Apr. 15.
Destructible container. J. C. Peppers. 2,238,821; Apr. 15.
Device for automatic leveling up of pieces of material. E. Melzer, H. Siegmund, and G. Kaleb. 2,238,656; Apr. 15.
Device for contrasting chromatic colors. J. P. Gaugler. 2,238,316; Apr. 15.
Device for facilitating the administration of subcutaneous hypodermic injections. J. R. Hollingsworth. 2,238,323; Apr. 15.
Device for preventing overheating in cinema projection apparatus. A. D. Derossi. 2,238,159; Apr. 15.
Device for silencing the flow of water in conduits. M. Yavitch. 2,238,146; Apr. 15.
Device for the production of sound vibrations of definite frequency by means of a pipe or whistle. R. Wellenstein. 2,238,668; Apr. 15.
Die set. E. A. Baumbach. 2,238,302; Apr. 15.
Dies, Making pulp molding. E. L. Shepard. 2,238,853; Apr. 15.
Dipper, Cone. A. C. Aquara and A. W. Visnansky. 2,238,150; Apr. 15.
Dishwasher. J. B. Fullerton. 2,238,044; Apr. 15.
Dispenser: *See*—
Drinking straw dispenser. Soap lather dispenser.
Distributor head for dehydrators. J. M. Hall. 2,238,364; Apr. 15.
Diving apparatus. I. H. Vestrem. 2,238,759; Apr. 15.
Doll and the like, Bank. A. M. Chettle. 2,238,308; Apr. 15.
Door: *See*—
Blfold door. Self-sealing door.
Door handle. F. A. Ward. 2,238,513; Apr. 15.
Door latch. V. W. Erickson. 2,238,414; Apr. 15.
Door latching mechanism. C. M. Johnson. 2,238,266; Apr. 15.
Door lock. A. F. Mantz. 2,238,066; Apr. 15.
Draft attachment for railway cars. G. T. Johnson and H. H. Wolfe. 2,238,171; Apr. 15.
Draft gear. D. F. Sproul. 2,238,083; Apr. 15.
Draft gear, Reconditionable. J. P. Gallagher. 2,238,220; Apr. 15.
Drawer, Filing. R. R. West. 2,238,088; Apr. 15.
Drier: *See*—
Bottle drier.
Drinking straw dispenser. E. C. Arnold. 2,238,845; Apr. 15.
Drive for typewriting machines, Ribbon spool. D. Dieck. 2,238,518; Apr. 15.
Driving mechanism, Motor vehicle. A. M. Wolf. 2,238,615–16; Apr. 15.
Duplicating machine. R. J. Copeland and E. J. Bloore. 2,238,359; Apr. 15.
Dyeing process. L. O. Scott. 2,238,400; Apr. 15.
Dyes, Chromable triaryl-methane. W. Eckert, K. Schilling, and P. Hofmann. 2,238,215; Apr. 15.
Dyestuff composition. N. S. Cassel. 2,238,855; Apr. 15.
Dyestuffs, Anthraquinone-benzacridone vat. W. Bauer and B. Bollweg. 2,238,209; Apr. 15.
Dyestuffs, Cyanine. O. Riester and G. Wilmanns. 2,238,231; Apr. 15.
Easel, Adjustable show card. H. Farr and J. Wilson. 2,238,415; Apr. 15.
Elastic fabric. S. Weintraub and J. A. Martin. 2,238,353; Apr. 15.
Electric conductors in aircraft, Supporting. E. Nöthe. 2,238,532; Apr. 15.
Electric connector plug. J. Travers. 2,238,834; Apr. 15.
Electric control system. F. E. Crever. 2,238,810; Apr. 15.
Electric discharge device. W. J. Scott, J. T. Anderson, and R. S. Wells. 2,238,784; Apr. 15.
Electric furnace, High-temperature. J. D. Hanawalt, C. E. Nelson, and J. S. Penke. 2,238,793; Apr. 15.
Electric furnace, Rotating hearth. A. A. MacPhail. 2,238,799; Apr. 15.
Electric indicating device. E. Müller. 2,238,279; Apr. 15.
Electric lamp, Flexible mount incandescent. A. L. Powell. 2,238,598; Apr. 15.
Electric plug. E. P. Brus. 2,238,099; Apr. 15.
Electric power transmission and distribution system. A. R. Locke. 2,238,065; Apr. 15.
Electric propulsion plant, Marine Diesel. H. H. Curry. 2,238,627; Apr. 15.
Electric regulating system. F. E. Crever. 2,238,811; Apr. 15.
Electric switch. A. Blain. 2,238,097; Apr. 15.
Electric switch. V. T. Paré. 2,238,184; Apr. 15.
Electrical coil. B. Lazich. 2,238,740; Apr. 15.
Electrical conductors or radiators, High frequency. A. D. Blumlein. 2,238,770; Apr. 15.
Electrical control system. H. W. Williams and D. Santini. 2,238,614; Apr. 15.
Electrical network. A. Alford. 2,238,438; Apr. 15.
Electrical oscillations, Production of high frequency. H. Bertele von Grenadenberg. 2,238,712; Apr. 15.
Electrical recordings, Projecting. H. Strübig and R. Colberg. 2,238,137; Apr. 15.
Electrical signal generator. G. Wikkenhauser and A. F. H. Thomson. 2,238,089; Apr. 15.
Electrode, Bronze welding. M. A. Matush. 2,238,392; Apr. 15.
Electron multiplier. W. Flechsig. 2,238,634; Apr. 15.
Electron multiplier. H. Schnitger. 2,238,607; Apr. 15.
Electron tube. F. Herriger. 2,238,264; Apr. 15.
Embalming instrument. W. H. Jacques. 2,238,563; Apr. 15.
End protector. H. M. Hicks. 2,238,642–3; Apr. 15.
Engine: *See*—
Internal combustion engine.
Engine. A. J. Meyer. 2,238,276; Apr. 15.
Esters and making same, Mixed capric-caprylic. E. F. Drew. 2,238,442; Apr. 15.
Esters and making same, Mixed Lauric-myristic. E. F. Drew. 2,238,441; Apr. 15.
Ethers of cellulose, Production of alkyl. C. F. Wells. 2,238,714; Apr. 15.
Excavator tooth. W. E. Soberanes. 2,238,081; Apr. 15.
Exerciser. H. W. Snyder. 2,238,295; Apr. 15.
Expansible cover. C. R. Johnson and R. C. Pierce. 2,238,058; Apr. 15.
Exposure mechanism for shutters, Automatic. J. Mihalyi. 2,238,501; Apr. 15.
Eyes, Testing. A. Ames, Jr., and H. A. Imus. 2,238,207; Apr. 15.
Fabric: *See*—
Elastic fabric.
Fabric. H. Bradshaw. 2,238,098; Apr. 15.
Fabric napping machine. H. Fleisher. 2,238,560; Apr. 15.
Facsimile system, Multiplex. C. W. Hansell. 2,238,052; Apr. 15.
Fan blade. J. E. Peltier. 2,238,749; Apr. 15.
Fastener: *See*—
Molding fastener. Slide fastener.
Rug fastener.
Fastener member. F. E. Johnson. 2,238,848; Apr. 15.
Fastening device. F. G. Purinton. 2,238,865; Apr. 15.
Fastening device, Detachable. G. Wagstaff. 2,238,854; Apr. 15.
Fastening device, particularly rivets. W. Dubiller. 2,238,463; Apr. 15.
Fault indicating means. E. O. Schweitzer. 2,238,570; Apr. 15.
Feed for planograph and analogous presses, Water. J. G. Goedike. 2,238,050; Apr. 15.
Feeder: *See*—
Hog feeder.
Feedwater heater. J. F. Sebald. 2,238,572; Apr. 15.
Fence, Snow. C. Fredrickson. 2,238,417; Apr. 15.
Ferrochromium, Production of. P. H. Royster. 2,238,078; Apr. 15.
Ferrous metal powders and formation of articles by sintering, Formation of. A. L. Boegehold. 2,238,382; Apr. 15.
Fiber drawing mechanism and process. W. G. Reynolds. 2,238,659; Apr. 15.
Filling contrivance for charging lorries of coke ovens. B. Willeke. 2,238,200; Apr. 15.
Film holding appliance. C. S. Bassin. 2,238,358; Apr. 15.
Film magazine. A. R. de Tartas. 2,238,719; Apr. 15.
Film reel. K. Sano. 2,238,189; Apr. 15.
Filter: *See*—
Air filter.
Filter arrangement, Electric. W. Hagen. 2,238,260; Apr. 15.
Filter loader, Air. V. Dahlman. 2,238,251; Apr. 15.
Finishing machine for cylindrical surfaces, Surface. D. A. Wallace. 2,238,761; Apr. 15.
Fire extinguisher. E. Geertz. 2,238,693; Apr. 15.
Fire extinguisher discharge device. H. Ensminger. 2,238,686; Apr. 15.
Fire extinguishing apparatus. P. A. Stover. 2,238,349; Apr. 15.
Fish lure. E. C. Schavey. 2,238,292; Apr. 15.
Fishing lure. A. H. Thoren. 2,238,832; Apr. 15.
Fishing rod support. L. F. Nissen. 2,238,127; Apr. 15.
Fittings, Method and apparatus for producing lateral-provided. E. S. Cornell, Jr. 2,238,212; Apr. 15.
Fittings, Producing lateral-provided. E. S. Cornell, Jr. 2,238,038; Apr. 15.
Flash bulb firing mechanism for cameras. H. Small. 2,238,453; Apr. 15.
Flash lamp. C. Reiter and H. J. Helwig. 2,238,780; Apr. 15.
Flashlight operating device. E. L. Johnson. 2,238,115; Apr. 15.
Flowerpot. H. T. Ritter. 2,238,132; Apr. 15.

Fluid pressure feed and rapid traverse system of transmission of power. C. M. Kendrick. 2,238,060; Apr. 15.
Fluid pressure system and valve mechanism therefor. C. M. Kendrick. 2,238,063; Apr. 15.
Fluorine compounds, Aromatic. W. J. Balon and J. M. Tinker. 2,238,242; Apr. 15.
Fluorspar from ores thereof, Recovery of. N. L. Shepard. 2,238,662; Apr. 15.
Fly control method and apparatus. G. C. Mather and R. S. Lingard. 2,238,872; Apr. 15.
Fog inhibitor for photographic material, Yellow. F. Dersch and N. Helmbach. 2,238,631-2; Apr. 15.
Folder, Mailing. H. J. Hayden. 2,238,468; Apr. 15.
Folding chair. E. B. Morgan and R. G. Moore. 2,238,817; Apr. 15.
Folio, Multiple march. G. L. Lyman. 2,238,332; Apr. 15.
Foot balancing means. C. P. Leydecker. 2,238,366; Apr. 15.
Footwear. E. A. Brown. 2,238,804; Apr. 15.
Footage indicator for film handling apparatus. O. Wittel. 2,238,482; Apr. 15.
Force pump. H. Le R. Gage. 2,238,692; Apr. 15.
Form, Metal brick. M. Rothbart. 2,238,871; Apr. 15.
Fountain, Portable drinking. H. E. Brandt. 2,238,093; Apr. 15.
Frequency modulator, Ultra high. W. R. Koch. 2,238,117; Apr. 15.
Frame: *See*—
Window frame.
Froth flotation process. W. T. Bishop. 2,238,439; Apr. 15.
Fruit juicer. G. W. Scott. 2,238,571; Apr. 15.
Fuel, Diesel engine. M. L. Chappell. 2,238,353; Apr. 15.
Fuel, Manufacture of motor. L. C. Kemp. 2,238,860; Apr. 15.
Furnace: *See*—
Electric furnace. Hot air furnace.
Furnace. S. Kichline. 2,238,526; Apr. 15.
Furnace, Charging a high-temperature vacuum. J. D. Hannawalt and C. E. Nelson. 2,238,792; Apr. 15.
Furnace wall structure. M. Liptak. 2,238,122; Apr. 15.
Furniture leg shoe. R. E. Miller. 2,238,705; Apr. 15.
Game. J. K. McIver and C. Joy. 2,238,703; Apr. 15.
Game. J. G. Schoonderwoerd and J. R. Houtman. 2,238,829; Apr. 15.
Game. T. R. Waring. 2,238,713; Apr. 15.
Game, Indoor. L. G. Schelb. 2,238,079; Apr. 15.
Garbage can. C. W. Smith. 2,238,830; Apr. 15.
Garment bagging device. J. L. Timm, C. A. Normington and K. L. Stuven. 2,238,297; Apr. 15.
Garment hanger. A. W. Drake. 2,238,519; Apr. 15.
Gas mixtures containing acetylene, Treatment of. R. L. Hasche. 2,238,490; Apr. 15.
Gases, Purifying toilet. J. W. Carman. 2,238,461; Apr. 15.
Gauge for automobiles, Electric dashboard. N. Nazar. 2,238,071; Apr. 15.
Gauge for spacing holes, Internal. S. W. Bath. 2,238,515; Apr. 15.
Gauging device for complex curved surfaces. J. A. Roche. 2,238,782; Apr. 15.
Gear: *See*—
Draft gear.
Gearing, Change-speed transmission. C. D. Peterson. 2,238,370; Apr. 15.
Generator: *See*—
Electrical signal gener- Steam generator.
ator.
Generators, Self-excitation of alternating current. J. Tittel. 2,238,611; Apr. 15.
Gland boss, Stuffing. J. V. Schraig. 2,238,709; Apr. 15.
Glass distilling head. E. F. Kelm. 2,238,174; Apr. 15.
Glass, Method and apparatus for the production of fine filaments of. W. J. Woods. 2,238,204; Apr. 15.
Glow relay tube, Photosensitive. P. W. Blackburn. 2,238,620; Apr. 15.
Governor control for power plants. G. Heinish. 2,238,794; Apr. 15.
Grader, Truck. J. H. Kerber. 2,238,389; Apr. 15.
Graphic demand meter. G. W. Rosenberger. 2,238,602; Apr. 15.
Grinder, Portable hand tool electric motor driven. N. Chayes. 2,238,440; Apr. 15.
Grinding machine, Surface. P. Y. Miller. 2,238,704; Apr. 15.
Grinding wheel. E. Van der Pyl. 2,238,351; Apr. 15.
Gripping attachment for typewriters, Auxiliary. S. E. View and L. Steirer. 2,238,352; Apr. 15.
Guard for mowers. C. M. Branch. 2,238,305; Apr. 15.
Guard, Highway. H. F. Elliott. 2,238,683; Apr. 15.
Guard, Highway. S. A. Holst. 2,238,523; Apr. 15.
Gun barrel. R. Antona Traversi, and G. Pegna. 2,238,670; Apr. 15.
Gun, Harpoon. P. J. Pearson. 2,238,504; Apr. 15.
Gun, Pneumatic amusement machine. C. A. Feltman. 2,238,384; Apr. 15.
Gun, Spray. G. Gustafson. 2,238,521; Apr. 15.
Hair, Reducing or removing wave curl or frizziness from. E. Wheatley. 2,238,544; Apr. 15.
Halides and fusible silicates, Process and apparatus for production of anhydrous. D. Krucoff. 2,238,421; Apr. 15.
Handbag. M. C. Demerer. 2,238,213; Apr. 15.
Handle: *See*—
Door handle. Tool handle.
Hanger: *See*—
Article hanger. Trouser hanger.
Garment hanger.
Harvesting and topping machine, Beet. R. P. Colwill. 2,238,247; Apr. 15.
Heat control, Hot water. E. E. Gochter. 2,238,362; Apr. 15.
Heater: *See*—
Feedwater heater.
Heater control, Off-peak water. E. K. Clark. 2,238,624; Apr. 15.
Heater for ranges, Water. B. H. Simpson. 2,238,375; Apr. 15.
Heels by welding, Attaching. G. T. Hart, Jr. 2,238,054; Apr. 15.
High-frequency epilation apparatus. J. E. Schuler and A. H. McClelland. 2,238,344; Apr. 15.
Hinge. A. F. Lickteig. 2,238,530; Apr. 15.
Hinge, Safety. L. S. Grant. 2,238,418; Apr. 15.
Hinged floor rack. R. J. Olander. 2,238,228; Apr. 15.
Hitch, Trailer. O. G. Almcrantz. 2,238,095; Apr. 15.
Hog feeder. J. G. Webber. 2,238,407; Apr. 15.
Hoist control. J. E. Borland. 2,238,622; Apr. 15.
Holder: *See*—
Adjustable tool holder. Tree branch holder.
Cord holder.
Phonographic disk record holder.
Holder and protector, Chart. M. H. Ackert. 2,238,408; Apr. 15.
Holder for knives or the like. H. H. Hopkins. 2,238,324; Apr. 15.
Holder for shade roller brackets. E. A. Tyler. 2,238,196; Apr. 15.
Holder for use in enlarging, Paper. J. W. Gillon. 2,238,049; Apr. 15.
Holder of the propel-repel type, Lipstick. W. T. Parkin. 2,238,368; Apr. 15.
Honing device. H. S. Indge. 2,238,326; Apr. 15.
Horizon, Artificial. E. Horn. 2,238,645; Apr. 15.
Hormonal substance, Purifying gonadotropic. G. F. Cartland. 2,238,868; Apr. 15.
Hot air furnace. R. Jovanovitz. 2,238,172; Apr. 15.
Humidifier. W. G. Macy. 2,238,564; Apr. 15.
Humidifier for heating plants. R. H. Gates. 2,238,108; Apr. 15.
Hydraulic motor. R. J. McQuade. 2,238,424; Apr. 15.
Hydraulic system for machine tools and the like. W. J. Guild. 2,238,110; Apr. 15.
Hydrocarbons, Alkylating. J. A. Altshuler and D. H. Putney. 2,238,802; Apr. 15.
Hydrocarbons, Catalytic treatment of. B. Malisher. 2,238,594; Apr. 15.
Hydrocarbons, Process and apparatus for producing. G. Wirth. 2,238,240; Apr. 15.
Hydrocarbons, Production of. L. Alberts. 2,238,766; Apr. 15.
Hydrocarbons, Synthesizing sulphur-bearing high molecular weight. L. L. Davis, . H. Lincoln, and G. D. Byrkit. 2,238,790; Apr. 15.
Hydrochloride, Heat sealing rubber. T. A. Riehl. 2,238,342; Apr. 15.
Hygroscopic substances, Improving the stability of. E. Aeckerle. 2,238,140; Apr. 15.
Hypodermic injection apparatus, and preparing for and making such injections. C. C. Dickinson and C. F. R. Stowell. 2,238,582; Apr. 15.
Ice block handler. J. W. Wolf. 2,238,764; Apr. 15.
Ice cube cutting machine. F. X. Dotterweich. 2,238,805; Apr. 15.
Image analyzer. J. C. Batchelor. 2,238,381; Apr. 15.
Incinerator, Tandem rotary. W. F. Drew and H. O. Duerr. 2,238,161; Apr. 15.
Indicating instrument. L. de Florez and E. Bach. 2,238,718; Apr. 15.
Indicator: *See*—
Pressure indicator.
Indium, Recovering. C. Zischkau. 2,238,437; Apr. 15.
Inductance. J. E. Johanson. 2,238,420; Apr. 15.
Inhibitor for photographic materials, Yellow fog. F. Dersch and N. Helmbach. 2,238,632; Apr. 15.
Inking machine, Ribbon. V. J. Peaks. 2,238,282; Apr. 15.
Instrument flying device. N. L. Barr. 2,238,029; Apr. 15.
Instrument for course and position plotting. E. B. Sawtelle. 2,238,190; Apr. 15.
Insulator press. W. C. Weber. 2,238,198; Apr. 15.
Intercommunication system. R. Helmert. 2,238,263; Apr. 15.
Internal combustion engine. L. R. Spencer. 2,238,404; Apr. 15.
Isoalloxazines and manufacture thereof. R. Kuhn, F. Weygand, and A. H. Cook. 2,238,874; Apr. 15.
Jackknife switch. F. C. De Reamer. 2,238,630; Apr. 15.
Jig, Mineral. H. W. Moir. 2,238,338; Apr. 15.
Joint: *See*—
Pipe joint. Tool joint.
Rail joint. Universal joint.
Ketals, Preparation of polyvinyl. S. C. Overbaugh. 2,238,447; Apr. 15.
Kitchen implement. N. Morris. 2,238,425; Apr. 15.
Labeling, Method of and machine for. G. W. Von Hofe. 2,238,436; Apr. 15.

Ladder web. G. F. French. 2,238,465; Apr. 15.
Ladle, Self-cleaning cinder. J. R. Radcliffe. 2,238,750; Apr. 15.
Lamp: *See*—
Electric lamp. Flash lamp.
Lapping apparatus. D. A. Wallace. 2,238,760; Apr. 15.
Lapping machine. H. S. Indge. 2,238,646; Apr. 15.
Lapping machine. H. S. Indge. 2,238,859; Apr. 15.
Lasting machine. C. G. Brostrom. 2,238,244; Apr. 15.
Latch: *See*—
Burglarproof latch. Door latch.
Latch mechanism, Handle. P. W. Tierney. 2,238,480; Apr. 15.
Lead, Pencil. I. Chesler. 2,238,771; Apr. 15.
Lead wire. J. H. Ramage. 2,238,599; Apr. 15.
Lehr and annealing method, Glassware. F. E. Dorsey. 2,238,791; Apr. 15.
Lens mount for cameras, Focusing. J. Mihalyi. 2,238,498; Apr. 15.
Lens mounting. G. B. Pollock. 2,238,371; Apr. 15.
Lift for raising motor vehicles. E. H. Steedman. 2,238,573; Apr. 15.
Light: *See*—
Signal light.
Light-diffusing body and producing same. W. E. Koerner, A. F. Bahlke, and S. F. Marvin. 2,238,472; Apr. 15.
Light for motor vehicles. N. F. Hadley, and G. J. Huebner, Jr. 2,238,728; Apr. 15.
Line spooler. J. E. Reed. 2,238,398; Apr. 15.
Liner, Flue. J. J. Dyer. 2,238,311; Apr. 15.
Lining, Tunnel. G. Perrine. 2,238,566; Apr. 15.
Liquids, Determining physical characteristics of. C. W. Thornhill. 2,238,758; Apr. 15.
Liquids, Purification of hydrocarbon. A. L. Wilson and H. R. Fife. 2,238,201; Apr. 15.
Liquors, Purification of magnesium base. G. H. Tomlinson. 2,238,456; Apr. 15.
Load carrying apparatus. H. M. Sloat. 2,238,233; Apr. 15.
Lock: *See*—
Door lock.
Lock for container lids. E. J. Tiffany. 2,238,379; Apr. 15.
Lock mechanism for doors. W. Falk. 2,238,314; Apr. 15.
Lock or locking device for doors, windows, and the like, Door. F. Tveten. 2,238,835; Apr. 15.
Loom: *See*—
Circular weaving loom.
Lubricant and making the same. E. Ott. 2,238,478; Apr. 15.
Lubricant and manufacturing same. A. H. Gleason. 2,238,638; Apr. 15.
Lubricating system for sewing machines. N. Knaus. 2,238,797; Apr. 15.
Machine and method for folding and fixing fabric blanks. A. G. Gilbert. 2,238,048; Apr. 15.
Machine for seaming end closures to container barrels. J. F. Price. 2,238,372; Apr. 15.
Magnetron, Magnetically controlled. E. G. Linder. 2,238,272; Apr. 15.
Marionette. W. Steinhilber. 2,238,455; Apr. 15.
Marshmallows, other confections, and food products, Method and machine for manufacturing. E. H. Edwards. 2,238,164; Apr. 15.
Mask, Respirator. C. W. Leguillon. 2,238,492; Apr. 15.
Mass balancing means for control surfaces. A. A. Soderquist and R. J. Minshall. 2,238,403; Apr. 15.
Material, Polymeric. W. E. Hanford. 2,238,640; Apr. 15.
Material, Producing display sign. M. K. Patten. 2,238,073; Apr. 15.
Material, Sheet of drawing. M. Fleischer. 2,238,106; Apr. 15.
Material to produce alumina, Treating aluminous. C. G. Fink and V. S. de Marchi. 2,238,103; Apr. 15.
Materials, Crease-resistant treatment of textile. W. Watkins. 2,238,839; Apr. 15.
Materials, Polymeric. G. D. Graves. 2,238,694; Apr. 15.
Mattress, Waterproof. S. Blake and E. Woll. 2,238,550; Apr. 15.
Measuring valve. G. T. Graves. 2,238,489; Apr. 15.
Meat stuffer. G. R. Napier. 2,238,182; Apr. 15.
Mechanism control. C. S. McCarthy. 2,238,334; Apr. 15.
Metal, Manufacturing composite thermostatic. P. G. Chace. 2,238,034; Apr. 15.
Metals, Electrodeposition of. R. Lind, W. J. Harshaw, and K. E. Long. 2,238,861; Apr. 15.
Metals from ores, Recovery of. U. S. Tainton. 2,238,194; Apr. 15.
Meter: *See*—
Graphic demand meter.
Microscope, Electron. H. Boersch. 2,238,577; Apr. 15.
Mildewproofing and mothproofing treatment. M. Leatherman. 2,238,850; Apr. 15.
Mill: *See*—
Bowl mill.
Modulation system. L. Pungs. 2,238,286; Apr. 15.
Modulation system. F. E. Terman. 2,238,236; Apr. 15.
Molding fastener. F. J. Westrope. 2,238,238; Apr. 15.
Molybdenite concentrates, Purifying. C. H. Curtis. 2,238,250; Apr. 15.
Monacyl ethenones and making them. J. C. Sauer. 2,238,826; Apr. 15.
Mop. I. A. Myers. 2,238,432; Apr. 15.
Mortising equipment. L. W. Reinhardt. 2,238,341; Apr. 15.
Motion control device. R. B. Warman. 2,238,786; Apr. 15.
Motion transmitting means. P. Hodges. 2,238,644; Apr. 15.
Motor: *See*—
Damper motor. Vibratory motor.
Hydraulic motor.
Motorcycle. M. W. Anthony. 2,238,208; Apr. 15.
Mount, Adjustable engine. R. E. McIntosh. 2,238,179; Apr. 15.
Mounting: *See*—
Lens mounting. Propeller shaft mounting.
Ophthalmic mounting.
Mounting means for brake shoes. B. Dick. 2,238,254; Apr. 15.
Mower, Lawn. A. Ronning. 2,238,707; Apr. 15.
Multivoltage motor driven tool. J. A. Hanley. 2,238,696; Apr. 15.
Neon tube connector. F. J. Hensler. 2,238,589; Apr. 15.
Nets, Making. K. J. Mosebach. 2,238,779; Apr. 15.
Nickel-chromium alloys, Making. E. F. Doom. 2,238,160; Apr. 15.
Nipple, Vented. C. J. Schmid. 2,238,828; Apr. 15.
Nozzle. P. M. Forster. 2,238,360; Apr. 15.
Nut, Heavy-duty sheet metal. G. A. Timmerman. 2,238,664; Apr. 15.
Odors to the atmosphere, Releasing and diffusing fragrant. H. L. Monteith. 2,238,476; Apr. 15.
Oil burner. F. Doubledent. 2,238,806; Apr. 15.
Oil composition, Insulating. P. J. Gaylor. 2,238,637; Apr. 15.
Oil cooler. J. E. Jensen. 2,238,170; Apr. 15.
Oil from oil and gas bearing sands, Recovering. B. McCollum. 2,238,701; Apr. 15.
Oils, Improving lubricating. C. Clar, N. Geiser, and P. Killmer. 2,238,846; Apr. 15.
Oils, Obtainment of vitaminous. W. S. Jones. 2,238,059; Apr. 15.
Olefin oxides, Making. R. W. McNamee and C. M. Blair. 2,238,474; Apr. 15.
Opener, Package. E. Robie. 2,238,753; Apr. 15.
Opthalmic mounting. E. R. Durgin. 2,238,556; Apr. 15.
Ores, Treatment of titanium containing. R. Asak. 2,238,673; Apr. 15.
Organic compounds, Nitration of. K. M. Thompson. 2,238,195; Apr. 15.
Overshoe for ice skates, Adjustable. W. L. Tuell and O. W. Richert. 2,238,084; Apr. 15.
Overshoe, Golf rubber. G. E. Murber. 2,238,477; Apr. 15.
Package for fluids, Marketing and dispensing. B. Dick. 2,238,253; Apr. 15.
Panel and supporting means therefor. M. L. Foskett. 2,238,488; Apr. 15.
Panel, Distributing. H. G. Baxter. 2,238,618; Apr. 15.
Particles from gases, Separation of fine. A. Ryner. 2,238,824; Apr. 15.
Parts, Joining. G. T. Hart, Jr. 2,238,053; Apr. 15.
Paste mold machine for and method of forming narrow neck glass articles. W. K. Berthold and H. W. Ingle. 2,238,803; Apr. 15.
Pen, Fountain. K. Dole. 2,238,214; Apr. 15.
Phase modulator. M. G. Crosby. 2,238,249; Apr. 15.
Phonograph disk record holder. F. Roth. 2,238,451; Apr. 15.
Phosphorus from ores, Removal of. C. V. Foerster. 2,238,586; Apr. 15.
Photographic developer. W. H. Wood. 2,238,547; Apr. 15.
Photography, Color. S. B. Grimson. 2,238,221; Apr. 15.
Photography, Color. L. D. Mannes and L. Godowsky, Jr. 2,238,495; Apr. 15.
Phototube, Gas-filled. R. Schade. 2,238,605; Apr. 15.
Picture apparatus, Portable talking motion. H. C. Holden. 2,238,114; Apr. 15.
Pictures, Stereoscopic scanning of. J. Z. Deninson. 2,238,629; Apr. 15.
Pigment and process of manufacturing, Carbonaceous. G. L. Heller and C. W. Snow. 2,238,576; Apr. 15.
Pigments in oil, Flushing water wet. T. A. Martone. 2,238,275; Apr. 15.
Pile fabric cutter. J. E. Cook. 2,238,678; Apr. 15.
Pilot with automatic banking, Airplane automatic. S. J. Zand and T. W. Kenyon. 2,238,300; Apr. 15.
Pipe: *See*—
Blow pipe.
Pipe joint. D. H. Crepeau. 2,238,462; Apr. 15.
Pipe joint and packing means therefor, Swivel. W. Meyer and H. C. Krone. 2,238,535; Apr. 15.
Piston. P. L. Bowser. 2,238,086-7; Apr. 15.
Piston. W. M. Venner and P. L. Bowser, Jr. 2,238,085; Apr. 15.
Plant package. M. R. Mulford and H. Z. Gray. 2,238,818; Apr. 15.
Plug: *See*—
Core box vent plug. Safety plug.
Electric connector plug. Spark plug.
Electric plug.
Plug valve. H. C. Foster. 2,238,385; Apr. 15.
Plunger variable delivery pump, Multiple. F. L. Davis, Jr. 2,238,252; Apr. 15.

Pot, Ceramic. H. T. Ritter. 2,238,781; Apr. 15.
Power control system. H. Dickens. 2,238,040–1; Apr. 15.
Power regulator. J. N. Whitaker. 2,238,762; Apr. 15.
Power take-off for tractors. L. Allgeyer. 2,238,841; Apr. 15.
Power transmission. C. A. Neracher, W. T. Dunn, A. J. Syrovy, and T. Iuvelli. 2,238,746; Apr. 15.
Power transmission. H. F. Patterson. 2,238,748; Apr. 15.
Press *See*—
Insulator press.
Pressure distillate, Refining. D. G. Brandt. 2,238,429; Apr. 15.
Pressure indicator. R. Stansfield. 2,238,234; Apr. 15.
Pressure system and control therefor, Fluid. C. M. Kendrick. 2,238,061; Apr. 15.
Pressure testing machine. D. C. Scott. 2,238,539; Apr. 15.
Pressure transmitting fluid, Hydraulic. R. R. Fulton. 2,238,045; Apr. 15.
Pretwisted torsion plate spring. J. O. Almen. 2,238,380; Apr. 15.
Printer, Merchandise ticket. A. C. Kirshner. 2,238,527; Apr. 15.
Processing equipment. M. F. Pratt and C. H. Schlesman. 2,238,864; Apr. 15.
Propeller mechanism, Hydraulic. E. W. Schellentrager. 2,238,293; Apr. 15.
Propeller shaft mounting. W. A. Hunter. 2,238,737; Apr. 15.
Protector: *See*—
End protector.
Protein, Production of a derived vegetable. P. L. Julian and A. G. Engstrom. 2,238,329; Apr. 15.
Pump: *See*—
Force pump
Plunger variable delivery pump
Twin type gear pump
Pump. A. Nittka. 2,238,395; Apr. 15.
Pump and control therefor, Variable capacity. C. M. Kendrick. 2,238,062; Apr. 15.
Pump or the like, Rotary. H. G. Bowering. 2,238,552; Apr. 15.
Pump structure. N. G. Hall and G. L. Parrish. 2,238,809; Apr. 15.
Pumping apparatus. N. S. Muir, W. C. Clothier, and J. H. Whitaker. 2,238,502; Apr. 15.
Pumping apparatus. A. C. Page. 2,238,307; Apr. 15
Punch. C. C. Cruzan. 2,238,680; Apr. 15.
Rack: *See*—
Hinged floor rack.
Tubing rack.
Radiant energy, System for emitting directed. G. E. M. Perroux. 2,238,229; Apr. 15.
Radio beacon system. W. M. Hahnemann. 2,238,261; Apr. 15.
Radio direction finder installation. H. G. Busignies and P. L. Bour. 2,238,211; Apr. 15.
Radio direction finder or emitter. K. Koschmieder. 2,238,269; Apr. 15.
Radio direction finding system. E. Kramar and H. Nass. 2,238,270; Apr. 15.
Radio receiver, Directional. H. E. Paul. 2,238,129; Apr. 15.
Radio receiver with band spreading. H. Rinia, H. D. H. Tellegen, and M. Ziegler. 2,238,752; April 15.
Radio tuning system and device. G. E. Masters. 2,238,391; Apr. 15.
Rail joint. F. Vásárhelyi and F. Tajovsky. 2,238,836; Apr. 15.
Rail, Railway. H. L. Lansing. 2,238,652; Apr. 15.
Rail support. L. A. Shelton. 2,238,348; Apr. 15
Railway braking apparatus. H. C. Clausen. 2,238,772; Apr. 15.
Railway car. H. Dreyfuss. 2,238,847; Apr. 15.
Railway, Rope. F. Hunziker. 2,238,265; Apr. 15.
Rake, Sweep. E. Weishaar. 2,238,840; Apr. 15.
Ratchet, Step-up. L. W. Gensburg. 2,238,317; Apr. 15.
Razor. J. L. Kleinman. 2,238,813; Apr. 15.
Receptacle for multiple radio antennae systems, Electrical. E. V. Amy. 2,238,842; Apr. 15.
Recorder, Trouble. O. Myers. 2,238,126; Apr. 15.
Recording mechanism, Electrically operated. A. Ruttiman. 2,238,507; Apr. 15.
Rectifiers, Manufacturing metallic oxide. E. Siebert. 2,238,608; Apr. 15.
Reel: *See*—
Film reel.
Reel. L. H. Peeples. 2,238,637; Apr. 15
Refractories, Making basic. M. Y. Seaton and H. H. Hartzell. 2,238,428; Apr. 15.
Refrigerated cabinet. C. H. Thaxter. 2,238,511; Apr. 15.
Refrigerating apparatus. A. J. Pedigo. 2,238,074; Apr. 15.
Refrigerating apparatus. A. J. Pedigo. 2,238,284; Apr. 15.
Refrigerating system. J. E. Dube and N. W. Barnes. 2,238,808; Apr. 15.
Refrigeration. R. S. Taylor. 2,238,138; Apr. 15.
Refrigeration. M. J. Uline. 2,238,312; Apr. 15.
Refrigeration, Absorption. M. Shoelll. 2,238,080; Apr. 15.
Refrigerator cabinet. J. L. Fletcher. 2,238,635; Apr. 15.
Refrigerator cabinet construction. H. C. Foster. 2,238,416; Apr. 15.
Refrigerator, display case, and meat cooler. H. E. Trotter. 2,238,543; Apr. 15.
Regulator: *See*—
Power regulator.
Thermostatic vapor regulator.
Regulator. F. H. Gulliksen. 2,238,639; Apr. 15.
Relay. E. S. Borgkvist. 2,238,154; Apr. 15.
Relay and relay protective system. L. N. Crichton and G. M. Barrow. 2,238,626; Apr. 15.
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Resin coating composition and making same, Complex. C. Ellis. 2,238,685; Apr. 15
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Resins, Opacification of. G. M. Kuettel. 2,238,446; Apr. 15.
Ring cutter. M. M. Maguin. 2,238,404; Apr. 15.
Robot, Automobile or motor vehicle. A. D. Warren. 2,238,838; Apr. 15.
Rolling machine. J. T. Leech. 2,238,121; Apr. 15.
Rope winding and measuring machine. C. M. McCarthy. 2,238,067; Apr. 15.
Rotary cooler. A. W. Lissauer. 2,238,273; Apr. 15.
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Rotor control, Wound motor. W. R. Wickerham. 2,238,613; Apr. 15.
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Rudder, Retractable. E. Arbeitlang. 2,238,844; Apr. 15.
Rug fastener. E. B. Harris. 2,238,522; Apr. 15.
Safety device for power-operated machines. A. A. Rivington and W. T. Minett. 2,238,290; Apr. 15.
Safety plug. A. Fischer. 2,238,257; Apr. 15.
Salts, Manufacture of styphnic acid. W. Brun. 2,238,210; Apr. 15.
Sampling means. L. B. Collins and C. A. Langstaff. 2,238,677; Apr. 15.
Sandal and insole therefor, Strap. H. S. Lyness. 2,238,274; Apr. 15.
Sander. L. I. Pickert. 2,238,505; Apr. 15.
Sanding apparatus for highways. E. W. Bowers. 2,238,788; Apr. 15.
Sanding equipment, Track. G. S. Turner. 2,238,140; Apr. 15.
Sanding, Polishing and wet. J. N. Baker and G. C. Wilhide. 2,238,096; Apr. 15.
Sanitary appliance and making same. M. E. Rabell. 2,238,450; Apr. 15.
Saw, Auger. A. H. Burkeman. 2,238,578; Apr. 15.
Saw setting device, Bench. G. A. Valpan. 2,238,405; Apr. 15.
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Screen, Light-reflecting and sound-transmitting. A. B. Hurley. 2,238,365; Apr. 15.
Screening apparatus. L. E. Soldan. 2,238,711; Apr. 15.
Sealer, Lid. J. Z. Humbert. 2,238,775; Apr. 15.
Sealing means for spark plug electrodes. H. Rabezzana, A. J. Battey, and L. H. Wyatt. 2,238,306; Apr. 15.
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Sewing cabinet. A. R. Carlson. 2,238,033; Apr. 15.
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Shield for automobiles. I. Sanchez. 2,238,187; Apr. 15.
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Shirt. F. Gardner. 2,238,466; Apr. 15.
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Thermal switch, Snap acting. E. Bletz. 2,238,621; Apr. 15.
Thermal treatment of carbonaceous materials. M. Pier, W. V. Fuener, and W. Simon. 2,238,851; Apr. 15.
Thermocouple switch. G. F. Laing. 2,238,224; Apr. 15.
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Thermostatic vapor regulator. P. B. Parks and W. R. Peterson. 2,238,369; Apr. 15.
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Timer, Sports. R. Steeneck. 2,238,756; Apr. 15.
Tire chain tool. D. W. Hudson. 2,238,325; Apr. 15.
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Toy log structure. R. De Witt. 2,238,039; Apr. 15.
Track device for lubricating wheel flanges. A. F. Huber and J. V. Houston. 2,238,732; Apr. 15.
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Transducer, Electrodynamic. H. Lauffer. 2,238,741; Apr. 15.
Translation device for phonographs. L. D. Norton. 2,238,863; Apr. 15.

Transmission. A. Y. Dodge. 2,238,310; Apr. 15.
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Tubes, Production of ribbed. R. Lenk. 2,238,798; Apr. 15.
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Turning machine, Chuckless. G. F. Johnson. 2,238,328; Apr. 15.
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Valve body, Resiliently packed. H. Allen. 2,228,357; Apr. 15.
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Vulcanizing apparatus. C. M. Semler. 2,238,825; Apr. 15.
Wame machine. H. E. Knaust. 2,238,698; Apr. 15.
Wall building unit and structure incorporating same. J. B. Whitenack. 2,238,355; Apr. 15.
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Wallpaper remover. A. Kendechy. 2,238,175; Apr. 15.
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CLASSIFICATION OF PATENTS

ISSUED APRIL 15, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

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Allmanna Svenska Utsades Aktiebolaget, Svalov, Sweden. Field seeds. Serial No. 421,411; Apr. 22. Class 1.

Alox Corporation, Niagara Falls, N. Y. Lubricating oils and greases, and penetrating, lubricating oils. Serial No. 439,422; Apr. 22. Class 15.

Alox Corporation, Niagara Falls, N. Y. Oxidized petroleum hydrocarbon masses. Serial No. 439,425; Apr. 22. Class 1.

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Armanet, Irina, San Francisco, Calif. Perfume. Serial No. 439,574; Apr. 22. Class 6.

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Athol Manufacturing Company, Athol, Mass. Leather cloth. Serial No. 439,791; Apr. 22. Class 50.

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Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Bread. Serial No. 439,329; Apr. 22. Class 46.

Baltimore Markets, Inc., Philadelphia, Pa. Canned foods. Serial No. 437,331; Apr. 22. Class 46.

Barber Asphalt Corporation, Barber, N. J. Composition roofing and shingles. Serial No. 428,950; Apr. 22. Class 12.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Knitting needles, and crochet hooks. Serial No. 439,089; Apr. 22. Class 40.

Ben-Burk, Inc., Boston, Mass. Blended whiskey. Serial No. 441,304; Apr. 22. Class 49.

Bendiner & Schlesinger, Inc., New York, N. Y. Preparation for the hair. Serial No. 441,343; Apr. 22. Class 6.

Bestform Foundations, Inc., New York, N. Y. Brassières and foundation garments. Serial No. 427,957; Apr. 22. Class 39.

Bishop, John W. Company, doing business as Bishop's Flour Mills, Martinsburg, W. Va. Blended all purpose wheat flour. Serial No. 440,037; Apr. 22. Class 46.

Blakeman, Marion H., Provincetown, Mass. Bath powders, colognes, lipsticks, etc. Serial No. 438,370; Apr. 22. Class 6.

Bloomingdale Bros. Inc., New York, N. Y. Whiskey. Serial No. 437,054; Apr. 22. Class 49.

California Growers Wineries, Cutler, Calif. Brandy. Serial No. 441,047; Apr. 22. Class 49.

Carnegie Dock & Fuel Company, Minneapolis, Minn. Coal. Serial No. 439,093; Apr. 22. Class 1.

Chaleyer, Ph., Inc. Perfume. Serial No. 428,568; Apr. 22. Class 6.

Chapman, A. D., & Company, Inc., Chicago, Ill. Chemical preparation. Serial No. 439,475; Apr. 22. Class 6.

Charles of the Ritz, Inc., New York, N. Y. Toilet water. Serial No. 439,804; Apr. 22. Class 6.

Chatham Manufacturing Company, Elkin, N. C. Blankets. Serial No. 441,127; Apr. 22. Class 42.

Chefford Master Manufacturing Co., Inc., Fairfield, Ill. Machinery bearings. Serial No. 440,774; Apr. 22. Class 23.

Chicago Mail Order Company, Chicago, Ill. Men's, women's and children's leather shoes. Serial No. 440,083; Apr. 22. Class 39.

Clover Gold Packers, Waxahachie, Tex. Honey. Serial No. 438,230; Apr. 22. Class 46.

Coleman Lamp and Stove Company, The, Wichita, Kans. Fluid burning gravity floor furnaces. Serial No. 435,785; Apr. 22. Class 34.

Columbia Recording Corporation, New York, N. Y. Phonograph needles. Serial No. 434,630; Apr. 22. Class 36.

Congress Shirt Company, Boston, Mass. Sport coats and sport jackets. Serial No. 438,792; Apr. 22. Class 39.

Crown Products Corporation, Los Angeles, Calif. Bleaching water. Serial No. 440,493; Apr. 22. Class 6.

Crystal, David, Inc., New York, N. Y. Dresses, and dress ensembles. Serial No. 440,677; Apr. 22. Class 39.

D. F. H. Novelty Furniture Co. Inc., New York, N. Y. Breakfast furniture. Serial No. 439,713; Apr. 22. Class 32.

Dalton Foundries, The, Inc., Warsaw, Ind. Automobile lifting jacks. Serial No. 439,692; Apr. 22. Class 23.

Davidson Manufacturing Corporation, Chicago, Ill. Aluminum plate for photoline and direct image work in lithography. Serial No. 440,447; Apr. 22. Class 50.

Davidson Manufacturing Corporation, Chicago, Ill. Drawing ink. Serial No. 440,459; Apr. 22. Class 11.

De José Fernández, S. en C., Sucrs., San Juan, P. R. Rum. Serial No. 438,910; Apr. 22. Class 49.

Denels, Robert, doing business as Robert, New York, N. Y. Foot creams. Serial No. 441,503; Apr. 22. Class 6.

Difco Laboratories Incorporated, Detroit, Mich. Pharmaceutical preparation. Serial No. 441,469; Apr. 22. Class 6.

Dodwell & Company, Ltd., New York, N. Y. Coconut. Serial No. 428,685; Apr. 22. Class 46.

Dominant Products Co., Inc., New York, N. Y. Metal polishing preparation and for soaps and detergents. Serial No. 437,466; Apr. 22. Class 4.

Du Pont Film Manufacturing Corporation, New York, N. Y. X-ray fixer. Serial No. 440,777; Apr. 22. Class 6.

Du Pont Film Manufacturing Corporation, New York, N. Y. X-ray developer. Serial No. 440,778; Apr. 22. Class 6.

East Coast Milling Corp., New York, N. Y. Wheat flour. Serial No. 439,141; Apr. 22. Class 46.

Echo Oil Co. (See Nathans, Macbeth.)

Edelson, N., Sons, New York, N. Y. Slips, nightgowns, pajamas, etc. Serial No. 440,647; Apr. 22. Class 39.

Ely & Walker Dry Goods Company, St. Louis, Mo. Fabrics. Serial No. 441,130; Apr. 22. Class 42.

Emeloid Co., The, Inc., Arlington, N. J. Plastic knives, plastic table crumbers. Serial No. 440,811; Apr. 22. Class 23.

Empson, Kuner Co., Brighton, Colo. Canned beans in chile gravy. Serial No. 438,544; Apr. 22. Class 46.

Epiphone, Inc., New York, N. Y. Electric guitars. Serial No. 439,963; Apr. 22. Class 36.

Fawcett Publications, Inc., Greenwich, Conn. Periodical publication. Serial No. 440,812; Apr. 22. Class 38.

Filtrex Company, Inc., Elizabeth, N. J. Water treatment compound. Serial Nos. 437,241–2; Apr. 22. Class 6.

Finch, Joseph S. and Company, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial Nos. 441,397–8; Apr. 22. Class 49.

Ford, J. B., Company, The, Wyandotte, Mich. Citrus fruit cleaner. Serial No. 441,052; Apr. 22. Class 4.

Fischer, Philip, Chicago, Ill. Developed motion picture film. Serial No. 439,808; Apr. 22. Class 26.

Foulds Milling Company, The, Libertyville, Ill. Macaroni, spaghetti, noodles, etc. Serial No. 436,120; Apr. 22. Class 46.

Frankeva, Inc., New York, N. Y. Ladies' corsets, corselets, and brassières. Serial No. 438,331; Apr. 22. Class 39.

French Sardine Co., Inc., Terminal Island, Calif. Cat food. Serial No. 438,926; Apr. 22. Class 46.

Fruit Growers Co-Operative, Sturgeon Bay, Wis. Canned cherries. Serial Nos. 440,196–7; Apr. 22. Class 46.

Gilbert, Morris Company Inc., New York, N. Y. Ladies', misses', and children's suits and coats. Serial No. 440,330; Apr. 22. Class 39.

Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. Serial No. 440,719; Apr. 22. Class 23.

Goodrich, B. F., Company, The, Akron, Ohio. Pneumatic tire casings. Serial No. 440,623; Apr. 22. Class 35.

Green, Mabel M., Van Nuys, Calif. Candy. Serial No. 440,302; Apr. 22. Class 46.

Greenbros, Inc., Cincinnati, Ohio. Whiskey, gin, rum, etc. Serial No. 440,720; Apr. 22. Class 49.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 440,626; Apr. 22. Class 27.

Hershey Creamery Company, Harrisburg, Pa. Powdered whole milk. Serial No. 438,766; Apr. 22. Class 46.

Hall Planetary Company, The, Philadelphia, Pa. Machine tool arbors. Serial No. 440,987; Apr. 22. Class 23.

Harley-Davidson Motor Company, Milwaukee, Wis. Printed publication. Serial No. 440,508; Apr. 22. Class 38.
Hart Drug Corporation, Miami, Fla. Preparation indicated in the treatment of scabies. Serial No. 441,576; Apr. 22. Class 6.
Heckert, Clifford J., doing business as Medix Co., New York, N. Y. Preparation for the relief of headache, etc. Serial No. 440,198; Apr. 22. Class 6.
Hermanos, Sanchez Romate, S. A. Jerez de la Frontera, Spain. Brandies, cognac, anise, etc. Serial No. 439,078; Apr. 22. Class 49.
International Business Machine Corporation, Endicott, N. Y. Time stamps. Serial No. 433,046; Apr. 22. Class 26.
International Vitamin Corp., New York, N. Y. Food ingredients containing vitamins. Serial No. 439,345; Apr. 22. Class 46.
Kayser, Julius & Co., New York, N. Y. Nightgowns and pajamas. Serial No. 439,515; Apr. 22. Class 39.
Kemp & Beatley, Inc., New York, N. Y. Textile fabrics in the piece, napkins, towels, etc. Serial No. 440,988; Apr. 22. Class 42.
Kimble Glass Company, Vineland, N. J. Glass rods, glass tubing, and glass containers. Serial No. 432,842; Apr. 22. Class 33.
Klein, Cletus A., Caro, Mich. Cranes for automobile wreckers. Serial No. 429,586; Apr. 22. Class 23.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Scratch feed. Serial No. 439,599; Apr. 22. Class 46.
La Salle & Koch Co., The, Toledo, Ohio. Bed spreads and blankets. Serial No. 441,208; Apr. 22. Class 42.
Leigh Moyle Liquor Stores. (See Moyle, Leigh.)
Lelong, Lucien, Inc., Chicago, Ill. Perfumes, colognes, lipsticks, etc. Serial No. 441,578; Apr. 22. Class 6.
Loretta Hairnets. (See Neumann, Norbert.)
Marsh, Jas. P. Corporation, Chicago, Ill. Pressure and liquid level actuated multiple air vent units and central manual control units for hot water heating systems. Serial No. 428,123; Apr. 22. Class 34.
Master Electric Company, The, Dayton, Ohio. Automatic electric controls. Serial No. 421,887; Apr. 22. Class 26.
Master Rule Mfg. Co. Inc., New York, N. Y. Rules, folding rules, and extension rules. Serial No. 439,620; Apr. 22. Class 26.
McCoy, Jones & Company, Inc., Chicago, Ill. Raincoats, raincaps, aprons, etc. Serial No. 440,727; Apr. 22. Class 39.
McDarment, Allan M., doing business as Specialties Company, East Cleveland, Ohio. Tie holders. Serial No. 437,283; Apr. 22. Class 13.
McKesson & Robbins, Inc. (See Wardall, William J., trustee.)
Measurement Methods Company, Chicago, Ill. Instruments for indicating rate of use of fuel oil, etc. Serial No. 440,825; Apr. 22. Class 26.
Medix Co. (See Heckert, Clifford J.)
Mid-Valley Distilling Corp., Archbald, Pa. Whiskey. Serial No. 440,258; Apr. 22. Class 49.
Mid-Valley Distilling Corporation, Archbald, Pa. Whiskey. Serial No. 441,028; Apr. 22. Class 49.
Millett, J. C., Co., San Francisco, Calif. Whiskey. Serial No. 441,361; Apr. 22. Class 49.
Montgomery, Marjorie, Inc., Los Angeles, Calif. Play suits, consisting of blouses and attached shorts, etc. Serial No. 440,807; Apr. 22. Class 39.
Morrell, John & Co., Ottumwa, Iowa. Canned meat loaves. Serial No. 439,468; Apr. 22. Class 46.
Mound City Paint & Color Co., St. Louis, Mo. Ready-mixed paints and paste paints, paint enamels, etc. Serial No. 440,872; Apr. 22. Class 16.
Moyle, Leigh, doing business as Leigh Moyle Liquor Stores, Whittier, Calif. Whiskey. Serial No. 437,599; Apr. 22. Class 49.
Muney, William A., Brooklyn, N. Y. Watches, watch cases, and watch parts. Serial No. 440,660; Apr. 22. Class 27.
Nelson, John H., doing business as Nelson Laboratories, Stockton, Calif. Nitrogen fixing bacteria for legume seed inoculation. Serial No. 439,062; Apr. 22. Class 10.
Nathans, Macbeth, doing business as Echo Oil Co., Charleston, S. C. Gasoline, fuel oils, and lubricating oils. Serial No. 440,947; Apr. 22. Class 15.
National Biscuit Company, New York, N. Y. Bakery products. Serial No. 426,956; Apr. 22. Class 46.
National Cash Register Company, The, Dayton, Ohio. Cash registers, credit registers, autographic registers, accounting machines, etc. Serial No. 441,172; Apr. 22. Class 26.
Naymon Plate Co., Lowell, Mass. Perfumes and sachets. Serial No. 441,031; Apr. 22. Class 6.
Neumann, Norbert, doing business as Loretta Hairnets, New York, N. Y. Hairnets. Serial No. 440,098; Apr. 22. Class 39.
Oelerich & Berry Company, Chicago, Ill. Fruit preserves. Serial No. 440,260; Apr. 22. Class 46.
Owens Staple-Tied Brush Company, The, Toledo, Ohio. Toothbrushes. Serial No. 440,520; Apr. 22. Class 29.
Pangburn Company, Fort Worth, Tex. Ice cream. Serial No. 428,861; Apr. 22. Class 46.
Paramount Bedding Corporation, Norfolk, Va. Mattresses. Serial No. 440,020; Apr. 22. Class 32.
Parents' Institute, Inc., The, New York, N. Y. Column or section in a monthly magazine. Serial No. 440,752; Apr. 22. Class 38.
Patch, E. L., Company, The, Stoneham, Mass. Preparation for the relief of coughs. Serial No. 441,213; Apr. 22. Class 6.
Peck & Peck, New York, N. Y. Hosiery, sweaters, gloves of leather, etc. Serial No. 440,563; Apr. 22. Class 39.
Peerless Carbon Black Company, The, Pittsburgh, Pa. Black carbon pigment. Serial No. 439,726; Apr. 22. Class 6.
Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Hand soap. Serial No. 433,721; Apr. 22. Class 4.
Peride Products, Inc., Brooklyn and New York, N. Y. Insecticides. Serial No. 440,661; Apr. 22. Class 6.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Periodical publication. Serial No. 435,180; Apr. 22. Class 38.
Polaroid Corporation, Cambridge, Mass. Stereoscopic viewers and the like. Serial No. 439,552; Apr. 22. Class 26.
Protex Industries, Inc, New York, N. Y. Latex and toxic latex as a coating. Serial No. 425,860; Apr. 22. Class 6.
Quaker Oil Corporation, St. Louis, Mo. Lubricating oil. Serial No. 409,697; Apr. 22. Class 15.
Radlin Corporation, The, New York, N. Y. Chlorinated rubber and compositions such as resins. Serial No. 434,222; Apr. 22. Class 6.
Rainier Brewing Company, San Francisco, Calif. Ale and porter. Serial No. 441,107; Apr. 22. Class 48.
Red Hand Compositions Company, Inc., New York, N. Y. Anti-galvanic black paint. Serial No. 441,179; Apr. 22. Class 16.
Rhode Island Warp Stop Equipment Company, Pawtucket, R. I. Stop motions for looms and warping machines, and drop wires, heddles and appurtenances thereto. Serial No. 440,789; Apr. 22. Class 23.
Ric Products Inc., Philadelphia, Pa. Perfume sticks. Serial No. 440,383; Apr. 22. Class 6.
Robert. (See Denela, Robert.)
Roma Wine Company, Inc., Fresno, Calif. Wines. Serial No. 440,756; Apr. 22. Class 47.
Rophon, Inc., New York, N. Y. Perfumes and toilet waters, face powder and bath powder. Serial No. 441,144; Apr. 22. Class 6.
Rose, Henry, Stores, Inc., New York, N. Y. Hats. Serial No. 440,791; Apr. 22. Class 39.
Rosenzweig & Pincus, Inc., New York, N. Y. Men's suits. Serial No. 437,836; Apr. 22. Class 39.
Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Lacquers and varnishes. Serial No. 441,145; Apr. 22. Class 16.
Sandeman, Geo. G., Sons & Co., Limited, London, England. Scotch whiskey. Serial No. 438,631; Apr. 22. Class 49.
Schulman, Samuel, New York, N. Y. Fur and fur trimmed coats and jackets. Serial No. 440,387; Apr. 22. Class 39.
Schonfeld, Max P. H., Los Angeles, Calif. Table and cooking china and porcelain vases, urns, hair receivers, etc. Serial No. 438,906; Apr. 22. Class 30.
Sela, August G., doing business as Tewa Weaving Industry, Isleta, N. Mex. Neckties. Serial No. 440,474; Apr. 22. Class 39.
Selig Company, The, Atlanta, Ga. Liquid metal cleaner. Serial No. 441,185; Apr. 22. Class 4.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Stimulants, cathartics, laxatives, etc. Serial No. 440,886; Apr. 22. Class 6.
Shatz, Nathan, doing business as Nathan Shatz Sportswear Co., St. Louis, Mo. Womens' and misses' dresses, skirts, jackets, etc. Serial No. 439,029; Apr. 22. Class 39.
Singer Manufacturing Company, The, Elizabeth, N. J. Electric scissors and shears. Serial No. 437,455; Apr. 22. Class 21.
Skilsaw, Incorporated, Chicago, Ill. Rotary floor edging sanding machines. Serial No. 440,963; Apr. 22. Class 23.
Slack, Fred A., Jr., doing business as Tridox Laboratories, Bala, Pa. Materials for repairing teeth. Serial No. 439,211; Apr. 22. Class 44.
Smith, Arthur E., Los Angeles, Calif. Local anesthetizing, nerve blocking tablets, powders, solutions, etc. Serial No. 441,541; Apr. 22. Class 6.
Smith, Landon P., Inc., Irvington, N. J. Combination mechanical and steaming wall paper removers. Serial No. 439,565; Apr. 22. Class 23.
Smith, Landon P., Inc., Irvington, N. J. Steaming wall paper removers. Serial No. 439,566; Apr. 22. Class 23.
Specialties Company. (See McDarment, Allan M.)
Squibb, E. R., & Sons, New York, N. Y. Oral preparations for use as dentifrices and mouth washes. Serial No. 439,673; Apr. 22. Class 6.
Standards Brands Incorporated, New York, N. Y. Coffee improver. Serial No. 440,708; Apr. 22. Class 6.
Star Chemical Co., Inc., Chicago, Ill. Cleanser and polish. Serial No. 405,424; Apr. 22. Class 16.
Stein, A., & Company, Chicago, Ill. Dress shields. Serial No. 440,026; Apr. 22. Class 40.
Stein, A., & Company, Chicago, Ill. Dress shields and shoulder straps. Serial No. 440,028; Apr. 22. Class 40.
Sterling Mills, Ilion, N. Y. Men's and Boys' knitted outer wear. Serial No. 439,607; Apr. 22. Class 39.

Stettheimer Co., San Francisco, Calif., and New York, N. Y. Shirts, shorts, trunks, etc. Serial No. 440,762; Apr. 22. Class 39.
Storyk Brothers, Inc., New York, N. Y. Men's, women's, misses', and children's jackets, dresses, coats, etc. Serial No. 440,348; Apr. 22. Class 39.
Tager, Charles L., Chicago, Ill. Stapling machines. Serial No. 439,733; Apr. 22. Class 23.
Taylor-Freeman-Stanley, Incorporated, New York, N. Y. Reeds. Serial No. 441,186; Apr. 22. Class 36.
Tetley, Joseph, & Co., Inc., New York, N. Y. Tea. Serial No. 440,224; Apr. 22. Class 46.
Tewa Weaving Industry. (See Sela, August, Jr.)
Tomlinson of High Point, High Point, N. C. Articles of furniture. Serial No. 418,457; Apr. 22. Class 32.
Transamerica Wine Corp., New York, N. Y. Wines. Serial No. 439,212; Apr. 22. Class 47.
Tridon Laboratories. (See Slack, Fred A., Jr.)
Tripoli Barbers' Supply Company, doing business as Tripoli Co., Philadelphia, Pa. Hair preparation. Serial No. 440,394; Apr. 22. Class 6.
Uddeholms Aktiebolag, Uddeholm, Sweden. Iron and steel in strips or sheets. Serial No. 421,826; Apr. 22. Class 14.
Ulrici Medicine Company, Inc., The, New York, N. Y. Preparations useful as an aid to convalescence from illness, etc. Serial Nos. 440,226–7; Apr. 22. Class 6.
United States Rubber Company, New York, N. Y. Heels and lifts. Serial No. 440,299; Apr. 22. Class 39.
United States Rubber Company, New York, N. Y. Mattresses of foam rubber; blocks of foam rubber for furniture cushions; and mattress foundations. Serial No. 441,039; Apr. 22. Class 32.
Vigitrol Corporation, New York, N. Y. Thermostat switches. Serial No. 439,850; Apr. 22. Class 26.
Vitamin Technologists, Inc., Los Angeles, Calif. Activated ergosterol. Serial No. 438,819; Apr. 22. Class 6.
Wardall, William J., trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Vitamin products. Serial No. 441,497; Apr. 22. Class 6.
Warner Chemical Company, The, New York, N. Y. Boiler compounds. Serial Nos. 441,655–6; Apr. 22. Class 6.
Warner Chemical Company, The, New York, N. Y. Dry cleaning solvents. Serial No. 441,272; Apr. 22. Class 4.
Warwick Chemical Company, West Warwick, R. I. Chemical product used for dyeing and finishing for all fibres. Serial No. 441,595; Apr. 22. Class 6.
Wellington, Sears, Company, Incorporated, New York, N. Y. Corduroy in the piece. Serial No. 439,376; Apr. 22. Class 42.
Wells Lamont Smith Corporation, Chicago, Ill. Work gloves. Serial No. 439,643; Apr. 22. Class 39.
Winthrop Chemical Company, Inc., New York, N. Y. Vitamin B complex preparation. Serial No. 440,897; Apr. 22. Class 6.
Woodwards, Incorporated, Minneapolis, Minn. Peanut butter. Serial No. 422,162; Apr. 22. Class 46.
Young, Alexander, Distilling Co., Philadelphia, Pa. Brandy. Serial No. 440,078; Apr. 22. Class 49.
Zellerbach Paper Company, San Francisco, Calif. Napkins, table covers, household towels, waxed paper, shelf paper, etc. Serial No. 434,510; Apr. 22. Class 37.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. Serial No. 441,118; Apr. 22. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Adams & Westlake Company, The, Chicago, Ill., assignor to the Adams & Westlake Company, Elkhart, Ind. Trimmings for railway-cars. 141,466; renewed Apr. 26, 1941.
Adams & Westlake Company, The, Chicago, Ill., assignor to the Adams & Westlake Company, Elkhart, Ind. Baggage-racks. 142,405; renewed May 17, 1941.
Adams & Westlake Company, The, Chicago, Ill., assignor to Adams & Westlake Company, The, Elkhart, Ind. Certain hardware and bath-room accessories. 144,333; renewed July 5, 1941.
Advertising Displays Inc., Covington, Ky. Picture projectors. 386,712; Apr. 22; Serial No. 437,398; published Feb. 11, 1941. Class 26.
Alworth, Greydon N., Marion, Ohio. Comic strips. 386,630; Apr. 22; Serial No. 417,563; published Feb. 4, 1941. Class 38.
American Bemberg Corporation, New York, N. Y. Piece goods. 386,854–5; Apr. 22; Serial Nos. 438,969–70; published Feb. 11, 1941. Class 42.
American Bemberg Corporation, New York, N. Y. Piece goods. 386,868; Apr. 22; Serial No. 439,185; published Feb. 11, 1941. Class 42.
American Lead Pencil Company, New York, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Chemical ink-eradicator. 140,070; renewed Mar. 8, 1941.
American Type Founders, Incorporated, Elizabeth, N. J. Printing presses. 386,777; Apr. 22; Serial No. 438,105; published Feb. 11, 1941. Class 23.
Ancient and Mystical Order Rosae Crucis, San Francisco, assignor to The Supreme Grand Lodge of the Ancient and Mystical Order Rosae Crucis, San Jose, Calif. Monthly magazine and certain named publications. 145,313; renewed Aug. 2, 1941.
Anderson, Brooke. (See Red Top Steel Post Company.)
Appel, Bernard, Inc., Boston, Mass., and New York, N. Y. Ladies' and misses' dresses, blouses, etc. 386,743; Apr. 22; Serial No. 437,752; published Feb. 4, 1941. Class 39.
Archer Hosiery Mills, Columbus, Ga. Ladies' hosiery. 386,774; Apr. 22; Serial No. 438,064; published Feb. 4, 1941. Class 39.
Bachmann, L., & Co., Inc., New York, N. Y. Cotton fabrics, rayon fabrics, etc. 386,858; Apr. 22; Serial No. 439,011; published Feb. 11, 1941. Class 42.
Badger Paper Company, Los Angeles, Calif. Toilet paper, waxed paper, cleansing tissue, etc. 386,744; Apr. 22; Serial No. 437,753; published Feb. 11, 1941. Class 37.
Baldwin Company, The. (See Hamilton Organ Company, assignor.)
Baldwin Company, The, Cincinnati, Ohio. Magazine published from time to time. 143,904; renewed June 21, 1941.
Baldwin-Hill Company, Trenton, N. J. Rock wool insulating blocks. 386,692; Apr. 22; Serial No. 436,560; published Feb. 4, 1941. Class 12.
Balfour, Arthur & Company, Limited, Sheffield, England. Steels. 141,854; renewed May 3, 1941.
Bancroft Walker Company, Waltham, Mass. Shoes. 386,778; Apr. 22; Serial No. 438,109; published Feb. 4, 1941. Class 39.
Barlish, Charles H., Los Angeles, Calif. Cellulose patching material. 386,677; Apr. 22; Serial No. 434,772; published Feb. 4, 1941. Class 12.
Beford, A. J., Shoe, Inc., Lititz, Pa. Shoes and oxfords. 386,903; Apr. 22. Class 39.
Belk Stores, Charlotte, N. C. Suits and top coats. 386,676; Apr. 22; Serial No. 434,623; published Feb. 11, 1941. Class 39.
Berger Manufacturing Company, The, Canton, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Metal filing cases, lockers, and shelving. 142,450; renewed May 17, 1941.
Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. 386,887; Apr. 22. Class 39.
Bernstein, Samuel E., assignor to National Silver Company, New York, N. Y. Articles of steel cutlery. 143,909; renewed June 21, 1941.
Berst-Forster-Dixfield Company, New York, N. Y. Paper towels. 386,802; Apr. 22; Serial No. 438,262; published Feb. 11, 1941. Class 37.
Besosa, Adolfo E., New York, N. Y. A tonic. 140,328; renewed Mar. 15, 1941.
Beverage Products Corporation, Philadelphia, Pa. Beverages. 386,779–80; Apr. 22; Serial Nos. 438,111–12; published Feb. 11, 1941. Class 45.
Biltmore Textile Company, Inc., Providence, R. I. Shoe laces and braids. 386,818; Apr. 22; Serial No. 438,429; published Feb. 11, 1941. Class 40.
Binney & Smith Company, New York, N. Y. Paint-pigments. 146,177; renewed Sept. 6, 1941.
Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper. 386,881; Apr. 22. Class 23.
Bligh-Palmer & Company, Chicago, Ill. Magazine. 386,811; Apr. 22; Serial No. 438,327; published Feb. 4, 1941. Class 38.
Block, H & L, Ltd., San Francisco, Calif. Outer shirts. 386,725; Apr. 22; Serial No. 437,612; published Jan. 28, 1941. Class 39.
Bloomingdale Bros., Inc., New York, N. Y. Men's and boys' wearing apparel. 386,765; Apr. 22; Serial No. 437,987; published Feb. 4, 1941. Class 39.
Bloomingdale Bros., Inc., doing business as Bloomingdale's, New York, N. Y. Tennis game. 386,781; Apr. 22; Serial No. 438,115; published Feb. 11, 1941. Class 22.
Blue Swan Mills, Inc., New York, N. Y. Ladies' and children's underwear. 386,830; Apr. 22; Serial No. 438,566; published Feb. 4, 1941. Class 39.
Boott Mills, Lowell, Mass. Towels and toweling. 386,796; Apr. 22; Serial No. 438,234; published Feb. 11, 1941. Class 42.
Botany Worsted Mills, Passaic, N. J. Woolen and worsted piece goods. 386,862; Apr. 22; Serial No. 439,068; published Feb. 11, 1941. Class 42.
Boutross, Peter, doing business as Queen Lace Co., New York, N. Y. Kerchiefs and handkerchiefs. 386,766; Apr. 22; Serial No. 437,988; published Feb. 4, 1941. Class 39.
Bradas & Gheens, assignor to Bradas & Gheens, Inc., Louisville, Ky. Chocolates. 145,614; renewed Aug. 16, 1941.
Braithwaite, William S., Virginia Beach, Va. Sandwiches. 386,726; Apr. 22; Serial No. 437,613; published Feb. 11, 1941. Class 46.

Brooklyn Knit Sportswear Co., Inc., New York, N. Y. Women's and misses' sweaters. 386,761; Apr. 22; Serial No. 437,935; published Jan. 28, 1941. Class 39.
Brown, Clarence S., & Co., Inc., New York, N. Y. Woven, netted and knitted fabrics in the piece. 386,717; Apr. 22; Serial No. 437,501; published Feb. 11, 1941. Class 42.
Brown Fence & Wire Company, The, Cleveland, Ohio. Metal fencing. 386,833; Apr. 22; Serial No. 438,605; published Feb. 11, 1941. Class 13.
Brown Rubber Company, Inc., La Fayette, Ind. Sponge rubber. 386,681; Apr. 22; Serial No. 435,640; published Feb. 11, 1941. Class 1.
Brun, Louis, Fils, assignor to Etablissements Brun D'Arre "Le Bas Lys", Arre (Gard), France. Stockings and socks. 130,659; renewed May 4, 1940.
Brunswick Balke-Collender Company, The, Chicago, Ill. Settees, settee end panels, settee end panel mounted glass racks, etc. 386,727; Apr. 22; Serial No. 437,614; published Feb. 11, 1941. Class 32.
Campbell, Orville D., Warren, Ark. Colic and distemper remedy. 141,090; renewed Apr. 12, 1941.
Capitol Lamp Works, Washington, D. C. Electric receptacles. 386,686; Apr. 22; Serial No. 436,245; published Feb. 11, 1941. Class 21.
Carson Pirie Scott & Company, Chicago, Ill. Pictures. 386,788; Apr. 22; Serial No. 438,193; published Feb. 4, 1941. Class 38.
Celanese Corporation of America, New York, N. Y. Staple fibers made wholly or partially of cellulose derivatives. 386,803; Apr. 22; Serial No. 438,266; published Feb. 11, 1941. Class 1.
Celanese Corporation of America, New York, N. Y. Piece goods. 386,859; Apr. 22; Serial No. 439,040; published Feb. 11, 1941. Class 42.
Cerevim Products Corporation, New York, N. Y. Wafers in the nature of crackers or the like. 386,750; Apr. 22; Serial No. 437,855; published Feb. 11, 1941. Class 46.
Champion Paper and Fibre Company, The, Hamilton, Ohio. House organ. 386,808; Apr. 22; Serial No. 438,300; published Feb. 4, 1941. Class 38.
Cheney Brothers, Manchester, Conn., and New York, N. Y. Neckties, cravats, and scarfs. 386,814; Apr. 22; Serial No. 438,375; published Feb. 4, 1941. Class 39.
Chicago Belting Company, assignor to Chicago Belting Company, Chicago, Ill. Leather belting. 145,627; renewed Aug. 16, 1941.
Chicago Dietetic Supply House, Inc., The, Chicago, Ill. Canned fruits and vegetables. 386,722; Apr. 22; Serial No. 437,553; published Feb. 11, 1941. Class 46.
Chicago Manufacturing and Distributing Company, Chicago, Ill. Hand-trucks and barrows and parts thereof. 386,804; Apr. 22; Serial No. 438,267; published Feb. 11, 1941. Class 19.
Chicago Pneumatic Tool Company, Chicago, Ill. Lubricating oil. 141,094; renewed Apr. 12, 1941.
Chief Weavers, Inc., Albuquerque, N. Mex. Hand-woven neckties. 386,679; Apr. 22; Serial No. 435,080; published Oct. 22, 1940. Class 39.
Christians, H. C., Co., Johnson Creek, Wis. Butter. 386,896; Apr. 22. Class 46.
Classy Jean Dresses, Inc., St. Louis, Mo. Dresses. 386,834; Apr. 22; Serial No. 438,610; published Feb. 11, 1941. Class 39.
Clover Creamery Co. Inc., Roanoke, Va. Ice-cream. 144,182; renewed June 28, 1941.
Cohen, Goldman & Co., Inc., New York, N. Y. Coats, vests, pants, etc. 386,636; Apr. 22; Serial No. 367,892; published June 2, 1936. Class 39.
Colby, Jean P., Boston, Mass. Periodical. 386,702; Apr. 22; Serial No. 437,028; published Feb. 4, 1941. Class 38.
Colorado Milling & Elevator Co., The, Denver, Colo., and Weiser, Idaho. Wheat-flour. 146,203; renewed Sept. 6, 1941.
Columbian Art Works, Inc., Milwaukee, Wis. Fiction and/or story books. 386,643; Apr. 22; Serial No. 422,576; published Feb. 11, 1941. Class 38.
Comfort Powder Company, The, Hartford, Conn., assignor, by mesne assignments, to Parke, Davis & Company, Detroit, Mich. Powder. 19,977; re-renewed Aug. 4, 1941.
Consolidated Tea Co. (See Zechowitz, Samuel, assignor.)
Consolidated Textile Corporation, as assignee of Windsor Print Works, North Adams, Mass., and New York, N. Y., assignor, by mesne assignments, to Consolidated Textile Co., Inc., New York, N. Y. Plain white, dyed, or printed cotton piece goods. 146,021; renewed Aug. 23, 1941.
Continental Mills, Inc., Philadelphia, Pa. Overcoats, coats, suits, etc. 386,667; Apr. 22; Serial No. 432,634; published Feb. 4, 1941. Class 39.
Cooperative G. L. F. Products, Inc., Buffalo, N. Y. Molasses. 386,640; Apr. 22; Serial No. 418,432; published Feb. 11, 1941. Class 46.
Cooper's, Incorporated, Kenosha, Wis. Men's and boys' underwear. 386,835; Apr. 22; Serial No. 438,611; published Feb. 11, 1941. Class 39.
Cosby-Hodges Milling Company, Inc. (See Cosby, W. M., Flour & Grain Co.)
Cosby, W. M., Flour & Grain Co., to Cosby-Hodges Milling Company, Inc., Birmingham, Ala., by change of name. Chicken feed, dairy feed, laying mash, etc. 146,075; renewed Aug. 30, 1941.
Coyne and Paddock, Inc., Long Island City, N. Y. Cork sheets. 386,671–2; Apr. 22; Serial Nos. 434,141–2; published Oct. 15, 1940. Class 50.
Crocker, Josiah H., Cambridge, Mass., assignor to L. P. Crocker, Derry, N. H. Preparation for blacking and dressing iron surfaces. 145,641; renewed Aug. 13, 1941.
Davis, A., & Sons, Inc., Jersey City, N. J., and New York, N. Y., Ladies' suits and coats. 386,821; Apr. 22; Serial No. 438,470; published Feb. 4, 1941. Class 39.
Dazor Manufacturing Corporation, St. Louis, Mo. Electrical lighting fixtures. 386,849; Apr. 22; Serial No. 438,833; published Feb. 11, 1941. Class 21.
Deshler Broom Factory, The, Deshler, Nebr. Brooms. 386,739; Apr. 22; Serial No. 437,717; published Jan. 28, 1941. Class 29.
Deshler Broom Factory, Deshler, Nebr. Brooms and whisk brooms. 386,740; Apr. 22; Serial No. 437,718; published Feb. 11, 1941. Class 29.
Deshler Broom Factory, The, Deshler, Nebr. Brooms. 386,741; Apr. 22; Serial No. 437,719; published Jan. 28, 1941. Class 29.
Dewey and Almy Chemical Company, Cambridge, Mass. Printers' blankets. 386,786; Apr. 22; Serial No. 438,172; published Feb. 11, 1941. Class 50.
Dixie Asphalt Products Corporation, Chatham County, Ga. Prepared asphalt roofing. 386,698; Apr. 22; Serial No. 436,839; published Feb. 11, 1941. Class 12.
Dobbs Truss Company, Inc., The, Birmingham, Ala. Trusses for hernia. 386,694; Apr. 22; Serial No. 436,597; published Feb. 11, 1941. Class 44.
Dormer, Frederic J., New York, N. Y. Skis, ski poles, ski bindings, etc. 386,767; Apr. 22; Serial No. 437,998; published Feb. 11, 1941. Class 22
Dunwody, Richard G., Atlanta, Ga. Compound for use in treating coughs, colds, bronchitis, etc. 142,990; renewal May 24, 1941.
Edwards, J., & Co., Philadelphia, Pa. Leather shoes. 386,912; Apr. 22. Class 39.
Elrich, Gebrüder, Hardheim/Nordbaden, Germany. Comminuting machines, shredding machines, mills, etc. 386,650; Apr. 22; Serial No. 424,701; published Feb. 11, 1941. Class 23.
Ellingsworth Mfg. Co., Chicago, Ill. Loose-leaf covers. 386,907; Apr. 22. Class 37.
Emsig, Max, doing business as Emsig Manufacturing Co., New York, N. Y. Plastic buttons. 386,745; Apr. 22; Serial No. 437,763; published Feb. 4, 1941. Class 40.
Etablissements Brun D'Arre "Le Bas Lys". (See Brun, Louis, Fils, assignor.)
Every Buddy's Blouse Co., New York, N. Y. Boys' shirts and pajamas. 386,718; Apr. 22; Serial No. 437,505; published Feb. 4, 1941. Class 39.
Excello Mills Co., St. Joseph, Mo. Live stock and poultry feeds. 386,641; Apr. 22; Serial No. 421,649; published Feb. 11, 1941. Class 46.
Fairplay Knitting Mills. (See Stoumen, Bernard.)
Famous Barr Company. (See May Department Stores, The.)
Fawcett Publications, Inc., Greenwich, Conn. Monthly humorous periodical. 386,890; Apr. 22. Class 38.
Federal Rock Wool Company, Kansas City, Mo. Rock wool. 386,815; Apr. 22; Serial No. 438,385; published Feb. 4, 1941. Class 12.
Flerman-Kolmer Co., Inc., New York, N. Y. Coats, suits, jackets, etc. 386,797; Apr. 22; Serial No. 438,238; published Feb. 11, 1941. Class 39.
Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient tires. 144,391; renewed July 5, 1941.
Flint and Walling Mfg. Co., assignor to Flint & Walling Manufacturing Co., Inc., Kendallville, Ind. Windmills complete with towers and parts. 140,805; renewed Mar. 29, 1941.
Florasynth Laboratories, Incorporated, Unionport, to Florasynth Laboratories, Incorporated, New York, N. Y. Reducing compound for lithographic and printing inks. 143,336; renewed May 31, 1941.
Folmer Graflex Corporation, The, Rochester, N. Y. Photographic apparatus comprising enlargers, cameras, lenses, etc. 386,816; Apr. 22; Serial No. 438,387; published Feb. 11, 1941. Class 26.
Folmer Graflex Corporation, The, Rochester, N. Y. Photographic apparatus comprising enlargers, cameras, lenses, etc. 386,839; Apr. 22; Serial No. 438,691; published Feb. 11, 1941. Class 26.
Frank Tea & Spice Co., The, Cincinnati, Ohio. Insect-powder. 141,553; renewed Apr. 26, 1941.
Frederick Post Company, The, Chicago, Ill. So-called transparent tracing sheets for drafting. 386,731; Apr. 22; Serial No. 437,667; published Jan. 28, 1941. Class 37.
French Veiling Corp., New York, N. Y. Hair nets. 386,893; Apr. 22. Class 39.
Friedman Dress Co., Inc., New York, N. Y. Dresses. 386,715; Apr. 22; Serial No. 437,468; published Feb. 11, 1941. Class 39.
Friedman, J., & Co., Inc., New York, N. Y. Men's and boys' suits, coats, vests, etc. 386,651; Apr. 22; Serial No. 425,236; published Jan. 28, 1941. Class 39.

Gary, Charlotte, Beverage Co. (See Wood, Joseph L., assignor.)
Geyer, William O., doing business as Scientific Glass Apparatus Co., Bloomfield, N. J. Interchangeable tubular glass parts, stoppers, and stop-cocks for glass chemical apparatus, etc. 386,889; Apr. 22. Class 26.
Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Metal working, boring, drilling, and milling machines. 146,233; renewed Sept. 6, 1941.
Gilman, A. S., Printing Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Gilman Fanfold Corporation, Niagara Falls, N. Y. Blank forms. 141,127; renewed Apr. 12, 1941.
Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 386,652; Apr. 22; Serial No. 425,280; published Feb. 11, 1941. Class 23.
Glimbel Brothers, Inc., New York, N. Y. Whiskey. 386,787; Apr. 22; Serial No. 438,178; published Feb. 11, 1941. Class 49.
Golco Sanitary System, Inc., Philadelphia, Pa. Bathroom fixtures and supplies. 145,101; renewed July 26, 1941.
Goldenberg, D., Inc., Philadelphia, Pa. Candy. 386,670; Apr. 22; Serial No. 434,064; published Sept. 24, 1940. Class 46.
Goodman and Company, Indianapolis, Ind. Finger rings. 386,831; Apr. 22; Serial No. 438,579; published Feb. 4, 1941. Class 28.
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Power transmission and conveyor belting. 386,824; Apr. 22; Serial No. 438,542; published Feb. 11, 1941. Class 35.
Goodyear Tire & Rubber Company, Akron, Ohio. Waterproof fabrics containing no rubber of any kind. 386,703; Apr. 22; Serial No. 437,962; published Jan. 28, 1941. Class 50.
Goo-Goo Lunch Room. (See Snipes, James A.)
Gossard, H. W., Co., The, New York, N. Y. Corsets, girdles, and combination corsets and brassières. 386,891; Apr. 22. Class 39.
Graceful Lady Dress Co., Inc., New York, N. Y. Women's and misses' dresses. 386,798; Apr. 22; Serial No. 438,240; published Feb. 4, 1941. Class 39.
Granat Bros., San Francisco, Calif. Mountings for precious and semi-precious stones. 386,654; Apr. 22; Serial No. 426,025; published Feb. 4, 1941. Class 28.
Greenebaum, J., Tanning Company, Chicago, Ill. Leather for soles of shoes. 386,658; Apr. 22; Serial No. 428,912; published Feb. 4, 1941. Class 1.
Grels, H. N., trustee for Deep Rock Oil Corporation, Tulsa, Okla. Gasoline. 386,647–8; Apr. 22; Serial Nos. 424,351–2; published Feb. 4, 1941. Class 15.
Gross, Alexander S., & Co. Inc., New York, N. Y. Dresses and dress ensembles. 386,768; Apr. 22; Serial No. 438,006; published Jan. 28, 1941. Class 39.
Hamilton Organ Company, Indianapolis, Ind., and Chicago, Ill., assignor to The Baldwin Company, Cincinnati, Ohio. Organs. 19,281; re-renewed Apr. 7, 1941.
Hampden Honey Co. (See Labine, Roland A.)
Hart, Schaffner & Marx, Chicago, Ill. Suits, overcoats, vests, etc. 386,817; Apr. 22; Serial No. 438,390; published Feb. 11, 1941. Class 39.
Hartwell, Hall & Co., Troy, assignor to The Shirtcraft Company Incorporated, New York, N. Y. Certain articles of clothing. 144,410–11; renewed July 5, 1941.
Henoch, Philip H., doing business as Henoch, Not Inc., Chicago, Ill. Furniture covers. 386,851; Apr. 22; Serial No. 438,880; published Feb. 11, 1941. Class 32.
Hettrick Manufacturing Company, The, Toledo, Ohio. Cotton goods in the piece. 145,561; renewed Aug. 9, 1941.
Hickey Freeman Company, Rochester, N. Y. Suits, topcoats, and overcoats. 386,668; Apr. 22; Serial No. 432,689; published Feb. 11, 1941. Class 39.
Hogue, Denney R., Nampa, Idaho. Lettuce. 386,687; Apr. 22; Serial No. 436,265; published Feb. 11, 1941. Class 46.
Holland-Racine Shoes, Inc., Holland, Mich. Shoes. 386,901; Apr. 22. Class 39.
Homasote Company, Inc., Fernwood, N. J. Felted fibrous sheets of insulating material. 386,805; Apr. 22; Serial No. 438,270; published Feb. 4, 1941. Class 12.
Houbigant, Inc., as assignee of Parfumerie Houbigant, Paris, France, to Houbigant, Inc., New York, N. Y. Perfumes, toilet waters, sachet, etc. 146,128; renewed Aug. 30, 1941.
Houbigant, Inc., as assignee of Parfumerie Houbigant, Paris, France, assignor to Houbigant, Inc., New York, N. Y. Perfumes, toilet waters, sachets, etc. 146,322–3; renewed Sept. 6, 1941.
Hudson, J. L., Company, The, Detroit, Mich. Men's shirts. 386,769; Apr. 22; Serial No. 438,008; published Feb. 4, 1941. Class 39.
Hunt & Winterbotham Mills, Ltd., New York, N. Y. Face woolen cloth. 386,898; Apr. 22. Class 42.
International Braid Company, Providence, R. I. Lacings for wearing apparel. 386,894; Apr. 22. Class 40.
International Tissue Corp., now by change of name Tissue Products Corporation, assignor to International Tissue Corp., New York, N. Y. Cleansing tissues. 386,732; Apr. 22; Serial No. 437,684; published Feb. 4, 1941. Class 37.

Inventors Products Corp., Chicago, Ill. Leashes. 386,713; Apr. 22; Serial No. 437,411; published Feb. 11, 1941. Class 3.
Isgo Wall Paper Corporation, Chicago, Ill. Wall paper sample books and for wall papers. 386,706; Apr. 22; Serial No. 437,200; published Jan. 28, 1941. Class 37.
Italian Swiss Colony, San Francisco, Calif. Brandy. 386,746; Apr. 22; Serial No. 437,772; published Feb. 11, 1941. Class 49.
Jolibar Hosiery Co., Boston, Mass. Hosiery. 386,673; Apr. 22; Serial No. 434,494; published Jan. 28, 1941. Class 39.
Jordan Marsh Company, Boston, Mass. Play suits. 140,152; renewed Mar. 8, 1941.
Jordan Marsh Company, Boston, Mass. Diaper-cloth in the piece. 140,850; renewed Mar. 29, 1941.
Jordan Marsh Company, Boston, Mass. Articles of clothing. 141,148; renewed Apr. 12, 1941.
Jordan Marsh Company, Boston, Mass. Gloves. 141,150; renewed Apr. 12, 1941.
Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. Parchment papers, waxed papers, wrapping papers, and bond writing-papers. 145,127; renewed July 26, 1941.
Kalart Company Inc., The, New York, N. Y. Cameras and parts thereof. 386,657; Apr. 22; Serial No. 427,345; published Jan. 14, 1941. Class 26.
Kateb, George, Inc., New York, N. Y. Ladies' negligees, hostess coats, house coats, etc. 386,841; Apr. 22; Serial No. 438,737; published Feb. 4, 1941. Class 39.
Kensington Hats, Inc., Philadelphia, Pa. Hats and caps. 386,662; Apr. 22; Serial No. 430,655; published Feb. 4, 1941. Class 39.
Keystone Steel & Wire Company. (See Red Top Steel Post Company, assignor.)
Kimberly-Clark Corporation, Neenah, Wis. Book paper. 386,789; Apr. 22; Serial No. 438,203; published Feb. 11, 1941. Class 37.
King Features Syndicate, Inc., New York, N. Y. Newspaper section. 386,781; Apr. 22; Serial No. 438,138; published Feb. 4, 1941. Class 38.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 386,836; Apr. 22; Serial No. 438,656; published Feb. 11, 1941. Class 40.
Kleinert, I. B., Rubber Company, New York, N. Y. Shower curtains of water repellent fabrics. 386,874; Apr. 22. Class 13.
Kollmorgen Optical Corporation, Brooklyn, N. Y. Lenses for motion-picture projection and similar purposes. 146,277; renewed Sept. 6, 1941.
Kromer-Nierman Co., The, Cleveland, Ohio. Equipment for cooling and dispensing draft beer. 386,728; Apr. 22; Serial No. 437,624; published Feb. 11, 1941. Class 31.
Labine, Roland A., doing business as Hampden Honey Co., Springfield, Mass. Honey. 386,674; Apr. 22; Serial No. 434,563; published Oct. 1, 1940. Class 46.
Lapper, Benjamin, assignor to National Pad & Tablet Corp., New York, N. Y. Blank cards, blank books, paper folders, etc. 386,879; Apr. 22. Class 37.
Latrobe Brewing Company, Latrobe, Pa. Beer, ale, and other malt beverages. 386,752; Apr. 22; Serial No. 437,871; published Feb. 11, 1941. Class 48.
La Valliere Company, The, assignor to The Specialty Products Company, New Orleans, La., a partnership. A semimedicinal toilet preparation. 140,419; renewed Mar. 15, 1941.
La Valliere Co., The, assignor to The Specialty Products Company, New Orleans, La., a partnership. Shampoo. 140,420; renewed Mar. 15, 1941.
Leadway Stores Corporation, also doing business as Leadway Foods, Chicago, Ill. Brooms, mops, and dusters. 386,723; Apr. 22; Serial No. 437,563; published Feb. 11, 1941. Class 29.
Lear Developments, Inc., Mineola, N. Y., now by change of name Lear Avia, Inc. Radio navigational systems and accessories. 386,877; Apr. 22. Class 26.
Lebow Brothers, Baltimore, Md. Men's suits, topcoats, and overcoats. 386,799; Apr. 22; Serial No. 438,244; published Jan. 28, 1941. Class 39.
Leibowitz, Samuel Katz-Ralph, Inc., New York, N. Y. Ladies' and misses' coats, suits, and dresses. 386,751; Apr. 22; Serial No. 437,869; published Jan. 28, 1941. Class 39.
Leon, H. A., & Company Limited, Richmond, England. Women's coats and suits. 386,678; Apr. 22; Serial No. 434,937; published Feb. 4, 1941. Class 39.
Lewel Mfg. Co., Inc., New York, N. Y., assignor to Lewel Manufacturing Co., Inc. Girdles. 386,878; Apr. 22. Class 39.
Lewison, Edward F., Baltimore, Md. Surgical sponges. 386,856; Apr. 22; Serial No. 438,987; published Feb. 11, 1941. Class 44.
Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing units for buildings. 386,704; Apr. 22; Serial No. 437,095; published Feb. 4, 1941. Class 12.
Lily of France Corset Company, Inc., New York, N. Y. Corsets, corselets, and girdles. 386,689; Apr. 22; Serial No. 436,310; published Feb. 4, 1941. Class 39.
Linette Co. (See Lubow, Hyman.)

Linsk, Joseph, Philadelphia, Pa. Children's dresses. 386,644; Apr. 22; Serial No. 423,469; published Nov. 21, 1939. Class 39.

Little Lady Coat Co. Inc., New York, N. Y. Coats and hats. 386,904; Apr. 22. Class 39.

Loewer's, V., Gambrinus Brewery Co., New York, N. Y. Non-alcoholic malt beverages. 140,424; renewed Mar. 15, 1941.

Lord & Taylor, New York, N. Y. Dresses, skirts, coats, etc. 386,800; Apr. 22; Serial No. 438,246; published Jan. 28, 1941. Class 39.

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton and/or rayon piece goods. 386,846; Apr. 22; Serial No. 438,809; published Feb. 11, 1941. Class 42.

Lubow, Hyman, doing business as the Linette Co., New York, N. Y. Cotton and linen piece goods. 386,871-2; Apr. 22; Serial Nos. 439,232-3; published Feb. 11, 1941. Class 42.

Lyons, Gordon V., Inc., New York, N. Y. Ladies' and misses' coats, suits, and coat and suit combinations. 386,762; Apr. 22; Serial No. 437,932; published Jan. 28, 1941. Class 39.

Mauss, Harvey, Seymour, Wis. Hybrid seed corn. 386,649; Apr. 22; Serial No. 424,399; published Jan. 2, 1940. Class 1.

Markwell Mfg. Co., Inc., New York, N. Y. Stapling machines. 386,860; Apr. 22; Serial No. 439,049; published Feb. 11, 1941. Class 23.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's and boys' dress and work shirts, dress and work pants, etc. 386,842, Apr. 22, Serial No. 438,772; published Feb. 11, 1941. Class 39.

Martin's, Brooklyn, N. Y. Coats, raincoats, jackets, etc. 386,711; Apr. 22; Serial No. 437,316; published Feb. 4, 1941. Class 39.

May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo. Shoes. 386,812; Apr. 22; Serial No. 438,346; published Feb. 11, 1941. Class 39.

McCosker, David, Inc., New York, N. Y. Cotton, mohair, woolen, and worsted fabrics. 386,682; Apr. 22; Serial No. 435,803; published Feb. 11, 1941. Class 42.

McDowell, Hugh, Los Angeles, Calif. Electrical cord sets. 386,733; Apr. 22; Serial No. 437,689; published Feb. 11, 1941. Class 21.

McNaught Syndicate, Inc., The, New York, N. Y. Comic strip. 386,825; Apr. 22; Serial No. 438,545; published Feb. 4, 1941. Class 38.

Meisels & Norman, New York, N. Y. Ribbon bows. 386,699; Apr. 22. Serial No. 436,900; published Feb. 11, 1941. Class 40.

Middleton, John, Inc., Philadelphia, Pa. Tobaccos in separate containers. 386,696; Apr. 22; Serial No. 436,655; published Feb. 4, 1941. Class 17.

Millett, Edward L., Danvers, Mass. Patent leather enamel, patent leather varnish, and smoother for patent leather enamel. 140,173; renewed Mar. 8, 1941.

Minerva Instrument Corporation, New York, N. Y. Surgical instruments, dental instruments, veterinary instruments, etc. 386,690; Apr. 22; Serial No. 436,318; published Feb. 11, 1941. Class 44.

Minneapolis Brewing Company, Minneapolis, Minn. Ale. 386,852; Apr. 22. Serial No. 438,890; published Feb. 11, 1941. Class 48.

Minnesota Mining & Mfg. Co., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive paper and abrasive cloth. 141,174-5, renewed Apr. 12, 1941.

Mitchell & Weber, Inc., New York, N. Y. Blouses and dresses. 386,691; Apr. 22; Serial No. 436,433; published Feb. 11, 1941. Class 39.

Modern Curtain Co. Inc., Boston, Mass. Window curtains. 386,869; Apr. 22, Serial No. 439,205; published Feb. 11, 1941. Class 42.

Modern Retreaders (See Rose, Albert P.)

Monarch Marking System Company, The, Dayton, Ohio. Ticket or tag marking and attaching machines. 386,909; Apr. 22. Class 23.

Money-Meters, Inc., Providence, R. I. Coin receiving and registering apparatus, etc. 386,882; Apr. 22. Class 26.

Monsanto Chemical Company, St. Louis, Mo. Artificial plastic materials of cellulose esters and the like. 386,729; Apr. 22; Serial No. 437,628; published Jan. 28, 1941. Class 1.

Multi Products Co. (See Protectoseal Company of America, Inc.)

Murphy, G. C., Company, McKeesport, Pa. Articles of personal apparel. 386,707-8; Apr. 22; Serial Nos. 437,212-13; published Jan. 28, 1941. Class 39.

Myers-Lipman Wool Stock Co., Inc., New York, N. Y. Flock. 386,902; Apr. 22. Class 1.

Myrtle Knitting Mills, Incorporated, Unionville, Conn. Jackets. 386,847; Apr. 22; Serial No. 438,810; published Feb. 11, 1941. Class 39.

Nagel, Morris, doing business as Sportswear, Ltd., Los Angeles, Calif. Ladies' coats, jackets, dresses, outer skirts, blouses, etc. 386,719; Apr. 22; Serial No. 437,523; published Feb. 4, 1941. Class 39.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Electrically operated apparatus and parts thereof. 386,642; Apr. 22; Serial No. 422,372; published Feb. 11, 1941. Class 21.

National Distillers Products Corporation, New York, N. Y. Whiskey. 386,865; Apr. 22; Serial No. 431,949; published Aug. 27, 1940. Class 49.

National Pad & Tablet Corp. (See Lapper, Benjamin, assignor.)

National Silver Company. (See Bernstein, Samuel E., assignor.)

Nelson-Elsmann-Quist Co., The, to The Nelson-Elsmann Company, Chicago, Ill., by change of name. Carbon-paper and typewriter-ribbons. 142,637; renewed May 17, 1941.

Newark Parafline & Parchment Paper Co., Newark N. J. Waxed paper, transparent paper and wrapping paper. 386,656; Apr. 22; Serial No. 427,113; published Jan. 28, 1941. Class 37.

No-Pans Washer Co. (See Walker, Edward.)

North American Dye Corporation, assignor to North American Dye Corporation, Mt. Vernon, N. Y. Dyes. 146,221; renewed Aug. 30, 1941.

Novelty Press, Inc., assignor to Publishers Distributing Corporation, New York, N. Y. Phonograph records. 386,837; Apr. 22; Serial No. 438,663; published Feb. 11, 1941. Class 36.

Nuodex Products Co., Inc., Elizabeth, N. J. Mechanical calculating devices for calculating quantities of paint and varnish ingredients. 386,850; Apr. 22; Serial No. 438,850; published Feb. 11, 1941. Class 26.

Ohio Dairy Co., The, Toledo, Ohio, assignor to Shedd Products Company, Detroit, Mich. Butter substitute. 142,681; renewed May 17, 1941.

Oldetyme Distillers Corporation, New York, N. Y., also known as Oldetyme Distillers Corp. Whiskey. 386,866; Apr. 22; Serial No. 439,172; published Feb. 11, 1941. Class 49.

Olympia Büromaschinenwerke A. G., Erfurt, Germany. Typewriters and parts for the same. 386,822; Apr. 22; Serial No. 438,514; published Feb. 11, 1941. Class 23.

Oneita Knitting Mills, Utica, N. Y. Fleece unionsuits, shirts, ribbed unionsuits, etc. 386,701; Apr. 22; Serial No. 437,012; published Feb. 11, 1941. Class 39.

Owens Staple-Tied Brush Company, The, Toledo, Ohio. Toothbrushes. 386,790; Apr. 22; Serial No. 438,207; published Feb. 11, 1941. Class 29.

Owens Staple-Tied Brush Company, The, Toledo, Ohio. Toothbrushes. 386,791-2, Apr. 22; Serial Nos. 438,210-11; published Feb. 11, 1941. Class 29.

Parfumerie Houbigant. (See Houbigant, Inc.)

Paris Mfg. Co. (See Tanis, Helen.)

Parke, Davis & Company (See Comfort Powder Company, The, assignor.)

Pease Woodwork Company, Inc., Cincinnati, Ohio. Storm and screen unit for double hung windows, Combination. 386,884. Apr. 22. Class 12.

Perfect, Fred H., assignor to The Ruby Chemical Company, Columbus, Ohio. Soldering and tinning flux. 144,038; renewed June 21, 1941.

Pfeiffer Brewing Company, Detroit, Mich. Beer. 386,867; Apr. 22; Serial No. 439,173; published Feb. 11, 1941. Class 48.

Pfister & Vogel Tanning Co., Milwaukee, Wis. Leather. 386,755-7; Apr. 22; Serial Nos. 437,908-10; published Feb. 4, 1941. Class 1.

Pfister & Vogel Tanning Co., Milwaukee, Wis. Leather. 386,758; Apr. 22; Serial No. 437,912; published Feb. 4, 1941. Class 1.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. 386,700; Apr. 22; Serial No. 436,979; published Feb. 11, 1941. Class 35.

Pilgrim Piece Dye Works Inc., New York, N. Y. Printed silk and rayon fabrics. 386,857; Apr. 22; Serial No. 438,902; published Feb. 11, 1941. Class 42.

Pioneer Log Cabin Company, Inc., Pontiac, Mich. Logs for buildings. 386,747; Apr. 22; Serial No. 437,783; published Feb. 4, 1941. Class 12.

Pioneer Publishing Company, Oak Park, Ill. Periodical. 386,720; Apr. 22; Serial No. 437,528; published Feb. 11, 1941. Class 38.

Plee-Zing, Inc., Chicago, Ill. Sensitized photographic film. 386,779; Apr. 22; Serial No. 437,913; published Feb. 11, 1941. Class 26.

Popper-Morson Co., Inc., Jersey City, N. J. Whiskey. 386,748; Apr. 22; Serial No. 437,784; published Feb. 11, 1941. Class 49.

Post, Frederick, Company, The, Chicago, Ill. Engineering and drafting supplies. 386,875; Apr. 22. Class 26.

Powers, Walter P., Chicago, Ill. Blended scotch type whiskey. 386,911; Apr. 22. Class 49.

President Suspender Company, Boston, Mass. Piece goods. 386,783; Apr. 22; Serial No. 438,151; published Feb. 11, 1941. Class 42.

Printz Biederman Company, The, Cleveland, Ohio. Women's and misses' coats and suits. 386,843; Apr. 22; Serial No. 438,775; published Feb. 11, 1941. Class 39.

Protectoseal Company of America, Inc., doing business as Multi Products Co., Chicago, Ill. Plant food. 386,695; Apr. 22; Serial No. 436,630; published Feb. 11, 1941. Class 10.

Provence-Jarrard Company, Greenville, S. C. Periodical publication. 386,645; Apr. 22; Serial No. 423,843; published Feb. 11, 1941. Class 38.

Publishers Distributing Corporation. (See Novelty Press, Inc.)

Queen Lace Co. (See Boutross, Peter.)

R. C. A. Manufacturing Company, Inc., Camden, N. J. Microphones. 386,637; Apr. 22; Serial No. 391,436; published Feb. 11, 1941. Class 21.

Rabinowitz, Mirsky, and Rabinsky, New York, N. Y. Hosiery, underwear, suits, etc. 386,646; Apr. 22; Serial No. 424,061; published Feb. 4, 1941. Class 39.

Raleigh Haberdasher, Inc., Washington, D. C. Coats, suits, dresses, etc. 386,880; Apr. 22. Class 39.

Rand Rubber Company, Brooklyn, N. Y. Brassières and dress shields. 386,908; Apr. 22. Class 39.

Ranger Chemical Corporation, Houston, Tex. Drilling mud. 386,844; Apr. 22; Serial No. 438,776; published Feb. 4, 1941. Class 12.

Raymond Porch Shade Co., Janesville, Wis. Porch and window shades. 386,864; Apr. 22; Serial No. 439,127; published Feb. 11, 1941. Class 32.

Red Rock Fisheries, Inc., Richmond and San Francisco, Calif. Canned fish. 386,680; Apr. 22; Serial No. 435,314; published Feb. 11, 1941. Class 46.

Red Top Steel Post Company, as assignee of Brooke Anderson, Chicago, assignor to Keystone Steel & Wire Company, Peoria, Ill. Wire fencing. 141,481; renewed Apr. 26, 1941.

Register and Tribune Company, The, Des Moines, Iowa. Series of cartoons. 386,730; Apr. 22; Serial No. 437,629; published Feb. 11, 1941. Class 38.

Remington Rand Inc., Buffalo, N. Y. Telephone and memoranda indexes. 386,763; Apr. 22; Serial No. 437,970; published Feb. 4, 1941. Class 37.

Republic Steel Corporation. (See Berger Manufacturing Company, The, assignor.)

Richmond Hosiery Mills, Rossville, Ga. Hosiery. 386,770; Apr. 22; Serial No. 438,018; published Feb. 4, 1941. Class 39.

Robinson Manufacturing Co., Westfield, Mass. Memorandum-books and fillers therefor. 146,343; renewed Sept. 6, 1941.

Rockford Metal Specialty Co., Rockford, Ill. Can-openers, apple-corers, cake-turners, etc. 144,462; renewed July 5, 1941.

Rock Island Lumber Company, St. Paul, Minn. Millwork and laminated wood construction members. 386,806; Apr. 22; Serial No. 438,286; published Feb. 4, 1941. Class 12.

Rose, Albert P., doing business as Modern Retreaders, Nashville, Tenn. Pneumatic tires. 386,684; Apr. 22; Serial No. 435,881; published Feb. 11, 1941. Class 35.

Rosenblum's, Inc., Cleveland, Ohio. Men's suits, hats, and coats; ladies' dresses, hats, coats, etc. 386,734; Apr. 22; Serial No. 437,697; published Feb. 4, 1941. Class 39.

Rosenthal & Doucette, Inc., Beverly, Mass., and New York, N. Y. Women's and misses' shoes. 386,764; Apr. 22; Serial No. 437,971; published Feb. 4, 1941. Class 39.

Roxalin Flexible Lacquer Company, Incorporated, Elizabeth, N. J. Baking enamel—namely, a paint enamel. 386,753; Apr. 22; Serial No. 437,883; published Feb. 11, 1941. Class 16.

Royal Robes, Inc., New York, N. Y. Traveling robe, bath robe, and beach robe. 386,661; Apr. 22; Serial No. 430,290; published Feb. 11, 1941. Class 39.

Rubberset Company, Newark, N. J. Hair and hand-scrub brushes. 386,801; Apr. 22; Serial No. 438,249; published Feb. 11, 1941. Class 29.

Ruby Chemical Company, The. (See Perfect, Fred H., assignor.)

Rusk Oil Company of Philadelphia, Pa., Inc., doing business as Rusk Oil Co., Rusk Oil Co., Inc., Rusk Oil Co. of Philadelphia, Pa., Rusk Oil Company, Incorporated, Rusk Oil Company, and as Rusk Oil Company, Inc., Philadelphia, Pa. Lubricating oils. 386,807; Apr. 22; Serial No. 438,287; published Feb. 4, 1941. Class 15.

Salzman, Herman, doing business as Viking Apparel Manufacturing Company, Chicago, Ill. Uniforms. 386,685; Apr. 22; Serial No. 436,036; published Feb. 11, 1941. Class 39.

Sarfert Hosiery Mills, Inc., Philadelphia, Pa. Men's, women's, and children's hose. 386,819; Apr. 22; Serial No. 438,454; published Feb. 4, 1941. Class 39.

Savard, C. H., doing business as Spring-Foot Manufacturing Company, Los Angeles, Calif. Arch supporters. 386,899; Apr. 22. Class 44.

Savoy Watch Co. Inc., New York, N. Y. Watches, watch-cases, watch movements, and parts thereof. 386,895; Apr. 22. Class 27.

Schenley International Corporation, New York, N. Y. Magazine. 386,663; Apr. 22; Serial No. 431,083; published Feb. 4, 1941. Class 38.

Schindel-McDaniels Co., Inc., New York, N. Y. House-coats, negligees, pajamas, etc. 386,888; Apr. 22. Class 39.

Schmid, Julius, Inc., New York, N. Y. Pessaries. 386,638; Apr. 22; Serial No. 405,569; published Feb. 11, 1941. Class 44.

Schneider, Erika, New York, N. Y. Sugarless foods for health purposes. 386,714; Apr. 22; Serial No. 437,420; published Feb. 11, 1941. Class 46.

Schoellkopf Company, The, Dallas, Tex. Vehicle seat covers. 386,820; Apr. 22; Serial No. 438,457; published Feb. 11, 1941. Class 19.

Schuster, Ed., & Co., Inc., Milwaukee, Wis. Identification plate. 386,709; Apr. 22; Serial No. 437,254; published Feb. 4, 1941. Class 50.

Scientific Glass Apparatus Co. (See Geyer, William O.)

Seaboard Refractories Company, Valentines, Raritan Township, N. J. Refractory bricks of standard and special shapes. 145,221; renewed July 26, 1941.

Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Clothing. 386,823; Apr. 22; Serial No. 438,517; published Feb. 11, 1941. Class 39.

Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's clothing. 386,826; Apr. 22; Serial No. 438,552; published Feb. 4, 1941. Class 39.

Sellers, William, & Company, Incorporated, Philadelphia, Pa. Planers for metal working apparatus. 386,827; Apr. 22; Serial No. 438,553; published Feb. 11, 1941. Class 23.

Shedd Products Company. (See Ohio Dairy Co., The.)

Sheidlower, Samuel, New York, N. Y. Watches, watch-cases, and parts thereof. 386,910; Apr. 22. Class 27.

Shekter, Abraham J., Jamaica, N. Y. Spring scales. 386,793; Apr. 22; Serial No. 438,218; published Feb. 11, 1941. Class 26.

Sherman Press, The, New York, N. Y. Printed advertising tag in combination with a memorandum page and an artificial handkerchief sold as such. 386,904; Apr. 22. Class 38.

Shields Slipper Corporation, Bombay, N. Y. Boots and shoes. 386,892; Apr. 22. Class 39.

Shirley Silk Co., Inc., New York, N. Y. Rayon crepe fabrics in the piece. 386,809; Apr. 22; Serial No. 438,317; published Feb. 11, 1941. Class 42.

Shirley, Walter L., Indianapolis, Ind. Seeds, bulbs, and seedlings. 386,659; Apr. 22; Serial No. 429,106; published Feb. 4, 1941. Class 1.

Shirtcraft Company Incorporated, The. (See Hartwell, Hall & Co.)

Sirota, George, & Company, Inc., New York, N. Y. Vegetable salad and cooking oils, macaroni, and tomato paste. 386,742; Apr. 22; Serial No. 437,742; published Feb. 11, 1941. Class 46.

Slipit Manufacturing Co., College Point, New York, N. Y. Friction eliminator, in the form of a paste-like jelly. 386,683; Apr. 22; Serial No. 435,860; published Feb. 4, 1941. Class 15.

Smith-Lockwood Manufacturing Co., Omaha, Nebr. Mufflers and neckties. 386,885; Apr. 22. Class 39.

Snapout Forms Company, The, Chardon, Ohio. Accounting forms, invoices, purchase orders, etc. 386,655; Apr. 22; Serial No. 426,712; published Jan. 28, 1941. Class 37.

Snipes, James A., doing business as Goo-Goo Lunch Room, Columbus, Ga. Prepared foods. 386,716; Apr. 22; Serial No. 437,485; published Feb. 11, 1941. Class 46.

Snyder, Henry M., & Co., New York, N. Y. Bulletin relating to current books. 386,775; Apr. 22; Serial No. 438,094; published Jan. 28, 1941. Class 38.

Southern Kraft Corporation, New York, N. Y. Paper. 386,660; Apr. 22; Serial No. 429,998; published Jan. 28, 1941. Class 37.

Southern Kraft Corporation, New York, N. Y. Wrapping paper. 386,735; Apr. 22; Serial No. 437,701; published Feb. 4, 1941. Class 37.

Spatz Bros., Inc., New York, N. Y. Raincoats. 386,784; Apr. 22; Serial No. 438,159; published Feb. 11, 1941. Class 39.

Specialty Products Company, The. (See La Valliere Company, The, assignor.)

Sportswear, Ltd. (See Nagel, Morris.)

Spring-Foot Manufacturing. (See Savard, C. H.)

Stanco, Incorporated, New York, N. Y. Salad oil. 386,749; Apr. 22; Serial No. 437,787; published Feb. 11, 1941. Class 46.

Standard Distillers Products, Inc., Baltimore, Md. Egg nog. 386,810; Apr. 22; Serial No. 438,321; published Feb. 11, 1941. Class 49.

Stetson, John B., Company, Philadelphia, Pa. Hats. 386,776; Apr. 22; Serial No. 438,098; published Feb. 4, 1941. Class 39.

Stewart, Seymour J., doing business as Wind-way Fan & Ventilator Company, New Orleans, La. Electric fans. 386,675; Apr. 22; Serial No. 434,582; published Feb. 11, 1941. Class 21.

Stewart-Warner Corporation, Chicago, Ill. Electric ranges and parts therefor. 386,760; Apr. 22; Serial No. 437,919; published Feb. 11, 1941. Class 21.

Stoumen, Bernard, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Sweaters. 386,785; Apr. 22; Serial No. 438,160; published Feb. 11, 1941. Class 39.

Straubel Paper Company, Green Bay, Wis. Toilet tissue, paper towels, and paper napkins. 386,794; Apr. 22; Serial No. 438,221; published Feb. 11, 1941. Class 37.

Stresen-Reuter, Fred'k A., Incorporated, Chicago, Ill. A liquid solution adapted for use as a vehicle for printers' ink, etc. 386,876; Apr. 22. Class 11.

Sund, Cora L., Hollywood, Calif. Rum. 386,863; Apr. 22; Serial No. 439,082; published Feb. 11, 1941. Class 49.

Sunset Oil Company, Los Angeles, Calif. Petroleum products. 386,853; Apr. 22; Serial No. 438,911; published Feb. 4, 1941. Class 15.

Supreme Grand Lodge of the Ancient and Mystical Order Rosae Crucis, The. (See Ancient and Mystical Order Rosae Crucis, assignor.)

Surface Combustion Corporation, Toledo, Ohio. Furnaces used in the industrial arts. 386,845; Apr. 22; Serial No. 438,780; published Feb. 11, 1941. Class 34.

Tanis, Helen, doing business as Paris Mfg. Co., Chicago, Ill. Powder puffs. 386,886; Apr. 22. Class 29.

Taylor, Thomas, & Sons, Inc., Hudson, Mass. Narrow elastic fabrics. 386,861; Apr. 22; Serial No. 439,059; published Feb. 11, 1941. Class 40.
Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Prefabricated steel units. 386,664; Apr. 22; Serial No. 431,178; published Feb. 11, 1941. Class 12.
Texarkana Coffee Company, Texarkana, Tex. Coffee. 386,697; Apr. 22; Serial No. 436,782; published Feb. 11, 1941. Class 46.
Thomson Company, Thomson, Ga. Pants, outer shirts, jackets, etc. 386,666; Apr. 22; Serial No. 432,416; published Dec. 3, 1940. Class 39.
Thomson Company, Thomson, Ga. Men's and boys' ensembles comprising shirts and trousers. 386,724; Apr. 22; Serial No. 437,605; published Jan. 28, 1941. Class 39.
Timber Engineering Company, Washington, D. C. Termite shields. 386,736; Apr. 22; Serial No. 437,703; published Feb. 4, 1941. Class 12.
Tissue Products Corporation. (See International Tissue Corp.)
Toastmasters International, Santa Ana, Calif. Publication. 386,813; Apr. 22; Serial No. 438,364; published Feb. 4, 1941. Class 38.
Tolibia Cheese Corporation, New York, N. Y. Cheese. 386,772; Apr. 22; Serial No. 438,056; published Feb. 11, 1941. Class 46.
Trenton Brass and Machine Company, The, Trenton, N. J. Hardware and plumbing materials. 386,669; Apr. 22; Serial No. 433,366; published Feb. 11, 1941. Class 13.
Trico Products Corporation, Buffalo, N. Y. Vehicle window operators. 386,773; Apr. 22; Serial No. 438,057; published Feb. 11, 1941. Class 19.
Ungerer & Company, New York, N. Y. Natural oil of flowers, leaves, etc., used for scenting purposes. 146,153; renewed Aug. 30, 1941.
Union Twist Drill Company, Athol, and Mansfield, to Union Twist Drill Company, Athol, Mass. Screw-threading tools. 146,387; renewed Sept. 6, 1941.
United States Gasket Company, Camden, N. J. Gaskets. 386,873; Apr. 22; Serial No. 439,245; published Feb. 11, 1941. Class 35.
United States Gypsum Company, Chicago, Ill. Calcined gypsum plaster. 386,653; Apr. 22; Serial No. 425,715; published Feb. 4, 1941. Class 12.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 386,721; Apr. 22; Serial No. 437,539; published Feb. 11, 1941. Class 38.
United States Rubber Company, New York, N. Y. Bicycle tires. 386,832; Apr. 22; Serial No. 438,592; published Feb. 11, 1941. Class 35.
U. S. Ring Traveler Co., Providence, R. I. Ring travelers. 386,795; Apr. 22; Serial No. 438,223; published Feb. 11, 1941. Class 23.
Urban, George, Milling Company, Buffalo, N. Y. Wheat-flour. 144,959; renewed July 19, 1941.
Van Raalte Company Inc., New York, N. Y. Underwear. 386,828–9; Apr. 22; Serial Nos. 438,559–60; published Feb. 11, 1941. Class 39.
Ver Halen, Charles J., Hollywood, Calif. Periodical. 386,900; Apr. 22. Class 38.
Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. Card indexes and folders. 386,710; Apr. 22; Serial No. 437,295; published Feb. 4, 1941. Class 37.
Viking Apparel Manufacturing Company. (See Salzman, Herman.)
Wagner Electric Corporation, St. Louis, Mo. Electrical transformers. 386,848; Apr. 22; Serial No. 438,820; published Feb. 11, 1941. Class 21.
Walter, D. N. & E., & Co., San Francisco, Calif. Carpets and rugs. 386,737; Apr. 22; Serial No. 437,707; published Feb. 11, 1941. Class 42.
Walker, Edward, doing business as No-Pans Washer Co., Cliffside Park, N. J. Gauges for machine and wood screws. 386,840; Apr. 22; Serial No. 438,715; published Feb. 11, 1941. Class 26.
Wanamaker, John, New York, New York, N. Y. Soap. 144,967; renewed July 19, 1941.
Warner, George C., Los Angeles, Calif. Vitamin B concentrate for plant culture. 386,883; Apr. 22. Class 10.
Washington Bottling Works, Inc., Washington, D. C. Beverages, syrups, and extracts. 386,805; Apr. 22; Serial No. 439,133; published Feb. 11, 1941. Class 45.
Webster Eisenlohr Inc., New York, N. Y. Cigars. 386,771; Apr. 22; Serial No. 438,030; published Feb. 11, 1941. Class 17.
Weidlich Sterling Spoon Co., Bridgeport, Conn. Silverware—namely, hollow ware and flat-ware; gold and silver plated ware—namely, cake baskets, etc. 386,754; Apr. 22; Serial No. 437,888; published Feb. 4, 1941. Class 28.
Western Auto Supply Company, Los Angeles, Calif. Storage battery. 386,838; Apr. 22; Serial No. 438,675; published Feb. 11, 1941. Class 21.
Westminster Tobacco Corporation, New York, N. Y. Pipe tobacco. 386,693; Apr. 22; Serial No. 436,589; published Feb. 4, 1941. Class 17.
White, David, Company, Inc., Milwaukee, Wis. Drawing and surveying instruments. 146,405; renewed Sept. 6, 1941.
Whitfield, James P., Memphis, Tenn. Educational card game. 386,870; Apr. 22; Serial No. 439,215; published Feb. 11, 1941. Class 22.
Windsor Print Works. (See Consolidated Textile Corporation, assignor.)
Windsway Fan & Ventilator Company. (See Stewart, J.)
Witt, Currie B., Inc., Charlotte, N. C. Motor lubricating oil. 386,705; Apr. 22; Serial No. 437,161; published Jan. 28, 1941. Class 15.
Wood, Joseph L., Bessemer, Ala., assignor, by mesne assignments, to Charlotte Gary Beverage Co., Charlotte, N. C. Maltless fruit beverage. 139,668; renewed Feb. 8, 1941.
Wood, Russell E., Cleveland Heights, Ohio. Educational card game. 386,738; Apr. 22; Serial No. 437,709; published Feb. 11, 1941. Class 22.
World's Medicine Co., Indianapolis, Ind. Medicinal preparations. 141,277; renewed Apr. 12, 1941.
Yakima Fruit Growers Association, Yakima, Wash. Vegetables. 386,688; Apr. 22; Serial No. 436,296; published Feb. 11, 1941. Class 46.
Zechnowitz, Samuel, assignor to Consolidated Tea Co., Inc., New York, N. Y. Tea. 146,413; renewed Sept. 6, 1941.
Ziff-Davis Publishing Company, Chicago, Ill. Periodical. 386,897; Apr. 22. Class 38.
Ziff-Davis Publishing Company, Chicago, Ill. Pamphlet relating to photography. 386,905; Apr. 22. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Corn, Hybrid seed. H. Maass. 386,640; Apr. 22; Serial No. 424,399; published Jan. 2, 1940.
Fibers, Staple. Celanese Corporation of America. 386,803; Apr. 22; Serial No. 438,266; published Feb. 11, 1941.
Flock. Myers-Lipman Wool Stock Co. 386,902; Apr. 22.
Leather. J. Greenebaum Tanning Company. 386,658; Apr. 22; Serial No. 428,912; published Feb. 4, 1941.
Leather. Pfister & Vogel Tanning Co. 386,755–7; Apr. 22; Serial Nos. 437,908–10; published Feb. 4, 1941.
Leather. Pfister & Vogel Tanning Co. 386,758; Apr. 22; Serial No. 437,912; published Feb. 4, 1941.
Plastic materials of cellulose esters and the like, Artificial. Monsanto Chemical Company. 386,729; Apr. 22; Serial No. 437,628; published Jan. 28, 1941.
Seeds, bulbs, and seedlings. W. L. Shirley. 386,650; Apr. 22; Serial No. 429,106; published Feb. 4, 1941.
Sponge rubber. Brown Rubber Company. 386,681; Apr. 22; Serial No. 435,640; published Feb. 11, 1941.

CLASS 2

Baggage-racks. Adams & Westlake Company. 142,405; renewed May 17, 1941.

CLASS 3

Leashes. Inventors Products Corp. 386,713; Apr. 22; Serial No. 437,411; published Feb. 11, 1941.

CLASS 4

Abrasive paper and abrasive cloth. Minnesota Mining Mfg. Co. 141,174–5; renewed Apr. 12, 1941.
Enamel, varnish, etc., Patent leather. E. L. Millett. 140,173; renewed Mar. 8, 1941.
Preparation for blacking and dressing iron surfaces. J. H. Crocker. 148,641; renewed Aug. 16, 1941.
Soap. John Wanamaker New York. 144,967; renewed July 19, 1941.

CLASS 6

Chemical ink eradicator. American Lead Pencil Company. 140,070; renewed Mar. 8, 1941.
Colic and distemper remedy. O. D. Campbell. 141,090; renewed Apr. 12, 1941.
Compound for use in treating coughs, colds, bronchitis, etc. R. G. Dunwody. 142,090; renewed May 24, 1941.
Dyes. North American Dye Corporation. 146,121; renewed Aug. 30, 1941.
Insect-powder. Frank Tea & Spice Co. 141,553; renewed Apr. 26, 1941.
Medicinal preparations. World's Medicine Co. 141,277; renewed Apr. 12, 1941.
Oil of flowers, leaves, etc., used for scenting purposes, Natural. Ungerer & Company. 146,153; renewed Aug. 30, 1941.
Perfumes, toilet waters, sachet, etc. Houbigant, Inc. 146,128; renewed Aug. 30, 1941.
Perfumes, toilet waters, sachets, etc. Houbigant, Inc. 146,322–3; renewed Sept. 6, 1941.

Powder. Comfort Powder Company. 19,977; re-renewed Aug. 4, 1941.
Shampoo. La Valliere Co. 140,420; renewed Mar. 15, 1941.
Soldering and tinning flux. F. H. Perfect. 144,038; renewed June 21, 1941.
Toilet preparation, Semimedicinal. La Valliere Company. 140,419; renewed Mar. 15, 1941.
Tonic. A. E. Besosa. 140,328; renewed Mar. 15, 1941.

CLASS 10

Plant food. Protectoseal Company of America, Inc. 386,695; Apr. 22; Serial No. 436,630; published Feb. 11, 1941.
Vitamin B concentrate for plant culture. G. C. Warner. 386,883; Apr. 22.

CLASS 11

Carbon-paper and typewriter-ribbons. Nelson-Elsmann-Quist Co. 142,637; renewed May 17, 1941.
Liquid solution adapted for use as a vehicle for printers' ink, etc. Fred'k A. Stresen-Reuter, Incorporated. 386,876; Apr. 22.
Reducing compound for lithographic and printing inks. Florasynth Laboratories, Incorporated. 143,336; renewed May 31, 1941.

CLASS 12

Bricks, Refractory. Seaboard Refractories Company. 145,221; renewed July 26, 1941.
Drilling mud. Ranger Chemical Corporation. 386,844; Apr. 22; Serial No. 438,776; published Feb. 4, 1941.
Glass sheet glazing units for buildings, Multiple. Libbey-Owens-Ford Glass Company. 386,704; Apr. 22; Serial No. 437,095; published Feb. 4, 1941.
Insulating blocks, Rock wool. Baldwin-Hill Company. 386,692; Apr. 22; Serial No. 436,560; published Feb. 4, 1941.
Logs for buildings. Pioneer Log Cabin Company. 386,747; Apr. 22. Serial No. 437,783; published Feb. 4, 1941.
Millwork and laminated wood construction members. Rock Island Lumber Company. 386,806; Apr. 22; Serial No. 438,286; published Feb. 4, 1941.
Patching material, Cellulose. C. H. Barlish. 386,677; Apr. 22; Serial No. 434,772; published Feb. 4, 1941.
Plaster, Calcined gypsum. United States Gypsum Company. 386,653; Apr. 22; Serial No. 425,715; published Feb. 4, 1941.
Rock wool. Federal Rock Wool Company. 386,815; Apr. 22; Serial No. 438,385; published Feb. 4, 1941.
Roofing, Prepared asphalt. Dixie Asphalt Products Corporation. 386,698; Apr. 22; Serial No. 436,839; published Feb. 11, 1941.
Sheets of insulating material, Felted fibrous. Homasote Company. 386,805; Apr. 22; Serial No. 438,270; published Feb. 4, 1941.
Shields, Termite. Timber Engineering Company. 386,736; Apr. 22; Serial No. 437,703; published Feb. 4, 1941.
Steel units, Prefabricated. Tennessee Coal, Iron and Railroad Company. 386,664; Apr. 22; Serial No. 431,178; published Feb. 11, 1941.
Storm and screen unit for double hung windows, Combination. Pease Woodwork Company. 386,884; Apr. 22.

CLASS 13

Bath-room fixtures and supplies. Geleo Sanitary System, Inc. 145,101; renewed July 26, 1941.
Fencing, Metal. Brown Fence & Wire Company. 386,833; Apr. 22; Serial No. 438,605; published Feb. 11, 1941.
Hardware and bath-room accessories. Adams & Westlake Company. 144,333; renewed July 5, 1941.
Hardware and plumbing materials. Trenton Brass and Machine Company. 386,669; Apr. 22; Serial No. 433,366; published Feb. 11, 1941.
Shower curtains or water repellent fabrics. I. B. Kleinert Rubber Company. 386,874; Apr. 22.
Wire fencing. Red Top Steel Post Company. 141,481; renewed Apr. 26, 1941.

CLASS 14

Steels. A. Balfour & Company. 141,854; renewed May 3, 1941.

CLASS 15

Friction eliminator, in the form of a paste like jelly. Slipit Manufacturing Co. 386,683; Apr. 22; Serial No. 435,860; published Feb. 4, 1941.
Gasoline. H. N. Greis. 386,647–8; Apr. 22; Serial Nos. 424,351–2; published Feb. 4, 1941.
Oil, Lubricating. Chicago Pneumatic Tool Company. 141,094; renewed Apr. 12, 1941.
Oils, Lubricating. Rusk Oil Company of Philadelphia, Inc. 386,807; Apr. 22; Serial No. 438,287; published Feb. 4, 1941.
Oil, Motor lubricating. Currie B. Witt, Inc. 386,705; Apr. 22; Serial No. 437,161; published Jan. 28, 1941.
Petroleum products. Sunset Oil Company. 386,853; Apr. 22; Serial No. 438,911; published Feb. 4, 1941.

CLASS 16

Enamel—namely a paint enamel, Baking. Roxalin Flexible Lacquer Company. 386,753; Apr. 22; Serial No. 437,883; published Feb. 11, 1941.
Paint-pigment. Binney & Smith Company. 146,177; renewed Sept. 6, 1941.

CLASS 17

Cigars. Webster-Eisenlohr Inc. 386,771; Apr. 22; Serial No. 438,030; published Feb. 11, 1941.
Tobacco, Pipe. Westminster Tobacco Corporation. 386,693; Apr. 22; Serial No. 436,589; published Feb. 4, 1941.
Tobaccos in separate containers. John Middleton Inc. 386,696; Apr. 22; Serial No. 436,655; published Feb. 4, 1941.

CLASS 19

Trimmings for railway-cars. Adams & Westlake Company. 141,466; renewed Apr. 26, 1941.
Trucks and barrows and parts thereof, Hand. Chicago Manufacturing and Distributing Company. 386,804; Apr. 22; Serial No. 438,267; published Feb. 11, 1941.
Vehicle seat covers. Schoellkopf Company. 386,820; Apr. 22; Serial No. 438,457; published Feb. 11, 1941.
Window operators, Vehicle. Trico Products Corporation. 386,773; Apr. 22; Serial No. 438,057; published Feb. 11, 1941.

CLASS 21

Battery, Storage. Western Auto Supply Company. 386,838; Apr. 22; Serial No. 438,675; published Feb. 11, 1941.
Fans, Electric. S. J. Stewart. 386,675; Apr. 22; Serial No. 434,582; published Feb. 11, 1941.
Electric receptacles. Capitol Lamp Works. 386,686; Apr. 22; Serial No. 436,245; published Feb. 11, 1941.
Electrical cord sets. H. McDowell. 386,733; Apr. 22; Serial No. 437,689; published Feb. 11, 1941.
Electrical lighting fixtures. Dazor Manufacturing Corporation. 386,849; Apr. 22; Serial No. 438,833; published Feb. 11, 1941.
Electrical transformers. Wagner Electric Corporation. 386,848; Apr. 22; Serial No. 438,820; published Feb. 11, 1941.
Electrically operated apparatus and parts thereof. National Co-Operatives, Inc. 386,642; Apr. 22; Serial No. 422,372; published Feb. 11, 1941.
Microphones. R. C. A. Manufacturing Company. 386,637; Apr. 22; Serial No. 391,436; published Feb. 11, 1941.
Ranges and parts therefor, Electric. Stewart-Warner Corporation. 386,760; Apr. 22; Serial No. 437,919; published Feb. 11, 1941.

CLASS 22

Game, Educational card. J. P. Whitfield. 386,870; Apr. 22; Serial No. 439,215; published Feb. 11, 1941.
Game, Educational card. R. E. Wood. 386,738; Apr. 22; Serial No. 437,709; published Feb. 11, 1941.
Game, Tennis. Bloomingdale Bros., Inc. 386,781; Apr. 22; Serial No. 438,115; published Feb. 11, 1941.
Skis, ski poles, ski bindings, etc. F. J. Dormer. 386,767; Apr. 22; Serial No. 437,998; published Feb. 11, 1941.

CLASS 23

Articles of steel cutlery. S. E. Bernstein. 143,909; renewed June 21, 1941.
Can-openers, apple-corers, cake-turners, etc. Rockford Metal Specialty Co. 144,462; renewed July 5, 1941.
Comminuting machines, shredding machines, mills, etc. Gebrüder Eirich. 386,650; Apr. 22; Serial No. 424,701; published Feb. 11, 1941.
Metal working, boring, drilling, and milling machines. Giddings & Lewis Machine Tool Co. 146,233; renewed Sept. 6, 1941.
Planers for metal working apparatus. William Sellers & Company. 386,827; Apr. 22; Serial No. 438,353; published Feb. 11, 1941.
Printing presses. American Type Founders, Incorporated. 386,777; Apr. 22; Serial No. 438,105; published Feb. 11, 1941.
Razor blades, Safety. Gillette Safety Razor Company. 386,652; Apr. 22; Serial No. 425,280; published Feb. 11, 1941.
Ring travelers. U. S. Ring Traveler Co. 386,795; Apr. 22; Serial No. 438,223; published Feb. 11, 1941.
Stapling machines. Markwell Mfg. Co. 386,860; Apr. 22; Serial No. 439,049; published Feb. 11, 1941.
Sweeper, Carpet. Bissell Carpet Sweeper Co. 386,881; Apr. 22.
Ticket or tag marking and attaching machines. Monarch Marking System Company. 386,909; Apr. 22.
Tools, Screw-threading. Union Twist Drill Company. 146,387; renewed Sept. 6, 1941.
Typewriters and parts for the same. Olympia Buromaschinenwerke A. G. 386,822; Apr. 22; Serial No. 438,514; published Feb. 11, 1941.
Windmills complete with towers and parts. Flint and Walling Mfg. Co. 140,805; renewed Mar. 29, 1941.

CLASS 26

Calculating device, Mechanical. Nuodex Products Co. 386,850; Apr. 22; Serial No. 438,850; published Feb. 11, 1941.

Cameras and parts thereof. Kalart Company Inc., The. 386,657; Apr. 22; Serial No. 427,345; published Jan. 14, 1941.
Drawing and surveying instruments. David White Company. 146,405; renewed Sept. 6, 1941.
Engineering and drafting supplies. Frederick Post Company. 386,675; Apr. 22.
Film, Sensitized photographic. Plee-zing, Inc. 386,759; Apr. 22; Serial No. 437,913; published Feb. 11, 1941.
Gauges for machine and wood screws. E. Walker. 386,840; Apr. 22; Serial No. 438,715; published Feb. 11, 1941.
Lenses. Kollmorgen Optical Corporation. 146,277; renewed Sept. 6, 1941.
Photographic apparatus comprising enlargers, cameras, lenses, etc. Folmer Graflex Corporation. 386,816; Apr. 22; Serial No. 438,387; published Feb. 11, 1941.
Photographic apparatus comprising enlargers, cameras, lenses, etc. Folmer Graflex Corporation. 386,839; Apr. 22; Serial No. 438,691; published Feb. 11, 1941.
Projectors, Picture. Advertising Displays Inc. 386,712; Apr. 22; Serial No. 437,398; published Feb. 11, 1941.
Radio navigational systems and accessories. Lear Developments, Inc. 386,877; Apr. 22.
Receiving and registering apparatus, etc., Coin. Money-Meters, Inc. 386,882; Apr. 22.
Scales, Spring. A. J. Shekter. 386,793; Apr. 22; Serial No. 438,218; published Feb. 11, 1941.
Tubular glass parts, stoppers, and stop-cocks for glass chemical apparatus, etc., Interchangeable. W. O. Geyer. 386,889; Apr. 22.

CLASS 27

Watches, watchcases, and parts thereof. S. Sheidlower. 386,910; Apr. 22.
Watches, watchcases, watch movements, and parts thereof. Savoy Watch Co. Inc. 386,895; Apr. 22.

CLASS 28

Mountings for precious and semi precious stones. Granat Bros. 386,654; Apr. 22; Serial No. 426,025; published Feb. 4, 1941.
Rings, Finger. Goodman and Company. 386,831; Apr. 22; Serial No. 438,579; published Feb. 4, 1941.
Silverware. Weidlich Sterling Spoon Co. 386,754; Apr. 22; Serial No. 437,888; published Feb. 4, 1941.

CLASS 29

Brooms. Deshler Broom Factory. 386,739; Apr. 22; Serial No. 437,717; published Jan. 28, 1941.
Brooms. Deshler Broom Factory. 386,741; Apr. 22; Serial No. 437,719; published Jan. 28, 1941.
Brooms and whisk brooms. Deshler Broom Factory. 386,740; Apr. 22; Serial No. 437,718; published Jan. 28, 1941.
Brooms, mops, and dusters. Lendway Stores Corporation. 386,723; Apr. 22; Serial No. 437,563; published Feb. 11, 1941.
Brushes, Hair and hand-scrub. Rubberset Company. 386,801; Apr. 22; Serial No. 438,249; published Feb. 11, 1941.
Powder puffs. H. Tanis. 386,880; Apr. 22.
Toothbrushes. Owens Staple-Tied Brush Company. 386,790; Apr. 22; Serial No. 438,207; published Feb. 11, 1941.
Toothbrushes. Owens Staple-Tied Brush Company. 386,791–2; Apr. 22; Serial Nos. 438,210–11; published Feb. 11, 1941.

CLASS 31

Equipment for cooling and dispensing draft beer. The Kromer-Nierman Co. 386,728; Apr. 22; Serial No. 437,624; published Feb. 11, 1941.

CLASS 32

Covers, Furniture. P. H. Henoch. 386,851; Apr. 22; Serial No. 438,380; published Feb. 11, 1941.
Filing cases, lockers, and shelving, Metal. Berger Manufacturing Company. 142,450; renewed May 17, 1941.
Settees, settee end panels, settee end panel mounted glass racks, etc. The Brunswick-Balke-Collender Company. 386,727; Apr. 22; Serial No. 437,614; published Feb. 11, 1941.
Shades, Porch and window. Raymond Porch Shade Co. 386,864; Apr. 22; Serial No. 439,127; published Feb. 11, 1941.

CLASS 34

Furnaces used in the industrial arts. Surface Combustion Corporation. 386,845; Apr. 22; Serial No. 438,780; published Feb. 11, 1941.

CLASS 35

Belting. B. F. Goodrich Company. 386,824; Apr. 22; Serial No. 438,542; published Feb. 11, 1941.
Belting, Leather. Chicago Belting Company. 145,627; renewed Aug. 16, 1941.
Gaskets. United States Gasket Company. 386,873; Apr. 22; Serial No. 439,245; published Feb. 11, 1941.
Tires. United States Rubber Company. 386,832; Apr. 22; Serial No. 438,592; published Feb. 11, 1941.
Tires and tubes. Pharis Tire and Rubber Company. 386,700; Apr. 22; Serial No. 436,979; published Feb. 11, 1941.
Tires, Pneumatic. A. P. Rose. 386,684; Apr. 22; Serial No. 435,881; published Feb. 11, 1941.
Tires, Resilient. Firestone Tire & Rubber Company. 144,391; renewed July 5, 1941.

CLASS 36

Organs.- Hamilton Organ Company. 19,281; re-renewed Apr. 7, 1941.
Records, Phonograph. Novelty Press, Inc. 386,837; Apr. 22; Serial No. 438,663; published Feb. 11, 1941.

CLASS 37

Books and filers therefor, Memorandum. Robinson Manufacturing Co. 146,343; renewed Sept. 6, 1941.
Card Indexes and folders. Victor Safe & Equipment Company. 386,710; Apr. 22; Serial No. 437,295; published Feb. 4, 1941.
Cards, blank books, paper folders, etc., Blank. B. Lapper. 386,870; Apr. 22.
Forms, Blank. A. S. Gilman Printing Company. 141,127; renewed Apr. 12, 1941.
Forms, Invoices, purchase orders, etc., Accounting. Snap-out Forms Company. 386,655; Apr. 22; Serial No 426,712; published Jan. 28, 1941.
Indexes, Telephone and memoranda. Remington Rand Inc. 386,703; Apr. 22; Serial No. 437,970; published Feb. 4, 1941.
Loose-leaf covers. Ellingsworth Mfg. Co. 386,907; Apr. 22.
Paper. Southern Kraft Corporation. 386,660; Apr. 22; Serial No. 429,998; published Jan. 28, 1941.
Paper, Book. Kimberly-Clark Corporation. 386,789; Apr. 22; Serial No. 438,203; published Feb. 11, 1941.
Paper sample books and for wall papers, Wall. Iago Wall Paper Construction. 386,706; Apr. 22; Serial No. 437,200; published Jan 28, 1941.
Paper towels. Berst-Forster Dixfield Company. 386,802; Apr. 22; Serial No. 438,262; published Feb. 11, 1941.
Paper, transparent paper and wrapping paper, Waxed. Newark Paraffine & Parchment Paper Co. 386,656; Apr. 22; Serial No. 427,113; published Jan. 28, 1941.
Paper, waxed paper, cleansing tissue, etc., Toilet. Badger Paper Company. 386,744; Apr. 22; Serial No. 437,753; published Feb. 11, 1941.
Paper, Wrapping. Southern Kraft Corporation. 386,735; Apr. 22; Serial No. 437,701; published Feb. 4, 1941.
Parchment papers, waxed papers, wrapping papers, and bond writing papers. Kalamazoo Vegetable Parchment Company. 145,127; renewed July 26, 1941.
Sheets for drafting, So-called transparent tracing. Frederick Post Company. 386,731; Apr. 22; Serial No. 437,667; published Jan. 28, 1941.
Tissue, paper towels, and paper napkins, Toilet. Straubel Paper Company. 386,794; Apr. 22; Serial No. 438,221; published Feb. 11, 1941.
Tissues, Cleansing. International Tissue Corp. 386,732; Apr. 22; Serial No. 437,684; published Feb. 4, 1941.

CLASS 38

Books, Fiction and/or story. Columbian Art Works, Inc. 386,643; Apr. 22; Serial No. 422,576; published Feb. 11, 1941.
Bulletin relating to current books. Henry M. Snyder & Co. 386,775; Apr. 22; Serial No. 438,094; published Jan. 28, 1941.
Cartoons, Series of. Register and Tribune Company. 386,730; Apr. 22; Serial No. 437,629; published Feb. 11, 1941.
Comic strip. McNaught Syndicate, Inc. 386,825; Apr. 22; Serial No. 438,545; published Feb. 4, 1941.
Comic strips. G. H. Alworth. 386,639; Apr. 22; Serial No. 417,563; published Feb. 4, 1941.
House organ. Champion Paper and Fibre Company. 386,808; Apr. 22; Serial No. 438,300; published Feb. 4, 1941.
Magazine. Baldwin Company. 143,904; renewed June 21, 1941.
Magazine. Bligh-Palmer & Company. 386,811; Apr. 22; Serial No. 438,327; published Feb. 4, 1941.
Magazine. Schenley International Corporation. 386,663; Apr. 22; Serial No. 431,083; published Feb. 4, 1941.
Magazine, Monthly. Ancient and Mystical Order Rosae Crucis. 145,313; renewed Aug. 2, 1941.
Newspaper section. King Features Syndicate, Inc. 386,782; Apr. 22; Serial No. 438,138; published Feb. 4, 1941.
Pamphlet relating to photography. Ziff-Davis Publishing Company. 386,905; Apr. 22.
Periodical. J. P. Colby. 386,702; Apr. 22; Serial No. 437,028; published Feb. 4, 1941.
Periodical. Pioneer Publishing Company. 386,720; Apr. 22; Serial No. 437,528; published Feb. 11, 1941.
Periodical. C. J. Ver Halen. 386,900; Apr. 22.
Periodical. Ziff-Davis Publishing Company. 386,897; Apr. 22.
Periodical, Monthly humorous. Fawcett Publications, Inc. 386,890; Apr. 22.
Pictures. Carson Pirie Scott & Company. 386,788; Apr. 22; Serial No. 438,193; published Feb. 4, 1941.

Printed advertising tag in combination with a memorandum page and an artificial handkerchief sold as such. Sherman Press. 386,904; Apr. 22.
Publication. Toastmasters International. 386,813; Apr. 22; Serial No. 438,364; published Feb. 4, 1941.
Publication, Periodical. Provence-Jarrard Company. 386,645; Apr. 22; Serial No. 423,843; published Feb. 11, 1941.
Sections of periodical publications. United States News Publishing Corporation. 386,721; Apr. 22; Serial No. 437,539; published Feb. 11, 1941.

CLASS 39

Apparel, Wearing. Bloomingdale Bros., Inc. 386,765; Apr. 22; Serial No. 437,987; published Feb. 4, 1941.
Articles of clothing. Hall Hartwell & Co. 144,410–11; renewed July 5, 1941.
Articles of clothing. Jordan Marsh Company. 141,148; renewed Apr. 12, 1941.
Articles of personal apparel. G. C. Murphy Company. 386,707–8; Apr. 22; Serial Nos. 437,212–13; published Jan. 28, 1941.
Blouses and dresses. Mitchell & Weber, Inc. 386,691; Apr. 22; Serial No. 436,433; published Feb. 11, 1941.
Boots and shoes. Shields Slipper Corporation. 386,892; Apr. 22.
Brassières and dress shields, Combined. Rand Rubber Company. 386,908; Apr. 22.
Clothing. H. A. Selnsheimer Company. 386,823; Apr. 22; Serial No. 438,517; published Feb. 11, 1941.
Clothing. H. A. Selnsheimer Company. 386,826; Apr. 22; Serial No. 438,552; published Feb. 4, 1941.
Coats and hats. Little Lady Coat Co. Inc. 386,906; Apr. 22.
Coats and suits. H. A. Leon & Company. 386,678; Apr. 22; Serial No. 434,937; published Feb. 4, 1941.
Coats and suits. Printz Biederman Company. 386,843; Apr. 22; Serial No. 438,775; published Apr. 11, 1941.
Coats, jackets, dresses, etc. M. Nagel. 386,719; Apr. 22; Serial No. 437,523; published Feb. 4, 1941.
Coats, raincoats, jackets, etc. Martin's. 386,711; Apr. 22; Serial No. 437,316; published Feb. 4, 1941.
Coats, suits, and coat and suit combinations. Gordon V. Lyons, Inc. 386,762; Apr. 22; Serial No. 437,952; published Jan. 28, 1941.
Coats, suits, and dresses. Samuel Katz-Ralph Leibowitz, Inc. 386,751; Apr. 22; Serial No. 437,869; published Jan. 28, 1941.
Coats, suits, dresses, etc. Raleigh Haberdasher, Inc. 386,880; Apr. 22.
Coats, suits, jackets, etc. Fierman-Kolmer Co. 386,797; Apr. 22; Serial No. 438,235; published Feb. 11, 1941.
Coats, vests, pants, etc. Cohen, Goldman & Co. 386,636; Apr. 22; Serial No. 367,892; published June 2, 1936.
Corsets, corselets, and girdles. Lily of France Corset Company. 386,689; Apr. 22; Serial No. 436,310; published Feb. 4, 1941.
Corsets, girdles, and combination corsets and brassières. H. W. Gossard Co. 386,891; Apr. 22.
Dresses. Classy Jean Dresses, Inc. 386,834; Apr. 22; Serial No. 438,610; published Feb. 11, 1941.
Dresses. Friedman Dress Co. 386,715; Apr. 22; Serial No. 437,468; published Feb. 11, 1941.
Dresses. Graceful Lady Dress Co. 386,798; Apr. 22; Serial No. 438,240; published Feb. 4, 1941.
Dresses and dress ensembles. Alexander S. Gross & Co. Inc. 386,768; Apr. 22; Serial No. 438,006; published Jan. 28, 1941.
Dresses, blouses, etc. Bernard Appel, Inc. 386,743; Apr. 22; Serial No. 437,752; published Feb. 4, 1941.
Dresses, Children's. J. Linsk. 386,644; Apr. 22; Serial No. 423,469; published Nov. 21, 1939.
Dresses, skirts, coats, etc. Lord & Taylor. 386,800; Apr. 22; Serial No. 438,246; published Jan. 28, 1941.
Ensembles comprising shirts and trousers. Thomson Company. 386,724; Apr. 22; Serial No. 437,605; published Jan. 28, 1941.
Girdles. Lewel Mfg. Co. 386,878; Apr. 22.
Gloves. Jordan Marsh Company. 141,150; renewed Apr. 12, 1941.
Hair nets. French Veiling Corp. 386,893; Apr. 22.
Hats. John B. Stetson Company. 386,776; Apr. 22; Serial No. 438,098; published Feb. 4, 1941.
Hats and caps. Kensington Hats, Inc. 386,662; Apr. 22; Serial No. 430,655; published Feb. 4, 1941.
Hose. Sarfert Hosiery Mills, Inc. 386,819; Apr. 22; Serial No. 438,454; published Feb. 4, 1941.
Hosiery. Archer Hosiery Mills. 386,774; Apr. 22; Serial No. 438,064; published Feb. 4, 1941.
Hosiery. Berkshire Knitting Mills. 386,887; Apr. 22.
Hosiery. Jolibar Hosiery Co. 386,673; Apr. 22; Serial No. 434,494; published Jan. 28, 1941.
Hosiery. Richmond Hosiery Mills. 386,770; Apr. 22; Serial No. 438,018; published Feb. 4, 1941.
Hosiery, underwear, suits, etc. Rabinowitz, Mirsky, and Rabinsky. 386,646; Apr. 22; Serial No. 424,061; published Feb. 4, 1941.
Housecoats, negligees, pajamas, etc. Schindel-McDaniels Co. 386,888; Apr. 22.
Jackets. Myrtle Knitting Mills, Incorporated. 386,847; Apr. 22; Serial No. 438,810; published Feb. 11, 1941.
Kerchiefs and handkerchiefs. P. Bontross. 386,766; Apr. 22; Serial No. 437,988; published Feb. 4, 1941.
Mufflers and neckties. Smith-Lockwood Manufacturing Co. 386,885; Apr. 22.
Neckties, cravats, and scarfs. Cheney Brothers. 386,814; Apr. 22; Serial No. 438,375; published Feb. 4, 1941.
Neckties, Hand-woven. Chief Weavers, Inc. 386,679; Apr. 22; Serial No. 435,080; published Oct. 22, 1940.
Negligees, hostess coats, house coats, etc. George Kateb, Inc. 386,841; Apr. 22; Serial No. 438,737; published Feb. 4, 1941.
Overcoats, coats, suits, etc. Continental Mills, Inc. 386,667; Apr. 22; Serial No. 432,634; published Feb. 4, 1941.
Pants, outer shirts, jackets, etc. Thomson Company. 386,666; Apr. 22; Serial No. 432,416; published Dec. 3, 1940.
Play suits. Jordan Marsh Company. 140,152; renewed Mar. 8, 1941.
Raincoats. Spatz Bros., Inc. 386,784; Apr. 22; Serial No. 438,159; published Feb. 11, 1941.
Robe, bath robe, and beach robe, Traveling. Royal Robes, Inc. 386,661; Apr. 22; Serial No. 430,290; published Feb. 11, 1941.
Shirts. H & L Block, Ltd. 386,725; Apr. 22; Serial No. 437,612; published Jan. 28, 1941.
Shirts. J. L. Hudson Company. 386,769; Apr. 22; Serial No. 438,008; published Feb. 4, 1941.
Shirts and pajamas. Every Buddy's Blouse Co. 386,718; Apr. 22; Serial No. 437,505; published Feb. 4, 1941.
Shirts, pants, etc., Dress and work. Marlboro Shirt Company. 386,842; Apr. 22; Serial No. 438,772; published Feb. 11, 1941.
Shoes. Bancroft Walker Company. 386,778; Apr. 22; Serial No. 438,109; published Feb. 4, 1941.
Shoes. J. Edwards & Co. 386,912; Apr. 22.
Shoes. Holland-Racine Shoes, Inc. 386,901; Apr. 22.
Shoes. May Department Stores Company. 386,812; Apr. 22; Serial No. 438,346; published Feb. 11, 1941.
Shoes. Rosenthal & Doucette, Inc. 386,764; Apr. 22; Serial No. 437,971; published Feb. 4, 1941.
Shoes and oxfords. A. J. Beford Shoe Inc. 386,903; Apr. 22.
Stockings and socks. Louis Brun Fils. 130,659; renewed May 4, 1940.
Suits and coats. A. Davis & Sons, Inc. 386,821; Apr. 22; Serial No. 438,470; published Feb. 4, 1941.
Suits and top coats. Belk Stores. 386,676; Apr. 22; Serial No. 434,623; published Feb. 11, 1941.
Suits, coats, vests, etc. J. Friedman & Co. 386,651; Apr. 22; Serial No. 425,236; published Jan. 28, 1941.
Suits, hats, and coats. Rosenblum's Inc. 386,734; Apr. 22; Serial No. 437,697; published Feb. 4, 1941.
Suits, overcoats, vests, etc. Hart, Schaffner & Marx. 386,817; Apr. 22; Serial No. 438,390; published Feb. 11, 1941.
Suits, topcoats, overcoats. Hickey Freeman Company. 386,668; Apr. 22; Serial No. 432,689; published Feb. 11, 1941.
Suits, topcoats, and overcoats. Lebow Brothers. 386,799; Apr. 22; Serial No. 438,244; published Jan. 28, 1941.
Sweaters. Brooklyn Knit Sportswear Co. 386,761; Apr. 22; Serial No. 437,935; published Jan. 28, 1941.
Sweaters. B. Stoumen. 386,785; Apr. 22; Serial No. 438,160; published Feb. 11, 1941.
Underwear. Blue Swan Mills, Inc. 386,830; Apr. 22; Serial No. 438,566; published Feb. 4, 1941.
Underwear. Cooper's, Incorporated. 386,835; Apr. 22; Serial No. 438,611; published Feb. 11, 1941.
Underwear. Van Raalte Company. 386,828–9; Apr. 22; Serial Nos. 438,559–60; published Feb. 11, 1941.
Uniforms. H. Salzman. 386,685; Apr. 22; Serial No. 436,036; published Feb. 11, 1941.
Unionsuits, shirts, ribbed unionsuits, etc. Oneita Knitting Mills. 386,701; Apr. 22; Serial No. 437,012; published Feb. 11, 1941.

CLASS 40

Buttons, Plastic. M. Emsig. 386,745; Apr. 22; Serial No. 437,763; published Feb. 4, 1941.
Elastic fabrics, Narrow. Thomas Taylor & Sons, Inc. 386,861; Apr. 22; Serial No. 439,059; published Feb. 11, 1941.
Lacings for wearing apparel. International Braid Company. 386,894; Apr. 22.
Ribbon bows. Meisels & Norman. 386,699; Apr. 22; Serial No. 436,900; published Feb. 11, 1941.
Shields, Dress. I. B. Kleinert Rubber Company. 386,836; Apr. 22; Serial No. 438,656; published Feb. 11, 1941.
Shoe laces and braids. Biltmore Textile Company. 386,818; Apr. 22; Serial No. 438,429; published Feb. 11, 1941.

CLASS 42

Carpets and rugs. D. N. & E. Walter & Co. 386,737; Apr. 22; Serial No. 437,707; published Feb. 11, 1941.
Cloth, Face woolen. Hunt & Winterbotham Mills, Ltd. 386,898; Apr. 22.
Cloth in the piece, Diaper. Jordan Marsh Company. 140,850; renewed Mar. 29, 1941.
Cotton fabrics, rayon fabrics, etc. L. Bachmann & Co. 386,858; Apr. 22; Serial No. 439,011; published Feb. 11, 1941.
Cotton, mohair, woolen, and worsted fabrics. David McCosker, Inc. 386,682; Apr. 22; Serial No. 435,803; published Feb. 11, 1941.

Curtains, Window. Modern Curtain Co. 386,869; Apr. 22; Serial No. 439,205; published Feb. 11, 1941.
Fabrics in the piece, Rayon crepe. Shirley Silk Co. 386,809; Apr. 22; Serial No. 438,317; published Feb. 11, 1941.
Fabrics in the piece, Woven, netted, and knitted. Clarence S. Brown & Co. 386,717; Apr. 22; Serial No. 437,501; published Feb. 11, 1941.
Goods in the piece, Cotton. The Hettrick Manufacturing Company. 145,561; renewed Aug. 9, 1941.
Piece goods, American Bemberg Corporation. 386,854–5; Apr. 22; Serial Nos. 438,060–70; published Feb. 11, 1941.
Piece goods, American Bemberg Corporation. 386,868; Apr. 22; Serial No. 439,185; published Feb. 11, 1941.
Piece goods, Celanese Corporation of America. 386,859; Apr. 22; Serial No. 439,040; published Feb. 11, 1941.
Piece goods, Consolidated Textile Corporation. 146,021; renewed Aug. 23, 1941.
Piece goods, President Suspender Company. 386,783; Apr. 22; Serial No. 438,151; published Feb. 11, 1941.
Piece goods, Cotton and linen. H. Lubow. 386,871–2; Apr. 22; Serial Nos. 439,232–3; published Feb. 11, 1941.
Piece goods, Cotton and/or rayon. M. Lowenstein & Sons, Inc. 386,846; Apr. 22; Serial No. 438,809; published Feb. 11, 1941.
Piece goods, Woolen or worsted. Botany Worsted Mills. 386,862; Apr. 22; Serial No. 439,068; published Feb. 11, 1941.
Silk and rayon fabrics, Printed. Pilgrim Piece Dye Works Inc. 386,857; Apr. 22; Serial No. 438,992; published Feb. 11, 1941.
Towels and toweling. Boott Mills. 386,796; Apr. 22; Serial No. 438,234; published Feb. 11, 1941.

CLASS 44

Arch supporters. C. H. Savard. 386,899; Apr. 22.
Pessaries. Julius Schmid, Inc. 386,635; Apr. 22; Serial No. 405,569; published Feb. 11, 1941.
Surgical instruments, dental instruments, verterinary instruments, etc. Minerva Instrument Corporation. 386,690; Apr. 22; Serial No. 436,318; published Feb. 11, 1941.
Surgical sponges. E. F. Lewison. 386,856; Apr. 22; Serial No. 438,987; published Feb. 11, 1941.
Trusses, Hernia. Dobbs Truss Company. 386,694; Apr. 22; Serial No. 436,597; published Feb. 11, 1941.

CLASS 45

Beverages. Beverage Products Corporation. 386,779–80; Apr. 22; Serial No. 438,111–12; published Feb. 11, 1941.
Beverages, syrups and extracts. Washington Bottling Works, Inc. 386,865; Apr. 22; Serial No. 439,133; published Feb. 11, 1941.
Fruit beverage, Maltless. J. L. Wood. 139,668; renewed Feb. 8, 1941.

CLASS 46

Butter. H. C. Christians Co. 386,896; Apr. 22.
Butter substitute. Ohio Dairy Co., The. 142,081; renewed May 17, 1941.
Candy. D. Goldenberg, Inc. 386,670; Apr. 22; Serial No. 434,064; published Sept. 24, 1940.
Canned fish. Red Rock Fisheries, Inc. 386,680; Apr. 22; Serial No. 435,314; published Feb. 11, 1941.
Canned fruits and vegetables. Chicago Dietetic Supply House, Inc. 386,722; Apr. 22; Serial No. 437,953; published Feb. 11, 1941.
Cheese. Tolibia Cheese Corporation. 386,772; Apr. 22; Serial No. 438,056; published Feb. 11, 1941.
Chicken feed, dairy feed, laying mash, etc. W. M. Cosby Flour & Grain Co. 146,075; renewed Aug. 30, 1941.
Chocolates. Bradns & Gheens. 145,614; renewed Aug. 16, 1941.
Coffee. Texarkana Coffee Company. 386,697; Apr. 22; Serial No. 436,782; published Feb. 11, 1941.
Feeds, Livestock and poultry. Excello Mills Co. 386,641; Apr. 22; Serial No. 421,649; published Feb. 11, 1941.
Flour, Wheat. Colorado Milling & Elevator Co. 146,203; renewed Sept. 6, 1941.
Flour, Wheat. George Urban Milling Company. 144,959; renewed July 19, 1941.
Foods for health purposes, Sugarless. E. Schneider. 386,714; Apr. 22; Serial No. 437,420; published Feb. 11, 1941.
Foods, Prepared. J. A. Snipes. 386,716; Apr. 22; Serial No. 437,485; published Feb. 11, 1941.
Honey. R. A. Labine. 386,674; Apr. 22; Serial No. 434,563; published Oct. 1, 1940.
Ice-cream. Clover Creamery Co. Inc. 144,182; renewed June 28, 1941.
Lettuce. D. R. Hogue. 386,687; Apr. 22; Serial No. 436,265; published Feb. 11, 1941.
Molasses. Cooperative G. L. F. Products, Inc. 386,640; Apr. 22; Serial No. 418,432; published Feb. 11, 1941.
Salad oil. Stanco Incorporated. 386,749; Apr. 22; Serial No. 437,787; published Feb. 11, 1941.
Sandwiches. W. S. Braithwaite. 386,726; Apr. 22; Serial No. 437,613; published Feb. 11, 1941.
Tea. Samuel Zechnowitz. 146,413; renewed Sept. 6, 1941.
Vegetable salad and cooking oils, macaroni, and tomato paste. George Sirota & Company. 386,742; Apr. 22; Serial No. 437,742; published Feb. 11, 1941.
Vegetables. Yakima Fruit Growers Association. 386,688; Apr. 22; Serial No. 436,296; published Feb. 11, 1941.
Wafers in the nature of crackers or the like. Cerevim Products Corporation. 386,750; Apr. 22; Serial No. 437,855; published Feb. 11, 1941.

CLASS 48

Ale. Minneapolis Brewing Company. 386,852; Apr. 22; Serial No. 438,890; published Feb. 11, 1941.
Beer. Pfeiffer Brewing Company. 386,867; Apr. 22; Serial No. 439,173; published Feb. 11, 1941.
Beer, ale, and other malt beverages. Latrobe Brewing Company. 386,752; Apr. 22; Serial No. 437,871; published Feb. 11, 1941.
Beverages, Non alcoholic malt. V. Loewer's Gambrinus Brewery Co. 140,424; renewed Mar. 15, 1941.

CLASS 49

Brandy. Italian Swiss Colony. 386,746; Apr. 22; Serial No. 437,772; published Feb. 11, 1941.
Egg nog. Standard Distillers Products, Inc. 386,810; Apr. 22; Serial No. 438,321; published Feb. 11, 1941.
Rum, C. I. Sund. 386,863; Apr. 22; Serial No. 439,082; published Feb. 11, 1941.
Whiskey. Gimbel Brothers, Inc. 386,787; Apr. 22; Serial No. 438,178; published Feb. 11, 1941.
Whiskey. National Distillers Products Corporation. 386,665; Apr. 22; Serial No. 431,919; published Aug. 27, 1940.
Whiskey. Oldetyme Distillers Corporation. 386,866; Apr. 22; Serial No. 439,172; published Feb. 11, 1941.
Whiskey. Popper-Morson Co. 386,748; Apr. 22; Serial No. 437,784; published Feb. 11, 1941.
Whiskey, Blended scotch type. W. P. Powers. 386,911; Apr. 22.

CLASS 50

Cork sheets. Coyne and Paddock, Inc. 386,671–2; Apr. 22; Serial Nos. 434,141–2; published Oct. 15, 1940.
Identification plate. Ed. Schuster & Co. 386,709; Apr. 22; Serial No. 437,254; published Feb. 4, 1941.
Printers' blankets. Dewey and Almy Chemical Company. 386,786; Apr. 22; Serial No. 438,172; published Feb. 11, 1941.
Waterproof fabrics. Goodyear Tire & Rubber Company. 386,703; Apr. 22; Serial No. 437,062; published Jan. 28, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Upholstery construction. Re. 21,773; Apr. 22.
Bank, Sylvia. (See Bank, Albert M., assignor.)
Chandler-Evans Corporation. (See Chandler, Milton E., and Kittler.)
Chandler, Milton E., Birmingham, and M. J. Kittler, Detroit, Mich., assignors to Chandler-Evans Corporation, Meriden, Conn. Carburetor. Re. 21,774; Apr. 22.
Eagle Chemical Company. (See Schlesinger, Joseph H., assignor.)
Falcon, Jeronimo, Buenos Aires, Argentina. Convertible automobile body. Re. 21,775; Apr. 22.
Hoof, Addison C., Hinsdale, Ill. Combined vehicle speed and automotive engine governor. Re. 21,776; Apr. 22.
Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Pressure and temperature control switch. Re. 21,777; Apr. 22.
Kittler, Milton J. (See Chandler, M. E., and Kittler.
Line Material Company. (See Schultz, William O., and Steinmayer.
Peters, Melville F., Beltsville, Md., and R. H. Stone, Bound Brook, N. J., assignors to Titeflex Metal Hose Co. Internal combustion engine ignition. Re. 21,782; Apr. 22.
Potts, Louis M., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission system. Re. 21,778; Apr. 22.
Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)
Schlesinger, Joseph H., assignor to Eagle Chemical Company, New York, N. Y. Neutralization of acids exuding from silicious cements. Re. 21,779; Apr. 22.
Schultz, William O., South Milwaukee, and A. G. Steinmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Repeating fuse construction. Re. 21,780; Apr. 22.
Soren Corporation, The. (See Toulmin, Harry A., Jr., assignor.)
Stone, R. Harry. (See Peters, M. F., and Stone.)
Titeflex Metal Hose Co. (See Peters, Melville F., and Stone.
Toulmin, Harry A., Jr., assignor to The Soren Corporation, Dayton, Ohio. Method for production of carbon black. Re. 21,781; Apr. 22.
Western Electric Company. (See Potts, Louis M., assignor.)

LIST OF PLANT PATENTEES

Gude, A., Sons, Company. (See Gude, Adolph E., assignor.)
Gude, Adolph E., Rockville, Md., assignor to A. Gude Sons Company, Inc., Washington, D. C. Hybrid tea rose. 462; Apr. 22.

LIST OF DESIGN PATENTEES

American Seating Company. (See Bond, Willard H., Jr., assignor.)
Andrée, Gilberte, New York, N. Y. Dress ensemble. 126,770; Apr. 22.
Andrée, Gilberte, New York, N. Y. Dress ensemble. 126,771; Apr. 22.
Andrée, Gilberte, New York, N. Y. Dress ensemble. 126,772. Apr. 22.
Andrée, Gilberte, New York, N. Y. Dress ensemble. 126,773; Apr. 22.
Aronson, Leo. (See Levitt, B., and Aronson.)
Babson Bros. Co. (See Schilling, Lorrell J., assignor.)
Bagshaw, Frank G., Norwood, R. I. Brooch. 126,739; Apr. 22.
Bence, Frank O., Chicago, Ill. Traffic signal for automobiles. 126,740; Apr. 22.
Blakeman, Marion H., Provincetown, Mass. Hood or similar article. 126,774; Apr. 22.
Blanco, José J. (See Vincent, José D., assignor.)
Bolta Comb Company. (See Seidner, Leo, assignor.)
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. 126,710; Apr. 22.
Bramhall, Arthur, Livingston, N. J. Milk bottle. 126,711; Apr. 22.
Breer, Edna, New York, N. Y. Dress. 126,775; Apr. 22.
Brunetti, Joseph, Carlstadt, assignor to Columbia Protektosite Co., Incorporated, Carlstadt Township, Bergen County, N. J. Pair of goggles or similar article. 126,741; Apr. 22.
Cashin, Bonnie, New York, N. Y. Suit. 126,726; Apr. 22.
Charles, Camille, New York, N. Y. Dress. 126,776; Apr. 22.
Clement, Theodore G., assignor to Eastman Kodak Company, Rochester, N. Y. Projection printer. 126,742; Apr. 22.
Cohen, Harry, New York, N. Y. Belt or similar article. 126,823; Apr. 22
Cohn, Edmund A., West Orange, assignor to The H. A. Wilson Company, Newark, N. J. Ring. 126,727; Apr. 22.
Cole, Arthur, Rye, N. Y. Dress. 126,763; Apr. 22.
Cole, Arthur, Rye, N. Y. Dress. 126,764; Apr. 22.
Coleman, Frances L., Syracuse, N. Y. Hosiery protector. 126,743; Apr. 22.
Columbia Protektosite Co. (See Brunetti, Joseph, assignor.)
Consolidated Sewing Machine & Supply Co. Inc. (See Ingwer, Max, assignor.)
Cooper, Leo M., Yonkers, N. Y. Uniform dress or the like. 126,777; Apr. 22.
Cooper, Leo M., Yonkers, N. Y. Uniform dress or the like. 126,778; Apr. 22.
Cooper, Leo M., Yonkers, N. Y. Uniform dress or the like. 126,779; Apr. 22.
Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp, table, and radio receiving set. 126,780; Apr. 22.
Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp, table, and radio receiving set. 126,781; Apr. 22.
Crown Manufacturing Co. (See Maescher, Albert, assignor.)
Culver, Edwin R., Jr., St. Louis, Mo. Range. 126,728; Apr. 22.
Cummings, Israel, New York, N. Y. Textile fabric. 126,712; Apr. 22.
Cummings, Israel, New York, N. Y. Textile fabric. 126,713; Apr. 22.
Detrick, Wayne B., Winterset, Iowa. Roadway instruction device. 126,698; Apr. 22.
Ditchik, Louis, and N. Rubin, New York, N. Y. Lapel pin or similar article. 126,782; Apr. 22.
Doerr, G. William, Chicago, Ill., assignor to W. C. Grunow, Lake Geneva, Wis. Store front. 126,714; Apr. 22.
Doppelt, Charles, Chicago, Ill. Traveling bag. 126,715; Apr. 22.
Eastman Kodak Company. (See Clement, Theodore G., assignor.)
Eckert, Cleda A., Jasper, Ind. Doll. 126,729; Apr. 22.
Edelmann, Irma, Palisade, N. J. Game board. 126,699; Apr. 22.
Fabry, Rae H., et al. (See Norris, William A., assignor.)
Fabry, William H. (See Norris, William A., assignor.)
Faller, Rose, New York, N. Y. Textile fabric. 126,716; Apr. 22.
Faller, Rose, New York, N. Y. Textile fabric. 126,754; Apr. 22.
Faller, Rose, New York, N. Y. Textile fabric. 126,755; Apr. 22.
Faller, Rose, New York, N. Y. Textile fabric. 126,756; Apr. 22.
Faller, Rose, New York, N. Y. Textile fabric. 126,757; Apr. 22.
Faller, Rose, New York, N. Y. Textile fabric. 126,758; Apr. 22.
Faller, Rose, New York, N. Y. Textile fabric. 126,759; Apr. 22.

Faller, Rose, New York, N. Y. Textile fabric. 126,760; Apr. 22.
Fee and Stemwedel, Inc. (See MacCowan, Hervey L., assignor.)
Freedman, Ruth A., New York, N. Y. Drape holder. 126,700; Apr. 22.
Futterman, Sidney, Bronx, N. Y. Combined twine cutter and support. 126,717; Apr. 22.
Gibson Electric Refrigerator Corporation. (See Janes, Richard B., assignor.)
Gleringer, Carl K., assignor to The Liebel Flarsheim Company, Cincinnati, Ohio. Electrode for a therapeutic machine. 126,824; Apr. 22.
Grieshaber, Martha R., Chicago, Ill. Adenotome. 126,718; Apr. 22.
Grunow, William C. (See Doerr, G. William, assignor.)
Harman, Emil L., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Phonograph tone arm head. 126,810; Apr. 22.
Hobé, William W., New York, N. Y. Bracelet or similar article. 126,783; Apr. 22.
Hobé, William W., New York, N. Y. Bracelet or similar article. 126,784; Apr. 22.
Hobé, William W., New York, N. Y. Bracelet or similar article. 126,785; Apr. 22.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 126,786; Apr. 22.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 126,787; Apr. 22.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 126,811; Apr. 22
Holophane Company. (See Rolph, Thomas W., assignor.)
Hurwitz, Bernard, New York, N. Y. Dress. 126,812; Apr. 22.
Ingwer, Max, Forest Hills, assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Skirt marker. 126,730; Apr. 22.
Janes, Richard B., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerator cabinet. 126,701; Apr. 22.
Jensen, Hans C., Sacramento, Calif. Dispenser cap. 126,745; Apr. 22.
Jones, Wallace S., Cambridge, Mass. Display case. 126,702; Apr. 22.
Karoff, Robert B., New York, N. Y., assignor to Stuart Products Co., Inc., St. Paul, Minn. Combined holder and perfume container. 126,813; Apr. 22.
Kavenagh, William E., Windsor, Vt., assignor to Wingfoot Corporation, Wilmington, Del. Shoe sole. 126,744; Apr. 22.
Keney, Victor, New York, N. Y. Doll. 126,703; Apr. 22
Koehne, John L., New York, N. Y. Textile fabric 126,719; Apr. 22.
Koenig, Robert, Hasbrouck Heights, N. J. Embroidered lace trimming, or similar article. 126,746; Apr. 22.
Kohnken, Charles H., New York, N. Y. Textile fabric. 126,704; Apr. 22.
Kolisch, Paul E. L., San Francisco, Calif. Pillow. 126,823; Apr. 22.
Kraissl, Frederick, Jr., Hackensack, N. J. Filter units. 126,720; Apr. 22.
Kraissl, Frederick, Jr., Hackensack, N. J. Filter unit. 126,731; Apr. 22.
Landberg, George, Bronx, N. Y. Mitten. 126,788; Apr. 22.
Lane, Jack, New York, N. Y. Combined display container and chewing gum, candy or the like. 126,826; Apr. 22.
Langer, Harry, New York, N. Y. Dress. 126,789; Apr. 22.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 126,790; Apr. 22.
Levitt, Benjamin, Newark, and L. Aronson, Hillside, assignors to A. L. Siegel Co., Inc., Newark, N. J. Sachet tassel doll. 126,791; Apr. 22.
Liebel Flarsheim Company, The. (See Gleringer, Carl K., assignor.)
Lubin, Henry G. (See Vivaudou, J. E., and Lubin.)
MacCowan, Hervey L., Wilmette, assignor to Fee and Stemwedel, Inc., Chicago, Ill. Oven thermometer. 126,705; Apr. 22.
Maescher, Albert, assignor to Crown Manufacturing Co., St. Louis, Mo. Flatiron. 126,747; Apr. 22.
Maidman, Ada, New York, N. Y. Dress ensemble. 126,792; Apr. 22.
Marchesa, Jane, Flushing, N. Y. Dress ensemble. 126,795; Apr. 22.
May, Helen, New York, N. Y. Dress. 126,814; Apr. 22.
May, Helen, New York, N. Y. Dress. 126,815; Apr. 22.
Mills, Dwight S., Burbank, Calif. Glove. 126,793; Apr. 22.
Minnesota Mining & Manufacturing Company. (See Reinecke, Jean O., assignor.)
Moloney, Raymond F. (See Nicolaus, Frank G., assignor.)
Morimura Bros., Inc. (See Leigh, Cyril W., assignor.)
Moss, Edward H., New York, N. Y. Textile fabric. 126,761; Apr. 22.
Nadel, Ottilie C., New York, N. Y. Dress. 126,794; Apr. 22.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 126,795; Apr. 22.
Nicolaus, Frank G., assignor to R. T. Moloney, Chicago, Ill. Bumper for ball rolling game device. 126,706; Apr. 22.
Norris, William A., Alhambra, Calif., assignor to W. H. and R. H. Fabry, as joint tenants. Air conditioner. 126,707; Apr. 22.
Patterson, Laura B., New York, N. Y. Shirt or similar article. 126,816; Apr. 22.
Philco Radio and Television Corporation. (See Harman, Emil L., assignor.)
Philippe, Alfred, New York, N. Y. A pin clip. 126,796; Apr. 22.
Philippe, Alfred, New York, N. Y. A pin clip. 126,797; Apr. 22.
Philippe, Alfred, New York, N. Y. A pin clip. 126,798; Apr. 22.
Philippe, Alfred, New York, N. Y. A brooch or similar article. 126,799; Apr. 22.
Philippe, Alfred, New York, N. Y. Pin clip. 126,827; Apr. 22.
Pierson, Wesley R., Minneapolis, Minn. Commercial building. 126,708; Apr. 22.
Plastic Novelties, Inc. (See Ross, Joseph, assignor.)
Posner, Harry, New York, N. Y. A dress. 126,766; Apr. 22.
Potter, Clare, West Nyack, N. Y. Dress. 126,817; Apr. 22.
Potter, Clare, West Nyack, N. Y. Dress. 126,818; Apr. 22.
Rauch, Nathan A., New York, N. Y. A coat. 126,767; Apr. 22.
Reich, Samuel, Chicago, Ill. A dress ensemble. 126,800; Apr. 22.
Reinecke, Jean O., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 126,732; Apr. 22.
Reinecke, Jean O., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 126,733; Apr. 22.
Reiss, Jacob C., Newark, and N. A. Snedeker, Irvington, N. J. Pair of spectacles. 126,748; Apr. 22.
Rhodes, Gilbert J., New York, N. Y. A clothes hanger. 126,801; Apr. 22.
Rhodes, Herbert A., New York, N. Y. Clock. 126,749; Apr. 22.
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lighting fixture. 126,750; Apr. 22.
Ross, Joseph, Brooklyn, N. Y., assignor to Plastic Novelties, Inc. Pencil sharpener. 126,734; Apr. 22.
Rubin, Noah. (See Ditchik, L., and Rubin.)
Schilling, Lorell J., Brookfield, Ill., assignor to Babson Bros. Co. Strain insulator. 126,721; Apr. 22
Schilling, Lorell J., Brookfield, Ill., assignor to Babson Bros. Co. Line insulator. 126,722; Apr. 22
Seidner, Leo, Rockville Centre, assignor to Bolta Comb Company, Inc., New York, N. Y. Comb. 126,723; Apr. 22.
Seidner, Leo, Rockville Centre, assignor to Bolta Comb Company, Inc., New York, N. Y. Comb. 126,724; Apr. 22.
Shapiro, Nat, New York, N. Y. Dress. 126,819; Apr. 22.
Shapiro, Nat, New York, N. Y. Dress. 126,820; Apr. 22.
Shapiro, Nat, New York, N. Y. Dress. 126,828; Apr. 22.
Siegel, A. L., Co. (See Levitt, B., and Aronson, assignors.)
Siegenfeld, Herman, Larchmont, N. Y. A dress. 126,802; Apr. 22.
Silverstein, Hyman, Cleveland, Ohio. Printing machine. 126,751; Apr. 22.
Snedeker, Norman A. (See Reiss, J. C., and Snedeker.)
Stix, Frances T., New York, N. Y. A dress. 126,803; Apr. 22.
Stix, Frances T., New York, N. Y. A dress. 126,804; Apr. 22.
Stix, Frances T., New York, N. Y. A dress. 126,805; Apr. 22.
Stix, Frances T., New York, N. Y. A dress. 126,806; Apr. 22.
Stuart Products Co. (See Karoff, Robert B., assignor.)
Szerlip, Irving, New York, N. Y. Dress. 126,821; Apr. 22.
Turner, Ralph R. P., University Park, Md. A plenum. 126,708; Apr. 22.
Turner, Ralph R. P., University Park, Md. A plenum. 126,709; Apr. 22.
Vicent, José D., assignor to J. J. Blanco, Mexico, D. F., Mexico. Bottle. 126,725; Apr. 22.
Vivaudou, Jean E., New York, N. Y. A combined perfume bottle and holders therefor. 126,807; Apr. 22.
Vivaudou, Jean E., New York, N. Y. Combined sachet ball, perfume bottle and holders therefor. 126,822; Apr. 22.
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Combined sachet doll and container therefor. 126,735; Apr. 22.
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Combined perfume bottle and holder therefor. 126,736; Apr. 22.
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Combined perfume bottle and holder therefor. 126,737; Apr. 22.
Walker, Joset, New York, N. Y. A dress ensemble. 126,808; Apr. 22.
Walker, Joset, New York, N. Y. A dress. 126,809; Apr. 22.

Warren, Max, Anna, Ill. Combined coat and hat hook. 126,709; Apr. 22.
Webber, Charles H. (See Webber, Ralph and C. H.)
Webber, Ralph, and C. H., Philadelphia, Pa. Eye shield. 126,738; Apr. 22.
Welsh, Matilda D., Ladue Village, Mo. Canopy for baby carriage. 126,752; Apr. 22.
Wingfoot Corporation. (See Kavenagh, William E., assignor.)
Wilson, H. A., Company, The. (See Cohn, Edmund A., assignor.)
Xiques, Charles G., Port Richmond, N. Y. Garment hanger. 126,753; Apr. 22.
Zimmerman, Allan, New York, N. Y. Textile fabric. 126,762; Apr. 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Winding machine. 2,238,923; Apr. 22.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Acme Fishing Tool Company. (See Gage, Lonnie L., assignor.)
Ackumulator Fabriksaktiebolaget Tudor. (See Vigren, Sten D., assignor.)
Adams, Harry B., Chicago, Ill., assignor to Cherry-Burrell Corporation, Wilmington, Del. System for making ice cream. 2,239,165; Apr. 22.
Adams, Joseph L., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Tool. 2,239,072; Apr. 22.
Adams, Thomas R., Quincy, Ill. Knitting device. 2,239,212; Apr. 22.
Akron Standard Mold Company. (See Bostwick, Henry C., assignor.)
Aktiebolaget Bofors. (See Hammer, Victor, assignor.)
Aktiebolaget Milo. (See Lysholm, Alf, assignor.)
Albin, Frederick G., Los Angeles County, assignor to Hollytech Incorporated, Los Angeles, Calif. Electric time delay device. 2,238,987; Apr. 22.
Alden, Milton, Brockton, Mass. Tube socket. 2,239,638; Apr. 22.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Frequency controlling system. 2,239,436; Apr. 22.
Allen, Joseph W., East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Step-by-step mechanism. 2,239,310; Apr. 22.
Allen, Samuel E., Dansville, and C. L. Kerr, Pike, N. Y. Snow shovel. 2,239,297; Apr. 22.
Allin, George S., Seattle, Wash. Unflow valve. 2,239,139; Apr. 22.
Allis-Chalmers Manufacturing Company. (See Lellter, Chester P., assignor.)
Almond, Lester L. (See Baker, J. F., Almond, Ferguson, and Madsen.)
Alton, Alvin J. (See North, G. C., Stebnitz, and Alton.)
Altvater, Arthur W., University City, Mo. Making shoes. 2,239,377; Apr. 22.
Aluminum Company of America. (See Rogerson, William M., assignor.)
Aluminum Company of America. (See Stroup, Philip T., assignor.)
Amberson, Linton C., Adenburg, Pa. Paint. 2,239,478; Apr. 22.
American Bosch Corporation. (See Martin, J. F., and Crocker, assignors.)
American Broach Machine Co. (See Lapointe, Francis J., assignor.)
American Chain & Cable Company. (See Hegelheimer, Herbert C., assignor.)
American Cyanamid Company. (See Chmenko, David R., assignor.)
American District Telegraph Company. (See Evans, Francis C., assignor.)
American Flange & Manufacturing Co. (See Sykes, George, assignor.)
American Lead Pencil Company. (See Jucles, David, assignor.)
American Largi Corporation. (See Blerbrauer, Ernst, assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
Amidon, Charles H., assignor to Norton Company, Worcester, Mass. Cutter and tool grinding machine. 2,239,629; Apr. 22.
Amundson, Ernest, New York, N. Y. Plaster cutting tool. 2,239,585; Apr. 22.
Anderson, Harley E., Chicago, Ill., assignor of one-half to W. F. White, Fort Worth, Tex. Brake beam. 2,239,186; Apr. 22.
Anderson, John W., assignor to Productive Inventions Inc., Gary, Ind. Rearview mirror. 2,238,877; Apr. 22.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper carriage for accounting machines. 2,239,640; Apr. 22.
Andrews, John S., St. Paul, and L. H. Evans and L. J. Huber, Minneapolis, Minn., assignors to General Mills, Inc. Mineral fortification of foodstuffs. 2,239,543; Apr. 22.
Antonopulos, Christ K., Chicago, Ill. Direction indicator signal. 2,239,544; Apr. 22.
Appleby, Peter W., Odessa, Tex. Well washing apparatus. 2,239,588; Apr. 22.
Arden Farms Co. (See Ray, Don, assignor.)

Arey, Fred C., Freeport, and D. E. Hibner, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Apparatus for cleaning crankshafts. 2,239,073; Apr. 22.
Artman, Charles E., Spokane, Wash. Ski horse. 2,239,213; Apr. 22.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel-making machine. 2,238,688; Apr. 22.
Astley, William F., Cicero, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Heat insulating tape. 2,239,281; Apr. 22.
Astley, William F., Cicero, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Machine and method of weaving insulation. 2,239,514; Apr. 22.
Astrup Company, The. (See Helser, Henry C., assignor.)
Aull, William J., Jr., and G. L. West, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Paneled wall construction. 2,239,545; Apr. 22.
Aurex Corporation. (See Cubert, Joseph R., assignor.)
Auto Specialties Manufacturing Company. (See Lucker, Millard R., assignor.)
Automatic Products Company. (See Johnson, R. W., and Pawelsky, assignors.)
Avery, Clarence W., assignor to The Murray Corporation of America, Detroit, Mich. Sewing head. 2,239,311; Apr. 22.
Babcock & Wilcox Company, The. (See Bailey, Ervin G., assignor.)
Bailey, Ervin G., Easton, Pa., assignor, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J. Furnace. 2,239,602; Apr. 22.
Bailey, Perkins H., New York, N. Y., assignor to Talon, Inc. Jacket. 2,239,074; Apr. 22.
Baird, Dudley. (See Pike, R. D., and Baird.)
Baltz, Alexander and S., Royal Park, Victoria, Australia. Bandage. 2,238,878; Apr. 22.
Baltz, Sampson. (See Baltz, Alexander and S.)
Bakeman, Edwin A., assignor of one-half to C. B. Kern, Redding, Mich. Sash holder. 2,239,214; Apr. 22.
Baker, Chester L. (See Vail, J. G., and Baker.)
Baker & Company. (See Hopps, Bernard, assignor.)
Baker & Company. (See Pritchard, Sydney H., assignor.)
Baker, James F., Troy, L. L. Almond, North Troy, F. Ferguson, Troy, and L. P. Madsen, North Troy, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Garment reinforcing means. 2,239,028; Apr. 22.
Baldwin Locomotives Works, The. (See Stadlin, Myer N., assignor.)
Banks, Claude R., San Francisco, Calif. Clock mechanism. 2,239,215; Apr. 22.
Banning, Frederick D., Los Angeles, assignor, by mesne assignments, to Memovox, Inc., Beverly Hills, Calif. Stylus head mounting. 2,239,359; Apr. 22.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Dump body. 2,239,029; Apr. 22.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,239,194; Apr. 22.
Bartlett, Jeffrey H., Cranford, N. J., and M. F. Fincke, New York, N. Y., assignors to Standard Oil Development Company. Alkyl aralkyl ethers substituted by high molecular weight alkyl groups. 2,239,515; Apr. 22.
Barton, Hiram J. and R. H., assignors of thirty-one one-hundredths to F. L. Szafranski and one tenth to C. E. Wisner, Detroit, Mich. Automatically expandible polishing and buffing wheel. 2,239,140; Apr. 22.
Barton, Robert H. (See Barton, Hiram J. and R. H.)
Baule, Gerhard H. J. (See Cooper, J., and Baule.)
Bayer, Harry, Valley Stream, assignor to New York Silicate Book Slate Co. Inc., New York, N. Y. Safety latch. 2,238,963; Apr. 22.
Beach, Justice H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,239,141; Apr. 22.
Beatrice Creamery Company. (See North, G. C., Stebnitz, and Alton, assignors.)
Beatty, William E. (See Spear, Howard G., assignor.)
Becker, Charles, Strasbourg, France. Apparatus for temporarily rendering secondary representations visible on a transparent primary representation. 2,239,187; Apr. 22.
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 2,239,437; Apr. 22.
Bell Aircraft Corporation. (See Woods, R. J., and Wolf, assignors.)
Bell, Frank S. (See Stewart, R. J., and Bell.)
Bendix Aviation Corporation. (See Allen, Joseph W., assignor.)

Bendix Aviation Corporation. (See Berges, Donald M., assignor.)
Bendix Home Appliances, Inc. (See Bradbury, Clifford C., assignor.)
Bennett, Clement K., assignor to C. H. Wheeler Manufacturing Co., Philadelphia, Pa. Heat transfer apparatus. 2,238,924; Apr. 22.
Benos, Nicholas K., Salt Lake City, Utah. Respirator. 2,238,964; Apr. 22.
Berges, Donald M., Montclair, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Electromagnetic apparatus. 2,239,312; Apr. 22.
Berghaus, Bernhard. (See Burkhardt W., Ramert, Reinecke, and Wehnelt, assignors.)
Bersin, Albert, New York, N. Y. Rack and base. 2,239,360; Apr. 22.
Berthold, Emily M., Jamaica, N. Y., assignor to W. G. Scroxton, Bradford, Pa. Lighter. 2,239,479; Apr. 22.
Bertram, John H., Boise, Idaho. Timing device for fuel injection pumps. 2,239,587; Apr. 22.
Beschkine, Leon, Paris, France. Positively and progressively acting speed varying device. 2,239,313; Apr. 22.
Biddle, Frank L., Muskegon Heights, Mich. Amusement device. 2,239,030; Apr. 22.
Biedermann, Friedrich, Unterhaching, near Munich, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for producing photographic sound records. 2,239,075; Apr. 22.
Bledess, Anthony R., assignor to Goodman Manufacturing Company, Chicago, Ill. Mucking machine. 2,239,076; Apr. 22.
Bierbrauer, Ernst, Leoben, Germany, assignor to American Largi Corporation, New York, N. Y. Apparatus for mechanically separating mineral mixtures. 2,239,216; Apr. 22.
Bierend, Alfred, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elastic sleeve connection. 2,239,641; Apr. 22.
Bierenfeld, Josef, Milwaukee, Wis., and L. G. Macchtlen, Beverly Hills, Calif., assignors to Square D Company, Detroit, Mich. Electric switch. 2,239,031; Apr. 22.
Black, Lloyd V. (See Minton, G. Z., and Black.)
Black, Lloyd V., and G. Z. Minton, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Process and apparatus for bending glass sheets. 2,239,546; Apr. 22.
Blackhawk Mfg. Co. (See Brumder, Herbert P., assignor.)
Blair, David, Chicago, Ill. Undergarment. 2,239,516; Apr. 22.
Boch, Alfred, Yorktown Heights, N. Y., assignor to E. Leitz, Inc. Apparatus for examining films. 2,239,032; Apr. 22.
Boes, Walter W., Dayton, Ohio. Film cartridge loader. 2,239,188; Apr. 22.
Bonat, Harry, New York, N. Y. Method and means of producing heat by exothermic reaction. 2,239,410; Apr. 22.
Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Radio range. 2,238,965; Apr. 22.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Terpene-cyanoacyl compounds and producing same. 2,239,495; Apr. 22.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Terpene-cyanoacyl compound and producing same. 2,239,496; Apr. 22.
Borland, Bruce, Chicago, Ill. Seal. 2,238,966; Apr. 22.
Bosch, Robert, Gesellschaft mit Beschränkter Haftung. (See Straub, K., and Ellwanger, assignors.)
Bostwick, Henry C., Coventry Township, Summit County, assignor to Akron Standard Mold Company, Akron, Ohio. Tire building apparatus. 2,239,453; Apr. 22.
Bradbury, Clifford C., Glencoe, Ill., assignor, by mesne assignments, to Bendix Home Appliances, Inc., South Bend, Ind. Self-balancing dynamic system. 2,238,989; Apr. 22.
Bradley, Harry P., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Treating rubber. 2,239,659; Apr. 22.
Brady, George W., & Co. (See Carl, Parkman N., assignor.)
Brandstetter, Carl. (See Schmidt, John B., assignor.)
Brandt, Jørgen, Hellerup, assignor to Formeta-Beton A/S, Copenhagen, Denmark. Concrete story partition construction. 2,239,177; Apr. 22.
Breed, Charles W. (See Burkhardt, G. R., and Breed.)
Brett, D. L., et al. (See Conner, Robert A., assignor.)
Brewer, Thomas, Kelso, Wash. Ferrule. 2,239,282; Apr. 22.
Brillhart, Samuel E., Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Knitting machine. 2,239,378; Apr. 22.
Bristol Company, The. (See Parsons, Walter S., assignor.)
Brooks, John S. (See Chambers, Stanley H., assignor.)
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Picker check. 2,239,349; Apr. 22.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Picker stick checking mechanism. 2,239,361; Apr. 22.
Brown, Jack E., Brooklyn, N. Y. Massage device. 2,238,967; Apr. 22.
Brown, John L., Verona, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Totally enclosed dynamoelectric machine. 2,238,925; Apr. 22.
Brown, John L., Verona, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oil-ring-lubricated antifriction bearing. 2,239,283; Apr. 22.
Brumder, Herbert P., Chenequa, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic jack. 2,238,968; Apr. 22.
Brun, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Ammunition. 2,239,547; Apr. 22.
Bryant Heater Company, The. (See Ryden, E. H., and Schickler, assignors.)
Bucky, Gustav, New York, N. Y. Self-focusing and illuminating device for photographic cameras. 2,239,379; Apr. 22.
Budd, Edward G., Manufacturing Company. (See Patton, John W., assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Buehler, Leon, Jr. (See De Markus, L., and Buehler.)
Buensod-Stacey Air Conditioning, Incorporated. (See Stacey, Alfred E., Jr., assignor.)
Builders Iron Foundry. (See Lowe, Rudy P., assignor.)
Bull, J. A. (See Gibb, David T., assignor.)
Bullinger, Conrad, Riverside, assignor to A. Stein & Company, Chicago, Ill. Foundation garment. 2,239,217; Apr. 22.
Burdett, Horace H., Milford, assignor to Draper Corporation, Hopedale, Mass. Shuttle box. 2,239,350; Apr. 22.
Burgess Battery Company. (See Chipley, Alfred S., assignor.)
Burgess Battery Company. (See Sipp, E. A., and Leadbetter, assignors.)
Burkhardt, George R., Chicago, and C. W. Breed, Western Springs, Ill. Spacing means for traffic and guard rails. 2,239,480; Apr. 22.
Burkhardt, Wilhelm, Berlin-Grunewald, and H. Ramert, R. Reinecke, and E. Wehnelt, assignors to B. Berghaus, Berlin-Lankwitz, Germany. Coating of articles by means of cathode disintegration. 2,239,642; Apr. 22.
Burnham, Virgil A. (See Jones, R. M., and Burnham.)
Burton, Carroll, and D. P. Steward, Johnstown, Pa. Resilient car wheel. 2,239,077; Apr. 22.
Bush, A. G. (See Criner, Harry J., assignor.)
Butler, Joseph F. and R. J., Pittsburgh, Pa. Window socket wrench. 2,239,548; Apr. 22.
Butler, Raymond J. (See Butler, Joseph F. and R. J.)
Butterfield, Vernon J., Minneapolis, assignor of one-half to J. R. Ware, Hennepin County, Minn. Dishwashing apparatus. 2,238,969; Apr. 22.
Byers, Marshall S., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Attrition mill flinger. 2,239,497; Apr. 22.
Caldwell, Charles A., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Welding. 2,238,926; Apr. 22.
Cahill Company. (See Kennedy, James D., assignor.)
Cahill, John J., assignor to Mutual Machine Company, New York, N. Y. Adjustable gauge for sewing machines. 2,239,189; Apr. 22.
Cahn, Frank J., and B. R. Harris, assignors to The Emulsol Corporation, Chicago, Ill. Derivatives of amines. 2,238,927; Apr. 22.
Cahn, Frank J., and B. R. Harris, assignors to The Emulsol Corporation, Chicago, Ill. Derivatives of amines. 2,238,928; Apr. 22.
Cahn, Frank J., and B. R. Harris, assignors to The Emulsol Corporation, Chicago, Ill. Derivatives of amines. 2,238,929; Apr. 22.
Cal-Ku-Scope, Inc. (See Harris, Albert T., assignor.)
Caugemi, Salvatore, New York, N. Y. Shoe structure. 2,239,411; Apr. 22.
Cannon, George E., and M. Williams, Houston, Tex., assignors to Standard Oil Development Company. Weighted nonaqueous drilling fluid. 2,239,498; Apr. 22.
Carbide and Carbon Chemicals Corporation. (See Strother, Cornelile O., assignor.)
Carboloy Company. (See Jacobson, Leslie C., assignor.)
Carbonaro, Gaetano, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Horn. 2,238,880; Apr. 22.
Carl, Parkman N., assignor to George W. Brady & Co., Chicago, Ill. X-ray cassette changer. 2,239,219; Apr. 22.
Carlson, Fritz O., assignor to Hobbs Manufacturing Company, Worcester, Mass. Scoring cutter. 2,239,454; Apr. 22.
Carpenter, John L., Sacramento, Calif., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,239,643; Apr. 22.
Carr, Bernard J., San Bernardino, Calif. Tool post and holder. 2,239,166; Apr. 22.
Carroll, Ellsworth W. (See Metcalf, H. E., and Carroll.)

Carroll, Ellsworth W., assignor to S & W Fine Foods, Inc., San Francisco, Calif. Method and apparatus for orientating, pitting, and inspecting cherries. 2,238,970; Apr. 22.

Carroll, Ellsworth W., C. Lachman, and P. Wormser, assignors to S & W Fine Foods, Inc., San Francisco, Calif. Mechanical fruit dicer. 2,238,971; Apr. 22.

Carroll, John R., Chicago, Ill. Price ticket and the like. 2,238,990; Apr. 22.

Carroll, Robert V. (See Worden, V. E., and Carroll.)

Cartmill, Loyd E., Palo Alto, Calif. Hatch construction. 2,239,033; Apr. 22.

Case, Lynn B. (See Woodruff, M. L., Case, Dickhaut, and Kupka.)

Cassady, Bertram L., Tulsa, Okla. Furnace wall or similar structure. 2,239,588; Apr. 22.

Celanese Corporation of America. (See Croft, C. M., and Dodge, assignors.)

Celanese Corporation of America. (See Groombridge, W. H., and Page, assignors.)

Celotex Corporation, The. (See Swenson, George E., assignor.)

Chalmers, John W., and A. A. Foale, Deptford, London, assignors to Molins Machine Company, Limited, London, England. Apparatus for feeding cigarettes and other articles of similar shape. 2,239,550; Apr. 22.

Chamberlain, Leonard C., and H. A. Robinson, assignors to The Dow Chemical Company, Midland, Mich. Treatment of earth formations. 2,238,930; Apr. 22.

Chamberlin Metal Weather Strip Company. (See Jullen, Louis F., assignor.)

Chambers, Jewel C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Air conditioning method and apparatus. 2,239,190; Apr. 22.

Chambers, Stanley H., assignor to J. S. Brooks, Dunnville, Ontario, Canada. Preservatives for fish nets, fish lines and the like. 2,239,455; Apr. 22.

Chapman, Frank D., Berlin, Wis. Blancher. 2,238,972; Apr. 22.

Char, Yew. (See Zane, Howard Y. F., assignor.)

Chard, Richard E., Milford, assignor to Draper Corporation, Hopedale, Mass. Loom temple. 2,239,191; Apr. 22.

Chase, Francis G. (See Newman, Ernest A., assignor.)

Chatsworth Investments Proprietary Limited. (See Shaw, George R., assignor.)

Cherry, Andrew J., assignor to Economy Screw Corporation, Chicago, Ill. Setscrew and producing same. 2,239,352; Apr. 22.

Cherry-Burrell Corporation. (See Adams, Harry B., assignor.)

Cherryfield Corporation. (See Wallace, Archibald L.)

Chesler, Isidor, Oceanport, N. J., and D. Shutak, assignors to Eagle Pencil Company, New York, N. Y. Pencil lead. 2,239,142; Apr. 22.

Chicago Development Company. (See Dean, R. S., and Davis, assignors.)

Chicago Telephone Supply Co. (See Schellenger, N. C., and Haselwood, assignors.)

Childs, Henry R. (See Jackson, W. T., and Childs.)

Chilton, Roland. (See Taylor, E. S., and Chilton.)

Chilton, Roland, Ridgewood, W. G. Lundquist, Hoboken, and H. C. Hill, Paterson, N. J., assignors to Wright Aeronautical Corporation. Dynamic damper. 2,239,078. Apr. 22.

Chipley, Alfred S., assignor to Burgess Battery Company, Chicago, Ill. Silencing device for pulsating gases. 2,239,549; Apr. 22.

Christensen, Alfredo H. H., Buenos Aires, Argentina. Accumulator for liquids under pressure. 2,239,481; Apr. 22.

Cincinnati Milling Machine Co., The. (See Nenninger, Lester F., assignor.)

Cincinnati Milling Machine Co. (See Roehm, E. G., and Fritsch, assignors.)

Clark, Daniel B., and G. Laube, assignors to Twentieth Century Fox Film Corporation, Los Angeles, Calif. Slating device. 2,239,380; Apr. 22.

Clark, James K., New Hartford, assignor to The Partlow Corporation, New Hartford, N. Y. Ignition system for fuel burners. 2,238,890; Apr. 22.

Clark, Philip B. (See Thompson, C. S., and Clark.)

Class, Neil E., Sealy, Tex., assignor of one-third to F. F. Thompson, Kankakee, Ill., and one-third to C. B. Franks, Midlothian, Tex. Tank valve assembly. 2,239,590; Apr. 22.

Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper-actuating and -retracting mechanism for sewing machines. 2,239,591; Apr. 22.

Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)

Cleveland Tractor Company, The. (See Mee, Herbert P., assignor.)

Clifton Yarn Mills. (See Forster, Alfred A., assignor.)

Climenko, David R., Ellsmere, assignor to American Cyanamid Company, New York, N. Y. Sulphonamide compound in oil. 2,238,973; Apr. 22.

Cloud, Raymond T., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Measurement of sound velocities in strata traversed by boreholes. 2,238,991; Apr. 22.

Cluett, Peabody & Co. (See Baker, J. F., Almond, Ferguson, and Madsen, assignors.)

Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Condition responsive device. 2,239,438; Apr. 22.

Cocks, George W., Upper Montclair, N. J., assignor to Marathon Paper Mills Company, Rothschild, Wis. Packaging in bulk frozen comestibles or the like. 2,239,482; Apr. 22.

Cocks, George W., Upper Montclair, N. J., assignor to Marathon Paper Mills Company, Rothschild, Wis. Receiving and supporting receptacle for bulk ice cream distortable cartons. 2,239,483; Apr. 22.

Cocks, George W., Upper Montclair, N. J., assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispensing storage receptacle for bulk ice-cream distortable cartons. 2,239,484; Apr. 22.

Cohen, Alfred I. (See Cohen, Harry C. and A. I., and Tursky.)

Cohen, Harry C. and A. I., Pittsburgh, and C. M. Tursky, Turtle Creek; said Tursky assignor to said H. C. and A. I. Cohen, Pittsburgh, Pa. Supporting bracket. 2,238,891; Apr. 22.

Cole, Louis W., New York, assignor to Cole Electric Products Co., Inc., Long Island City, N. Y. Fuse panel. 2,239,644; Apr. 22.

Cole Electric Products Co. (See Cole, Louis W., assignor.)

Coleman, Gerald H., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Insecticidal composition. 2,239,079; Apr. 22.

Coleman, Gerald H., C. L. Moyle, and J. E. Livak, assignors to The Dow Chemical Company, Midland, Mich. Insecticidal composition. 2,239,080; Apr. 22.

Coleman Lamp and Stove Company, The. (See Strong, Hiram W., assignor.)

Colwell, Archie T., assignor to Thompson Products Incorporated, Cleveland, Ohio. Mold for making hollow cast metal valves. 2,239,381; Apr. 22.

Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)

Connecticut Telephone and Electric Corporation. (See Curtiss, William R., assignor.)

Conner, Robert A., assignor to himself, D. L. Brett, and B. C. Mickler, St. Augustine, Fla. Vehicle brake system. 2,239,592; Apr. 22.

Connolly, Bernard F. (See Jensen, Jens O., assignor.)

Connors, John C., Binghamton, N. Y. Cobbler's tool. 2,239,314; Apr. 22.

Conrady, John A., assignor to The Crosley Corporation, Cincinnati, Ohio. Refrigerating apparatus. 2,239,178; Apr. 22.

Continental Can Company. (See Pearson, Paul E., assignor.)

Continental Diamond Fibre Company. (See Himsworth, James J., assignor.)

Coons, Curtis C., North Canton, Ohio, and R. S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,239,143; Apr. 22.

Cooper, James, Solvay, and G. H. J. Baule, assignors to Hall & McChesney, Inc., Syracuse, N. Y. Loose-leaf binder structure. 2,239,081; Apr. 22.

Copp, Nelson H., et al., trustees. (See Fisher, Roy J., assignor.)

Corner, George H. C., Sutton Coldfield, England, assignor to Talon, Inc. Making fasteners. 2,239,645; Apr. 22.

Corning Glass Works. (See Dalton, R. H., and Nordberg, assignors.)

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Journal box. 2,239,046; Apr. 22.

Cottrell, Roy H., and V. Jensen, Ogden, Utah. Recovery of sugar from molasses. 2,239,082; Apr. 22.

Cox, Samuel F., and P. E. Knudsen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Window construction. 2,239,517; Apr. 22.

Crane Co. (See Olson, Charles A., assignor.)

Crannell, Charles R., Chicago, Ill. Dual control pedal. 2,239,439; Apr. 22.

Crawford, Joseph W., Boonton, N. J., assignor to Van Raalte Company, Inc., New York, N. Y. Hosiery. 2,239,593; Apr. 22.

Creed, Frederick G., Croydon, assignor to Floating Stations Limited, London, England. Floating structure, station, and seadrome. 2,238,974; Apr. 22.

Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Hydraulic clutching and driving apparatus. 2,239,167; Apr. 22.

Crocker, William D. (See Martin, J. F., and Crocker.)

Croft, Cyril M., and F. G. Dodge, Cumberland, Md., assignors to Celanese Corporation of America. Textile device. 2,238,992; Apr. 22.

Crosland, Edward M., assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Biscuit cutting and the like machinery. 2,239,083; Apr. 22.

Crosley Corporation, The. (See Conrady, John A., assignor.)

Crosley Corporation, The. (See Gray, Walter P., assignor.)

Cross, Ralph E., Detroit, Mich. Grinding wheel dressing fixture. 2,239,034; Apr. 22.

Crossfield, John T. K., Brooklyn, N. Y. Plastic composition. 2,238,975; Apr. 22.

Crouse-Hinds Company. (See Jeffers, Walter M., assignor.)

Crouse, John L. (See Wahlberg, N. A., and Crouse.)

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 2,239,084; Apr. 22.

Crown Can Company. (See Loetscher, David L., assignor.)

Crown Cork & Seal Company. (See Stewart, R. J., and Bell, assignors.)

Cube Steak Machine Company. (See Spang, Joseph P., assignor.)

Cubert, Joseph R., assignor to Aurex Corporation, Chicago, Ill. Bone conduction hearing device. 2,239,550; Apr. 22.

Cummings, William W., Jr., Marshfield, Mass. Apparatus for air conditioning. 2,239,594; Apr. 22.

Cummings, William W., Jr., Marshfield, Mass. Humidifying apparatus. 2,239,595; Apr. 22.

Curran, Maurice D., Glendale, Mo., assignor to Tar & Petroleum Process Company, Chicago, Ill. Decarbonizer for coke ovens. 2,239,412; Apr. 22.

Curtis Companies Incorporated. (See Madsen, Sern, assignor.)

Curtiss, William R., Meriden, Conn., assignor to Connecticut Telephone & Electric Corporation. Electrical signal device. 2,239,035; Apr. 22.

Cutting, Herbert A., Detroit, Mich., assignor to The Cutting Sales & Engineering Corporation. Yoke and shaft assembly. 2,239,192; Apr. 22.

Cutting Sales & Engineering Corporation, The. (See Cutting, Herbert A., assignor.)

Cyr, Benjamin. (See Shipley, S. C., and Cyr.)

Daimler-Benz Aktiengesellschaft. (See Danben, Joseph, assignor.)

Daimler-Benz Aktiengesellschaft. (See Kollmann, Karl, assignor.)

D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Resinous composition prepared from malonic diamide. 2,239,440; Apr. 22.

D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Aldehyde reaction products with nitrogen-containing methylene compounds. 2,238,441; Apr. 22.

Dalton, Robert H., and M. E. Nordberg, assignors to Corning Glass Works, Corning, N. Y. Making sealing glasses and seals for quartz lamps. 2,239,551; Apr. 22.

Daniels, Dwight C., Worcester, Mass. Brush and the like. 2,238,993; Apr. 22.

Danben, Joseph, Stuttgart-Wurttemberg, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Vehicle. 2,238,879; Apr. 22.

Davi, Vincent. (See Passantino, F. J., and Davi.)

Davis, Charles W. (See Dean, R. S., and Davis.)

Day, Alan G. (See Martin, E., and Day.)

Dean, Reginald S., and C. W. Davis, Washington, D. C., assignors to Chicago Development Company, Chicago, Ill. Permanent magnet. 2,239,144; Apr. 22.

Decker, Gilbert O., Fountain City, Wis. Razor strop. 2,239,218; Apr. 22.

Decker, Martin E., Cortland, N. Y. Curtain drying rack. 2,239,382; Apr. 22.

De Croce, Gennero, and W. A. Derr, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Remote metering system. 2,239,552; Apr. 22.

Deere & Company. (See Johnson, Theodore W., assignor.)

De Graeve, Theodore, Detroit, Mich. Cutting contact points. 2,239,456; Apr. 22.

De Laney, John T., Denver, Colo. Undertaker's apparatus. 2,238,931; Apr. 22.

De Markus, Louis, Blawnox, and L. Buehler, Jr., assignors to Frick Company, Waynesboro, Pa. Refrigeration apparatus. 2,239,485; Apr. 22.

De Noronha, Joaquin, New York, N. Y., assignor to De Noronha Rubber Products Corporation, New Brunswick, N. J. Shoe heel and sole. 2,239,265; Apr. 22.

De Noronha Rubber Products Corporation. (See De Noronha, Joaquin, assignor.)

De Permentier, Paul R., Brussels, Belgium. Cubing or pelleting machine for feeds. 2,239,220; Apr. 22.

De Renner, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Packing material. 2,239,499; Apr. 22.

Derr, Willard A. (See De Croce, G., and Derr.)

Dessecre, Peter, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Synchronizing device for television systems. 2,238,932; Apr. 22.

Detroit Lubricator Company. (See Dillman, E. J., and Fleury, assignors.)

Dettwyler, William. (See Wuertz, A. J., and Dettwyler.)

Deutsche Erdol-Aktiengesellschaft. (See Schick, Friedrich, assignor.)

De Vigier, William, London, England. Extensible centering and like support. 2,239,315; Apr. 22.

Dewar Manufacturing Company Inc. (See Everett, Lucius T., assignor.)

Dewey, Clarence L., Elkhart, Ind. Automatic lathe. 2,239,413; Apr. 22.

Dickhaut, Charles A. (See Woodruff, M. L., Case, Dickhaut, and Kupka.)

Dictograph Products Company. (See Zarth, William A., assignor.)

Diescher, Samuel E., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Articulated mandrel for cross rolling mills. 2,239,085; Apr. 22.

Diescher Tube Mills, Inc. (See Diescher, Samuel E., assignor.)

Dill Manufacturing Company, The. (See Adams, Joseph L., assignor.)

Dillenbach, Daniel S., Hastings, Nebr. Full power drive mechanism for steam or explosive engines. 2,239,663; Apr. 22.

Dillman, Earnest J., and J. E. Fleury, assignors to Detroit, Lubricator Company, Detroit, Mich. Control device. 2,239,146; Apr. 22.

Dimmock, William E., College Park, Ga. Gas-volume indicating gauge. 2,239,221; Apr. 22.

Din, Fazul. (See Waine, A. C., and Din.)

Disston, Henry, & Sons, Inc. (See Melde, August G., assignor.)

Divco-Twin Truck Company. (See Nicol, John, assignor.)

Doane, William A., Dry Brook, N. Y. Two way reversible tractor plow. 2,239,596; Apr. 22.

Doble Engineering Company. (See Fawcett, O. E., and Doble, assignors.)

Doble, Frank C. (See Fawcett, O. E., and Doble.)

Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriter carrying case. 2,239,597; Apr. 22.

Dockson, C. H., Company. (See Dockson, Charles H. and S. H., assignors.)

Dockson, Charles H. and S. H., assignors to C. H. Dockson Company, Detroit, Mich. Shield. 2,238,994; Apr. 22.

Dockson, Sterling H. (See Dockson, Charles H. and S. H.)

Dodge, Frederick G. (See Croft, C. M., and Dodge.)

Dodson, Edward, Putney Heath, London, England. Altitude control mechanism for carburetors. 2,239,553; Apr. 22.

Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sample display book. 2,239,145; Apr. 22.

Dorr Company, The. (See Harms, Viggo, assignor.)

Dow Chemical Company, The. (See Chamberlain, L. C., and Robinson, assignors.)

Dow Chemical Company, The. (See Coleman, G. H., and Moyle, assignors.)

Dow Chemical Company, The. (See Coleman, G. H., Moyle, and Livak, assignors.)

Dow Chemical Company, The. (See McConica, T. H., III, assignor.)

Dow Chemical Company, The. (See McConica, T. H., III, and Griswold, assignors.)

Dow Chemical Company, The. (See McConica, T. H., III, and Nelson, assignors.)

Dow Chemical Company, The. (See McHard, J. A., and Peterson, assignors.)

Dow Chemical Company, The. (See Moore, John C., assignor.)

Draisbach, Fritz, Ludwigshafen-on-the-Rhine, Germany, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Treatment of photographic films and plates. 2,239,284; Apr. 22.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Burdett, Horace H., assignor.)

Draper Corporation. (See Chard, Richard E., assignor.)

Dresser Manufacturing Company. (See Weber, Clifford P., assignor.)

Drewsen, Pierre, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Clearing of rolls. 2,239,383; Apr. 22.

Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Ductor roller control. 2,239,168; Apr. 22.

Duffing, Paul, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,239,554; Apr. 22.

Duisberg, Walther H. (See Schlack, Paul, assignor.)

Duke Manufacturing Company. (See Duke, Marsh P., assignor.)

Duke, Marsh P., University City, assignor to Duke Manufacturing Company, St. Louis, Mo. Food warmer. 2,239,500; Apr. 22.

Dunlap, Paul R., Portland, Oreg. Means for testing electrical apparatus. 2,239,193; Apr. 22.

Dunlop Rubber Company Limited. (See James, R. G., and Smith, assignors.)

Dunlop Tire & Rubber Goods Co. Limited. (See Walton, William R., Jr., assignor.)

Du Pont, E. I., de Nemours & Company. (See Klein, David X., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lewis, H. A., and Wilson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Linch, A. L., and Weinmayr, assignors.)

Du Pont, E. I., de Nemours & Company. (See Whelen, Myron S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Dettwyler, assignors.)

Durion Company, The. (See Jacobsen, Oystein, assignor.)

E. A. Laboratories, Inc. (See Carbonaro, Gaetano, assignor.)

E. A. Laboratories, Inc. (See Kuehn, George F., assignor.)

Eagle Pencil Company. (See Chesler, I., and Shutak, assignors.)

Eastman Kodak Company. (See Hasche, Rudolph L., assignor.)
Eastman Kodak Company. (See Jackson, W. T., and Childs, assignors.)
Economy Screw Corporation. (See Cherry, Andrew J., assignor.)
Edelheit, Sol, New York, and R. F. Landwehr, Laurelton, Long Island, N. Y. Razor handle. 2,239,415; Apr. 22.
Eddison, Clifford, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Coating metal with graphitic carbon. 2,239,414; Apr. 22.
Edwards, Desmond, Galena, Ohio. Combine. 2,239,486; Apr. 22.
Ehrenberg, Werner, Hayes, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Cathode for electron discharge devices. 2,239,416; Apr. 22.
Eichelberger, William, Grafton, W. Va. Track switch. 2,238,995; Apr. 22.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Railway brake. 2,239,086; Apr. 22.
Electric Machinery Mfg. Company. (See Nelson, Carl C., assignor.)
Electric & Musical Industries Limited. (See Ehrenberg, Werner, assignor.)
Electric Railway Improvement Company, The. (See Cadwell, Charles A., assignor.)
Electrolux Corporation. (See Hansson, E. O. H., assignor.)
Elliott Addressing Machine Company, The. (See Elliott Harmon P., assignor.)
Elliott, Harmon P., Watertown, assignor to The Elliott Addressing Machine Company. Metal frame stencil. 2,239,353; Apr. 22.
Elliott, Harmon P., Watertown, Mass., assignor to The Elliott Addressing Machine Company. Multiple panel stencil for tax bills. 2,239,354; Apr. 22.
Elliott, Harmon P., Watertown, Mass., assignor to The Elliott Addressing Machine Company. Label printing and accounting machine. 2,239,355; Apr. 22.
Ellwanger, Adolf. (See Straub, K., and Ellwanger.)
Emmey, Charles, Brooklyn, N. Y., and M. V. Hamburger, Lynn, Mass.; said Hamburger assignor to said Emmey. Fabric decorative effect. 2,239,351; Apr. 22.
Emulsol Corporation, The. (See Calm, F. J., and Harris, assignors.)
Emulsol Corporation, The. (See Katzman, M., and Harris, assignors.)
Engst, Norbert K. (See Johnstone, H. G. and Engst.)
Ensign-Bickford Company, The. (See Pearsall, D. F., and Rich, assignors.)
Ensign Bickford Company, The. (See Stoneking, Jay B., assignor.)
Epstein, Morris, Brooklyn, assignor to Epstein, Wiener & Jacoby, New York, N. Y. Spectacle mounting. 2,239,266; Apr. 22.
Epstein, Wiener & Jacoby. (See Epstein, Morris, assignor.)
Erban, Richard, New York, N. Y. Friction transmission mechanism. 2,239,087; Apr. 22.
Ernst, Walter, J. A. Muller, and V. S. Shaw, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del. Variable delivery pump with multiple pressure control. 2,239,147; Apr. 22.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Fluid pressure relief or unloading valve. 2,239,148; Apr. 22.
Esotoc Fumigation Co. Ltd. (See Thomas, James A., assignor.)
Ettlinger, Joe J., Warsaw, Ind. Fracture nail. 2,239,088; Apr. 22.
Evans, Francis C., Dongan Hills, Staten Island, assignor to American District Telegraph Company, New York, N. Y. Thermostatic switch. 2,238,881; Apr. 22.
Evans, Lacey H. (See Andrews, J. S., Evans, and Huber.)
Everett, Lucius T., Ramsey, N. J., assignor to Dowar Manufacturing Company Inc., Brooklyn, N. Y. Portable power hammer. 2,239,090; Apr. 22.
F. A. B. Manufacturing Co. (See Freitag, Knud J. W., assignor.)
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Reinforced vehicle body construction. 2,239,089; Apr. 22.
Fanger, Herman J., Oakland, Calif., assignor to The Partlow Corporation, New Hartford, N. Y. Burner control apparatus. 2,238,892; Apr. 22.
Farkas, Emil N., assignor to E. N. Farkas, trustee, Chicago, Ill. Leaf binding device. 2,239,036; Apr. 22.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Electronic amplifier. 2,239,149; Apr. 22.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Fawcett, Orville E., Mount Lebanon, Pa., and F. C. Doble, Cambridge, assignors to Doble Engineering Company, Medford, Mass. Testing insulating bushings and the like. 2,239,598; Apr. 22.
Felch, Carmien S., assignor to E. E. Weller, Providence, R. I. Tassel. 2,239,356; Apr. 22.
Felts, Lydia E. W. (See Werner, Emil E., assignor.)
Ferguson, Frank. (See Baker, J. F., Almond, Ferguson, and Madsen.)
Fernsch Aktiengesellschaft. (See Strübig, Heinrich, assignor.)
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Electromagnetic operator for light signals. 2,239,316; Apr. 22.
Filburn, John H., Detroit, Mich. Adjustable boring tool. 2,239,417; Apr. 22.
Fincke, Melvin F. (See Bartlett, J. H., and Fincke.)
Finger, Paul E., Gary, Ind., assignor to Standard Railway Equipment Manufacturing Company. Hatch construction. 2,239,037; Apr. 22.
Firestone Tire & Rubber Company, The. (See Bradley, Harry P., assignor.)
Fischer, Ernst, Berlin-Lichterfelde, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Subdivided magnetic core with polystyrene binder. 2,238,893; Apr. 22.
Fischer, William F., Altadena, Calif. Cutting implement. 2,238,933; Apr. 22.
Fisher, Roy J., assignor, by mesne assignments, to H. J. Nagle, R. J. Fisher, and N. H. Copp, joint trustees, Rochester, N. Y. Sound track cleaner for motion picture film. 2,238,906; Apr. 22.
Fitger California Company. (See Martell, J. K., and Schaller, assignors.)
Fitzgerald, Louis A., and L. Lembeck, Republic, Wash., assignors to Western Machinery Company, San Francisco, Calif. Air lift agitator. 2,239,194; Apr. 22.
Flanigan, George E., and G. C. Supplee, Bainbridge, N. Y. Purifying lactoflavin. 2,239,285; Apr. 22.
Fleck, Elmer E., Silver Spring, Md., and S. Palkin, Washington, D. C., dedicated to the free use of the People of the United States of America. Stable rosin acid, rosin ester, and rosin product containing them and their production. 2,239,555; Apr. 22.
Fleury, Jack E. (See Dillman, E. J., and Fleury.)
Floating Stations Limited. (See Creed, Frederick G., assignor.)
Florman, Irving, New York, N. Y. Combined light and mirror. 2,239,599; Apr. 22.
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,239,091; Apr. 22.
Foale, Arthur A. (See Chalmers, J. W., and Foale.)
Fogarty, Roger, New York, N. Y. Transferable heel. 2,239,600; Apr. 22.
Formeta-Beton A/S. (See Brandt, Jørgen, assignor.)
Forrer, Robert W., Rittman, assignor to The Ohio Salt Company, Wadsworth, Ohio. Opening the spouts of spouted containers. 2,239,557; Apr. 22.
Forrer, Robert W., and F. E. Gilbert, Rittman, assignors to The Ohio Salt Company, Wadsworth, Ohio. Apparatus for opening and orientating spouted containers. 2,239,556; Apr. 22.
Forster, Alfred A., Drexel Hill, assignor to Clifton Yarn Mills, Clifton Heights, Pa. Novelty yarn and producing it. 2,239,601; Apr. 22.
Foster, Robert B., Los Angeles, Calif., assignor to J. B. Smiley, New York, N. Y. Automatic and manual radio control apparatus. 2,238,894; Apr. 22.
Fotlo, Joseph A., Kansas City, Mo. Adjustable electrode bracket for welding machines. 2,239,418. Apr. 22.
Franck, George E., Berwyn, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Safety valve. 2,239,169; Apr. 22.
"Franco-American Patents Limited." (See Vigneault, Edmond, assignor.)
Frank, William H., Detroit, Mich. Switch block and switch. 2,239,419; Apr. 22.
Franks, C. B., et al. (See Class, Nell E., assignor.)
Frazier, Merton. (See Trimberger, A., and Frazier.)
Freitag, Knud J. W., assignor to F. A. B. Manufacturing Co., Oakland, Calif. Dual axle truck trailer. 2,239,286; Apr. 22.
Freundt, Gerhard L. (See Sievert, C. A., Freundt, and Heinichen.)
Frick, Charles E., Jr., et al. (See Jensen, James A., assignor.)
Frick Company. (See De Markus, L., and Buehler, assignors.)
Fritschi, Hans. (See Roehm, E. G., and Fritschi.)
Frolich, Per K., Roselle, and F. L. Miller, Roselle Park, N. J., assignors to Standard Oil Development Company. Lubricants containing polymers of intermediate weight. 2,239,501; Apr. 22.
Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Medicine cabinet. 2,239,487; Apr. 22.
Funke, Edward, Pelham Manor, assignor to John C. Welwood Corporation, New York, N. Y. Ribbon package and reel. 2,239,222; Apr. 22.
Gage, Lonnie L., Vandalia, Ill., assignor to Acme Fishing Tool Company, Parkersburg, W. Va. Cleansing attachment for rotary well drills. 2,238,895; Apr. 22.
Gallagher, William P., assignor to International Register Company, Chicago, Ill. Cutting machine. 2,239,287; Apr. 22.
Gammill, Leland A., Santa Barbara, Calif. Milk bottle. 2,239,092; Apr. 22.

Garner, Fay, Longmont, Colo. Material handling apparatus. 2,239,288; Apr. 22.
Garrison, Allen D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Drilling wells. 2,239,647; Apr. 22.
Gaymon, Harold L., Bartow, Fla. Fruit separator. 2,238,997; Apr. 22.
Geigy, J. R., A. G. (See Krebser, Adolf, assignor.)
General Aniline & Film Corporation. (See Krzikalla, H., Pfitzner, and Schmidt, assignors.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Cockrell, William D., assignor.)
General Electric Company. (See D'Alello, Gaetano F., assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Kimball, Donald G., assignor.)
General Electric Company. (See Kjolseth, Ole K., assignor.)
General Electric Company. (See Moyer, Elmo E., assignor.)
General Electric Company. (See Stratton, Jerry L., assignor.)
General Mills, Inc. (See Andrews, J. S., Evans, and Huber, assignors.)
General Motors Corporation. (See Chambers, Jewell C., assignor.)
General Motors Corporation. (See Keane, Frank I., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Moore, Edmund W., assignor.)
Gibb, David T., Ellensburg, Wash., assignor of one-half to J. A. Bull. Saw. 2,239,317; Apr. 22.
Gibbons, Mortimer M., Rahway N. J. Halide preparation. 2,238,896; Apr. 22.
Gibbons, Willis A., Montclair, N. J., assignors to United States Rubber Company, New York, N. Y. Fire repellent pile fabric. 2,239,457; Apr. 22.
Gilbert, Frank E. (See Forrer, R. W., and Gilbert.)
Gilbert, Roswell W., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Thermionic tube amplifier. 2,239,362; Apr. 22.
Gilbert, Roswell W., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Integrating apparatus. 2,239,363; Apr. 22.
Giller, William L., Leamington Spa, England. Crockery. 2,239,093; Apr. 22.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gilman, Martin J., Gilman, Conn. Blocking armor. 2,239,223; Apr. 22.
Gleason, James M., Chicago, Ill. Sanding device. 2,239,518; Apr. 22.
Gleason, Robert H., Van Wert, Ohio. Fertilizer applicator. 2,239,502; Apr. 22.
Goldberg, Maurice H., Chicago, Ill. Sign projection apparatus. 2,238,934; Apr. 22.
Goldberg, Morris L., Kiamesha, N. Y. Amusement game. 2,239,420; Apr. 22.
Goldner, George W., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,239,224; Apr. 22.
Gomez, Ramon, Halifax, Nova Scotia, Canada, assignor to R. Perech, New York, N. Y. Electrolytic fishing. 2,238,897; Apr. 22.
Goodhue, William M., Boston, Mass., and R. B. Power, Jr., Manhattan, Kans. Discharge apparatus. 2,239,289; Apr. 22.
Goodman Manufacturing Company. (See Biedess, Anthony R., assignor.)
Goodman Manufacturing Company. (See Hagenbook, Loy D., assignor.)
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodings, Alfred C., H. B. Marshall, and H. W. Lemon, Toronto, Ontario, Canada. Textile oil. 2,238,882; Apr. 22.
Gordon, Reed D., Kansas City, Mo. Wall table. 2,239,225; Apr. 22.
Gottlieb, Manlous, Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Governing apparatus. 2,239,602; Apr. 22.
Graham, Vernon F., Sr., Chester, Pa. Crochet cotton ball holder. 2,239,226; Apr. 22.
Grant, John, Los Angeles, Calif. Expansive reamer. 2,238,998; Apr. 22.
Gray, Walter P., assignor to The Crosley Corporation, Cincinnati, Ohio. Radio apparatus. 2,239,170; Apr. 22.
Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Vehicle tank. 2,239,442; Apr. 22.
Greenfield, William H., Philadelphia, Pa. Conditioner for circulating fluid. 2,239,038; Apr. 22.
Greenlee, William E., Philadelphia, Pa., assignor of one-half to W. P. Griffiths, Trenton, N. J. Attachment for knitting machines. 2,239,488; Apr. 22.
Greensteln, Oscar, New York, N. Y. Intaglio printing machine for manufacturing name markers. 2,238,898; Apr. 22.
Gregory, John G. (See Murgatroyd, J. B., and Gregory.)
Griffiths, Warren P. (See Greenlee, William E., assignor.)
Griswold, Thomas, Jr. (See McConica, T. H., III, and Griswold, Jr.)
Groene, William F., and H. C. Kemper, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Transmission mechanism for lathes. 2,239,443; Apr. 22.
Groombridge, Walter H., and R. Page, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of gases containing sulphur. 2,239,000; Apr. 22.
Grooms, Herbert H., and E. C. McCarty, West Union, Ohio. Calendar device for writing implements. 2,238,999; Apr. 22.
Gunnar, Percy W., West Englewood, N. J. Constant evaporation process and apparatus. 2,238,935; Apr. 22.
Gundelfinger, William E., assignor to Knapp-Monarch Company, St. Louis, Mo. Sadiron rest. 2,239,171; Apr. 22.
Gunnufson, Nuffen, Sunburg, Minn. Fish pole. 2,239,227; Apr. 22.
Gurwood, Alexander G., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Reducing solution for silvering operations. 2,239,519; Apr. 22.
Gurwood, Alexander G., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Decorative mirror and manufacture thereof. 2,239,520; Apr. 22.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Driving and stopping mechanism for shoe sewing machines. 2,239,603; Apr. 22.
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Trim supporting element and attachment. 2,239,318; Apr. 22.
Hadaway, Florence S., executrix. (See Hadaway, John B.)
Hadaway, John B., Swampscott, Mass., deceased; F. S. Hadaway, executrix. Artificial bait. 2,238,900; Apr. 22.
Hadel, Fred A., and R. J. Thompson, assignor of one-half to C. F. Huebotter, Los Angeles, Calif. Remote control sound record reproducing system. 2,238,976; Apr. 22.
Haeff, Andrew V., East Orange, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,239,421; Apr. 22.
Hagen, Arthur H., Globe, Ariz. Coffee percolator. 2,239,001; Apr. 22.
Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,239,521; Apr. 22.
Halford, Frank B., Edgware, and C. F. Vickers, assignors to D. Napier & Son Limited, London, England. Flexible support. 2,239,319; Apr. 22.
Hall Laboratories, Inc. (See Draisbach, Fritz, assignor.)
Hall & McChesney, Inc. (See Cooper, J., and Baule, assignors.)
Hall, Willard C., Jr., assignor to L. O. James, Los Angeles, Calif. Transformer connection for gaseous discharge tubes. 2,239,002; Apr. 22.
Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Combination packer. 2,239,150; Apr. 22.
Halliburton Oil Well Cementing Company. (See Halliburton, Erle P., assignor.)
Halliburton Oil Well Cementing Company. (See Robinson, Slayden R., assignor.)
Halliburton Oil Well Cementing Company. (See Robinson, S. R., and Travers, assignors.)
Hamburger, Mark V. (See Emmey, C., and Hamburger.)
Hammar, Victor, assignor to Aktiebolaget Bofors, Bofors, Sweden. Conveyer for guns. 2,239,558; Apr. 22.
Hammar, Victor, assignor to Aktiebolaget Bofors, Bofors, Sweden. Field piece or field gun. 2,239,559; Apr. 22.
Hammond, John H., Jr. (See Purington, Ellison S., assignor.)
Hammond, John H., Jr., Gloucester, Mass. Animated sign. 2,239,522; Apr. 22.
Haniquet, George, Glendale, Calif. Towing attachment. 2,239,320; Apr. 22.
Hankison, Lewis E., Dormont, Pa. Pump mechanism. 2,239,228; Apr. 22.
Hansson, Erik O. H., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,239,384; Apr. 22.
Harder, Herman A., Milwaukee, Wis. Bottle filling machine. 2,239,385; Apr. 22.
Harms, Viggo, The Hague, Netherlands, assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus. 2,239,604; Apr. 22.
Harris, Albert T., assignor to Cal-Ku-Scope Inc., New York, N. Y. Calculating device. 2,239,229; Apr. 22.
Harris, Benjamin R. (See Calm, F. J., and Harris.)
Harris, Benjamin R. (See Katzman, M., and Harris.)
Harris & Tyler Limited. (See Heymans, Ronald E. L., assignor.)
Harshberger, Russell P., Pasadena, Calif. Safety razor. 2,238,899; Apr. 22.

Hartmann, Otto, Kassel-Wilhelmshohe, Germany. Heat exchanger. 2,239,230; Apr. 22.

Harvey, James O., Oakland, Calif. Communication equipment. 2,239,094; Apr. 22.

Hasche, Rudolph L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Saccharification of wood. 2,239,095; Apr. 22.

Haselwood, Willis E. (See Schellenger, N. C., and Haselwood.)

Hause, Ralph R., Montpelier, Ohio. Oil well pump valve and making the same. 2,239,321; Apr. 22.

Hayashi, Yoshio, Los Angeles, Calif. Curb signal for automobiles. 2,239,422; Apr. 22.

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Heffelfinger, Paul E. (See Jung, O. H., and Heffelfinger.)

Hegelheimer, Herbert C., Niagara Falls, Ontario, Canada, assignor to American Chain & Cable Company, Inc., New York, N. Y. Tire chain. 2,238,883; Apr. 22

Heinichen, Luther H. (See Sievert, C. A., Freundt, and Heinichen.)

Heiser, Henry C., Parma, assignor to The Astrup Company, Cleveland, Ohio. Awning recess lid operating mechanism. 2,239,605; Apr. 22

Heller, Elsie T., et al. (See Jensen, James A., assignor.)

Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Method and apparatus for molding slabs. 2,239,195; Apr. 22.

Henschel Flugzeug Werke Aktiengesellschaft. (See Oeckl, Otto, assignor.)

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloy. 2,239,179; Apr. 22.

Herberlein Patent Corporation. (See Weiss, Ernst, assignor.)

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Hercules Powder Company. (See Byers, Marshall S., assignor.)

Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Electron discharge tube and circuits. 2,239,560; Apr. 22

Hetzel, John H., Almond, Wis. Vine pulling attachment for potato diggers. 2,239,458; Apr. 22

Heymans, Ronald E. L., Hornsey, assignor to Harris & Tyler Limited, London, England. Apparatus for storing reference books. 2,239,322; Apr. 22

Hibner, De Los E. (See Arey, F. C., and Hibner.)

Hicks, Ira W., Luzerne, Pa. Drafting instrument. 2,239,323; Apr. 22.

Hildebrandt, Friedrich, Hohen Neuendorf, near Berlin, Germany, assignor to Schering Corporation, Bloomfield, N. J. Compounds of the etio-cholane series. 2,238,936; Apr. 22

Hill, Edward H., and R. Hooks, Covington, Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Bleaching kraft pulp. 2,239,606; Apr. 22

Hill, Henry C. (See Chilton, R., Lundquist, and Hill.)

Hill, Henry C., Paterson, N. J., assignor to Wright Aeronautical Corporation. Connecting rod. 2,239,030; Apr. 22.

Hills, Ernest E., assignor of one-half to J. E. Schein, Oshkosh, Wis. Lacing device. 2,239,324; Apr. 22

Hills, Ernest E., assignor of one-half to J. E. Schein, Oshkosh, Wis. Lacing device. 2,239,325; Apr. 22

Himsworth, James J., Collegeville, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Apparatus for wet-treating strip materials. 2,239,607; Apr. 22.

Hinde & Dauch Paper Company, The. (See Drewsen, Pierre, assignor.)

Hinde & Dauch Paper Company, The. (See Loth, Gaylord, assignor.)

Hoak, Clarence B., Steubenville, Ohio. Annealing furnace. 2,239,523; Apr. 22

Hobbs Manufacturing Company. (See Carlson, Fritz O., assignor.)

Hodell Chain Company, The. (See Olmstead, Frederick A., assignor.)

Hoffman, Herbert E., Brooklyn, N. Y. Collapsible shoe supporting device or rack. 2,238,884; Apr. 22.

Hogan, John V. L., Forest Hills, N. Y., and H. G. Miller, Belleville, N. J., assignors to Radio Inventions, Inc., New York, N. Y. Facsimile apparatus. 2,239,489; Apr. 22.

Hoglund, Thorle N., Des Moines, Iowa. Photoengraving. 2,239,386; Apr. 22.

Holby, Frank A., Riverside, Conn., assignor to The William F. Kenny Company, New York, N. Y. Cover mounting and locking means for tanks. 2,239,326; Apr. 22.

Holby, Frank A., Riverside, Conn., assignor to The William F. Kenny Company, New York, N. Y. Closure fastening means. 2,239,327; Apr. 22

Holland, Cyrus J., Chicago, Ill. Hatch cover operating device. 2,239,096; Apr. 22.

Hollytech Incorporated. (See Albin, Frederick G., assignor.)

Holmes, Deborah P. (See Smith, Earle R., assignor.)

Holmes, Myra J., South Bend, Ind. Apparatus for manicuring nails. 2,239,040; Apr. 22

Hooks, James D., Macon, Ga. Gun sight. 2,239,231; Apr. 22.

Hooks, Ralph. (See Hill, E. H., and Hooks.)

Hoover Company, The. (See Beach, Justice H., assignor.)

Hoover Company, The. (See Coons, C. C., and Nelson, assignors.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Hoover Company, The. (See Swann, Edward R., assignor.)

Hope, Bertram C., Middletown, Ohio. Portable unloading platform. 2,239,151; Apr. 22.

Hopps, Bernard, Rugby, England, assignor to Baker & Company, Inc. Spark plug. 2,239,561; Apr. 22.

Hornung, John C., Glencoe, assignor to Illinois Engineering Company, Chicago, Ill. Humidifying apparatus. 2,239,444; Apr. 22.

Horton, Frank J., Detroit, Mich., assignor to The Murray Corporation of America. Spring mounting machine. 2,239,097; Apr. 22.

Houdaille-Hershey Corporation. (See Schatzman, George W., assignor.)

Houdaille-Hershey Corporation. (See Schatzman, G. W., and Purdy, assignors.)

Huber, Louis J. (See Andrews, J. S., Evans, and Huber.)

Huebotter, Carl P. (See Hadel, F. A., and Thompson.)

Hufford, George H., and H. B. Stuart, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio. Clamp assembly. 2,238,937; Apr. 22.

Hughes Tool Company. (See Schlumpf, Robert W., assignor.)

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Iron-glass seal having nickel-iron contact prongs. 2,239,423; Apr. 22.

Hunter, Frank B., Wyckoff, N. J., assignor to Wright Aeronautical Corporation. Multiple valve for invertible tanks. 2,239,098; Apr. 22.

Hutton, John L. (See Jahrels, Carl A., assignor.)

Huyser, Hendrick W., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of monoaldehyde-ketone aldol condensates. 2,239,232; Apr. 22

Huzenlaub, Erich G., Brentford, and J. H. Rogers, Elmhurst, Kenley, England. Apparatus for the treatment of cereals, starch, or the like with fluids or by heating. 2,239,608; Apr. 22

Hydraulic Development Corporation, The. (See Ernst, Walter, assignor.)

Hydraulic Development Corp. Inc., The. (See Ernst, W., Muller, and Shaw, assignors.)

Hyndman, Meade, St. Louis, Mo. Folding box. 2,239,233; Apr. 22.

I. G. Farbenindustrie Aktiengesellschaft. (See Riedermann, Friedrich, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, Helmut and L., assignors.)

Ideal Wrapping Machine Company. (See Sergent, Walter H., assignor.)

Iler, Henry H., Greenville, S. C., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Seal for fabric processing machines. 2,239,424; Apr. 22.

Illinois Engineering Company. (See Hornung, John C., assignor.)

Imperial Brass Manufacturing Company, The. (See Franck, George E., assignor.)

Imperial Chemical Industries Limited. (See Lefebure, Victor, assignor.)

Industrial Patents Corporation. (See Pulley, Roy D., assignor.)

Industrial Patents Corporation. (See Straeten, Charles L., assignor.)

Ingersoll Milling Machine Company, The. (See Waldsmith, Cecil A., assignor.)

Ingersoll Rand Company. (See Stenger, August M., assignor.)

Institutum Divi Thomae Foundation, The. (See Sperti, George, assignor.)

Interchemical Corporation. (See Marquis, Byron, assignor.)

International Register Company. (See Gallagher, William P., assignor.)

International Register Company. (See Martin, Wendell L., assignor.)

Jackson, John G., assignor to Square D Company, Detroit, Mich. Electric switch. 2,239,099; Apr. 22.

Jackson, John G., assignor to Square D Company, Detroit, Mich. Electrical connector. 2,239,100; Apr. 22.

Jackson, Wallace T., and H. R. Childs, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Production of cellulose derivative cut staple fibers. 2,238,977; Apr. 22.

Jacobsen, Oystein, Montgomery County, assignor to The Durkron Company, Inc., Dayton, Ohio. Mixing machine. 2,239,152; Apr. 22

Jacobson, Leslie C., Darien, Conn., assignor to Carboloy Company, Inc., Detroit, Mich. Making drawing dies. 2,239,425; Apr. 22

Jacyn, Harry. (See Willard, Harvey D., assignor.)

Jahrels, Carl A., Leonia, assignor to J. L. Hutton, trading as T. Shriver & Company, Harrison, N. J. Detecting pump failure. 2,239,270; Apr. 22.

James, Lloyd O. (See Hall, Willard C., Jr., assignor.)

James, Robert G., and S. F. Smith, Wylde Green, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Process of making multiform rubber thread. 2,238,885; Apr. 22.

Jeffers, Walter M., assignor to Crouse-Hinds Company, Syracuse, N. Y. System for synchronizing single phase motors. 2,239,101; Apr. 22.

Jeffrey, M. L., Corporation, The. (See Jeffrey, Max L., assignor.)

Jeffrey, Max L., Shaker Heights, assignor, by mesne assignments, to The M. L. Jeffrey Corporation, Cleveland, Ohio. Electromagnet. 2,239,267; Apr. 22.

Jensen, James A., assignor to C. E. Frick, Jr., J. R. McCoy, E. T. Heller, and J. H. and J. A. Jensen, Philadelphia, Pa. Applying and removing device. 2,239,609; Apr. 22.

Jensen, Jens O., Miami Beach, Fla., assignor to B. F. Connolly, Shreveport, La. Guard for power driven razors. 2,238,886; Apr. 22.

Jensen, John H., et al. (See Jensen, James A., assignor.)

Jensen, Vernal. (See Cottrell, R. H., and Jensen.)

Johns-Manville Corporation. (See Mackechnie, Harry W., assignor.)

Johnson, Andrew. (See Muller, W., Reimann, and Johnson.)

Johnson, Arthur S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening pulling machine. 2,238,978; Apr. 22.

Johnson, Lane, Houston, Tex. Ribbon rack. 2,239,041; Apr. 22.

Johnson, Roy W., and V. R. Pawelsky, assignors to Automatic Products Company, Milwaukee, Wis. Interchangeable manual and thermostatic control device for liquid fuel burners. 2,239,525; Apr. 22.

Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Tractor mounted cultivator. 2,239,387; Apr. 22.

Johnstone, Harold G., Oak Park, and N. K. Engst, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Recording apparatus. 2,239,524; Apr. 22.

Jones and Laughlin Steel Corporation. (See Rendleman, Norman C., assignor.)

Jones, Charles B. (See Richa, John H., assignor.)

Jones, Robert M., Biddeford, and V. A. Burnham, Saco, assignors, by mesne assignments, to Saco-Lowell Shops, Biddeford, Maine. Drawing mechanism for textile fibers. 2,239,102; Apr. 22.

Jones, Samuel R., Big Spring, Tex. Headrest. 2,239,003; Apr. 22.

Jonker, Johan L. H., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,239,388; Apr. 22.

Jucles, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Reversible eraser tip. 2,239,526; Apr. 22.

Julien, Louis F., assignor to Chamberlin Metal Weather Strip Company, Inc., Detroit, Mich. Window screen securing device. 2,239,389; Apr. 22.

Jung, Emil E., Philadelphia, Pa. Button. 2,239,004; Apr. 22.

Jung, Karl, Berlin, Germany. Headstock for machine tools, particularly grinding machines. 2,239,103; Apr. 22.

Jung, Oscar H., and P. E. Heffelfinger, Milwaukee, Wis. Fuse. 2,239,390; Apr. 22.

Kamerer, James W., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Multiple laminated glass. 2,239,527; Apr. 22.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filling machine. 2,239,364; Apr. 22.

Kapella Limited. (See Reason, Richard E., assignor.)

Kattwinkel, Hans, Radebeul, Germany. Multiple disk brake. 2,239,459; Apr. 22.

Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)

Katzman, Morris, and B. R. Harris, assignors to The Emulsol Corporation, Chicago, Ill. Derivatives of amides of polycarboxylic acids. 2,238,901; Apr. 22.

Katzman, Morris, and B. R. Harris, assignors to The Emulsol Corporation, Chicago, Ill. Sulphonic derivatives. 2,238,902; Apr. 22.

Keane, Frank L., assignor to General Motors Corporation, Detroit, Mich. Locking device. 2,239,154; Apr. 22.

Kearney, James R., Corporation. (See Goldner, George W., assignor.)

Kearney, James R., Corporation. (See Mebold, Frederick W., assignor.)

Kearney, James R., Corporation. (See Tallman, Oscar F., assignor.)

Kemp, Roland J. (See Smith, S. B., and Kemp.)

Kemper, Harry C. (See Groene, W. F., and Kemper.)

Kennedy, James D., assignor to Cahill Company, Chattanooga, Tenn. Fireplace screen. 2,239,562; Apr. 22.

Kenny, William F., Company, The. (See Holby, Frank A., assignor.)

Kern, Clinton B. (See Bakeman, Edwin A., assignor.)

Kern, Emil A., South Orange, N. J. Combined fire shutter and observation window for motion picture projection booths. 2,239,104; Apr. 22.

Kerr, Charles L. (See Allen, S. E., and Kerr.)

Kimball, Donald G., Stratford, Conn., assignor to General Electric Company. Electric switch. 2,239,426; Apr. 22.

King, George R., Upper Darby, Pa. Valve-setting micrometer gauge. 2,238,887; Apr. 22.

Kingdon, Ralph H., assignor to Square D Company, Detroit, Mich. Circuit breaker enclosing and operating means. 2,239,105; Apr. 22.

Kirsch Company. (See Richardson, Fred W., assignor.)

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Uncoupling device. 2,239,427; Apr. 22.

Kleber, Jackson O., Long Island City, N. Y., and L. Thompson, assignors to The SoundScriber Corporation, Stamford, Conn. Wave recording and reproduction. 2,239,042; Apr. 22.

Klein, David X., Silverside Heights, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. The preparation of naphthazarin intermediate. 2,238,938; Apr. 22.

Klein Stove Company. (See Sourber, Earl J., assignor.)

Klint, Tage J., Munke Molle, Odense, Denmark. Production of flour from grain. 2,239,563; Apr. 22.

Kluth, Bruno, Berlin, Germany. Dispensing closure member. 2,238,888; Apr. 22.

Knapp-Monarch Company. (See Gundelfinger, William E., assignor.)

Knudsen, Percy E. (See Cox, S. F., and Knudsen.)

Knudsen, Percy E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Multiglazed window and light screen therefor. 2,239,528; Apr. 22.

Knudsen, Percy E., Pittsburgh, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Lintel for openings in building walls. 2,239,529; Apr. 22.

Kolb, Paul H., Williamsport, Pa. Speed control attachment for speedometers. 2,239,328; Apr. 22.

Kollmann, Karl, Stuttgart-Bad Cannstatt, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Blower drive, especially for airplane engines. 2,238,889; Apr. 22.

Körber, Kurt A., Dresden-Oberloschwitz, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Tobacco guiding machine. 2,238,979; Apr. 22.

Kraft Cheese Company. (See Palmer, Frank D., assignor.)

Krall, Leo W., assignor of one-half to W. M. Mercer, Houston, Tex. Well drill. 2,239,106; Apr. 22.

Krause, Frederick W. P., Decatur, Ill. Instrument for playing shuffleboard. 2,239,391; Apr. 22.

Kraut, Max, San Francisco, Calif. Fluid motor. 2,239,298; Apr. 22.

Krebser, Adolf, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Hexakisazo dyestuffs and their manufacture. 2,239,005; Apr. 22.

Kreuzer, Barton, Los Angeles, Calif., assignor to Radio Corporation of America. Sound pickup apparatus. 2,239,503; Apr. 22.

Krywonis, Peter, Winnipeg, Manitoba, Canada. Roller screen attachment for windows. 2,239,006; Apr. 22.

Krzikalla, Hans, and H. Pfitzner, Ludwigshafen-on-the-Rhine, and K. Schmidt, Cologne-Muhlheim, Germany, assignors to General Aniline & Film Corporation. Azomethine dyestuffs containing a heavy metal. 2,239,290; Apr. 22.

Kubaugh, Benjamin F., assignor to Henry Vogt Machine Co., Inc., Louisville, Ky. Ice freezing apparatus. 2,239,234; Apr. 22.

Kuehn, George F., Jackson Heights, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Generator. 2,239,043; Apr. 22.

Kuhn, Richard, Heidelberg, Germany, and C. J. O. R. Morris, London, England, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Pentadienal and making it. 2,239,491; Apr. 22.

Kuhn, Wayne E., Jackson Heights, assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,239,490; Apr. 22.

Kuna, Charles S., Floral Park, N. Y., assignor of one-third to A. K. B. Lyman, and one-third to E. M. Major, Newton, Mass. Jetting apparatus. 2,239,610; Apr. 22

Kupfer, Albert I., Bronx, N. Y. Handle guard. 2,239,180, Apr. 22.

Kupka, John. (See Woodruff, M. L., Case, Dickhaut, and Kupka.)

Lachman, Charles. (See Carroll, E. W., Lachman, and Wormser.)

Lambert, Homer T., St. Joseph, Mich. Brake mechanism. 2,239,235; Apr. 22.

Lambert, Homer T., St. Joseph, Mich. Brake mechanism. 2,239,236; Apr. 22.

Landwehr, Richard F. (See Edelheit, S., and Landwehr.)

Lane, John S., Brierley Hill, England. Discharge head of spoil tipping conveyers. 2,239,007; Apr. 22.

Langenohl, Max, and H. Projahn, Gelsenkirchen, Germany, assignors to United States Pipe and Foundry Company, Burlington, N. J. Lining composition for centrifugal casting molds. 2,239,530; Apr. 22.

Lapointe, Francis J., assignor, by mesne assignments, to American Bosch & Machine Co., Ann Arbor, Mich. Broaching machine. 2,239,257; Apr. 22.

Larin, Marcel, and N. Simard, Miami, Fla. Folding lunch box. 2,239,611; Apr. 22.

Larsen, Earl I. (See Hensel, F. R., and Larsen.)

La Soudure Electrique Autogène, Société Anonyme. (See Serckx, Robert O. L., assignor.)

Laube, Grover. (See Clark, D. B., and Laube.)

Laubenstein, George, Madison, assignor to The J. E. Mergott Company, Newark, N. Y. Handbag frame. 2,239,648 ; Apr. 22.

Laurie, Frank C., New York, N. Y., assignor to Standard Oil Development Company. Drilling submarine wells. 2,239,531 ; Apr. 22.

Lawlor, Joseph P., Ames, Iowa. Iron removal apparatus. 2,239,612 ; Apr. 22.

Leadbetter, Ralph L. (See Sipp, E. A., and Leadbetter.)

Le Blond, R. K., Machine Tool Company, The. (See Greene, W. F., and Kemper, assignors.)

Ledbetter, Edwin. (See Ledbetter, Robert E. and E.)

Ledbetter, Robert E. and E., Montgomery, Ala. Cross cultivator. 2,239,153 ; Apr. 22.

Lefebure, Victor, London, England, assignor to Imperial Chemical Industries Limited. Composite board. 2,239,107 ; Apr. 22.

Leighton, John W., Port Huron, Mich. Treating steel bars. 2239,044 ; Apr. 22.

Leighton, John W., Port Huron, Mich. Manufacturing arms. 2,239,045 ; Apr. 22.

Leitz, E., Inc. (See Boch, Alfred, assignor.)

Leliter, Chester P., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Road working machine. 2,239,849 ; Apr. 22.

Lembeck, Louis. (See Fitzgerald, L. A., and Lembeck.)

Lemon, Herbert W. (See Goodings, A. C., Marshall, and Lemon.)

Levich, Hymon, Des Moines, Iowa. Knee actuated switch. 2,239,155 ; Apr. 22.

Levick, Nathan D., New York, N. Y. Dental accessory device. 2,239,392 ; Apr. 22.

Levy, Marcel A. E., assignor to Societe Anonyme ; Societe Francaise de Metrographie, Paris, France. Mechanism for justifying of number wheels. 2,239,460 ; Apr. 22.

Lewis, Arthur A., Vallejo, Calif. Detachable base. 2,239,156 ; Apr. 22.

Lewis, Harold A., Wilmington, Del., and F. R. Wilson, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting assembly. 2,238,939 ; Apr. 22

Lewis, Robert H., Chicago, Ill. Wheel rim for pneumatic tires. 2,239,504 ; Apr. 22.

Libbey Glass Company. (See Schutz, Harold R., assignor.)

Libbey-Owens Ford Glass Company. (See Doner, Halbert C., assignor.)

Leiber, Eugene. (See Mikeska, L. A., and Lieber.)

Liem, See T., assignor to Dr. H. F., Torringa, The Hague, Netherlands. Screw type closure. 2,239,238 ; Apr. 22.

Lieneweg, Fritz, Berlin Siemensstadt, Germany. Electrode for measuring the conductivity of liquids. 2,238,903 ; Apr. 22.

Lineh, Adrian L., Wilmington, Del., and V. Weinmayr, Pittman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products from high molecular weight carbocyclic ketones. 2,238,940 ; Apr. 22.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Short wave communication system. 2,238,904 ; Apr. 22

Lindemann, Louis H., Chicago, Ill. Weed puller. 2,239,108 ; Apr. 22.

Lindhard, Povl T., Rumson, and E. Svendsen, Cranford, N. J., assignors to F. L. Smidth & Co., New York, N. Y. Preheating apparatus. 2,238,941 ; Apr. 22.

Lindström, Helge Edvard, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Selector. 2,239,329 ; Apr. 22.

Lion Manufacturing Corporation. (See Wahl, John C., assignor.)

Lipman, William L., Washington Crossing, N. J. Poultry drinking fountain. 2,239,393 ; Apr. 22.

Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)

Livadary, John P., Los Angeles, Calif., assignor to Radio Corporation of America. Sound recording. 2,239,505 ; Apr. 22.

Livak, John E. (See Coleman, G. H., Moyle, and Livak.)

Lloyd, Walter R., Decatur, Ill. Scoop for ice cream and the like. 2,239,046 ; Apr. 22.

Loetscher, David L., assignor to Crown Can Company, Philadelphia, Pa. Food processing. 2,239,008 ; Apr. 22.

Lőránd, Sándor, Budapest, Hungary. Recording device. 2,239,330 ; Apr. 22.

Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Joint. 2,239,299 ; Apr. 22.

Lord Manufacturing Company. (See Lord, Hugh C., assignor.)

Lorenz, C., Aktiengesellschaft. (See Deserno, Peter, assignor.)

Loth, Gaylord, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Cradle box. 2,239,365 ; Apr. 22.

Lowe, Rudy P., Cranston, assignor to Builders Iron Foundry, Providence, R. I. Telemetric controller for dependent quantities. 2,239,157 ; Apr. 22

Lucker, Millard B., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Lifting jack. 2,239,268 ; Apr. 22.

Ludwig, Arnold E., Asbury Park, N. J. Brake. 2,239,172 ; Apr. 22.

Lundell, William A., Tacoma, Wash. Two-cycle engine carburetion system. 2,239,239 ; Apr. 22.

Lundquist, Wilton G. (See Chilton, R., Lundquist, and Hill.)

Lundvall, John S., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Refrigerator car construction. 2,239,109 ; Apr. 22.

Lundvall, John S., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Refrigerator car hatch closure. 2,239,269 ; Apr. 22.

Lunvik, Rasmus, Dorris, Calif. Vending and display device. 2,239,196 ; Apr. 22.

Lyman, Albert K. B., et al. (See Kuna, Charles S., assignor.)

Lyne Co. (See Lyons, Joseph L., Jr., assignor.)

Lyon, George A., Allenhurst, N. J. Wheel disk and wheel assembly. 2,239,366 ; Apr. 22.

Lyon, George A., Allenhurst, N. J. Wheel disk mounting. 2,239,367 ; Apr. 22.

Lyon, George A., Allenhurst, N. J. Forming a wheel cover. 2,239,368 ; Apr. 22.

Lyons, Joseph L., Jr., assignor to Lyne Co., Chicago, Ill. Folding bottle carrying carton. 2,239,564 ; Apr. 22.

Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Gas turbine plant. 2,238,905 ; Apr. 22.

Mackechnie, Harry W., Northport, assignor to Johns-Mansville Corporation, New York, N. Y. Insulated structure. 2,239,394 ; Apr. 22.

Madsen, Louis P. (See Baker, J. F., Almond, Ferguson, and Madsen.)

Madsen, Sern, assignor to Curtis Companies Incorporated, Clinton, Iowa. Double glazed window structure. 2,239,173 ; Apr. 22.

Maechtlen, Lawrence G. (See Hierenfeld, J., and Maechtlen.)

Magness, Joseph R., Geary, Okla. Motor vehicle visor. 2,239,240 ; Apr. 22.

Mahoney, John J., Boston, Mass. Cleansing device for dishes and the like. 2,239,110 ; Apr. 22.

Major, Earl M., et al. (See Kuna, Charles S., assignor.)

Malawista, John J. (See Markish, E. A., Miller, and Malawista.)

Mallory, Marion, Detroit, Mich. Vehicular system. 2,239,395 ; Apr. 22.

Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)

Mann, Reginald W., Monkseaton, England. Rock boring bit. 2,239,461 ; Apr. 22.

Mapes Consolidated Manufacturing Company. (See De Reamer, William J., assignor.)

Marateck, Jacob M., New York, N. Y. Lock for lock controlled alarms. 2,238,942 ; Apr. 22.

Marathon Paper Mills Company. (See Cocks, George W., assignor.)

Mark, Louis C., Providence, R. I. Locket. 2,239,009 ; Apr. 22.

Markush, Eugene A., Jersey City, J. Miller, Newark, N. J., and J. J. Malawista, Brooklyn, assignors to Pharma Chemical Corporation, New York, N. Y. Diazo-imino compounds. 2,239,565 ; Apr. 22.

Marquis, Byron, Westfield, N. J., assignor to Interchemical Corporation, New York, N. Y. Recovering pigment. 2,239,402 ; Apr. 22.

Marshall, Harry H. (See Goodings, A. C., Marshall, and Lemon.)

Martell, Jean K., Wynnewood, Pa., and J. W. Schaller, San Diego, assignors to Fitger California Company, Los Angeles, Calif. Alginate compound and dispersing same in milk products. 2,238,906 ; Apr. 22.

Martin, Cary W., Los Angeles, Calif. Antenna means. 2,239,613 ; Apr. 22.

Martin, Cary W., Los Angeles, Calif. Extensible aerial. 2,239,614 ; Apr. 22.

Martin, Erle, and A. G. Day, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Speed responsive control device. 2,239,445 ; Apr. 22.

Martin, John F., and W. D. Crocker, assignors to American Bosch Corporation, Springfield, Mass. Engine driving mechanism for magnetos. 2,239,650 ; Apr. 22.

Martin, Wendell L., Cleveland, Ohio, assignor, by mesne assignments, to International Register Company, Chicago, Ill. Scroll cutting machine. 2,239,291 ; Apr. 22.

Mason, Claude D. (See O'Dell, J. E., and Mason.)

Mathewson, John W., Oakdale, Pa. Baseball playing device. 2,239,446 ; Apr. 22.

Mathiessen, Edward M., Chicago, Ill. Pan cleaner brush. 2,239,047 ; Apr. 22.

McCarty, Eliza C. (See Grooms, H. H., and McCarty.)

McClay, Royal C., Los Angeles, Calif., assignor to Warner Brothers Pictures, Inc. Film tempo punch. 2,239,532 ; Apr. 22.

McCloud, Edward H., Columbus, Ohio. Antiglare shield for automobiles. 2,239,158 ; Apr. 22.

McConica, Thomas H., III, assignor to The Dow Chemical Company, Midland, Mich. Condensing magnesium vapor. 2,238,908 ; Apr. 22.

McConica, Thomas H., III, assignor to The Dow Chemical Company, Midland, Mich. Recovery of magnesium from vapor mixtures. 2,238,910 ; Apr. 22.

McConica, Thomas H., III, and T. Griswold, Jr., assignors to The Dow Chemical Company, Midland, Mich. Recovery of magnesium from vapor phase mixtures. 2,238,909 ; Apr. 22.

McConica, Thomas H., III, and C. E. Nelson, assignors to The Dow Chemical Company, Midland, Mich. Condensation of metal vapors. 2,238,907 ; Apr. 22.

McCoy, J. Rodman, et al. (See Jensen, James A., assignor.)

McCullough, Paul J., and J. Pavelka, Sr., St. Louis, Mo.; said McCullough assignor to said Pavelka. Connector bolt. 2,238,911 ; Apr. 22.

McCune, Joseph C., Edgewood, and G. K. Newell, near Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,238,943 ; Apr. 22.

McIlard, James A., and F. C. Peterson, assignors to The Dow Chemical Company, Midland, Mich. Bleaching of cellulose ethers. 2,238,912 ; Apr. 22.

McMahon, John H. (See Miller, A. W., and McMahon.)

McMillan, John E., Randolph, N. H. Ash remover. 2,239,010 ; Apr. 22.

McMurray, Frederick R., and P. D. Merrill, assignors to M. B. Skinner Company, South Bend, Ind. Service saddle. 2,239,651 ; Apr. 22.

Mebold, Frederick W., assignor to James R. Kearney Corporation, St. Louis, Mo. Producing connector parts. 2,239,331 ; Apr. 22.

Mee, Herbert P., assignor to The Cleveland Tractor Company, Cleveland, Ohio. Removable implement carrying tractor frame. 2,239,322 ; Apr. 22.

Meide, August G., assignor to Henry Disston & Sons, Inc., Seattle, Wash. L-shaped cutter knife. 2,239,615 ; Apr. 22.

Memovox, Inc. (See Banning, Frederick D., assignor.)

Mercer, W. M. (See Krall, Leo W., assignor.)

Mercier, Jean, Neuilly-sur-Seine, France. Hydraulic system. 2,239,566 ; Apr. 22.

Mergehenn, Adolph. (See Mergehenn, John H. and A.)

Mergehenn, John H., Catonsville, and A. Mergehenn, Baltimore, Md. Truss. 2,239,616 ; Apr. 22.

Mergott, J. E., Company, The. (See Laubenstein, George, assignor.)

Merrill, Patterson D. (See McMurray, F. R., and Merrill.)

Meslin, John, Brooklyn, N. Y. Building panel. 2,239,011 ; Apr. 22.

Messinger Devices, Incorporated. (See Messinger, Lester H., Jr., assignor.)

Messinger, Lester H., Jr., Trumbull, assignor to Messinger Devices, Incorporated, Bridgeport, Conn. Fuel regulator for motor temperature conditions. 2,239,292 ; Apr. 22.

Metals & Controls Corporation. (See Spencer, John A., assignor.)

Metcalf, Herbert E., and E. W. Carroll, assignors to S & W Fine Foods, Inc., San Francisco, Calif. Electrical monitor and circuit. 2,238,980 ; Apr. 22.

Michaud, Henry A. and J. A., Hodge, Ld. Stair structure. 2,239,428 ; Apr. 22.

Michaud, James A. (See Michaud, Henry A. and J. A.)

Mickle, Harrison I., South Ozone Park, N. Y. Motor actuated rotary shaving head. 2,239,333 ; Apr. 22.

Mickler, Bertram C., et al. (See Conner, Robert A., assignor.)

Miehle Printing Press & Manufacturing Company. (See Dudley, Edward F., assignor.)

Miescher, Karl, Riehen, and A. Wettstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Compounds of the cyclopentanopolyhydrophenanthrene series and making same. 2,239,012 ; Apr. 22.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Pour point depressant. 2,239,533 ; Apr. 22.

Mikeska, Louis A., Westfield, N. J., and E. Lieber, West New Brighton, Staten Island, N. Y., assignors to Standard Oil Development Company. Polymerization and condensation products. 2,239,534 ; Apr. 22.

Miller, Arthur W., and J. H. McMahon, Albany, Calif. Automatic motion picture machine. 2,239,241 ; Apr. 22.

Miller, De Mont G., assignor to Patterson-Ballagh Corporation, Los Angeles, Calif. Line wiping device. 2,239,159 ; Apr. 22.

Miller, Floyd L. (See Frolich, P. K., and Miller.)

Miller, Frank S., St. Louis, Mo. Smoking device. 2,239,048 ; Apr. 22.

Miller, Harold R., Washington, D. C. Break-in relay. 2,238,913 ; Apr. 22.

Miller, Horace G. (See Hogan, J. V. L., and Miller.)

Miller, Irven T., Modesto, Calif. Pulverizer. 2,239,197 ; Apr. 22.

Miller, Julius. (See Markish, E. A., Miller, and Malawista.)

Miller, Lee, Los Angeles, Calif. Awning. 2,239,242 ; Apr. 22.

Mills, Burton L., Buchanan, Mich., assignor, by mesne assignments, to Wingfoot Corporation, Wilmington, Del. Wheel. 2,239,463 ; Apr. 22.

Milone, Samuel, Camden, N. J. Vacuum-actuated spring-winding device. 2,239,334 ; Apr. 22.

Minneapolis-Honeywell Regulator Company. (See Shipley, S. C., and Cyr, assignors.)

Minton, Gerald Z. (See Black, L. V., and Minton.)

Minton, Gerald Z., and L. V. Black, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for making tempered glass. 2,239,535 ; Apr. 22.

Moger, Frederick C., Harrison, Mont. Gopher poison dispenser. 2,239,464 ; Apr. 22.

Mohun, John L., Jr. (See Mosier, C., and Mohun, Jr.)

Molins, Desmond W., Deptford, London, England. Cigarette rod forming mechanism. 2,239,335 ; Apr. 22.

Molins Machine Company. (See Chalmers, J. W., and Foale, assignors.)

Monchamps, Albert, La Plaine Saint-Denis, assignor to Societe Anonyme dite : Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Oil circuit breaker for ultra high speed reclosure. 2,239,243 ; Apr. 22.

Monroe Auto Equipment Company. (See Nickelsen, John M., assignor.)

Moore, Edmund W., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,239,336 ; Apr. 22.

Moore, John C., assignor to The Dow Chemical Company, Midland, Mich. Preparation of iminodiacetic and aminotriacetic acids. 2,239,617 ; Apr. 22.

Moore, Vincent T., Port Washington, N. Y., assignor to Wright Aeronautical Corporation. Dynamic damper. 2,239,111 ; Apr. 22.

Morgan, David H., assignor to Truscon Steel Company, Youngstown, Ohio. Bracing means for canopy doors. 2,239,462 ; Apr. 22.

Morris, Colin J. O. R. (See Kuhn, R., and Morris.)

Morris, Truman S., Houston, Tex. Gravity meter. 2,239,049 ; Apr. 22.

Morten, Louis G., Teaneck, and J. F. O'Brien, Jersey City, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical unit. 2,239,652 ; Apr. 22.

Mosier, Carl, and J. L. Mohun, Jr., Chicago, Ill., assignors to Unlon Asbestos & Rubber Company. Insulating tape. 2,239,293 ; Apr. 22.

Mowry, Roy M., Huntington Park, Calif. Sluice. 2,239,396 ; Apr. 22.

Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric regulating system. 2,239,429 ; Apr. 22.

Moyle, Clarence L. (See Coleman, G. H., and Moyle.)

Moyle, Clarence L. (See Coleman, G. H., Moyle, and Livak.)

Muirhead, Harry A., Vancouver, British Columbia, Canada. Display cabinet. 2,239,618 ; Apr. 22.

Muller, J. C., N. V. (See Körber, Kurt A., assignor.)

Muller, Johan A. (See Ernst, W., Muller, and Shaw.)

Muller, Walter, Dunellen, and W. H. Reimann and A. Johnson, assignors to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete conveying apparatus. 2,238,944 ; Apr. 22.

Murgatroyd, John B., and J. G. Gregory, Greenford, England, assignors to Owens-Illinois Glass Company. Apparatus for stenciling. 2,239,619 ; Apr. 22.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade. 2,239,536 ; Apr. 22.

Murray Corporation of America, The. (See Avery, Clarence W., assignor.)

Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)

Murray Corporation of America, The. (See Horton, Frank J., assignor.)

Mutual Machine Company. (See Cahill, John J., assignor.)

Nagle, Harold J., et al., trustees. (See Fisher, Roy J., assignor.)

Napier, D., & Son Limited. (See Halford, F. B., and Vickers, assignors.)

National Seal Corporation. (See Wainwright, Herbert, assignor.)

Nauert, Carl H., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,239,369 ; Apr. 22.

Neal, Earl H., Vancouver, Wash. Amusement device. 2,239,506 ; Apr. 22.

Nelson, Carl C., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn. Synchronous motor control system. 2,239,244 ; Apr. 22.

Nelson, Charles E. (See McConica, T. H., III, and Nelson.)

Nelson, Rudolph S. (See Coons, C. C., and Nelson.)

Nenninger, Lester F., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine spindle construction. 2,239,567 ; Apr. 22.

Nepoti, Agostino, Sesto Calende, Varese, Italy. Welding rod. 2,239,465 ; Apr. 22.

Neufeld, Jacob, assignor to Well Surveys, Incorporated, Tulsa, Okla. Method of and apparatus for electrical investigation of drill holes. 2,239,466 ; Apr. 22.

Neumann, Willy, Siedling, Ladeburg, Near Bernau, Germany. Filtering or purifying fluid. 2,239,620 ; Apr. 22.

Newell, Elwood B., Grand Rapids, Mich. Screen structure. 2,238,981 ; Apr. 22.

Newell, George K. (See McCune, J. C., and Newell.)

Newman, Ernest A., Woburn, assignor of twenty-five one-hundredths to F. G. Chase, Winchester, Mass. Remote signal device and control. 2,239,160 ; Apr. 22.

Newton, Noel B., Acton, London, England. Centrifugal clutch. 2,239,568 ; Apr. 22.

New York Silicate Book Slate Co. Inc. (See Bayer, Harry, assignor.)

Nichols, Harry T., San Antonio, Tex., assignor to C. A. Vance, Tustin, Calif. Compound pulley hoisting apparatus and the reeving thereof. 2,239,493 ; Apr. 22.

Nichelsen, John M., Ann Arbor, assignor to Monroe Auto Equipment Company, Monroe, Mich. Shock absorber. 2,239,112 ; Apr. 22.

Nicol, John, assignor to Divco-Twin Truck Company, Detroit, Mich. Folding door. 2,239,467; Apr. 22.
Nisenson, Jules, assignor to Unit Venetian Blind Supply Co., New York, N. Y. Venetian blind tilter. 2,239,621; Apr. 22.
Nordberg, Martin E. (See Dalton, R. H., and Nordberg.)
Norberg, William A. (See Rowe, A. V., and Norberg.)
Norelli, Vincent B., Washington, D. C. Molding apparatus. 2,239,338; Apr. 22.
North, Gerald C., Evanston, V. C. Stebnitz, and A. J. Alton, assignors to Beatrice Creamery Company, Chicago, Ill. Sterilization of food products. 2,239,397; Apr. 22.
Norton, Chester H., Bronxville, N. Y. Bed for dogs or the like. 2,238,982; Apr. 22.
Norton Company. (See Amidon, Charles H.)
Norton Company. (See Flygare, Carl G., assignor.)
Nye, Edward F., Philadelphia, Pa. Agitating and dispensing means. 2,239,337; Apr. 22.
O. R. Engineering Company Limited. (See Rosenfelder, O., and Weber, assignors.)
O'Brien, Joseph F. (See Morten, L. G., and O'Brien.)
O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electrical convenience outlet. 2,239,653; Apr. 22.
O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electrical switch unit. 2,239,654; Apr. 22.
O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Connector unit for wiring system. 2,239,655; Apr. 22.
O'Connor, Arthur F., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Cushioning device. 2,239,113; Apr. 22.
O'Connor, Arthur F., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Railway refrigerator car. 2,239,622; Apr. 22.
O'Dell, John E., and C. D. Mason, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Pneumatic cushion. 2,239,300; Apr. 22.
Oeckl, Otto, Berlin-Schoneberg, assignor to the firm: Henschel Flugzeug-Werke Aktiengesellschaft, Schonefeld, Kreis Teltow, Germany. Pressing apparatus. 2,239,339; Apr. 22.
Ohio Salt Company, The. (See Forrer, Robert W., assignor.)
Ohio Salt Company, The. (See Forrer, R. W., and Gilbert, assignors.)
Oliner, Leo E., New York, N. Y. Leather substitute. 2,239,245; Apr. 22.
Olmstead, Frederick A., Cleveland Heights, assignor to The Hodell Chain Company, Cleveland, Ohio. Machine for making chains. 2,239,114; Apr. 22.
Olson, Charles A., Geneva, assignor to Crane Co., Chicago, Ill. Valve. 2,239,271; Apr. 22.
Opotow, Nathan, New York, N. Y. Dental apparatus. 2,239,294; Apr. 22.
Osborn, William H., New York, and S. B. Tuwiner, Kew Gardens, assignors to Phelps Dodge Corporation, New York, N. Y. Separation of metals by distillation. 2,239,370; Apr. 22.
Osborn, William H., New York, S. B. Tuwiner, Kew Gardens, and E. O. Sperr, deceased, (E. Sperr, administratrix), Brooklyn, assignors to Phelps Dodge Corporation, New York, N. Y. Separation of metals by distillation. 2,239,371; Apr. 22.
Oster, Charles E., Rochester, N. Y. Slitting machine. 2,239,623; Apr. 22.
Ostling, William, Los Angeles, Calif., and C. Richard, Manhasset, N. Y., assignors to H. M. Sawyer, San Francisco, Calif. Apparatus for washing tanks. 2,239,198; Apr. 22.
Overman, Max C. (See Work, O. C., and Overman.)
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass block mounting. 2,239,537; Apr. 22.
Owens-Illinois Glass Company. (See Murgatroyd, J. B., and Gregory, assignors.)
Page, Ronald. (See Groombridge, W. H., and Page.)
Palkin, Samuel. (See Fleck, E. E., and Palkin.)
Palmer, Arthur L. (See Palmer, Charles P. and A. L.)
Palmer, Charles P. and A. L., Kilmarnock, Va. Fish cleaning and cutting machine. 2,239,013; Apr. 22.
Palmer, Frank D., Chicago, Ill., assignor to Kraft Cheese Company. Packaging. 2,239,398; Apr. 22.
Pandya, Anant H., Westminster, London, England. Construction of roofs of buildings and the like. 2,239,399; Apr. 22.
Papst, Max, Paris, France. Door lock particularly for automobiles. 2,239,301; Apr. 22.
Parsons, Walter S., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Chart mechanism for recording instruments. 2,238,983; Apr. 22.
Partlow Corporation, The. (See Clark, James K., assignor.)
Partlow Corporation, The. (See Fanger, Herman J., assignor.)
Passantino, Frank J., and V. Davi, San Francisco, Calif. Ornamental electric lamp. 2,239,340; Apr. 22.
Patterson-Ballagh Corporation. (See Miller, De Mont G., assignor.)
Patton, John W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sleeping car construction. 2,239,272; Apr. 22.
Patzer, William, and W. A. Tratsch, Chicago, Ill. Coin chute. 2,239,050; Apr. 22.
Pavelka, Joseph, Sr. (See McCullough, P. J., and Pavelka.)
Pawelsky, Vernon R. (See Johnson, R. W., and Pawelsky.)
Pearsall, David E., Pittsburgh, Pa., and J. D. Rich, West Hartford, assignors to The Ensign-Bickford Company, Simsbury, Conn. Ignition device for use with safety fuses or the like. 2,239,051; Apr. 22.
Pearsall, David E., Pittsburgh, Pa., and J. D. Rich, West Hartford, assignors to The Ensign-Bickford Company, Simsbury, Conn. Rapid ignition device for use with safety fuses or the like. 2,239,052; Apr. 22.
Pearson, Erick, Chicago, Ill. Control system for the remote operation of power plants. 2,238,914; Apr. 22.
Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for packaging products in a vacuum. 2,239,115; Apr. 22.
Pellegrino, Charles N. (See Pollina, Louis M., assignor.)
People of the United States of America, Dedicated to the. (See Fleck, E. E., and Palkin.)
Perech, Ramon. (See Gomez, Ramon, assignor.)
Peters, Melville F., Beltsville, Md., and R. H. Stone, Round Brook, N. J., assignors to Titeflex Metal Hose Co. Electric filter. 2,238,915; Apr. 22.
Peterson, Eric A., Worcester, Mass. Game. 2,239,014; Apr. 22.
Peterson, Floyd C. (See McHard, J. A., and Peterson.)
Peterson, Millard W., Westwood, Calif. Device for training football kickers. 2,239,200; Apr. 22.
Pfitzner, Helmut. (See Kralkalla, H., Pfitzner, and Schmidt.)
Pharma Chemical Corporation. (See Markush, E. A., Miller, and Malawista, assignors.)
Pharmaceutical Products, Incorporated. (See Miescher, K., and Wettstein, assignors.)
Phelps Dodge Corporation. (See Osborn, W. H., and Tuwiner, assignors.)
Phelps Dodge Corporation. (See Osborn, W. H., Tuwiner, and Sperr, assignors.)
Philadelphia Quartz Company. (See Vail, J. G., and Baker, assignors.)
Pierce, Firth, East Los Angeles, Calif., assignor, by mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis. Vehicle tank. 2,239,507; Apr. 22.
Pierce, John B., Foundation. (See Morten, L. G., and O'Brien, assignors.)
Pierce, John B., Foundation. (See O'Brien, Joseph F., assignor.)
Pike, Robert D., Piedmont, and D. Baird, Berkeley, Calif. Cooler for cement clinker. 2,239,246; Apr. 22.
Pitt, Samuel, Westfield, and L. O. Reichelt, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 2,239,400; Apr. 22.
Pittsburgh Corning Corporation. (See Knudsen, Percy E., assignor.)
Pittsburgh Plate Glass Company. (See Aull, W. J., Jr., and West, assignors.)
Pittsburgh Plate Glass Company. (See Black, L. V., and Minton, assignors.)
Pittsburgh Plate Glass Company. (See Cox, S. F., and Knudsen, assignors.)
Pittsburgh Plate Glass Company. (See Gurwood, Alexander G., assignor.)
Pittsburgh Plate Glass Company. (See Kamerer, James W., assignor.)
Pittsburgh Plate Glass Company. (See Knudsen, Percy E., assignor.)
Pittsburgh Plate Glass Company. (See Minton, G. Z., and Black, assignors.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Poindexter, James B., Huntington, W. Va. Dental X ray film holder. 2,239,569; Apr. 22.
Pollina, Louis M., assignor of one-half to C. N. Pellegrino, North Collins, N. Y. Combined window curtain bracket and drapery support. 2,239,247; Apr. 22.
Potter, Lowell. (See Schoenfeld, Gustav C., assignor.)
Powell, Charles E., Wadsworth, Ohio. Electrical switch mechanism. 2,239,624; Apr. 22.
Powell, David, Los Angeles, Calif. Furring nail. 2,238,945; Apr. 22.
Powell, Harry E., Logansport, Ind. Support for fog lights. 2,239,015; Apr. 22.
Power, Roy B., Jr. (See Goodhue, W. M., and Power.)
Powers, Joseph B., Jackson Heights, N. Y. Mixing valve. 2,238,916; Apr. 22.
Pratt, Jesse G., Silver Spring, Md. Combination photographic etching knife and sharpener. 2,239,372; Apr. 22.
Pribula, Mike, Chicago, Ill. Hand and siphon flusher. 2,239,570; Apr. 22.
Pritchard, Sydney H., Shenfield, England, assignor to Baker & Company, Inc. Mounting or setting of gems, precious stones, or the like. 2,239,302; Apr. 22.
Productive Inventions, Inc. (See Anderson, John W., assignor.)
Projahn, Heinrich. (See Langenohl, M., and Projahn.)

Protectall Motor Signal, Inc. (See Steele, Harry A., assignor.)
Pulley, Roy D., assignor to Industrial Patents Corporation, Chicago, Ill. Casing machine. 2,239,199; Apr. 22.
Pullman-Standard Car Manufacturing Company. (See Thunstrom, Nils A., assignor.)
Purdy, Charles F. (See Schatzman, G. W., and Purdy.)
Purington, Ellison S., assignor to J. H. Hammond, Jr., Gloucester, Mass. Space discharge device. 2,239,303; Apr. 22.
Purity Bakeries Corporation. (See Waltzman, Hyman, assignor.)
Pyzel, Robert F., Chicago, Ill. Stabilizer for hand cameras. 2,239,201; Apr. 22.
RFC Mortgage Company, The. (See Uline, Migiel J., assignor.)
Rachlin, Max, Flushing, N. Y. Clip. 2,239,468; Apr. 22.
Radio Corporation of America. (See Bond, Donald S., assignor.)
Radio Corporation of America. (See Eddison, Clifford, assignor.)
Radio Corporation of America. (See Haeff, Andrew V., assignor.)
Radio Corporation of America. (See Herold, Edward W., assignor.)
Radio Corporation of America. (See Jonker, Johan L. H., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Kreuzer, Barton, assignor.)
Radio Corporation of America. (See Livadary, John P., assignor.)
Radio Corporation of America. (See Smith, S. B., and Kemp, assignors.)
Radio Corporation of America. (See Wagner, Herbert M., assignor.)
Radio Inventions, Inc. (See Hogan, J. V. L., and Miller, assignors.)
Ramert, Hermann. (See Burkhardt, W., Ramert, Reinecke, and Wehnelt.)
Ransome Concrete Machinery Company. (See Muller, W., Reimann, and Johnson, assignors.)
Ray, Don, Beverly Hills, assignor to Arden Farms Co., Los Angeles, Calif. Package for food products and the like. 2,239,571; Apr. 22.
Ray, William A., Glendale, Calif. Fluid pressure regulator. 2,239,116; Apr. 22.
Reason, Richard E., assignor to Kapella Limited, Leicester, England. Sighting telescope. 2,239,469; Apr. 22.
Reconstruction Finance Corporation. (See Iler, Henry H., assignor.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Rehm, Gustave A., assignor to Riley Stoker Corporation, Worcester, Mass. Furnace. 2,239,341; Apr. 22.
Reichelt, Lester O. (See Pitt, S., and Reichelt.)
Reimann, William H. (See Muller, W., Reimann, and Johnson.)
Reinecke, Rudolf. (See Burkhardt, W., Ramert, Reinecke, and Wehnelt.)
Remington Arms Company. (See Brun, Willi, assignor.)
Rendleman, Norman C., Pittsburgh, Pa., assignor to Jones and Laughlin Steel Corporation. Forging blank for steering knuckles. 2,239,202; Apr. 22.
Rendleman, Norman C., Pittsburgh, Pa., assignor to Jones and Laughlin Steel Corporation. Making steering knuckles. 2,239,203; Apr. 22.
Rhodes, Tempe G. (See Withey, John H., assignor.)
Rich, John D. (See Pearsall, D. E., and Rich.)
Richa, John H., assignor of one-half to said Richa, and one-half to C. B. Jones, Kansas City, Mo. Method of and apparatus for finishing fabrics. 2,239,572; Apr. 22.
Richard, Clare. (See Ostling, W., and Richard.)
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Richardson, Fred W., Sturgis, assignor to Kirsch Company, St. Joseph, Mich. Curtain rod. 2,238,984; Apr. 22.
Richter, Robert, assignor to the firm Carl Zeiss, Jena, Germany. Photographic teleobjective. 2,239,538; Apr. 22.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Press assembly. 2,239,248; Apr. 22.
Riley Stoker Corporation. (See Rehm, Gustav A., assignor.)
Riley, William I., Trussville, Ala. Brake actuating mechanism. 2,239,117; Apr. 22.
Rober, Anton, Milwaukee, Wis. Water propelling device. 2,239,016; Apr. 22.
Roberts, Floyd, Bismarck, N. Dak. Depthometer. 2,239,573; Apr. 22.
Roberts, Roy M., Los Angeles, Calif. Carpet fastener. 2,238,946; Apr. 22.
Roberts, Ruby H., Stone Mountain, Ga. Bed covering. 2,239,017; Apr. 22.
Robinson, George W., Torrance, Calif. Closure. 2,239,249; Apr. 22.
Robinson, Harold A. (See Chamberlain, L. C., and Robinson.)
Robinson, Robert, Oxford, England. Manufacture of cyclic ketones. 2,239,250; Apr. 22.
Robinson, Slayden R., Whittier, Calif., assignor to Halliburton Oil Well Cementing Company. Cementing tool. 2,239,296; Apr. 22.
Robinson, Slayden R., Whittier, and W. J. Travers, Jr., Bakersfield, Calif., assignors to Halliburton Oil Well Cementing Company. Cementing tool. 2,239,295; Apr. 22.
Roby, Frank H., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Welder control system. 2,239,053; Apr. 22.
Rock, Murray, Denver, Colo. Hair rinse and dye applicator. 2,239,054; Apr. 22.
Rockhill, Roscoe R., Milwaukee, Wis. Rotary duplicating machine. 2,239,401; Apr. 22.
Roehm, Erwin G., Norwood, and H. Fritschi, Silverton, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Profile milling machine. 2,239,625; Apr. 22.
Roesen, Oscar C., Scarsdale, N. Y., and I. Tornberg, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Delivery mechanism. 2,239,118; Apr. 22.
Rogers, John H. (See Huzenlaub, E. G., and Rogers.)
Rogerson, William M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Welding method and flux for the same. 2,239,018; Apr. 22.
Rosenthal, Arthur, assignor to Rose Patch & Label Co., Grand Rapids, Mich. Inking mechanism for intaglio printing presses. 2,238,985; Apr. 22.
Rose Patch & Label Co. (See Rosenthal, Arthur, assignor.)
Rosenfelder, Oskar, and E. Weber, assignors to O. R. Engineering Company Limited, London, England. Tying bows or knots. 2,239,342; Apr. 22.
Ross, Oscar A., New York, N. Y. Sound recording system. 2,238,947; Apr. 22.
Rowe, Alvin V., and W. A. Norberg, assignors to Rowe Manufacturing Company, Galesburg, Ill. Overhead door structure. 2,239,273; Apr. 22.
Rowe Manufacturing Company. (See Rowe, A. V., and Norberg, assignors.)
Rudolf, Artur, Sonneberg, Thuringen, Germany, assignor to The Rulag Battery Company Limited, London, England. Electric battery. 2,239,251; Apr. 22.
Ruedy, John E. (See Williams, R. C., and Ruedy.)
Rulag Battery Company Limited, The. (See Rudolf, Artur, assignor.)
Rumbaugh, Carl P., Lancaster, Pa. Illumination unit. 2,239,343; Apr. 22.
Rutledge, Mary K., Cleveland, Okla. Permanent wave spindle. 2,239,119; Apr. 22.
Ryden, Eric H., Bedford, and A. C. Schickler, Beechwood, assignors to The Bryant Heater Company, Cleveland, Ohio. Absorption type refrigerating system. 2,239,019; Apr. 22.
Ryder, Earle A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine lubricating system. 2,239,447; Apr. 22.
S & W Fine Foods, Inc. (See Carroll, Ellsworth W., assignor.)
S & W Fine Foods, Inc. (See Carroll, E. W., Lachman, and Wormser.)
S & W Fine Foods, Inc. (See Metcalf, H. E., and Carroll, assignors.)
Sachs, Erich G., New York, N. Y. Liquid level indicating implement for tanks. 2,239,402; Apr. 22.
Saco-Lowell Shops. (See Jones, R. M., and Burnham, assignors.)
Safir, Leo C., South Norwalk, Conn. Robe. 2,239,274; Apr. 22.
St. John, Henry W., Llanerch, Pa. Engine truck. 2,239,658; Apr. 22.
St. Louis, Charles V., Chicago, and F. D. Wedge, Lombard, assignors to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,239,121; Apr. 22.
Sander, Karl, Osnabruck, Germany. Pipe coupling. 2,239,252; Apr. 22.
Savage, W. J., Company. (See Fulton, Weston M., assignor.)
Sawyer, David F., Rock Springs, Wyo. Gaseous tube bending machine. 2,239,055; Apr. 22.
Sawyer, Harold M. (See Ostling, W., and Richard, assignors.)
Schaller, Joseph W. (See Martell, J. K., and Schaller.)
Schat, Ane P., Utrecht, Netherlands. Gravity davit. 2,239,253; Apr. 22.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender skirt attaching mechanism. 2,238,948; Apr. 22.
Schatzman, George W., and C. F. Purdy, assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Fender wheel housing assembly. 2,239,373; Apr. 22.
Schein, John E. (See Hills, Ernest E., assignor.)
Schell, Carl A., Lower Makefield Township, Bucks County, Pa., assignor to Thermoid Company, Trenton, N. J. Brake liner. 2,239,574; Apr. 22.
Schellenger, Newton C., and W. E. Haselwood, assignors to Chicago Telephone Supply Co., Elkhart, Ind. Unitary casing for combined switches and rheostats. 2,239,374; Apr. 22.
Schering Corporation. (See Hildebrandt, Friedrich, assignor.)

Schering Corporation. (See Strassberger, Lothar, assignor.)
Schick, Friedrich, assignor, by mesne assignments, to Deutsche Erdol-Aktiengesellschaft, Berlin-Schoeneberg, Germany. Removal and the recovery of solvent remainders from liquids, particularly of selective solvents from hydrocarbon oils and the like. 2,239,470; Apr. 22.
Schiffer, Mary, New York, N. Y. Strapless brassière. 2,239,056; Apr. 22.
Schlack, Paul, Berlin-Treptow, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Modifying the electrochemical properties of shaped articles. 2,238,949; Apr. 22.
Schlappritzi, Edward W. (See Tallmadge, Everett S., assignor.)
Schlappritzi, Edward W., Minneapolis, Minn. Seat spring structure. 2,239,057; Apr. 22.
Schlecht, Helmut and L., Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of nickel and copper from nickel-copper mattes. 2,239,626; Apr. 22.
Schlecht, Leo. (See Schlecht, Helmut and L.)
Schlumpf, Robert W., assignor to Hughes Tool Company, Houston, Tex. Hard metal alloy. 2,239,058; Apr. 22.
Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Silver guide. 2,239,403; Apr. 22.
Schmidt, John B., assignor of one-half to C. Brandstetter, Kent, Wash. Following screen for windows. 2,239,357; Apr. 22.
Schmidt, Karl. (See Krzikalla, H., Pfitzner, and Schmidt.)
Schmidt, Oswald, and H. Schrumpf, assignors to the firm Carl Zeiss, Jena, Germany. Sextant. 2,239,539; Apr. 22.
Schmieding, Warren H. F., Columbus, Ohio. Refrigerating system. 2,239,583; Apr. 22.
Schoenfeld, Gustav C., and L. Potter, Great Falls, Mont. Automatic cutoff valve. 2,239,254; Apr. 22.
Schrumpf, Hermann. (See Schmidt, O., and Schrumpf.)
Schulz, Arthur P. (See Teller, J., and Schulz.)
Schutz, Harold R., Toledo, Ohio, assignor to Libbey Glass Company. Method of and apparatus for burning off glassware. 2,239,627; Apr. 22.
Schwab, Isaac M., Savannah, Ga. Ophthalmic mounting. 2,239,575; Apr. 22.
Schwab, Martin C., Chicago, Ill. Self-contained liquid dispensing device. 2,239,275; Apr. 22.
Schwartz, Andrew K., and F. J. Walker, assignors to South Texas Cotton Oil Company, Incorporated, Houston, Tex. Method of and means for processing linr. 2,239,059; Apr. 22.
Scroxton, Wright G. (See Berthold, Emily M., assignor.)
Senz, Melvin J., Port Angeles, Wash. Game board. 2,239,449; Apr. 22.
Seiger, Henry W., Elgin, Ill. Hinge recess gauge. 2,239,576; Apr. 22.
Seki, Henry, New York, N. Y. Tobacco humidifier element. 2,239,628; Apr. 22.
Selhorst, Bernard J., Coldwater, Ohio. Beater tooth for manure spreaders. 2,239,448; Apr. 22.
Serckx, Robert O. L., Saint-Gilles, Brussels, assignor to La Soudure Electrique Autogène, Société Anonyme, Brussels, Belgium. Terminating the flow of arc welding current. 2,239,577; Apr. 22.
Sergent, Walter H., assignor to Ideal Wrapping Machine Company, Middletown, N. Y. Wrapping machine. 2,239,375; Apr. 22.
Servel, Inc. (See Nanert, Carl H., assignor.)
Shaw, George R., Brighton, Victoria, assignor to Chatsworth Investment Propietary Limited, Melbourne, Victoria, Australia. Ventilating device. 2,239,255; Apr. 22.
Shaw, Victor S. (See Ernst, W., Muller, and Shaw.)
Sheets, Charles E., Trenton, Mo. Poultry coop. 2,239,020; Apr. 22.
Shell Development Company. (See Huyser, Hendrik W., assignor.)
Shepherd, Hazel G., Los Angeles, Calif. Game. 2,239,431; Apr. 22.
Shickler, Albert C. (See Ryden, E. H., and Schickler.)
Shipley, Sylvanus C., and B. Cyr, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combined manual switch and fuse block. 2,239,660; Apr. 22.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,238,950; Apr. 22.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Shriver, T., & Company. (See Jahreis, Carl A., assignor.)
Shutak, Dimitry. (See Chesler, L. and Shutak.)
Siano, Lucien, Ballston Spa, N. Y. Soap and water mixer. 2,239,021; Apr. 22.
Siemens & Halske Aktiengesellschaft. (See Fischer, Ernst, assignor.)
Sievert, Carl A., River Forest, G. L. Freundt and L. H. Heinichen, Chicago, Ill.; said Freundt and said Heinichen assignors to said Sievert. Ball bearing retainer. 2,239,629; Apr. 22.
Sifrit, Robert L., Union City, N. J. Calculator. 2,239,344; Apr. 22.
Simard, Nelson. (See Larin, M., and Simard.)
Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
Sipp, Edward A., Oak Park, and R. L. Leadbetter, Wheaton, assignors, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Air-distributing apparatus for ventilating systems. 2,239,508; Apr. 22.
Siren, Andrew O., Radway, Alberta, Canada. Mobile conveyer-elevator. 2,239,250; Apr. 22.
Skinner, M. B., Company. (See McMurray, F. R., and Merrill, assignors.)
Sladkus, Fred, Brooklyn, assignor to J. Weiss, Kings County, N. Y. Decorative cornice. 2,239,664; Apr. 22.
Slepica, William, Seattle, Wash. Fish lure. 2,239,404; Apr. 22.
Sloan, Joseph, New York, N. Y. Ticket issuing machine. 2,239,060; Apr. 22.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,239,578; Apr. 22.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,238,917; Apr. 22.
Smidth, F. L., & Co. (See Lindhard, P. L., and Swendsen, assignors.)
Smiley, John B. (See Foster, Robert B., assignor.)
Smith, A. O., Corporation. (See Pierce, Firth, assignor.)
Smith, A. O., Corporation. (See Uecker, Otto E., assignor.)
Smith, Earle R., assignor to D. P. Holmes, Alhambra, Calif. Brush adjusting mechanism for carpet sweepers. 2,239,276, Apr. 22.
Smith, Ernest H., Woodward, Okla. Producer gas purifying apparatus. 2,239,181; Apr. 22.
Smith, John F., Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Apparatus for applying liquids. 2,239,450; Apr. 22.
Smith, Roland O., Kansas City, Mo. Piston ring. 2,239,376; Apr. 22.
Smith, Sidney B., and R. J. Kemp, Chelmsford, England, assignors to Radio Corporation of America. Direction finder monitor. 2,238,951; Apr. 22.
Smith, Sydney F. (See James, R. G., and Smith.)
Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont. (See Monchamps, Albert, assignor.)
Societe Anonyme: Societe Francaise de Metrographie. (See Levy, Marcel A. E., assignor.)
Societe Genevoise d'Instruments de Physique. (See Turrettini, Fernand, assignor.)
Socin, Francis C., St. Charles, Ill., assignor, by mesne assignments, to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Upright piano. 2,239,204; Apr. 22.
Solodar, David, Ephrata, Pa. Bowing instruction and practice device. 2,239,579; Apr. 22.
Sound Scriber Corporation, The. (See Kleber, J. O., and Thompson, assignors.)
Sourber, Earl J., Pottsville, assignor to Klein Stove Company, Philadelphia, Pa. Automatic stoker gas eliminator. 2,239,061; Apr. 22.
South Texas Oil Company. (See Schwartz, A. K., and Walker, assignors.)
Spang, Joseph P., Quincy, assignor to Cube Steak Machine Company, Inc., Boston, Mass. Meat-tendering machine. 2,239,430; Apr. 22.
Sparhawk, Correl O., Warwick, R. I., assignor to United Electric Railways Company. Trolley wire support. 2,239,656; Apr. 22.
Spear, Howard G., North Hollywood, assignor, by mesne assignments, to W. E. Beatty, Los Angeles, Calif. Electric arc apparatus. 2,238,918; Apr. 22.
Spear, Howard G., North Hollywood, assignor to W. E. Beatty, Los Angeles, Calif. Arc apparatus. 2,239,661; Apr. 22.
Spencer, John A., Newtonville, assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass. Thermostatic control. 2,239,540; Apr. 22.
Spencer, John A., Newtonville, assignor to Metals & Controls Corporation, Attleboro, Mass. Temperature responsive apparatus. 2,239,541; Apr. 22.
Sperr, Ernest O. (See Osborn, W. H., Tuwiner, and Sperr.)
Sperti, George, assignor to The Institutum Divi Thomae Foundation, Cincinnati, Ohio. Proliferation stimulants and making same. 2,239,345; Apr. 22.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,238,919; Apr. 22.
Square D Company. (See Bierenfeld, J., and Maechtlen, assignors.)
Square D Company. (See Jackson, John G., assignor.)
Square D Company. (See Kingdon, Ralph H., assignor.)
Square D Company. (See Roby, Frank H., assignor.)
Square D Company. (See Zeller, Joseph J., assignor.)
Srajer, Alexander L., Oak Park, Ill. Sandal. 2,239,471; Apr. 22.
Stacey, Alfred E., Jr., Essex Fells, N. J., assignor to Buensod-Stacey Air Conditioning, Incorporated, New York, N. Y. Nonfreezing heater. 2,238,952; Apr. 22.

Stadlin, Myer N., Philadelphia, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works. Control valve mechanism. 2,239,657; Apr. 22.
Standard Oil Development Company. (See Bartlett, J. H., and Fincke, assignors.)
Standard Oil Development Company. (See Cannon, G. E., and Williams, assignors.)
Standard Oil Development Company. (See Frolich, P. K., and Miller, assignors.)
Standard Oil Development Company. (See Laurie, Frank C., assignor.)
Standard Oil Development Company. (See Mikeska, Louis A., assignor.)
Standard Oil Development Company. (See Mikeska, L. A., and Lieber, assignors.)
Standard Railway Equipment Manufacturing Company. (See Finger, Paul E., assignor.)
Standard Railway Equipment Manufacturing Company. (See West, Victor E., assignor.)
Standard Steel Works. (See Gredell, Otto N., assignor.)
Stanford, William T., assignor to Vac-Control Manufacturing Company, Oklahoma City, Okla. Paper winding regulator. 2,239,472; Apr. 22.
Stanolind Oil and Gas Company. (See Cloud, Raymond T., assignor.)
Stanzel, Victor, Schulenburg, Tex. Amusement ride device. 2,239,542; Apr. 22.
Statz, John, Worcester, Mass. Method and means for removing surface imperfections from rods and wire. 2,239,580; Apr. 22.
Stearns, Jason C., Worcester, Mass. Lamp socket and holder. 2,239,451; Apr. 22.
Stebnitz, Virgil C. (See North, G. C., Stebnitz, and Alton.)
Steele, Harry A., assignor to Protectall Motor Signal, Inc., Syracuse, N. Y. Direction indicator control. 2,239,205; Apr. 22.
Stein, A., & Company. (See Bullinger, Conrad, assignor.)
Steinmetz, Herman W., Rochester, N. Y. Liquid applicator. 2,238,953; Apr. 22.
Stell, Herbert L., Cleveland, Ohio. Supporting device. 2,239,304; Apr. 22.
Stenger, August M., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Check valve. 2,239,405; Apr. 22.
Steward, Douglas P. (See Burton, C., and Steward.)
Stewart, Carlton D., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,238,954; Apr. 22.
Stewart, Robert J., and F. S. Bell, asssignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling machine. 2,239,120; Apr. 22.
Stokes, Charles L., Santa Monica, Calif. Power operated vehicle. 2,239,122; Apr. 22.
Stone, R. H. (See Peters, M. F., and Stone.)
Stoneking, Jay B., Livermore, Calif., assignor to The Ensign-Bickford Company, Simsbury, Conn. Blasting with safety fuse. 2,239,123; Apr. 22.
Stover, Clyde N., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Knitting machine. 2,239,406; Apr. 22.
Straeten, Charles L., assignor to Industrial Patents Corporation, Chicago, Ill. Slicing machine conveyer. 2,239,665; Apr. 22.
Strassberger, Lothar, Berlin-Wilmersdorf, Germany, assignor, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Pregnendiones and producing the same. 2,238,955; Apr. 22.
Strattner, Frederick. (See Wagner, W. C., and Strattner.)
Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Excitation circuit for dynamo-electric machines. 2,239,432; Apr. 22.
Straub, Karl, and A. Ellwanger, assignors to Robert Bosch Gesellschaft mit Beschränkter Haftung, Stuttgart, Germany. Interrupter for ignition devices. 2,239,124; Apr. 22.
Strong, Hiram W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Mantle. 2,239,346; Apr. 22.
Strother, Corneille O., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Vinyl resin emulsion. 2,238,956; Apr. 22.
Stroup, Philip T., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of molten aluminum and its alloys. 2,239,277; Apr. 22.
Strübig, Heinrich, Teltow, near Berlin, assignor to the firm of Fernsch Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Electron discharge tube. 2,239,022; Apr. 22.
Stuart, Homer B. (See Hufferd, G. H., and Stuart.)
Studley, Victor C., Newton, assignor to Waltham Watch Company, Waltham, Mass. Counter resetting device. 2,238,920; Apr. 22.
Summers, J. Mills, Englewood, N. J. Fastener. 2,239,125; Apr. 22.
Summers, John R., Tiffin, Ohio. Piston stabilizer. 2,239,257; Apr. 22.
Sundholm, Edwin P., Albert City, Iowa. Fluid-dispensing device. 2,239,581; Apr. 22.
Sundstrand, Oscar J., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Power-driven writing machine. 2,239,023; Apr. 22.
Supplee, George C. (See Flanigan, G. E., and Supplee.)
Svendsen, Einar. (See Lindhard, P. L., and Svendsen.)
Swann, Edward R., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,239,666; Apr. 22.
Swenarton, Waltstill H., Montclair, N. J. Dampproofing of masonry structures and a liquid coating composition therefor. 2,239,126; Apr. 22.
Swenson, George E., Hastings-on-Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill. Wall structure. 2,239,127; Apr. 22.
Sykes, George, Ossining, assignor, by mesne assignments, to American Flange & Manufacturing Co., Inc., New York, N. Y. Portable insulated container. 2,239,128; Apr. 22.
Symington-Gould Corporation. (See Barrows, Donald S., assignor.)
Szafranski, Frank L., et al. (See Barton, Hiram J. and R. H., assignors.)
Szekely Company. (See Szekely, Otto E., assignor.)
Szekely, Otto E., assignor to Szekely Company, Inc., Philadelphia, Pa. Transmission system. 2,239,129; Apr. 22.
Tacconi, Guido, Firenze, Italy. Carburetor. 2,239,305; Apr. 22.
Tallmadge, Everett S., Robbinsdale, assignor to E. W. Schlappritzi, Minneapolis, Minn. Spring structure. 2,239,062; Apr. 22.
Tallman, Oscar F., assignor to James R. Kearney Corporation, St. Louis, Mo. Wire connector. 2,239,258; Apr. 22.
Talon, Inc. (See Bailey, Perkins H., assignor.)
Talon, Inc. (See Corner, George H. C., assignor.)
Tar & Petroleum Process Company. (See Curran, Maurice D., assignor.)
Taylor, Charles S., Chewelah, Wash. Cow hobble. 2,239,474; Apr. 22.
Taylor, Edward S., Cambridge, Mass., and R. Chilton, Ridgewood, N. J., assignors to Wright Aeronautical Corporation. Barrel engine. 2,239,063; Apr. 22.
Telefonaktiebolaget L. M. Ericsson. (See Lindström, Helge E., assignor.)
Teller, G. & J. (See Teller, J., and Schulz, assignors.)
Teller, Jacob, Chicago, Ill., and A. P. Schulz, Michigan City, Ind., assignors, by mesne assignments, to G. & J. Teller, Chicago, Ill. Gas or electric cooking apparatus. 2,239,347; Apr. 22.
Tendrich, Jacob and M., New York, N. Y. Shower curtain. 2,239,630; Apr. 22.
Tendrich, Jacob and M., New York, N. Y. Overlapping curtain device. 2,239,631; Apr. 22.
Tendrich, Max. (See Tendrich, Jacob and M.)
Tenn, Harold A., Honolulu, Hawaii. Machine synchronizer. 2,239,632; Apr. 22.
Texas Company, The. (See Garrison, Allen D., assignor.)
Texas Company, The. (See Kuhn, Wayne E., assignor.)
Thermoid Company. (See Schell, Carl A., assignor.)
Thomas, James A., Berkeley, assignor to Esotoo Fumigation Co. Ltd., San Francisco, Calif. Metering device for compressed SO_2. 2,239,278; Apr. 22.
Thompson, Charles S., Elmhurst, and P. B. Clark, assignors to Union Special Machine Company, Chicago, Ill. Power transmitter. 2,239,633; Apr. 22.
Thompson, F. F., et al. (See Class, Neil E., assignor.)
Thompson, Lincoln. (See Kleber, J. O., and Thompson.)
Thompson Products Incorporated. (See Colwell, Archie T., assignor.)
Thompson Products, Incorporated. (See Hufferd, G. H., and Stuart, assignors.)
Thompson, Rea J. (See Hadel, F. A., and Thompson.)
Thoresen, Edwin H., assignor to William Thoresen Company, Chicago, Ill. Handle lug for burial containers. 2,239,174; Apr. 22.
Thoresen, William, Company. (See Thoresen, Edwin H., assignor.)
Thunstrom, Nils A., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Underframe construction. 2,239,634; Apr. 22.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Soap stock purification. 2,239,131; Apr. 22.
Tietig, Chester, Covington, Ky. Plastic shoe. 2,239,206; Apr. 22.
Tornberg, Isidor. (See Roesen, O. C., and Tornberg.)
Torringa, Dr. Henri F. (See Liem, See T., assignor.)
Tower, George A., Richmond, Va. Water motor. 2,239,064; Apr. 22.
Tratsch, Walter A. (See Patzer, W., and Tratsch.)
Travers, William J., Jr. (See Robinson, S. R., and Travers.)
Tremolada, Guglielmo R., Los Angeles, Calif. Pneumatic razor. 2,239,279; Apr. 22.
Trexler, Richard R., Evanston, Ill. Liquid dispensing apparatus. 2,239,207; Apr. 22.
Trimberger, Anton, and M. Frazier, Sheboygan, Wis. Combination ignition switch and lock. 2,239,130; Apr. 22.
Triplex Safety Glass Company Limited. (See Waine, A. C., and Din, assignors.)

Truscon Steel Company. (See Morgan, David H., assignor.)
Tullis, D. & J., Limited. (See Wilson, Robert, assignor.)
Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Machine tool. 2,239,259; Apr. 22.
Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Indexing device. 2,239,260; Apr. 22.
Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Drilling, milling, or like machine tool. 2,239,261; Apr. 22.
Tursky, Charles M. (See Cohen, H. C. and A. I., and Tursky.)
Tuteflex Metal Hose Co. (See Peters, M. F., and Stone, assignors.)
Tuwiner, Sidney B. (See Osborn, W. H., and Tuwiner.)
Tuwiner, Sidney B. (See Osborn, W. H., Tuwiner, and Sperr.)
Twin Coach Company. (See Fageol, William B., assignor.)
Twentieth Century Fox Film Corporation. (See Clark, D. B., and Laube, assignors.)
Uecker, Otto E., assignor to A. O. Smith Corporation, Milwaukee, Wis. Vitreous enamel tank connection and method of construction. 2,239,509; Apr. 22.
Uline, Migiel J., Washington, D. C., assignor to The RFC Mortgage Company, Richmond, Va. Apparatus for subdividing blocks of ice. 2,239,473; Apr. 22.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Carpenter, John L., assignor.)
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)
Union Asbestos & Rubber Company. (See Astley, William F., assignor.)
Union Asbestos & Rubber Company. (See Lundvall, John S., assignor.)
Union Asbestos & Rubber Company. (See Mosier, C., and Mohun, Jr., assignor.)
Union Asbestos & Rubber Company. (See O'Connor, Arthur F., assignor.)
Union Special Machine Company. (See Thompson, C. S., and Clark, assignors.)
Unit Venetian Blind Supply Co. (See Nisenson, Jules, assignor.)
United Aircraft Corporation. (See Martin, E., and Day, assignors.)
United Aircraft Corporation. (See Ryder, Earle A., assignor.)
United Electric Railways Company. (See Sparhawk, Correl O., assignor.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Johnson, Arthur S., assignor.)
United Shoe Machinery Corporation. (See Wheaton, William A., assignor.)
United States Pipe and Foundry Company. (See Langenohl, M., and Projahn, assignors.)
United States Rubber Company. (See Gibbons, Willis A., assignor.)
United States Rubber Company. (See O'Dell, J. E., and Mason, assignors.)
United States Rubber Company. (See Work, O. C., and Overman, assignors.)
Unser, Lawrence R., Springville, Calif. Igniter for stoves. 2,239,175; Apr. 22.
Urbain, Leon F., Chicago, Ill. Adjustable shim. 2,239,433; Apr. 22.
Vac-Control Manufacturing Company. (See Stanford, William T., assignor.)
Vail, James G., Media, and C. L. Baker, Penn Wynne, assignors to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of adhesives for the machine fabrication of laminated paper products. 2,239,358; Apr. 22.
Vance, Charles A. (See Nichols, Harry T., assignor.)
Vance, Edward J., De Witt, Iowa. Posthole digger. 2,239,024; Apr. 22.
Van Raalte Company. (See Crawford, Joseph W., assignor.)
Vears, T. & T., Limited. (See Crosland, Edward M., assignor.)
Vickers, Charles F. (See Halford, F. B., and Vickers.)
Vigneault, Edmond, assignor to "Franco-American Patents Limited," Three Rivers, Quebec, Canada. Fuel burner. 2,239,025; Apr. 22.
Violet, Marcel A., Nanterre, France. Four stroke explosion engine. 2,239,262; Apr. 22.
Vigren, Sten D., assignor to Ackumulator-Fabriksaktiebolaget Tudor, Stockholm, Sweden. System for charging a storage battery. 2,239,510; Apr. 22.
Vogt, Henry, Machine Co., Inc. (See Kubaugh, Benjamin F., assignor.)
Vulcan Soot Blower Corporation. (See Arey, F. C., and Hibner, assignors.)
Wagner, Henry J., Jackson, Mo. Cable connector. 2,239,026; Apr. 22.
Wagner, Herbert M., Kearny, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron beam tube. 2,239,407; Apr. 22.
Wagner, Walter C., Ardmore, and F. Strattner, Upper Darby, Pa. Precision calibrating device with visual indicator. 2,239,306; Apr. 22.
Wahl, John C., assignor to Lion Manufacturing Corporation, Chicago, Ill. Coin or check dispenser. 2,239,435; Apr. 22.
Wahl, John C., assignor to Lion Manufacturing Corporation, Chicago, Ill. Coin or check dispenser. 2,239,434; Apr. 22.
Wahlberg, Nils A., Pittsburgh, and J. L. Crouse, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Overhead line construction for trolley bus systems. 2,239,582; Apr. 22.
Waine, Allan C., and F. Din, King's Norton, Birmingham, assignors to The Triplex Safety Glass Company Limited, London, England. Examination of transparent solid material. 2,239,263; Apr. 22.
Wainwright, Herbert, Baldwin, assignor to National Seal Corporation, Brooklyn, N. Y. Pouring nozzle. 2,239,065; Apr. 22.
Waltzman, Hyman, Yonkers, N. Y., assignor to Purity Bakeries Corporation, Chicago, Ill. Baked bread-loaf dispenser. 2,239,176; Apr. 22.
Waldron, John, Corporation. (See Woodruff, M. L., Case, Rickhaut, and Kupka.)
Waldsmith, Cecil A., assignor to The Ingersoll Milling Company, Rockford, Ill. Method of and apparatus for operating on workpieces. 2,238,921; Apr. 22.
Walker, Fred J. (See Schwartz, A. K., and Walker.)
Wallace, Archibald L., Northport, N. Y., assignor, by mesne assignments, of one-half to A. L. Wallace, and one-half to Cherryfield Corporation. Tuber for plastic materials. 2,239,408; Apr. 22.
Walsh, Philip J., San Francisco, Calif. Electric wave system. 2,238,986; Apr. 22.
Waltham Watch Company. (See Studley, Victor C., assignor.)
Walton, William R., Jr., assignor to Dunlop Tire and Rubber Goods Co. Limited, Toronto, Ontario, Canada. Production of endless bands. 2,239,635; Apr. 22.
Ware, Conrad, Danville, Ind. Milk strainer. 2,239,132; Apr. 22.
Ware, John R. (See Butterfield, Vernon J., assignor.)
Warner Brothers Pictures. (See McClay, Royal C., assignor.)
Warner, Harry H., Minneapolis, Minn. Scraper. 2,238,957; Apr. 22.
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Waters, Harry F., New York, N. Y. Forming closures. 2,239,133; Apr. 22.
Watson, Brud A., Harrington, Wash. Tractor seat support. 2,239,208; Apr. 22.
Watson, Earnest L., Milan, Mich. Heater. 2,239,066; Apr. 22.
Weber, Clifford P., assignor to Dresser Manufacturing Company, Bradford, Pa. Repair clamp for bell and spigot joints. 2,239,307; Apr. 22.
Weber, Eugen. (See Rosenfelder, O., and Weber.)
Wedge, Fred D. (See St. Louis, C. V., and Wedge.)
Wehnelt, Ellhart. (See Burkhardt, W., Ramert, Reinecke, and Wehnelt.)
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Bag grab. 2,239,135; Apr. 22.
Welck, Fred E., Bethesda, Md. Balancing aircraft control surfaces. 2,239,475; Apr. 22.
Weinmayr, Viktor. (See Linch, A. L., and Weinmayr.)
Weiss, Ernst, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Mercerizing apparatus. 2,239,636; Apr. 22.
Weiss, Joseph. (See Sladkus, Fred, assignor.)
Well Surveys, Incorporated. (See Neufeld, Jacob, assignor.)
Weller, Ernest E. (See Felch, Carmen S., assignor.)
Wellman, S. K., Company, The. (See Wellman, Samuel K., assignor.)
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Sintered friction article and making same. 2,239,134; Apr. 22.
Wells, Albert S., assignor to Wells-Gardner Company, Chicago, Ill. Tuning mechanism for radio receiving sets. 2,239,067; Apr. 22.
Wells-Gardner Company. (See Wells, Albert S., assignor.)
Wells, Weaver R., Trinidad, Colo. Refrigerant testing device. 2,238,958; Apr. 22.
Welwood, John C., Corporation. (See Funke, Edward, assignor.)
Wemp, Ernest E., Detroit, Mich. Clutch. 2,239,161; Apr. 22.
Wemp, Ernest E., Detroit, Mich. Clutch. 2,239,162; Apr. 22.
Wemp, Ernest E., Detroit, Mich. Centrifugal clutch and vacuum converter. 2,239,163; Apr. 22.
Werder, John F., Lakewood, Ohio. Automatic transmission. 2,239,182; Apr. 22.
Werner, Emil E., Lodi, assignor of one-half to L. E. W. Felts, Glendale, Calif. Nail stripper. 2,239,209; Apr. 22.

West, George L. (See Aull, W. J., Jr., and West.)
West, Victor E., Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company. Hatch plug construction. 2,239,511; Apr. 22.
West, Victor E., Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company. Hatch plug. 2,239,512; Apr. 22.
West, Victor E., Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company. Hatch plug. 2,239,513; Apr. 22.
West Virginia Pulp and Paper Company. (See Hill, E. H., and Hooks, assignors.)
Western Electric Company, Inc. (See Brillhart, Samuel E., assignor.)
Western Electric Company. (See Johnstone, H. G., and Engst, assignors.)
Western Electric Company. (See Pitt, S., and Reichelt, assignors.)
Western Electric Company. (See Stover, Clyde N., assignor.)
Western Machinery Company. (See Fitzgerald, L. A., and Lembeck, assignors.)
Westinghouse Air Brake Company, The. (See McCune, J. C., and Newell, assignors.)
Westinghouse Air Brake Company, The. (See Stewart, Carlton D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bierend, Alfred, assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, John L., assignor.)
Westinghouse Electric & Manufacturing Company. (See De Croce, G., and Derr, assignors.)
Westinghouse Electric & Manufacturing Company. (See Dutling, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Gottlieb, Manious, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wahlberg, N. A., and Crouse, assignors.)
Weston Electrical Instrument Corporation. (See Gilbert, Roswell W., assignor.)
Wettstein, Albert. (See Miescher, K., and Wettstein.)
Wheaton, William A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Prewelt straightening and cementing machine. 2,238,922; Apr. 22.
Wheeler, C. H., Manufacturing Co. (See Bennett, Clement K., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Band-pass filter network. 2,239,136; Apr. 22.
Whelen, Myron S., Riverside Gardens, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. The preparation of naphthazarin intermediate. 2,238,959; Apr. 22.
White, George C., Highland Park, N. J. Valve gear. 2,239,137; Apr. 22.
White, W. F. (See Anderson, Harley E., assignor.)
Whitin Machine Works. (See Schlums, Otto W., assignor.)
Whitlatch, Jacob G., Hammond, Ind., and O. R. Williamson, Bluford, Ill. Mud drum. 2,239,138; Apr. 22.
Wigelsworth, Arthur E., Los Angeles, Calif. Apparatus for determination of human dark adaptation. 2,239,164; Apr. 22.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Producing socketed articles. 2,238,960; Apr. 22.
Willard, Harvey D., assignor of one-half to H. Jacyn, Chicago, Ill. Wall and ceiling washing machine. 2,239,183; Apr. 22.
Williams, Milton. (See Cannon, G. E., and Williams.)
Williams, Robley C., Ann Arbor, Mich., and J. E. Ruedy, Haddon Heights, N. J. Method and apparatus for producing semi-transparent coatings. 2,239,452; Apr. 22.
Williamson, Oscar R. (See Whitlatch, J. G., and Williamson.)
Wilson, Emmett, Los Angeles, Calif. Shaving device. 2,239,184; Apr. 22.
Wilson, Fred R. (See Lewis, H. A., and Wilson.)
Wilson-Jones Company. (See St. Louis, C. V., and Wedge, assignors.)
Wilson, Robert, assignor to D. & J. Tullis Limited, Clydebank, Scotland. Laundry press. 2,239,476; Apr. 22.
Wingfoot Corporation. (See Mills, Burton L., assignor.)
Winthrop Chemical Company. (See Kuhn, R., and Morris, assignors.)
Wirtanen, Axel M. (See Wirtanen, John A. and A. M.)
Wirtanen, Elsie. (See Wirtanen, John A. and A. M.)
Wirtanen, John A., deceased, and A. M. Wirtanen, Eveleth, Minn.; said J. A. Wirtanen assignor by order of court to E. Wirtanen. Hydraulic brake safety unit. 2,239,348; Apr. 22.
Wisner, Charles E., et al. (See Barton, Hiram J. and R. H., assignors.)
Witherow, William P. (See Henderson, Albert, assignor.)
Withey, John H., assignor to T. G. Rhodes, Portland, Oreg. String receptacle and dispenser. 2,239,185; Apr. 22.
Wolf, Robert A. (See Woods, R. J., and Wolf.)
Wood, Edward L., assignor to Gar Wood Industries, Inc., Detroit, Mich. Oil burner and motor unit. 2,239,068; Apr. 22.
Wood, Gar, Industries, Inc. (See Parrett, Edward R., assignor.)
Wood, Gar, Industries, Inc. (See Wood, Edward L., assignor.)
Wood Newspaper Machinery Corporation. (See Roesen, O. C., and Tornberg, assignors.)
Woodruff, Morgan L., Wilmette, Ill., L. B. Case, C. A. Dickhaut, and J. Kupka, assignors to John Waldron Corporation, New Brunswick, N. J. Brush supporting and vibrating mechanism for web-coating machines. 2,239,409; Apr. 22.
Woods, Robert J., Grand Island, and R. A. Wolf, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Operating means for airplane control surfaces. 2,239,210; Apr. 22.
Worden, Voyne E., and R. V. Carroll, Seattle, Wash. Ultra high frequency generator. 2,239,069; Apr. 22.
Work, Olin C., Nutley, N. J., and M. C. Overman, assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Nonskid tire. 2,239,070; Apr. 22.
Wormser, Paul. (See Carroll, E. W., Lachman, and Wormser.)
Wottring, Charles L., Houston, Tex. Stalk cutter. 2,239,027; Apr. 22.
Woznack, Michael J., Escondido, Calif. Machine for picking up rocks from a highway. 2,239,280; Apr. 22.
Wright Aeronautical Corporation. (See Chilton, R., Lundquist, and Hill, assignors.)
Wright Aeronautical Corporation. (See Hill, Henry C., assignor.)
Wright Aeronautical Corporation. (See Hunter, Frank B., assignor.)
Wright Aeronautical Corporation. (See Moore, Vincent T., assignor.)
Wright Aeronautical Corporation. (See Taylor, E. S., and Chilton, assignors.)
Wuertz, Alexander J., Villa Monterey, Del., and W. Dettwyler, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuff of the anthrapyridone series. 2,238,961; Apr. 22.
Wurlitzer, Rudolph, Company, The. (See Socin, Francis C., assignor.)
Wylie, William D., Winston-Salem, N. C. Ventilated shoe. 2,239,211; Apr. 22.
Yasuda, Kenichi, Nakaku, Yokohama, Japan. Braiding machine. 2,239,477; Apr. 22.
Young, Frank W., Upper Montclair, N. J. Filter. 2,238,962; Apr. 22.
Zane, Howard Y. F., assignor to Yew Char, Honolulu, Hawaii. Clip. 2,239,584; Apr. 22.
Zarth, William A., Jamaica, assignor to Dictograph Products Company, Inc., New York, N. Y. Microphone amplifier. 2,239,308; Apr. 22.
Zeiss, Carl. (See Richter, Robert, assignor.)
Zeiss, Carl. (See Schmidt, O., and Schrumpf, assignors.)
Zeller, Joseph J., assignor to Square D Company, Detroit, Mich. Electric switch. 2,239,071; Apr. 22.
Zesewitz, John H., Philadelphia, Pa. Spindle seal for fluid pressure motors. 2,239,637; Apr. 22.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Can opener. 2,239,309; Apr. 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acids exuding from silicious cements, Neutralization of. J. H. Schlesinger. Re. 21,779; Apr. 22.
Automobile body, Convertible. J. Falcon. Re. 21,775; Apr. 22.
Carbon black, Production of. H. A. Toulmin, Jr. Re. 21,781; Apr. 22.
Carburetor. M. E. Chandler and M. J. Kittler. Re. 21,774; Apr. 22.
Combined vehicle speed and automotive engine governor. A. C. Hoof. Re. 21,776; Apr. 22.
Fuse construction, Repeating. W. O. Schultz and A. G. Steinmayer. Re. 21,780; Apr. 22.
Ignition, Internal combustion engine. M. F. Peters and R. H. Stone. Re. 21,782; Apr. 22.
Switch, Pressure and temperature control. J. L. Kimball. Re. 21,777; Apr. 22.
Transmission system. L. M. Potts. Re. 21,778; Apr. 22.
Upholstery construction. A. M. Bank. Re. 21,773; Apr. 22

LIST OF PLANT INVENTIONS

Rose, Hybrid tea. A. E. Gude. 462; Apr. 22.

LIST OF DESIGN INVENTIONS

Adenotome. M. R. Grieshaber. 126,718; Apr. 22.
Air conditioner. W. A. Norris. 126,707; Apr. 22.
Bag, Traveling. C. Doppelt. 126,715; Apr. 22.
Belt or similar article. H. Cohen. 126,823; Apr. 22.
Bottle. J. D. Vicent. 126,725; Apr. 22.
Bottle and holders therefor, Combined perfume. J. E. Vivaudou. 126,807; Apr. 22.
Bottle, Milk. A. Bramhall. 126,711; Apr. 22.
Bracelet or similar article. W. W. Hobé. 126,783–5; Apr. 22.
Brooch. F. G. Bagshaw. 126,739; Apr. 22.
Brooch or similar article. A. Philippe. 126,790; Apr. 22.
Building, Commercial. W. R. Pierson. 126,708; Apr. 22.
Bumper for ball rolling game device. F. G. Nickalaus. 126,706; Apr. 22.
Cabinet, Refrigerator. R. B. Janes. 126,701; Apr. 22.
Canopy for baby carriage. M. D. Welsh. 126,752; Apr. 22.
Cap, Dispenser. H. C. Jensen. 126,745; Apr. 22.
Case, Display. W. S. Jones. 126,702; Apr. 22.
Chair. W. H. Bond, Jr. 126,710; Apr. 22.
Clip, Pin. A. Philippe. 126,827; Apr. 22.
Clip, Pin. A. Philippe. 126,976–8; Apr. 22.
Clock. H. A. Rhodes. 126,749; Apr. 22.
Coat. N. A. Rauch. 126,767; Apr. 22.
Comb. L. Seidner. 126,723–4; Apr. 22.
Dispenser, Tape. J. O. Reinecke. 126,732–3; Apr. 22.
Display container and chewing gum, candy or the like, Combined. J. Lane. 126,826; Apr. 22.
Doll. C. A. Eckert. 126,729; Apr. 22.
Doll. V. Keney. 126,703; Apr. 22.
Doll, Sachet tassel. B. Levitt and L. Aronson. 126,791; Apr. 22.
Dress. E. Breer. 126,775; Apr. 22.
Dress. C. Charles. 126,776; Apr. 22.
Dress. A. Cole. 126,763–4; Apr. 22.
Dress. B. Hurwitz. 126,812; Apr. 22.
Dress. H. Langer. 126,780; Apr. 22.
Dress. H. May. 126,814–5; Apr. 22.
Dress. O. C. Nadel. 126,794; Apr. 22.
Dress. H. Posner. 126,766; Apr. 22.
Dress. C. Potter. 126,817–8; Apr. 22.
Dress. N. Shapiro. 126,819–20; Apr. 22.
Dress. N. Shapiro. 126,828; Apr. 22.
Dress. H. Siegenfeld. 126,802; Apr. 22.
Dress. F. T. Stix. 126,803–6; Apr. 22.
Dress. I. Szerlip. 126,821; Apr. 22.
Dress. J. Walker. 126,809; Apr. 22.
Dress ensemble. G. Andrée. 126,770–3; Apr. 22.
Dress or the like, Uniform. L. M. Cooper. 126,777–9; Apr. 22.
Dress ensemble. A. Maldman. 126,792; Apr. 22.
Dress ensemble. J. Marchesa. 126,765; Apr. 22.
Dress ensemble. O. C. Nadel. 126,795; Apr. 22.
Dress ensemble. S. Reich. 126,800; Apr. 22.
Dress ensemble. J. Walker. 126,808; Apr. 22.
Electrode for a therapeutic machine. C. K. Gieringer. 126,824; Apr. 22.
Fabric, Textile. I. Cummings. 126,712–13; Apr. 22.
Fabric, Textile. R. Faller. 126,716; Apr. 22.
Fabric, Textile. R. Faller. 126,754–60; Apr. 22.
Fabric, Textile. J. L. Koehne. 126,719; Apr. 22.
Fabric, Textile. C. H. Kohnken. 126,704; Apr. 22.
Fabric, Textile. E. H. Moss. 126,761; Apr. 22.
Fabric, Textile. A. Zimmerman. 126,762; Apr. 22.
Filter unit. F. Kraissl, Jr. 126,720; Apr. 22.
Filter unit. F. Kraissl, Jr. 126,731; Apr. 22.
Flatiron. A. Mescher. 126,747; Apr. 22.
Game board. I. Edlemann. 126,699; Apr. 22.
Glove. D. S. Mills. 126,793; Apr. 22.
Goggles or similar article, Pair of. J. Brunetti. 126,741; Apr. 22.
Hanger, Clothes. G. J. Rhodes. 126,801; Apr. 22.
Hanger, Garment. C. G. Xiques. 126,753; Apr. 22.
Holder and perfume container, Combined. R. B. Karoff. 126,813; Apr. 22.
Holder, Drape. R. A. Freedman. 126,700; Apr. 22.
Hood or similar article. M. H. Blakeman. 126,774; Apr. 22.
Hook, Combined coat and hat. M. Warren. 126,709; Apr. 22.
Instruction device, Roadway. W. B. Detrick. 126,698; Apr. 22.
Insulator, Line. L. J. Schilling. 126,722; Apr. 22.
Insulator, Strain. L. J. Schilling. 126,721; Apr. 22.
Lamp, table, and radio receiving set, Combined. D. J. Crowley. 126,780–1; Apr. 22.
Lighting fixture. T. W. Rolph. 126,750; Apr. 22.
Marker, Skirt. M. Ingwer. 126,730; Apr. 22.
Mitten. G. Landberg. 126,788; Apr. 22.
Perfume bottle and holder therefor, Combined. J. E. Vivaudou. 126,736–7; Apr. 22.
Phonograph tone arm head. E. I. Harman. 126,810; Apr. 22.
Pillow. P. E. L. Kolisch. 126,825; Apr. 22.
Pin or similar article, Brooch. W. W. Hobé. 126,786–7; Apr. 22.
Pin or similar article, Brooch. W. W. Hobé. 126,811; Apr. 22.
Pin or similar article, Lapel. L. Ditchik and N. Rubin. 126,782; Apr. 22.
Plate or similar article. C. W. Leigh. 126,790; Apr. 22.
Plenum. R. R. P. Turner. 126,768–9; Apr. 22.
Printer, Projection. T. G. Clement. 126,742; Apr. 22.
Printing machine. H. Silverstein. 126,751; Apr. 22.
Protector, Hosiery. F. L. Coleman. 126,743; Apr. 22.
Range. E. R. Culver, Jr. 126,728; Apr. 22.
Ring. E. A. Cohn. 126,727; Apr. 22.
Sachet ball, perfume bottle and holders therefor, Combined. J. E. Vivaudou. 126,822; Apr. 22.
Sachet doll and container therefor, Combined. J. E. Vivaudou. 126,735; Apr. 22.
Sharpener, Pencil. J. Ross. 126,734; Apr. 22.
Shield, Eye. R. and C. H. Webber. 126,738; Apr. 22.
Shirt or similar article. L. B. Patterson. 126,816; Apr. 22.
Shoe sole. W. E. Kavenagh. 126,744; Apr. 22.
Signal for automobiles, Traffic. F. O. Bence. 126,740; Apr. 22.
Spectacles, Pair of. J. C. Reiss and N. A. Snedeker. 126,748; Apr. 22.
Store front. G. W. Doerr. 126,714; Apr. 22.
Suit. B. Cashin. 126,726; Apr. 22.
Thermometer, Oven. H. L. MacCowan. 126,705; Apr. 22.
Trimming, or similar article, Embroidered lace. R. Koenig. 126,746; Apr. 22.
Twine cutter and support, Combined. S. Futterman. 126,717; Apr. 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator for liquids under pressure. A. H. H. Christensen. 2,239,481; Apr. 22.
Acids, Preparation of iminodiacetic and aminotriacetic. J. C. Moore. 2,239,617; Apr. 22.
Adhesives for the machine fabrication of laminated paper products, Manufacture of. J. G. Vail and C. L. Baker. 2,239,358; Apr. 22.
Adjustable boring tool. J. H. Filburn. 2,239,417; Apr. 22.
Aerial, Extensible. C. W. Martin. 2,239,614; Apr. 22.
Agitating and dispensing machine. E. F. Nye. 2,239,337; Apr. 22.
Agitator, Air lift. L. A. Fitzgerald and L. Lembeck. 2,239,194; Apr. 22.
Air conditioning method and apparatus. J. C. Chambers. 2,239,190; Apr. 22.
Aircraft control surfaces, Balancing. F. E. Weick. 2,239,475; Apr. 22.
Air-distributing apparatus for ventilating systems. E. A. Sipp and R. L. Leadbetter. 2,239,508; Apr. 22.
Aldehyde reaction products with nitrogen-containing methylene compounds. G. F. D'Alelio. 2,239,441; Apr. 22.
Aldol condensates, Production of monoaldehyde-ketone. H. W. Huyser. 2,239,232; Apr. 22.
Alginate compound and dispersing same in milk products. J. K. Martell and J. W. Schaller. 2,238,906; Apr. 22.
Alloy: *See*—
  Copper alloy.
  Hand metal alloy.
Alloy, Copper. F. R. Hensel and E. I. Larsen. 2,239,179; Apr. 22.
Altitude control mechanism for carburetors. E. Dodson. 2,239,553; Apr. 22.
Aluminum and its alloys, Treatment of molten. P. T. Stroup. 2,239,277; Apr. 22.
Ammunition. W. Brun. 2,239,547; Apr. 22.
Amplifier, Electronic. P. T. Farnsworth. 2,239,149; Apr. 22.
Amplifier, Microphone. W. A. Zarth. 2,239,308; Apr. 22.
Amusement device. F. L. Biddle. 2,239,030; Apr. 22.
Amusement device. E. H. Neal. 2,239,506; Apr. 22.
Amusement ride device. V. Stanzel. 2,239,542; Apr. 22.
Animated sign. J. H. Hammond, Jr. 2,239,522; Apr. 22.
Annealing furnace. C. B. Hoak. 2,239,523; Apr. 22.
Antenna means. C. W. Martin. 2,239,613; Apr. 22.
Antifriction bearing, Oil-ring-lubricated. J. L. Brown. 2,239,283; Apr. 22.
Apparatus for air conditioning. W. W. Cummings, Jr. 2,239,594; Apr. 22.
Apparatus for applying liquids. J. F. Smith. 2,239,450; Apr. 22.
Apparatus for cleaning crankshafts. F. C. Arey and D. E. Hibner. 2,239,073; Apr. 22.
Apparatus for determination of human dark adaptation. A. E. Wigelsworth. 2,239,164; Apr. 22.
Apparatus for examining films. A. Boch. 2,239,032; Apr. 22.
Apparatus for feeding cigarettes and other articles of similar shape. J. W. Chalmers and A. A. Foale. 2,239,589; Apr. 22.
Apparatus for making tempered glass. G. Z. Minton and L. V. Black. 2,239,535; Apr. 22.
Apparatus for manicuring nails. M. J. Holmes. 2,239,040; Apr. 22.
Apparatus for mechanically separating mineral mixtures. E. Blerbrauer. 2,239,216; Apr. 22.
Apparatus for opening and orientating spouted containers. R. W. Forrer and F. E. Gilbert. 2,239,556; Apr. 22.
Apparatus for packaging products in a vacuum. P. E. Pearson. 2,239,115; Apr. 22.
Apparatus for producing photographic sound records. F. Biedermann. 2,239,075; Apr. 22.
Apparatus for stenciling. J. B. Murgatroyd and J. G. Gregory. 2,239,619; Apr. 22.
Apparatus for storing reference books. R. E. L. Heymans. 2,239,322; Apr. 22.
Apparatus for subdividing blocks of ice. M. J. Uline. 2,239,473; Apr. 22.
Apparatus for temporarily rendering secondary representations visible on a transparent primary representation. C. Becker. 2,239,187; Apr. 22.
Apparatus for the treatment of cereals, starch, or the like with fluids or by heating. E. G. Huzenlaub and J. H. Rogers. 2,239,608; Apr. 22.
Apparatus for washing tanks. W. Ostling and C. Richard. 2,239,198; Apr. 22.
Apparatus for wet-treating strip materials. J. J. Himsworth. 2,239,607; Apr. 22.
Applying and removing device. J. A. Jensen. 2,239,609; Apr. 22.
Arc apparatus. H. G. Spear. 2,239,661; Apr. 22.
Armor, Blocking. M. J. Gilman. 2,239,223; Apr. 22.
Arms, Manufacturing. J. W. Leighton. 2,239,045; Apr. 22.
Article and making same, Sintered friction. S. K. Wellman. 2,239,134; Apr. 22.
Articles by means of cathode disintegration, Coating of. W. Burkhardt, H. Ramert, R. Reinecke, and E. Wehnelt. 2,239,642; Apr. 22.
Articles, Producing socketed. R. L. Wilcox. 2,238,960; Apr. 22.
Ash remover. J. E. McMillan. 2,239,010; Apr. 22.
Attachment for knitting machine. W. E. Greenlee. 2,239,488; Apr. 22.
Automatic cutoff valve. G. C. Schoenfeld and L. Potter. 2,239,254; Apr. 22.
Awning. L. Miller. 2,239,242; Apr. 22.
Bag grab. W. G. Wehr. 2,239,135; Apr. 22.
Bait, Artificial. J. B. Hadaway. 2,238,900; Apr. 22.
Bandage. A. and S. Baitz. 2,238,878; Apr. 22.
Bands, Production of endless. W. R. Walton, Jr. 2,239,635; Apr. 22.
Barrel engine. E. S. Taylor and R. Chilton. 2,239,063; Apr. 22.
Bars, Treating steel. J. W. Leighton. 2,239,044; Apr. 22.
Base, Detachable. A. A. Lewis. 2,239,156; Apr. 22.
Baseball playing device. J. W. Mathewson. 2,239,446; Apr. 22.
Battery, Electric. A. Rudolf. 2,239,251; Apr. 22.
Battery, System for charging a storage. S. D. Vigren. 2,239,510; Apr. 22.
Bearing: *See*—
  Antifriction bearing.
Bearing retainer, Ball. C. A. Sievert, G. L. Freundt, and L. H. Heinichen. 2,239,629; Apr. 22.
Beater tooth for manure spreaders. B. J. Selhorst. 2,239,448; Apr. 22.
Bed for dogs or the like. C. H. Norton. 2,238,982; Apr. 22.
Binder, Loose-leaf. C. V. St. Louis and F. D. Wedge. 2,239,121; Apr. 22.
Binder structure, Loose-leaf. J. Cooper and G. H. J. Baule. 2,239,081; Apr. 22.
Biscuit cutting and the like machinery. E. M. Crosland. 2,239,083; Apr. 22.
Bit: *See*—
  Rock boring bit.
Blade, Protected. J. Muros. 2,239,536; Apr. 22.
Blancher. F. D. Chapman. 2,238,972; Apr. 22.
Blasting assembly. H. A. Lewis and F. R. Wilson. 2,238,939; Apr. 22.
Blasting with safety fuse. J. B. Stoneking. 2,239,123; Apr. 22.
Blind tilter, Venetian. J. Nisenson. 2,239,621; Apr. 22.
Block: *See*—
  Switch and fuse block.
Blower drive, especially for airplane engines. K. Kollmann. 2,238,889; Apr. 22.
Board: *See*—
  Composite board.
  Game board.
Bolt, Connector. P. J. McCullough and J. Pavelka, Sr. 2,238,911; Apr. 22.
Book, Sample display. H. C. Doner. 2,239,145; Apr. 22.
Bottle filling machine. H. A. Harder. 2,239,385; Apr. 22.
Bottle filling machine. J. Kantor. 2,239,364; Apr. 22.
Bottle, Milk. L. A. Gammill. 2,239,092; Apr. 22.
Bowing instruction and practice device. D. Solodar. 2,239,579; Apr. 22.
Bows or knots, Tying. O. Rosenfelder and E. Weber. 2,239,342; Apr. 22.
Box: *See*—
  Cradle box.
  Folding box.
  Journal box.
  Lunch box.
  Shuttle box.
Bracing means for canopy doors. D. H. Morgan. 2,239,462; Apr. 22.
Bracket and drapery support, Combined window curtain. L. M. Pollina. 2,239,247; Apr. 22.
Bracket for welding machines, Adjustable electrode. J. A. Fotie. 2,239,418; Apr. 22.
Brackets, Supporting. H. C. and A. I. Cohen and C. M. Tursky. 2,238,891; Apr. 22.
Braiding machine. K. Yasuda. 2,239,477; Apr. 22.

Brake: *See*—
Disk brake. Railway brake.
Brake. A. E. Ludwig. 2,239,172; Apr. 22.
Brake actuating mechanism. W. I. Riley. 2,239,117; Apr. 22.
Brake beam. H. E. Anderson. 2,239,186; Apr. 22.
Brake liner. C. A. Schell. 2,239,574; Apr. 22.
Brake mechanism. H. T. Lambert. 2,239,235–6; Apr. 22.
Brake mechanism. J. C. McCune and G. K. Newell. 2,238,943; Apr. 22.
Brake mechanism. C. D. Stewart. 2,238,954; Apr. 22.
Brake safety unit, Hydraulic. J. A. and A. M. Wirtanen. 2,239,348; Apr. 22.
Brake system, Vehicle. R. A. Conner. 2,239,592; Apr. 22.
Brassière, Strapless. M. Schiffer. 2,239,056; Apr. 22.
Bread loaf dispenser, Baked. H. Waltzman. 2,239,176; Apr. 22.
Broaching machine. F. J. Lapointe. 2,239,237; Apr. 22.
Brush adjusting mechanism for carpet sweepers. E. R. Smith. 2,239,276; Apr. 22.
Brush and the like, Dry. D. C. Daniels. 2,238,993; Apr. 22.
Brush, Pan cleaner. E. M. Mathiessen. 2,239,047; Apr. 22.
Brush supporting and vibrating mechanism for web coating machines. M. L. Woodruff, L. B. Case, C. A. Dickhaut, and J. Kupka. 2,239,409; Apr. 22.
Burner: *See*—
Fuel burner.
Burner and motor unit, Oil. E. L. Wood. 2,239,068; Apr. 22.
Burner control apparatus. H. J. Fanger. 2,238,892; Apr. 22.
Bushings and the like, Testing insulating. O. E. Fawcett and F. C. Doble. 2,239,598; Apr. 22.
Button. E. E. Jung. 2,239,004; Apr. 22.
Cabinet: *See*—
Display cabinet. Medicine cabinet.
Cable connector. H. J. Wagner. 2,239,026; Apr. 22.
Calculating device. A. T. Harris. 2,239,229; Apr. 22.
Calculator. R. L. Sifrit. 2,239,344; Apr. 22.
Calendar device for writing implements. H. H. Grooms, and E. C. McCarty. 2,238,999; Apr. 22.
Car: *See*—
Refrigerator car.
Car construction, Refrigerator. J. S. Lundvall. 2,239,109; Apr. 22.
Car construction, Sleeping. J. W. Patton. 2,239,272; Apr. 22.
Carburetor. G. Tacconi. 2,239,305; Apr. 22.
Carpet fastener. R. M. Roberts. 2,238,946; Apr. 22.
Carriage for accounting machines, Paper. W. A. Anderson. 2,239,340; Apr. 22.
Carton, Folding bottle carrying. J. L. Lyons, Jr. 2,239,564; Apr. 22.
Case: *See*—
Typewriter carrying case.
Casing for combined switches and rheostat, Unitary. N. C. Schellenger and W. E. Haselwood. 2,239,374; Apr. 22.
Casing machine. R. D. Pulley. 2,239,199; Apr. 22.
Cathode for electron discharge device. W. Ehrenberg. 2,239,416; Apr. 22.
Cellulose ethers, Bleaching of. J. A. McHard and F. C. Peterson. 2,238,912; Apr. 22.
Cementing tool. S. R. Robinson. 2,239,296; Apr. 22.
Cementing tool. S. R. Robinson and W. J. Travers, Jr. 2,239,295; Apr. 22.
Centering and like support, Extensible. W. de Vigier. 2,239,315; Apr. 22.
Centrifugal clutch. N. B. Newton. 2,239,568; Apr. 22.
Chain: *See*—
Tire chain.
Chart mechanism for recording instruments. W. S. Parsons. 2,238,983; Apr. 22.
Check valve. A. M. Stenger. 2,239,405; Apr. 22.
Cherries, Method and apparatus for orientating, pitting and inspecting. E. W. Carroll. 2,238,970; Apr. 22.
Chute, Coin. W. Patzer and W. A. Tratsch. 2,239,050; Apr. 22.
Cigarette rod forming mechanism. D. W. Molins. 2,239,335; Apr. 22.
Circuit breaker enclosing and operating means. R. H. Kingdon. 2,239,105; Apr. 22.
Circuit breaker for ultra high speed reclosures, Oil. A. Monchamps. 2,239,243; Apr. 22.
Circuit for dynamoelectric machines, Excitation. J. L. Stratton. 2,239,432; Apr. 22.
Circuit interrupter. P. Duffing. 2,239,554; Apr. 22.
Clamp assembly. G. H. Hufford and H. B. Stuart. 2,238,937; Apr. 22.
Clamp for bell and spigot joint, Repair. C. P. Weber. 2,239,307; Apr. 22.
Cleaner: *See*—
Suction cleaner.
Cleaner for motion picture film, Sound track. R. J. Fisher. 2,238,998; Apr. 22.
Cleansing attachment for rotary well drills. L. L. Gage. 2,238,893; Apr. 22.
Cleansing device for dishes and the like. J. J. Mahoney. 2,239,110; Apr. 22.
Clip. M. Rachlin. 2,239,468; Apr. 22.
Clip. H. Y. F. Zane. 2,239,584; Apr. 22.
Clock mechanism. C. R. Banks. 2,239,215; Apr. 22.
Closure. G. W. Robinson. 2,239,249; Apr. 22.
Closure fastening means. F. A. Holby. 2,239,327; Apr. 22.
Closure member, Dispensing. B. Kluth. 2,238,888; Apr. 22.
Closure, Screw type. S. T. Liem. 2,239,238; Apr. 22.
Closures, Forming. H. F. Waters. 2,239,133; Apr. 22.
Clutch: *See*—
Centrifugal clutch.
Clutch. E. E. Wemp. 2,239,161–2; Apr. 22.
Clutch and vacuum converter, Centrifugal. E. E. Wemp. 2,239,163; Apr. 22.
Coatings, Method and apparatus for producing semi-transparent. R. C. Williams and J. E. Ruedy. 2,239,452; Apr. 22.
Cobbler's tool. J. C. Connors. 2,239,314; Apr. 22.
Coin or check dispenser. J. C. Wahl. 2,239,434–5; Apr. 22.
Combine. D. Edwards. 2,239,486; Apr. 22.
Communication equipment. J. O. Harvey. 2,239,094; Apr. 22.
Communication system, Short wave. N. E. Lindenblad. 2,238,904; Apr. 22.
Composite board. V. Lefebure. 2,239,107; Apr. 22.
Compounds of the cyclopentanopolyhydrophenanthrone series and processes of making same. K. Miescher and A. Wettstein. 2,239,012; Apr. 22.
Compounds of the etio-cholane series. F. Hildebrandt. 2,238,936; Apr. 22.
Concrete conveying apparatus. W. Muller, W. H. Reimann, and A. Johnson. 2,238,944; Apr. 22.
Condensation products from high molecular weight carboxylic ketones. A. L. Linch and V. Weinmayr. 2,238,940; Apr. 22.
Condition responsive device. W. D. Cockrell. 2,239,438; Apr. 22.
Conditioner for circulating fluid. W. H. Greenfield. 2,239,038; Apr. 22.
Connecting rod. H. C. Hill. 2,239,039; Apr. 22.
Connection, Elastic sleeve. A. Bierend. 2,239,641; Apr. 22.
Connection for gaseous discharge tubes, Transformer. W. C. Hall. 2,239,002; Apr. 22.
Connector: *See*—
Cable connector. Wire connector.
Electrical connector.
Connector parts, Producing. F. W. Mebold. 2,239,331; Apr. 22.
Connector unit for wiring system. J. F. O'Brien. 2,239,655; Apr. 22.
Contact points, Cutting. T. De Graeve. 2,239,456; Apr. 22.
Container: *See*—
Portable insulated container.
Control apparatus. S. Pitt and L. O. Reichelt. 2,239,400; Apr. 22.
Control device. E. J. Dillman and J. E. Fleury. 2,239,146; Apr. 22.
Control device for liquid fuel burners, Interchangeable manual and thermostatic. R. W. Johnson and V. R. Pawelsky. 2,239,525; Apr. 22.
Control system for the remote operation of power plants. E. Pearson. 2,238,914; Apr. 22.
Conveyer elevator, Mobile. A. O. Siren. 2,239,256; Apr. 22.
Conveyer for guns. V. Hammar. 2,239,558; Apr. 22.
Conveyer, Shaker. L. D. Hagenbook. 2,239,521; Apr. 22.
Conveyer, Shaker. W. W. Sloane. 2,239,578; Apr. 22.
Conveyer, Slicing machine. C. L. Straeten. 2,239,665; Apr. 22.
Cooking apparatus, Gas or electric. J. Teller and A. P. Schulz. 2,239,347; Apr. 22.
Cooler for cement clinker. R. D. Pike and D. Baird. 2,239,246; Apr. 22.
Coop, Poultry. C. E. Sheets. 2,239,020; Apr. 22.
Cornice, Decorative. F. Sladkus. 2,239,664; Apr. 22.
Counter resetting device. V. C. Studley. 2,238,920; Apr. 22.
Coupling: *See*—
Pipe coupling.
Cover, Forming a wheel. G. A. Lyon. 2,239,368; Apr. 22.
Cover mounting and locking means for tanks. F. A. Holby. 2,239,326; Apr. 22.
Cover operating device, Hatch. C. J. Holland. 2,239,096; Apr. 22.
Covering, Bed. R. H. Roberts. 2,239,017; Apr. 22.
Cradle box. G. Loth. 2,239,365; Apr. 22.
Crochet cotton ball holder. V. F. Graham, Sr. 2,239,226; Apr. 22.
Crockery. W. L. Giller. 2,239,093; Apr. 22.
Cubing or pelleting machine for feeds. P. R. De Permentier. 2,239,220; Apr. 22.
Cultivator, Cross. R. E. and E. Ledbetter. 2,239,153; Apr. 22.
Cultivator, Tractor mounted. T. W. Johnson. 2,239,387; Apr. 22.
Curtain device, Overlapping. J. and M. Tendrich. 2,239,631; Apr. 22.
Curtain drying rack. M. E. Decker. 2,239,382; Apr. 22.
Curtain rod. F. W. Richardson. 2,238,984; Apr. 22.

Curtain, Shower. J. and M. Tendrich. 2,239,630; Apr. 22.
Cushion, Pneumatic. J. E. O'Dell and C. D. Mason. 2,239,300; Apr. 22.
Cushioning device. A. F. O'Connor. 2,239,113; Apr. 22.
Cutter: *See*—
Scoring cutter. Stalk cutter.
Cutter and tool grinding machine. C. H. Amidon. 2,239,639; Apr. 22.
Cutting implement. W. F. Fischer. 2,238,933; Apr. 22.
Cutting machine. W. P. Gallagher. 2,239,287; Apr. 22.
Damper, Dynamic. R. Chilton, W. G. Lundquist, and H. C. Hill. 2,239,078; Apr. 22.
Damper, Dynamic. V. T. Moore. 2,239,111; Apr. 22.
Davit, Gravity. A. P. Schat. 2,239,253; Apr. 22.
Decarbonizer for coke ovens. M. D. Curran. 2,239,412; Apr. 22.
Delivery mechanism. O. C. Roesen and I. Tornberg. 2,239,118; Apr. 22.
Dental accessory device. N. D. Levick. 2,239,392; Apr. 22.
Dental apparatus. N. Opotow. 2,239,294; Apr. 22.
Dental X-ray film holder. J. B. Poindexter. 2,239,569; Apr. 22.
Depthometer. F. Roberts. 2,239,573; Apr. 22.
Derivatives of amides of polycarboxylic acids. M. Katzman and B. R. Harris. 2,238,901; Apr. 22.
Derivatives of amines. F. J. Cahn and B. R. Harris. 2,238,927–9; Apr. 22.
Device for detecting pump failure. C. A. Jahreis. 2,239,270; Apr. 22.
Device for training football kickers. M. W. Peterson. 2,239,200; Apr. 22.
Diazo-imino compounds. E. A. Markush, J. Miller, and J. J. Malawista. 2,239,565; Apr. 22.
Dicer, Mechanical fruit. E. W. Carroll, C. Lachman, and P. Wormser. 2,238,971; Apr. 22.
Dies, Making drawing. L. C. Jacobson. 2,239,425; Apr. 22.
Digger, Posthole. E. J. Vance. 2,239,024; Apr. 22.
Direction indicator control. H. A. Steele. 2,239,205; Apr. 22.
Direction indicator signal. C. K. Antonopulos. 2,239,544; Apr. 22.
Discharge apparatus. W. M. Goodhue and R. B. Power, Jr. 2,239,289; Apr. 22.
Discharge head of spoil tipping conveyers. J. S. Lane. 2,239,007; Apr. 22.
Dishwashing apparatus. V. J. Butterfield. 2,238,969; Apr. 22.
Disk brake, Multiple. H. Kattwinkel. 2,239,459; Apr. 22.
Dispenser: *See*—
Bread-loaf dispenser. Coin or check dispenser.
Display cabinet. H. A. Muirhead. 2,239,618; Apr. 22.
Door: *See*—
Folding door.
Door structure, Overhead. A. V. Rowe and W. A. Norberg. 2,239,273; Apr. 22.
Drafting instrument. I. W. Hicks. 2,239,323; Apr. 22.
Drawing mechanism for textile fibers. R. M. Jones and V. A. Burnham. 2,239,102; Apr. 22.
Drill: *See*—
Well drill.
Drilling fluid, Weighted nonaqueous. G. E. Cannon and M. Williams. 2,239,498; Apr. 22.
Drilling, milling, or like machine tool. F. Turrettini. 2,239,261; Apr. 22.
Drive mechanism for steam or explosive engines, Full power. D. S. Dillenbach. 2,239,663; Apr. 22.
Driving and stopping mechanism for shoe sewing machines. O. R. Hans. 2,239,603; Apr. 22.
Driving mechanism for magnetos, Engine. J. F. Martin and W. D. Crocker. 2,239,650; Apr. 22.
Drum, Mud. J. G. Whitlatch and O. R. Williamson. 2,239,138; Apr. 22.
Dump body. E. R. Barrett. 2,239,029; Apr. 29.
Duplicating machine, Rotary. R. R. Rockhill. 2,239,401; Apr. 22.
Dyestuff of the anthrapyridone series. A. J. Wuertz and W. Dettwyler. 2,238,961; Apr. 22.
Dyestuffs and their manufacture, Hexakisazo. A. Krebser. 2,239,005; Apr. 22.
Dyestuffs containing a heavy metal, Azomethine. H. Krzikalla, H. Pfitzner, and K. Schmidt. 2,239,290; Apr. 22.
Dynamic system, Self-balancing. C. C. Bradbury. 2,238,989; Apr. 22.
Dynamoelectric machine, Totally enclosed. J. L. Brown. 2,238,925; Apr. 22.
Earth formations, Treatment of. L. C. Chamberlain and H. A. Robinson. 2,238,930; Apr. 22.
Electric arc apparatus. H. G. Spear. 2,238,918; Apr. 22.
Electric filter. M. F. Peters and R. H. Stone. 2,238,915; Apr. 22.
Electric regulating system. E. E. Moyer. 2,239,429; Apr. 22.
Electric switch. J. Bierenfeld and L. G. Maechtlen. 2,239,631; Apr. 22.
Electric switch. J. G. Jackson. 2,239,099; Apr. 22.
Electric switch. D. G. Kimball. 2,239,426; Apr. 22.
Electric switch. J. J. Zeller. 2,239,071; Apr. 22.
Electric wave system. P. J. Walsh. 2,238,986; Apr. 22.
Electrical apparatus, Testing. P. R. Dunlap. 2,239,193; Apr. 22.
Electrical connector. J. G. Jackson. 2,239,100; Apr. 22.
Electrical investigation of drill holes, Method of and apparatus for. J. Neufeld. 2,239,466; Apr. 22.
Electrical switch. G. W. Goldner. 2,239,224; Apr. 22.
Electrical unit. L. G. Morten and J. F. O'Brien. 2,239,652; Apr. 22.
Electrochemical properties of shaped articles, Modifying the. P. Schlack. 2,238,949; Apr. 22.
Electrode for measuring the conductivity of liquids. F. Lieneweg. 2,238,903; Apr. 22.
Electrolytic fishing. R. Gomez. 2,238,897; Apr. 22.
Electromagnet. M. L. Jeffrey. 2,239,267; Apr. 22.
Electromagnetic apparatus. D. M. Berges. 2,239,312; Apr. 22.
Electromagnetic operator for light signals. O. S. Field. 2,239,316; Apr. 22.
Electron beam tube. H. M. Wagner. 2,239,407; Apr. 22.
Electron discharge device. A. V. Haeff. 2,239,421; Apr. 22.
Electron discharge device. J. L. H. Jonker. 2,239,388; Apr. 22.
Electron discharge tube. H. Strübig. 2,239,022; Apr. 22.
Electron discharge tube and circuits. E. W. Herold. 2,239,560; Apr. 22.
End construction for rail cars. A. G. Dean. 2,239,264;
Engine: *See*—
Barrel engine.
Four stroke explosion engine.
Engine carburetion system, Two-cycle. W. A. Lundell. 2,239,239; Apr. 22.
Eraser tip, Reversible. D. Jueles. 2,239,526; Apr. 22.
Ethers substituted by high molecular weight alkyl groups, Alkyl-aralkyl. J. H. Bartlett and M. F. Fincke. 2,239,515; Apr. 22.
Evaporation process and apparatus, Constant. P. W. Gumaer. 2,238,935; Apr. 22.
Fabric: *See*—
Pile fabric.
Fabric decorative effect. C. Emmey and M. V. Hamburger. 2,239,351; Apr. 22.
Fabrics, Method of and apparatus for finishing. J. H. Richa. 2,239,572; Apr. 22.
Facsimile apparatus. J. V. L. Hogan and H. G. Miller. 2,239,489; Apr. 22.
Fastener: *See*—
Carpet fastener.
Fastener. J. M. Summers. 2,239,125; Apr. 22.
Fasteners, Making. G. H. C. Corner. 2,239,645; Apr. 22.
Fastening pulling machine. A. S. Johnson. 2,238,978; Apr. 22.
Fender skirt attaching mechanism. G. W. Schatzman. 2,238,948; Apr. 22.
Ferrule. T. Brewer. 2,239,282; Apr. 22.
Fertilizer applicator. R. H. Gleason. 2,239,502; Apr. 22.
Fibers, Production of cellulose derivative cut staple. W. T. Jackson and H. R. Childs. 2,238,977; Apr. 22.
Filling machine. R. J. Stewart and F. S. Bell. 2,239,120; Apr. 22.
Film cartridge loader. W. W. Boes. 2,239,188; Apr. 22.
Films and plates, Treatment of photographic. F. Draisbach. 2,239,284; Apr. 22.
Filter: *See*—
Electric filter.
Filter. F. W. Young. 2,238,962; Apr. 22.
Filter network, Band-pass. H. A. Wheeler. 2,239,136; Apr. 22.
Fireplace screen. J. D. Kennedy. 2,239,562; Apr. 22.
Fish cleaning and cutting machine. C. P. and A. L. Palmer. 2,239,013; Apr. 22.
Fish lure. W. Slepica. 2,239,404; Apr. 22.
Fish pole. N. Gunnufson. 2,239,227; Apr. 22.
Fixture, Grinding wheel dressing. R. E. Cross. 2,239,034; Apr. 22.
Flexible support. F. B. Halford, E. and C. F. Vickers. 2,239,319; Apr. 22.
Floating structure, station, and seadrome. F. G. Creed. 2,238,974; Apr. 22.
Flour from grain, Production of. T. J. Klint. 2,239,563; Apr. 22.
Fluid-dispensing device. E. P. Sundholm. 2,239,581; Apr. 22.
Fluid, Filtering or purifying. W. Neumann. 2,239,620; Apr. 22.
Fluid motor. M. Kraut. 2,239,298; Apr. 22.
Fluid pressure regulator. W. A. Ray. 2,239,116; Apr. 22.
Flusher, Hand and siphon. M. Pribula. 2,239,570; Apr. 22.
Folding box. M. Hyndman. 2,239,233; Apr. 22.
Folding door. J. Nicol. 2,239,467; Apr. 22.
Food processing. D. L. Loetscher. 2,239,008; Apr. 22.
Foor products, Sterilization of. G. C. North, V. C. Stebnitz, and A. J. Alton. 2,239,397; Apr. 22.
Forging blank for steering knuckles. N. C. Rendleman. 2,239,202; Apr. 22.
Fountain, Poultry drinking. W. L. Lipman. 2,239,393; Apr. 22.

Four-stroke explosion engine. M. A. Violet. 2,239,262; Apr. 22.
Frame: *See*—
Handbag frame. Tractor frame.
Frequency controlling system. E. F. W. Alexanderson. 2,239,436; Apr. 22.
Friction transmission mechanism. R. Erban. 2,239,087; Apr. 22.
Fruit separator. H. L. Gaymon. 2,238,997; Apr. 22.
Fuel burner. E. Vigneault. 2,239,025; Apr. 22.
Fuel regulator for motor temperature conditions. L. H. Messinger, Jr. 2,239,292; Apr. 22.
Furnace: *See*—
Annealing furnace.
Furnace. E. G. Bailey. 2,239,662; Apr. 22.
Furnace. G. A. Rehm. 2,239,341; Apr. 22.
Furnace wall or similar structure. B. L. Cassady. 2,239,588; Apr. 22.
Fuse. O. H. Jung and P. E. Heffelfinger. 2,239,390; Apr. 22.
Game. E. A. Peterson. 2,239,014; Apr. 22.
Game. H. G. Shepherd. 2,239,431; Apr. 22.
Game, Amusement. M. L. Goldberg. 2,239,420; Apr. 22.
Game board. M. J. Senz. 2,239,449; Apr. 22.
Garment, Foundation. C. Bullinger. 2,239,217; Apr. 22.
Garment reinforcing means. J. F. Baker, L. L. Almond, F. Ferguson, and L. P. Madsen. 2,239,028; Apr. 22.
Gas eliminator, Automatic stoker. E. J. Sourber. 2,239,061; Apr. 22.
Gas purifying apparatus, Producer. E. H. Smith. 2,239,181; Apr. 22.
Gas turbine plant. A. Lysholm. 2,238,905; Apr. 22.
Gas volume indicating gauge. W. E. Dimmock. 2,239,221; Apr. 22.
Gases containing sulphur, Treatment of. W. H. Groombridge and R. Page. 2,239,060; Apr. 22.
Gauge: *See*—
Gas volume indicating gauge. Hinge recess gauge.
Micrometer gauge.
Gauge for sewing machines, Adjustable. J. J. Cahill. 2,239,189; Apr. 22.
Gear: *See*—
Valve gear.
Generator: *See*—
Ultra high frequency generator
Generator. G. F. Kuehn. 2,239,043; Apr. 22.
Glass block mounting. W. Owen. 2,239,537; Apr. 22.
Glass, Multiple laminated. J. W. Kamerer. 2,239,527; Apr. 22.
Glass sheets, Process and apparatus for bending. L. V. Black and G. Z. Minton. 2,239,546; Apr. 22.
Glasses and seals for quartz lamps, Making sealing. R. H. Dalton and M. E. Nordberg. 2,239,551; Apr. 22.
Glassware, Method of and apparatus for burning off. H. R. Schutz. 2,239,627; Apr. 22.
Governing apparatus. M. Gottlieb. 2,239,602; Apr. 22.
Gopher poison dispenser. F. C. Moger. 2,239,464; Apr. 22.
Gravity meter. T. S. Morris. 2,239,049; Apr. 22.
Grinding machine. C. G. Flygare. 2,239,091; Apr. 22.
Guard for power driven razors. J. O. Jensen. 2,238,886; Apr. 22.
Guard, Handle. A. I. Kupfer. 2,239,180; Apr. 22.
Guide, Silver. O. W. Schluma. 2,239,403; Apr. 22.
Gun, Field piece or field. V. Hammar. 2,239,559; Apr. 22.
Gun sight. J. D. Hooks. 2,239,231; Apr. 22.
Hair rinse and dye applicator. M. Rock. 2,239,054; Apr. 22.
Halide preparation. M. M. Gibbons. 2,238,896; Apr. 22.
Hammer, Portable power. L. T. Everett. 2,239,090; Apr. 22.
Handbag frame. G. Laubenstein. 2,239,648; Apr. 22.
Hard metal alloy. R. W. Schlumpf. 2,239,058; Apr. 22.
Handle: *See*—
Razor handle.
Handle ing for burial containers. E. H. Thoresen. 2,239,174; Apr. 22.
Hatch closure, Refrigerator car. J. S. Lundvall. 2,239,269; Apr. 22.
Hatch construction. L. E. Cartmill. 2,239,033; Apr. 22.
Hatch construction. P. E. Finger. 2,239,037; Apr. 22.
Hatch plug. V. E. West. 2,239,512–13; Apr. 22.
Hatch plug construction. V. E. West. 2,239,511; Apr. 22.
Headrest. S. R. Jones. 2,239,003; Apr. 22.
Headstock for machine tools, Particularly grinding machines. K. Jung. 2,239,103; Apr. 22.
Hearing device, Bone conduction. J. R. Cubert. 2,239,550; Apr. 22.
Heat by exothermic reaction, Producing. H. Bonat. 2,239,410; Apr. 22.
Heat exchanger. O. Hartmann. 2,239,230; Apr. 22.
Heat transfer apparatus. C. K. Bennett. 2,238,924; Apr. 22.
Heater: *See*—
Nonfreezing heater.
Heater. E. L. Watson. 2,239,066; Apr. 22.
Heel-making machine. F. Ashworth. 2,238,988; Apr. 22.
Heel, Transferable. R. Fogarty. 2,239,600; Apr. 22.
Hinge recess gauge. H. W. Seiger. 2,239,576; Apr. 22.
Hobble, Cow. C. S. Taylor. 2,239,474; Apr. 22.
Holder: *See*—
Crochet cotton ball holder. Sash holder.
Dental X ray film holder.
Horn. G. Carbonaro. 2,238,880; Apr. 22.
Hosiery. J. W. Crawford. 2,239,593; Apr. 22.
Humidifying apparatus. W. W. Cummings, Jr. 2,239,595; Apr. 22.
Humidifying apparatus. J. C. Hornung. 2,239,444; Apr. 22.
Hydraulic clutching and driving apparatus. H. J. Criner. 2,239,167; Apr. 22.
Hydraulic jack. H. P. Brumder. 2,238,968; Apr. 22.
Hydraulic system. J. Mercier. 2,239,566; Apr. 22.
Hydrocarbons, Treatment of. W. E. Kuhn. 2,239,490; Apr. 22.
Ice cream, Making. H. B. Adams. 2,239,165; Apr. 22.
Ice freezing apparatus. B. F. Kubaugh. 2,239,234; Apr. 22.
Igniter for stoves. L. R. Unser. 2,239,175; Apr. 22.
Ignition device for use with safety fuses or the like. D. E. Pearsall and J. D. Rich. 2,239,051–2; Apr. 22.
Ignition system for fuel burners. J. K. Clark. 2,238,890; Apr. 22.
Illumination unit. C. P. Rumbaugh. 2,239,343; Apr. 22.
Indexing device. F. Turrettini. 2,239,260; Apr. 22.
Inking mechanism for intaglio printing presses. A. Rosenthal. 2,238,985; Apr. 22.
Insecticidal composition. G. H. Coleman and C. L. Moyle. 2,239,079; Apr. 22.
Insecticidal composition. G. H. Coleman, C. L. Moyle, and J. E. Livak. 2,239,080; Apr. 22.
Instrument for playing shuffleboard. F. W. P. Krause. 2,239,391; Apr. 22.
Insulated structure. H. W. Mackechnie. 2,239,394; Apr. 22.
Intaglio printing machine for manufacturing name markers. O. Greenstein. 2,238,898; Apr. 22.
Integrating apparatus. R. W. Gilbert. 2,239,363; Apr. 22.
Interrupter for ignition devices. K. Straub and A. Ellwanger. 2,239,124; Apr. 22.
Iron removal apparatus. J. P. Lawlor. 2,239,612; Apr. 22.
Jack: *See*—
Hydraulic jack. Lifting jack.
Jacket. P. H. Bailey. 2,239,074; Apr. 22.
Jetting apparatus. C. S. Kuna. 2,239,610; Apr. 22.
Joint. H. C. Lord. 2,239,299; Apr. 22.
Journal box. R. B. Cottrell. 2,239,646; Apr. 22.
Ketones, Manufacture of cyclic. R. Robinson. 2,239,250; Apr. 22.
Knee actuated switch. H. Levich. 2,239,155; Apr. 22.
Knife and sharpener, Combination photographic etching. J. G. Pratt. 2,239,372; Apr. 22.
Knife, L-shaped cutter. A. G. Melde. 2,239,615; Apr. 22.
Knitting device. T. B. Adams. 2,239,212; Apr. 22.
Knitting machine. S. E. Brillhart. 2,239,378; Apr. 22.
Knitting machine. C. N. Stover. 2,239,406; Apr. 22.
Label printing and accounting machine. H. P. Elliott. 2,239,355; Apr. 22.
Lacing device. E. E. Hills. 2,239,324–5; Apr. 22.
Lactoflavin, Purifying. G. E. Flanigan and G. C. Supplee. 2,239,285; Apr. 22.
Lamp: *See*—
Ornamental electric lamp
Lamp and radio receiving set, Combined. D. J. Crowley. 2,239,084; Apr. 22.
Latch: *See*—
Safety latch
Lathe, Automatic. C. L. Dewey. 2,239,413; Apr. 22.
Laundry press. R. Wilson. 2,239,476; Apr. 22.
Lead, Pencil. I. Chesler and D. Shutak. 2,239,142; Apr. 22.
Leaf binding device. E. N. Farkas. 2,239,036; Apr. 22.
Leather substitute. L. E. Oliner. 2,239,245; Apr. 22.
Lid operating mechanism, Awning recess. H. C. Heiser. 2,239,605; Apr. 22.
Lifting jack. M. B. Lucker. 2,239,268; Apr. 22.
Light and mirror, Combined. I. Florman. 2,239,399; Apr. 22.
Lighter. E. M. Berthold. 2,239,479; Apr. 22.
Line construction for trolley bus systems, Overhead. N. A. Wahlberg and J. L. Crouse. 2,239,582; Apr. 22.
Line wiping device. D. G. Miller. 2,239,159; Apr. 22.
Lint, Method and means for processing. A. K. Schwartz and F. J. Walker. 2,239,059; Apr. 22.
Lintel for openings in building walls. P. E. Knudsen. 2,239,529; Apr. 22.
Liquid applicator. H. W. Steinmetz. 2,238,953; Apr. 22.
Liquid dispensing apparatus. R. R. Trexler. 2,239,207; Apr. 22.
Liquid dispensing device, Self contained. M. C. Schwab. 2,239,275; Apr. 22.
Liquid level indicating equipment for tanks. E. G. Sachs. 2,239,402; Apr. 22.
Lock for lock controlled alarms. J. M. Marateck. 2,238,942; Apr. 22.
Lock particularly for automobiles, Door. M. Papst. 2,239,301; Apr. 22.
Locket. L. C. Mark. 2,239,009; Apr. 22.

Locking device. F. I. Keane. 2,239,154; Apr. 22.
Loom temple. R. E. Chard. 2,239,191; Apr. 22.
Lubricants containing polymers of intermediate weight. P. K. Frolich and F. L. Miller. 2,239,501; Apr. 22.
Lubricating system, Engine. E. A. Ryder. 2,239,447; Apr. 22.
Lunch box, Folding. M. Larin and N. Simard. 2,239,611; Apr. 22.
Machine and method of weaving insulation. W. F. Astley. 2,239,514; Apr. 22.
Machine for making chains. F. A. Olmstead. 2,239,114; Apr. 22.
Machine for picking up rocks from a highway. M. J. Woznack. 2,239,280; Apr. 22.
Machine synchronizer. H. A. Tenn. 2,239,632; Apr. 22.
Machine tool. F. Turrettini. 2,239,259; Apr. 22.
Magnesium from vapor mixtures, Recovery of. T. H. McConica, III. 2,238,910; Apr. 22.
Magnesium from vapor phase mixtures, Recovery of. T. H. McConica, III, and T. Griswold, Jr. 2,238,909; Apr. 22.
Magnet, Permanent. R. S. Dean and C. W. Davis. 2,239,144; Apr. 22.
Magnetic core with polystyrene binder, Subdivided. E. Fischer. 2,238,893; Apr. 22.
Mandrel for cross rolling mills, Articulated. S. E. Diescher. 2,239,085; Apr. 22.
Mantle. H. W. Strong. 2,239,346; Apr. 22.
Masonry structures and a liquid coating composition therefor, Lampproofing. W. H. Swenarton. 2,239,126; Apr. 22.
Massage device. J. E. Brown. 2,238,967; Apr. 22.
Material handling apparatus. F. Garner. 2,239,288; Apr. 22.
Materials, Examination of transparent solid. A. C. Waine and F. Din. 2,239,263; Apr. 22.
Meat-tendering machine. J. P. Spang. 2,239,430; Apr. 22.
Mechanism for justifying of number wheels. M. A. E. Levy. 2,239,460; Apr. 22.
Medicine cabinet. W. M. Fulton. 2,239,487; Apr. 22.
Mercerizing apparatus. E. Weiss. 2,239,636; Apr. 22.
Metal with graphitic carbon, Coating. C. Eddison. 2,239,414; Apr. 22.
Metals by distillation, Separation of. W. H. Osborn and S. B. Tuwiner. 2,239,370; Apr. 22.
Metals by distillation, Separation of. W. H. Osborn, S. B. Tuwiner, and E. O. Sperr. 2,239,371; Apr. 22.
Meter: *See*—
Gravity meter.
Metering device for compressed SO_2. J. A. Thomas. 2,239,278; Apr. 22.
Metering system, Remote. G. De Croce and W. A. Derr. 2,239,552; Apr. 22.
Micrometer gauge, Valve-setting. G. R. King. 2,238,887; Apr. 22.
Mill flinger, Attrition. M. S. Byers. 2,239,497; Apr. 22.
Mineral fortification of foodstuffs. J. S. Andrews, L. H. Evans, and L. J. Huber. 2,239,543; Apr. 22.
Mirror and manufacture thereof, Decorative. A. G. Gurwood. 2,239,520; Apr. 22.
Mirror, Rearview. J. W. Anderson. 2,238,877; Apr. 22.
Mixer: *See*—
Soap and water mixer.
Mixing machine. O. Jacobsen. 2,239,152; Apr. 22.
Mixing valve. J. B. Powers. 2,238,916; Apr. 22.
Mold for making hollow cast metal valves. A. T. Colwell. 2,239,381; Apr. 22.
Molding apparatus. V. B. Norelli. 2,239,338; Apr. 22.
Molds, Lining composition for centrifugal casting. M. Langenohl and H. Projahn. 2,239,530; Apr. 22.
Monitor, Direction finder. S. B. Smith and R. J. Kemp. 2,238,951; Apr. 22.
Monitor and circuit, Electrical. H. E. Metcalf and E. W. Carroll. 2,238,980; Apr. 22.
Motor: *See*—
Fluid motor. Water motor.
Motor control system, Synchronous. C. C. Nelson. 2,239,244; Apr. 22.
Mounting: *See*—
Glass block mounting. Stylus head mounting.
Ophthalmic mounting. Wheel disk mounting.
Spectacle mounting.
Mounting or setting of gems, precious stones or the like. S. H. Pritchard. 2,239,302; Apr. 22.
Mucking machine. A. R. Biedess. 2,239,076; Apr. 22.
Nail, Fracture. J. J. Ettinger. 2,239,088; Apr. 22.
Nail, Furring. D. Powell. 2,238,945; Apr. 22.
Nail stripper. E. E. Werner. 2,239,209; Apr. 22.
Naphthazarin intermediate, Preparation of. D. X. Klein. 2,238,938; Apr. 22.
Napthazarin intermediate, Preparation of. M. S. Whelen. 2,238,959; Apr. 22.
Nickel and copper from nickel-copper mattes, Recovery of. H. and L. Schlecht. 2,239,626; Apr. 22.
Nonfreezing heater. A. E. Stacey, Jr. 2,238,952; Apr. 22.
Nozzle, Pouring. H. Wainwright. 2,239,065; Apr. 22.
Nozzle, Suction. E. O. H. Hansson. 2,239,384; Apr. 22.
Oil, Textile. A. C. Goodings, H. B. Marshall, and H. W. Lemon. 2,238,882; Apr. 22.
Opener, Can. M. J. Zimmer. 2,239,309; Apr. 22.
Operating means for airplane control surfaces. R. J. Woods and R. A. Wolf. 2,239,210; Apr. 22.
Ophthalmic mounting. I. M. Schwab. 2,239,575; Apr. 22.
Ophthalmic mounting. E. M. Splaine. 2,238,919; Apr. 22.
Ornamental electric lamp. F. J. Passantino and V. Davi. 2,239,340; Apr. 22.
Outlet, Electrical convenience. J. F. O'Brien. 2,239,653; Apr. 22.
Package for food products and the like. D. Ray. 2,239,571; Apr. 22.
Packaging. F. D. Palmer. 2,239,398; Apr. 22.
Packaging in bulk frozen comestibles or the like. G. W. Cocks. 2,239,482; Apr. 22.
Packer, Combination. E. P. Halliburton. 2,239,150; Apr. 22.
Packing material. W. J. De Reamer. 2,239,499; Apr. 22.
Paint. L. C. Amberson. 2,239,478; Apr. 22.
Panel, Building. J. Meslin. 2,239,011; Apr. 22.
Panel, Fuse. L. W. Cole. 2,239,644; Apr. 22.
Paper winding regulator. W. T. Stanford. 2,239,472; Apr. 22.
Partition structure, Concrete story. J. Brandt. 2,239,177; Apr. 22.
Pedal, Dual control. C. R. Crannell. 2,239,439; Apr. 22.
Pentadienal and making it. R. Kuhn and C. J. O. R. Morris. 2,239,491; Apr. 22.
Percolator, Coffee. A. H. Hagen. 2,239,001; Apr. 22.
Photoengraving. T. N. Hoglund. 2,239,386; Apr. 22.
Piano, Upright. F. C. Socin. 2,239,204; Apr. 22.
Picker check. C. D. Brown. 2,239,349; Apr. 22.
Picker stick checking mechanism. C. D. Brown. 2,239,361; Apr. 22.
Picture machine, Automatic motion. A. W. Miller and J. H. McMahon. 2,239,241; Apr. 22.
Pigment, Recovering. B. Marquis. 2,239,492; Apr. 22.
Pile fabric, Fire repellent. W. A. Gibbons. 2,239,457; Apr. 22.
Pipe coupling. K. Sander. 2,239,252; Apr. 22.
Piston ring. R. O. Smith. 2,239,376; Apr. 22.
Piston stabilizer. J. R. Summers. 2,239,257; Apr. 22.
Plaster cutting tool. E. Amundsen. 2,239,585; Apr. 22.
Plastic composition. J. T. K. Crossfield. 2,238,975; Apr. 22.
Platform, Portable unloading. B. C. Hope. 2,239,151; Apr. 22.
Plow, Two way reversible tractor. W. A. Doane. 2,239,596; Apr. 22.
Plug: *See*—
Hatch plug. Spark plug.
Polishing and buffing wheel, Automatically expandible. H. J. and R. H. Barton. 2,239,140; Apr. 22.
Polymerization and condensation products. L. A. Mikeska and E. Lieber. 2,239,534; Apr. 22.
Portable insulated container. G. Sykes. 2,239,128; Apr. 22.
Pour point depressant. L. A. Mikeska. 2,239,533; Apr. 22.
Power operated vehicle. C. L. Stokes. 2,239,122; Apr. 22.
Power transmitter. C. S. Thompson and P. B. Clark. 2,239,633; Apr. 22.
Precision-calibrating device with visual indicator. W. C. Wagner and F. Strattner. 2,239,306; Apr. 22.
Pregnendiones and producing the same. L. Strassberger. 2,238,955; Apr. 22.
Preheating apparatus. P. T. Lindhard and E. Svendsen. 2,238,941; Apr. 22.
Preservatives for fish nets, fish lines, and the like. S. H. Chambers. 2,239,455; Apr. 22.
Press: *See*—
Laundry press.
Press assembly. O. O. Rieser. 2,239,248; Apr. 22.
Pressing apparatus. O. Oeckl. 2,239,339; Apr. 22.
Pressure relief or unloading valve, Fluid. W. Ernst. 2,239,148; Apr. 22.
Profile milling machine. E. G. Roehm and H. Fritschi. 2,239,625; Apr. 22.
Puller: *See*—
Weed puller.
Pulley hoisting apparatus and the reeving thereof, Compound. H. T. Nichols. 2,239,493; Apr. 22.
Pulp, Bleaching kraft. E. H. Hill and R. Hooks. 2,239,606; Apr. 22.
Pulverizer. I. T. Miller. 2,239,197; Apr. 22.
Pump mechanism. L. E. Hankison. 2,239,228; Apr. 22.
Pump with multiple pressure control, Variable delivery. W. Ernst, J. A. Muller, and V. S. Shaw. 2,239,147; Apr. 22.
Punch, Film tempo. R. C. McClay. 2,239,532; Apr. 22.
Rack: *See*—
Curtain drying rack. Ribbon rack.
Rack and base. A. Bersin. 2,239,360; Apr. 22.
Radio apparatus. W. P. Gray. 2,239,170; Apr. 22.
Radio control apparatus, Automatic and manual. R. B. Foster. 2,238,894; Apr. 22.
Radio range. D. S. Bond. 2,238,965; Apr. 22.
Railway brake. C. L. Eksergian. 2,239,086; Apr. 22.
Razor handle. S. Edelheit and R. F. Landwehr. 2,239,415; Apr. 22.
Razor, Pneumatic. G. R. Tremolada. 2,239,279; Apr. 22.
Razor, Safety. R. P. Harshberger. 2,238,899; Apr. 22.
Reamer, Expansive. J. Grant. 2,238,998; Apr. 22.
Receptacle and dispenser, String. J. H. Withey. 2,239,185; Apr. 22.

Receptacle for bulk ice-cream distortable cartons, Dispensing storage. G. W. Cocks. 2,239,484; Apr. 22.
Receptacle for bulk ice cream distortable cartons, Receiving and supporting. G. W. Cocks. 2,239,483; Apr. 22.
Record reproducing system, Remote control sound. F. A. Hadel and R. J. Thompson. 2,238,976; Apr. 22.
Recording apparatus. H. G. Johnstone and N. K. Engst. 2,239,524; Apr. 22.
Recording device. S. Lörând. 2,239,330; Apr. 22.
Reducing solution for silvering operations. A. G. Gurwood. 2,239,519; Apr. 22.
Refrigerant testing device. W. R. Wells. 2,238,958; Apr. 22.
Refrigerating apparatus. J. A. Conrady. 2,239,178; Apr. 22.
Refrigerating system. W. H. F. Schmiesing. 2,239,583; Apr. 22.
Refrigerating system, Absorption type. E. H. Ryden and A. C. Schickler. 2,239,019; Apr. 22.
Refrigeration. J. H. Beach. 2,239,141; Apr. 22.
Refrigeration. C. C. Coons and R. S. Nelson. 2,239,143; Apr. 22.
Refrigeration apparatus. L. De Markus and L. Buehler, Jr. 2,239,485; Apr. 22.
Refrigerator. C. H. Nauert. 2,239,369; Apr. 22.
Refrigerator car, Railway. A. F. O'Connor. 2,239,622; Apr. 22.
Regulator: *See*—
Fluid pressure regulator. Paper winding regulator.
Relay, Break-in. H. R. Miller. 2,238,913; Apr. 22.
Remainders from liquids, particularly of selective solvents from hydrocarbon oils and the like, Removal and recovery of solvent. F. Schick. 2,239,470; Apr. 22.
Resilient car wheel. C. Burton and D. P. Steward. 2,239,077; Apr. 22.
Resinous composition prepared from malonic diamide. G. F. D'Alelio. 2,239,440; Apr. 22.
Respirator. N. K. Benos. 2,238,964; Apr. 22.
Ribbon package and reel. E. Funke. 2,239,222; Apr. 22
Ribbon rack. L. Johnson. 2,239,041; Apr. 22.
Rim for pneumatic tires, Wheel. R. H. Lewis. 2,239,504; Apr. 22.
Ring: *See*—
Piston ring.
Road working machine. C. P. Lelitter. 2,239,649; Apr. 22.
Robe. L. C. Safir. 2,239,274; Apr. 22.
Rock boring bit. R. W. Mann. 2,239,461; Apr. 22.
Rod: *See*—
Connecting rod. Welding rod.
Curtain rod.
Roller control, Ductor. E. F. Dudley. 2,239,168; Apr. 22.
Rolls, Clearing of. P. Drewsen. 2,239,383; Apr. 22.
Roofs of buildings and the like, Construction of. A. H. Pandya. 2,239,399; Apr. 22.
Rosin acid, rosin ester, and rosin product containing them and their production, Stable. E. E. Fleck and S. Palkin. 2,239,555; Apr. 22.
Rubber, Treating. H. P. Bradley. 2,239,659; Apr. 22.
Saddle, Service. F. R. McMurray and P. D. Merrill. 2,239,651; Apr. 22.
Sadiron rest. W. E. Gundelfinger. 2,239,171; Apr. 22.
Safety latch. H. Bayer. 2,238,963; Apr. 22.
Safety valve. G. B. Franck. 2,239,169; Apr. 22.
Sandal. A. L. Sauer. 2,239,471; Apr. 22.
Shading device. J. M. Gleason. 2,239,518; Apr. 22.
Sash holder. E. A. Bakeman. 2,239,214; Apr. 22.
Saw. D. T. Gibb. 2,239,317; Apr. 22.
Scoop for ice-cream and the like. W. R. Lloyd. 2,239,046; Apr. 22.
Scoring cutter. F. O. Carlson. 2,239,454; Apr. 22.
Scraper. H. H. Warner. 2,238,957; Apr. 22.
Screen: *See*—
Fireplace screen.
Screen attachment for windows, Roller. P. Krywonis. 2,239,006; Apr. 22.
Screen for windows, Following. J. B. Schmidt. 2,239,357; Apr. 22.
Screen securing device, Window. L. F. Jullen. 2,239,389; Apr. 22.
Screen structure. E. B. Newell. 2,238,981; Apr. 22.
Scroll cutting machine. W. L. Martin. 2,239,291; Apr. 22.
Seal. B. Borland. 2,238,966; Apr. 22.
Seal for fabric processing machines. H. H. Her. 2,239,424; Apr. 22.
Seal for fluid pressure motors, Spindle. J. H. Zesewitz. 2,239,637; Apr. 22.
Seal having nickel-iron contact prongs, Iron-glass. A. W. Hull. 2,239,423; Apr. 22.
Sedimentation apparatus. V. Harms. 2,239,604; Apr. 22.
Selector. H. E. Lindstrom. 2,239,329; Apr. 22.
Self-focusing and illuminating device for photographic cameras. G. Bucky. 2,239,379; Apr. 22.
Separator: *See*—
Fruit separator.
Setscrew and producing same. A. J. Cherry. 2,239,352; Apr. 22.
Sewing head. C. W. Avery. 2,239,311; Apr. 22.
Sewing machines, Looper-actuating and retracting mechanism for. A. B. Clayton. 2,239,591; Apr. 22.
Sextant. O. Schmidt and H. Schrumpf. 2,239,539; Apr. 22.
Shaving device. E. Wilson. 2,239,184; Apr. 22.
Shaving head, Motor actuated rotary. H. I. Mickle. 2,239,333; Apr. 22.
Shield, C. H. and S. H. Dockson. 2,238,994; Apr. 22.
Shield for automobiles, Antiglare. E. H. McCloud. 2,239,168; Apr. 22.
Shim, Adjustable. L. F. Urbain. 2,239,433; Apr. 22.
Shock absorber. J. M. Nickelsen. 2,239,112; Apr. 22.
Shoe heel and sole. J. de Noronha. 2,239,205; Apr. 22.
Shoe, Plastic. C. Tietig. 2,239,206; Apr. 22.
Shoe structure. S. Cangemi. 2,239,411; Apr. 22.
Shoe supporting device or rack, Collapsible. H. E. Hoffman. 2,238,884; Apr. 22.
Shoe, Ventilated. W. D. Wylie. 2,239,211; Apr. 22.
Shoes, Making. A. W. Altvater. 2,239,377; Apr. 22.
Shovel, Snow. S. E. Allen and C. L. Kerr. 2,239,297; Apr. 22.
Shutter and observation window for motion picture projection booths, Combined fire. E. A. Kern. 2,239,104; Apr. 22.
Shuttle box. H. H. Burdett. 2,239,350; Apr. 22.
Sign: *See*—
Animated sign
Sign projection apparatus. M. H. Goldberg. 2,238,934; Apr. 22.
Signal: *See*—
Direction indicator signal.
Signal device and control, Remote. E. A. Newman. 2,239,140; Apr. 22.
Signal device, Electrical. W. R. Curtiss. 2,239,035; Apr. 22.
Signal for automobiles, Curb. Y. Hayashi. 2,239,422; Apr. 22.
Signal for railroads, Light. E. W. Moore. 2,239,336; Apr. 22.
Silencing device for pulsating gases. A. S. Chipley. 2,239,549; Apr. 22.
Ski horse. C. E. Artman. 2,239,213; Apr. 22.
Slabs, Method and apparatus for molding. A. Henderson. 2,239,195; Apr. 22.
Slating device. D. B. Clark and G. Laube. 2,239,380; Apr. 22.
Slitting machine. C. E. Oster. 2,239,623; Apr. 22.
Sluice. R. M. Mowry. 2,239,396; Apr. 22.
Smoking device. F. S. Miller. 2,239,048; Apr. 22.
Soap and water mixer. L. Siano. 2,239,021; Apr. 22.
Soap stock purification. B. H. Thurman. 2,239,131; Apr. 22.
Socket and holder, Lamp. J. C. Stearns. 2,239,451; Apr. 22.
Socket, Tube. M. Alden. 2,239,638; Apr. 22.
Sound pickup apparatus. B. Kreuzer. 2,239,503; Apr. 22.
Sound recording. J. P. Livadary. 2,239,505; Apr. 22.
Sound recording system. O. A. Ross. 2,238,947; Apr. 22.
Sound velocities in strata traversed by bore holes, Measurement of. R. T. Cloud. 2,238,991; Apr. 22.
Space discharge device. E. S. Purington. 2,239,303; Apr. 22.
Spacing means for traffic and guard rails. G. R. Burkhardt and C. W. Breed. 2,239,480; Apr. 22.
Spark plug. B. Hoppe. 2,239,561; Apr. 22.
Spectacle mounting. M. Epstein. 2,239,266; Apr. 22.
Speed control attachment for speedometers. P. H. Kolb. 2,239,328; Apr. 22.
Speed responsive control device. E. Martin and A. G. Day. 2,239,445; Apr. 22.
Speed varying device, Positively and progressively acting. L. Beschkine. 2,239,313; Apr. 22.
Spindle construction, Milling machine. L. F. Nenninger. 2,239,567; Apr. 22.
Spindle, Permanent wave. M. K. Rutledge. 2,239,119; Apr. 22.
Spouts of spouted containers, Opening the. R. W. Ferrer. 2,239,557; Apr. 22.
Spring mounting machine. F. J. Horton. 2,239,097; Apr. 22.
Spring structure. E. S. Tallmadge. 2,239,062; Apr. 22.
Spring structure, Seat. E. W. Schlappritzi. 2,239,057; Apr. 22.
Spring winding device, Vacuum-actuated. S. Milone. 2,239,334; Apr. 22.
Stabilizer for hand cameras. R. F. Pfzel. 2,239,201; Apr. 22.
Stair structure. H. A. and J. A. Michaud. 2,239,428; Apr. 22.
Stalk cutter. C. L. Wottring. 2,239,027; Apr. 22.
Steering knuckles, Making. N. C. Rendleman. 2,239,203; Apr. 22.
Stencil for tax bills, Multiple panel. H. P. Elliott. 2,239,354; Apr. 22.
Stencil, Metal frame. H. P. Elliott. 2,239,353; Apr. 22.
Step-by-step mechanism. J. W. Allen. 2,239,310; Apr. 22.
Stimulants and making same, Proliferation. G. Spertl. 2,239,345; Apr. 22.
Straightening and cementing machine, Prewelt. W. A. Wheaton. 2,238,922; Apr. 22.
Strainer, Milk. C. Ware. 2,239,132; Apr. 22.
Strop, Razor. G. O. Decker. 2,239,218; Apr. 22.

Stylus head mounting. F. D. Banning. 2,239,359; Apr. 22.
Suction cleaner. D. G. Smellie. 2,238,917; Apr. 22.
Suction cleaner. E. R. Swann. 2,239,666; Apr. 22.
Sugar from molasses, Recovery of. R. H. Cottrell and V. Jensen. 2,239,082; Apr. 22.
Sulphonamide compound in oil. D. R. Climenko. 2,238,973; Apr. 22.
Sulphonic derivatives. M. Katzman and B. R. Harris. 2,238,902; Apr. 22.
Support: *See*—
Bracket and drapery support. Flexible support.
Centering and like support. Tractor seat support.
Trolley wire support.
Support for fog lights. H. E. Powell. 2,239,015; Apr. 22.
Supporting device. H. L. Stell. 2,239,304; Apr. 22.
Surface imperfections from rods and wire, Method and means for removing. J. Statz. 2,239,580; Apr. 22.
Switch: *See*—
Electric switch. Thermostatic switch.
Electrical switch. Track switch.
Knee operated switch.
Switch and fuse block, Combined manual. S. C. Shipley and B. Cyr. 2,239,660; Apr. 22.
Switch and lock, Combination ignition. A. Trimberger and M. Frazier. 2,239,130; Apr. 22.
Switch block and switch. W. H. Frank. 2,239,419; Apr. 22.
Switch mechanism, Electrical. C. E. Powell. 2,239,624; Apr. 22.
Switch unit, Electrical. J. F. O'Brien. 2,239,654; Apr. 22.
Synchronizing device for television systems. P. Deserno. 2,238,932; Apr. 22.
System for synchronizing single phase motors. W. M. Jeffers. 2,239,101; Apr. 22.
Table: *See*—
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Vehicle tank.
Tank connection and method of construction, Vitreous enamel. O. E. Uecker. 2,239,509; Apr. 22.
Tape, Heat insulating. W. F. Astley. 2,239,281; Apr. 22.
Tape, Insulating. C. Mosier and J. L. Mohun, Jr. 2,239,293; Apr. 22.
Tassel. C. S. Felch. 2,239,356; Apr. 22.
Telemetric controller for dependent quantities. R. P. Lowe. 2,239,157; Apr. 22.
Teleobjective, Photographic. R. Richter. 2,239,538; Apr. 22.
Telescope, Sighting. R. Reason. 2,239,469; Apr. 22.
Temperature responsive apparatus. J. A. Spencer. 2,239,541; Apr. 22.
Terpene-cyanoacyl compounds and producing same. J. N. Borglin. 2,239,495–6; Apr. 22.
Textile device. C. M. Croft and F. G. Dodge. 2,238,992; Apr. 22.
Thermostatic control. J. A. Spencer. 2,239,540; Apr. 22.
Thermostatic switch. F. C. Evans. 2,238,881; Apr. 22.
Thread, Making multiform rubber. R. G. James and S. F. Smith. 2,238,885; Apr. 22.
Ticket and the like, Price. J. B. Carroll. 2,238,990; Apr. 22.
Ticket issuing machine. J. Sloan. 2,239,060; Apr. 22.
Time delay device, Electric. F. G. Albin. 2,238,987; Apr. 22.
Timing device for fuel injection pumps. J. H. Bertram. 2,239,587; Apr. 22.
Tire building apparatus. H. C. Bostwick. 2,239,453; Apr. 22.
Tire chain. H. C. Hegelheimer. 2,238,883; Apr. 22.
Tire, Nonskid. O. C. Work and M. C. Overman. 2,239,070; Apr. 22.
Tobacco guiding machine. K. A. Körber. 2,238,979; Apr. 22.
Tobacco humidifier element. H. Sekl. 2,239,628; Apr. 22.
Tool: *See*—
Adjustable boring tool. Machine tool.
Cementing tool. Plaster cutting tool.
Cobbler's tool.
Tool. J. L. Adams. 2,239,072; Apr. 22.
Tool post and holder. B. J. Carr. 2,239,166; Apr. 22.
Towing attachment. G. Haniquet. 2,239,320; Apr. 22.
Track switch. W. Elchelberger. 2,238,995; Apr. 22.
Tractor frame, Removable implement carrying. H. P. Mee. 2,239,332; Apr. 22.
Tractor seat support. B. A. Watson. 2,239,208; Apr. 22.
Trailer, Dual axle truck. K. J. W. Freitag. 2,239,286; Apr 22.
Transmission, Automatic. J. F. Werder. 2,239,182; Apr. 22.
Transmission mechanism for lathes. W. F. Groene and H. C. Kemper. 2,239,443; Apr. 22.
Transmission system. O. E. Szekely. 2,239,129; Apr. 22.
Trim supporting element and attachment. A. H. Haberstump. 2,239,318; Apr. 22.
Trolley wire support. C. O. Sparhawk. 2,239,656; Apr. 22.
Truck, Engine. H. W. St. John. 2,239,658; Apr. 22.
Truck, Railway. D. S. Barrows. 2,239,494; Apr. 22.
Truss. J. H. and A. Mergehenn. 2,239,616; Apr. 22.
Tube: *See*—
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Tube amplifier, Thermionic. R. W. Gilbert. 2,239,362; Apr. 22.
Tube bending machine, Gaseous. D. F. Sawyer. 2,239,055; Apr. 22.
Tuber for plastic materials. A. L. Wallace. 2,239,408; Apr. 22.
Tuning mechanism for radio receiving sets. A. S. Wells. 2,239,067; Apr. 22.
Typewriter carrying case. W. A. Dobson. 2,239,597; Apr. 22.
Typewriting machine. J. L. Carpenter. 2,239,643; Apr. 22.
Ultra high frequency generator. V. E. Worden and R. V. Carroll. 2,239,069; Apr. 22.
Uncoupling device. O. K. Kjolseth. 2,239,427; Apr. 22.
Underframe construction. N. A. Thunstrom. 2,239,634; Apr. 22.
Undergarment. D. Blair. 2,239,516; Apr. 22.
Undertaker's apparatus. J. T. De Laney. 2,238,931; Apr. 22.
Uniflow valve. G. S. Allin. 2,239,139; Apr. 22.
Valve: *See*—
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Check valve. Uniflow valve.
Mixing valve.
Pressure relief or unloading valve.
Valve. C. A. Olson. 2,239,271; Apr. 22.
Valve and making the same, Oil well pump. R. R. Hause. 2,239,321; Apr. 22.
Valve assembly, Tank. N. E. Class. 2,239,590; Apr. 22.
Valve converting apparatus, Electric. B. D. Bedford. 2,239,437; Apr. 22.
Valve for invertible tanks, Multiple. 2,239,098; Apr. 22.
Valve gear. G. C. White. 2,239,137; Apr. 22.
Valve mechanism, Control. M. N. Stadlin. 2,239,657; Apr. 22.
Vapor, Condensing magnesium. T. H. McConica, III. 2,238,908; Apr. 22.
Vapors, Condensation of metal. T. H. McConica, III, and C. E. Nelson. 2,238,907; Apr. 22.
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Power operated vehicle.
Vehicle. J. Dauben. 2,238,879; Apr. 22.
Vehicle body construction, Reinforced. W. B. Fageol. 2,239,089; Apr. 22.
Vehicle tank. O. N. Gredell. 2,239,442; Apr. 22.
Vehicle tank. F. Pierce. 2,239,507; Apr. 22.
Vehicular system. M. Mallory. 2,239,395; Apr. 22.
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Ventilating device. G. R. Shaw. 2,239,255; Apr. 22.
Vine pulling attachment for potato diggers. J. H. Hetzel. 2,239,458; Apr. 22.
Vinyl resin emulsion. C. O. Strother. 2,238,956; Apr. 22.
Visor, Motor vehicle. J. R. Magness. 2,239,240; Apr. 22.
Voting machine. R. F. Shoup. 2,238,950; Apr. 22.
Wall construction, Paneled. W. J. Aull, Jr., and G. L. West. 2,239,545; Apr. 22.
Wall structure. G. E. Swenson. 2,239,127; Apr. 22.
Wall table, R. D. Gordon. 2,239,225; Apr. 22.
Warmer, Food. M. P. Duke. 2,239,500; Apr. 22.
Washing machine, Wall and ceiling. H. D. Willard. 2,239,183; Apr. 22.
Water motor. G. A. Tower. 2,239,064; Apr. 22.
Water propelling device. A. Rober. 2,239,016; Apr. 22.
Wave recording and reproduction. J. O. Kleber and L. Thompson. 2,239,042; Apr. 22.
Weed puller. L. H. Lindemann. 2,239,108; Apr. 22.
Welder control system. F. H. Roby. 2,239,053; Apr. 22.
Welding. C. A. Cadwell. 2,238,926; Apr. 22.
Welding current, Terminating the flow of arc. R. O. L. Serekx. 2,239,577; Apr. 22.
Welding method and flux for the same. W. M. Rogerson. 2,239,018; Apr. 22.
Welding rod. A. Nepoti. 2,239,465; Apr. 22.
Well drill. L. W. Krall. 2,239,106; Apr. 22.
Well washing apparatus. P. W. Appleby. 2,239,586; Apr. 22.
Wells, Drilling. A. D. Garrison. 2,239,647; Apr. 22.
Wells, Drilling submarine. F. C. Laurie. 2,239,531; Apr. 22.
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Wheel. B. L. Mills. 2,239,463; Apr. 22.
Wheel disk and wheel assembly. G. A. Lyon. 2,239,366; Apr. 22.
Wheel disk mounting. G. A. Lyon. 2,239,367; Apr. 22.
Wheel housing assembly, Fender. G. W. Schatzmann and C. F. Purdy. 2,239,373; Apr. 22.
Winding machine. E. J. Abbott. 2,238,923; Apr. 22.
Window and light screen therefor, Multiglazed. P. E. Knudsen. 2,239,528; Apr. 22.
Window construction. S. F. Cox and P. E. Knudsen. 2,239,517; Apr. 22.
Window socket wrench. J. F. and R. J. Butler. 2,239,548; Apr. 22.

Window structure, Double glazed. S. Madsen. 2,239,173; Apr. 22.
Wire connector. O. F. Tullman. 2,239,258; Apr. 22.
Wood, Saccharification of. R. L. Hasche. 2,239,095; Apr. 22.
Workpieces, Method of and apparatus for operating on. C. A. Waldsmith. 2,238,921; Apr. 22.
Wrapping machine. W. H. Sergent. 2,239,375; Apr. 22.
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Writing machine, Power-driven. O. J. Sundstrand. 2,239,023; Apr. 22.
X-ray cassette changer. P. N. Carl. 2,239,219; Apr. 22.
Yarn and producing it, Novelty. A. A. Forster. 2,239,601; Apr. 22.
Yoke and shaft assembly. H. A. Cutting. 2,239,192; Apr. 22.

CLASSIFICATION OF PATENTS

ISSUED APRIL 22, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Vitamin preparation. Serial No. 441,802; Apr. 29. Class 6.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Coats and suits. Serial No. 441,296; Apr. 29. Class 39.

Altman, B., & Co., New York, N. Y. Bathing suits, sweaters, hats, etc. Serial No. 434,591; Apr. 29. Class 39.

American Optical Company, Southbridge, Mass. Sunglasses, sunglass lenses and blanks for such lenses. Serial No. 441,298; Apr. 29. Class 26.

Antoine de Paris, Inc., New York, N. Y. Lipsticks, lipstick refills, eau de cologne, etc. Serial No. 440,975; Apr. 29. Class 6.

Atkins, William O., Pomeroy, Ohio. Baby chicks. Serial No. 439,613; Apr. 29. Class 46.

Ballard & Ballard Company, Incorporated, doing business as New South Flour Co., Louisville, Ky. Wheat flour. Serial No. 438,920; Apr. 29. Class 46.

Beaumart Co., New York, N. Y. Dresses, suits, skirts, etc. Serial No. 441,191; Apr. 29. Class 39.

Belber Trunk and Bag Company, Woodbury, N. J. Traveling bag. Serial No. 441,465; Apr. 29. Class 3.

Belding Heminway Co., New York, N. Y. Printed rayon and acetate cloth in the piece. Serial No. 440,533; Apr. 29. Class 42.

Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. Serial No. 440,310–11; Apr. 29. Class 19.

Bon Marche, The. (See Allied Stores Corporation.)

Borden Company, The, New York, N. Y. Pasteurized cheese food mixture. Serial No. 440,538; Apr. 29. Class 46.

Bourjois, Inc., New York, N. Y. Perfume, toilet water, eau de cologne, etc. Serial No. 441,123; Apr. 29. Class 6.

Bradley, Milton, Company, Springfield, Mass. Table game. Serial No. 441,601; Apr. 29. Class 22.

Brown, Victor, Undies, Inc., New York, N. Y. Slips, petticoats, and camisoles. Serial No. 441,014; Apr. 29. Class 39.

Buntly Frocks, Inc., New York, N. Y. Dresses and dress and jacket ensembles. Serial No. 440,797; Apr. 29. Class 39.

Cable Raincoat Company, Boston, Mass. Sportwear. Serial No. 440,404; Apr. 29. Class 39.

Caldwell, Harriett, doing business as Conga Cola Co., Forest Hills, N. Y. Non-alcoholic beverages and syrups. Serial No. 428,148; Apr. 29. Class 45.

California Rice Products Company. (See Yonan-Malek, M.)

Canada Dry Ginger Ale Incorporated, New York, N. Y. Whiskey. Serial No. 440,851; Apr. 29. Class 49.

Capewell Manufacturing Company, The, Hartford, Conn. Hack saw blades. Serial No. 441,229; Apr. 29. Class 23.

Capillis, Inc., Brooklyn, N. Y. Dandruff remover and scalp stimulant. Serial No. 440,741; Apr. 29. Class 6.

Celanese Corporation of America, New York, N. Y. Underwear, outerwear, men's hose, etc. Serial No. 440,189; Apr. 29. Class 39.

Celanese Corporation of America, New York, N. Y. Swimming trunks, sport shirts, gym shirts. Serial No. 440,442; Apr. 29. Class 39.

Celanese Corporation of America, New York, N. Y. Swimming trunks, sport shirts, gym shirts, etc. Serial No. 440,444; Apr. 29. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 441,307; Apr. 29. Class 42.

Century Radio Co. Inc., Philadelphia, Pa. Record discs and play back and cutting needles. Serial No. 439,961; Apr. 29. Class 36.

Chase, Jules, doing business as Chase Underwear Co., New York, N. Y. Panties. Serial No. 440,489; Apr. 29. Class 39.

Chicago Belting Company, Chicago, Ill. Synthetic rubber packing. Serial No. 441,308; Apr. 29. Class 35.

Chicago Dietetic Supply House, Inc., The, Chicago, Ill. Medicinal preparations. Serial No. 435,749; Apr. 29. Class 6.

Columbia Ribbon & Carbon Manufacturing Co., Inc., Glen Cove, N. Y. Carbon paper. Serial No. 441,763; Apr. 29. Class 11.

Commercial Solvents Corporation, New York, N. Y. Antifreeze composition. Serial Nos. 441,048–9; Apr. 29. Class 6.

Conga Cola Co. (See Caldwell, Harriett.)

Continental Blade Corporation, Brooklyn, N. Y. Razors and razor blades. Serial No. 441,350; Apr. 29. Class 23.

Davison Chemical Corporation, The, Baltimore, Md. Plug or article for use in positioning in cylinder heads. Serial No. 437,060; Apr. 29. Class 23.

Davison Chemical Corporation, The, Baltimore, Md. Plug or article for use in positioning in cylinder heads. Serial No. 437,196; Apr. 29. Class 23.

Day & Night Manufacturing Company, Monrovia, Calif. Gas and oil burning water heaters. Serial No. 440,920; Apr. 29. Class 34.

Delegation of Meat Packers of Poland, Inc., New York, N. Y. Canned cooked ham. Serial No. 440,497; Apr. 29. Class 46.

Dodson, Leon D., Kew Gardens, L. I., N. Y. Books. Serial No. 433,777; Apr. 29. Class 37.

Domeco, Pedro, y Cia., Jerez de la Frontera, Spain. Wines. Serial No. 436,598; Apr. 29. Class 47.

Dri-Ped Limited, Bolton, England. Leather and skins. Serial No. 432,246; Apr. 29. Class 1.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras. Serial No. 441,280; Apr. 29. Class 26.

Edison Brothers Stores, Inc., St. Louis, Mo. Shoes. Serial No. 440,925; Apr. 29; Class 39.

Federated Foods, Inc., Chicago, Ill. Bathroom tissue. Serial No. 441,051; Apr. 29. Class 37.

Fetterman, Oscar B., doing business as Stikit Wikit Company, Washington, D. C. Fence wickets. Serial No. 440,716; Apr. 29. Class 13.

Fleischmann, E. M., Distilling Corp., Lansdowne and Baltimore, Md. Whiskey. Serial Nos. 440,981–2; Apr. 29. Class 49.

Fruit Industries, Ltd., San Francisco, Calif., and New York, N. Y. Wines. Serial Nos. 440,240–1; Apr. 29. Class 47.

Galagaiters Manufacturing Co. (See Lindner, Erwin E.)

General Aniline & Film Corporation, New York, N. Y. Light-sensitive photographic material. Serial No. 441,284; Apr. 29. Class 26.

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 439,341; Apr. 29. Class 46.

Genoa Fisheries, Inc., Boston, Mass. Fresh and frozen fish fillets. Serial No. 433,968; Apr. 29. Class 46.

Gernes Garment Company, Inc., Kansas City, Mo. Dresses, playsuits, skirts, etc. Serial No. 440,685; Apr. 29. Class 39.

Globe Roofing Products Co., Inc., Chicago, Ill. Insulated siding. Serial No. 436,646; Apr. 29. Class 12.

Goldfarb, Samuel J., New York, N. Y. Dresses and coats. Serial No. 440,985; Apr. 29. Class 39.

Green & Green, Houston, Tex. Extracts, syrups, and concentrates. Serial No. 441,317; Apr. 29. Class 45.

Arnold, Hoffman & Co. Incorporated, Providence, R. I. Chemical products. Serial No. 440,903; Apr. 29. Class 6.

International Braid Company, Providence, R. I. Tapes and braids. Serial No. 441,021; Apr. 29. Class 40.

International Correspondence Schools, Scranton, Pa. Printed books and other printed publications. Serial No. 436,570; Apr. 29. Class 38.

J. A. Folger & Company, Kansas City, Mo. Coffee. Serial No. 439,435; Apr. 29. Class 46.

Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. Serial No. 441,436; Apr. 29. Class 28.

Jefferson Electric Company, Bellwood, Ill. Electrical transformers. Serial No. 436,473; Apr. 29. Class 21.

Jelenko, J. F., & Co. Inc., New York, N. Y. Dental impression and rebasing material. Serial No. 441,472; Apr. 29. Class 44.

Kelly-Wheaton Company, Toledo, Ohio. Dispensing tools. Serial No. 437,039; Apr. 29. Class 23.

Leutheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 417,378; Apr. 29. Class 6.

Levy, Munder & Wiener, Inc., New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 441,209; Apr. 29. Class 39.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. Serial No. 441,475; Apr. 29. Class 14.

Lindner, Erwin E., doing business as Galagaiters Manufacturing Co., New York, N. Y. Spats. Serial No. 437,042; Apr. 29. Class 39.

Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind, hardware. Serial No. 440,629–30; Apr. 29. Class 13.

Low, Marshall, Elizabeth, N. J. Salve. Serial No. 441,211; Apr. 29. Class 6.

Manet, Mona, Inc., New York, N. Y. Skin freshener, astringent, face and skin creams, etc. Serial No. 441,583; Apr. 29. Class 6.

Marshall-Wells Company, Duluth, Minn. Generators, spark plugs, generator brushes, etc. Serial No. 435,801; Apr. 29. Class 21.

McGraw Electric Company, Elgin, Ill. Advertising display stands. Serial No. 436,276; Apr. 29. Class 32.

Merck & Co., Inc., Rahway, N. J. Medicinal preparation. Serial No. 441,027; Apr. 29. Class 6.

Merz & Co. Chemical Works, Inc., East Orange, N. J. Greaseless skin medication. Serial No. 440,695; Apr. 29. Class 6.

Merz & Co. Chemical Works, Inc., East Orange, N. J. Cosmetic preparation. Serial No. 440,701; Apr. 29. Class 6.

Michelson, A., doing business as National Citrus & Produce Co., Los Angeles, Calif. Fresh citrus fruit. Serial No. 440,728; Apr. 29. Class 46.
Mitchell, F., (Chemist) Limited, Bradford, England. Deodorisers. Serial No. 436,854; Apr. 29. Class 6.
Myrtle Knitting Mills, Incorporated, Unionville, Conn. Jackets. Serial No. 439,761; Apr. 29. Class 39.
National Citrus & Produce Co. (See Michelson, A.)
National Distillers Products Corporation, New York, N. Y. Wine. Serial No. 441,139; Apr. 29. Class 47.
National Oil Products Company, Harrison, N. J. Blend of fish oils and fish liver oils. Serial No. 436,435; Apr. 29. Class 46.
New South Flour Co. (See Ballard & Ballard Company, Incorporated.)
Nion Corporation, Los Angeles, Calif. Iron and B complex combination. Serial No. 441,624; Apr. 29. Class 6.
Ohio Match Company, The, Wadsworth, Ohio. Steel wool and soap cleaning pads. Serial No. 441,323; Apr. 29. Class 4.
Old Hickory Furniture Company, Martinsville, Ind. Furniture. Serial No. 441,033; Apr. 29. Class 32.
Orefraction Incorporated, Pittsburgh, Pa. Minerals and ore concentrates. Serial No. 433,260; Apr. 29. Class 1.
Pako Corporation, Minneapolis, Minn. Photographic apparatus and equipment. Serial No. 440,019; Apr. 29. Class 26.
Parrabère, Fernando, Montevideo, Uruguay. Vermuth and other wines. Serial No. 440,548; Apr. 29. Class 47.
Passaic Analytical Laboratories, Inc., Passaic, N. J. Preparation for treatment of poison ivy and athlete's foot. Serial No. 441,443; Apr. 29. Class 6.
Patterson Publishing Company, Chicago, Ill. Section of a periodical. Serial No. 429,745; Apr. 29. Class 38.
Peerless Carbon Black Company, The, Pittsburgh, Pa. Black carbon pigment used in carbon paper, and typewriter ribbon industries. Serial No. 441,485; Apr. 29. Class 11.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Underwear, hosiery, belts, etc. Serial No. 429,666; Apr. 29. Class 39.
Polaroid Corporation, Cambridge, Mass. Electric lamps. Serial No. 439,556; Apr. 29. Class 21.
Posadas, Daniel G., Buenos Aires, Argentina. Casein. Serial No. 440,577; Apr. 29. Class 1.
Power Pack Piston Company, Chicago, Ill. Pistons. Serial No. 432,405; Apr. 29. Class 23.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 441,034; Apr. 29. Class 6.
Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Artificial filaments and plastic sheet material. Serial No. 440,833; Apr. 29. Class 1.
Reilly, Frank C., New York, N. Y. Spark plugs. Serial No. 441,214; Apr. 29. Class 21.
Roma Wine Company, Inc., Fresno, Calif. Wines. Serial No. 440,757; Apr. 29. Class 47.
Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. Serial No. 439,115; Apr. 29. Class 46.
Safer, Louis, Co., Inc., New York, N. Y. Suits, trousers, jackets, etc. Serial No. 441,329; Apr. 29. Class 39.
Sanders, Albert R. Madison, Wis. Women's leg ornaments to be worn under hosiery. Serial No. 433,726; Apr. 29. Class 40.
Sandess Manufacturing Company, Philadelphia, Pa. Clothing. Serial No. 439,177; Apr. 29. Class 39.
Searle, G. D., & Co., Chicago, Ill. Medicinal preparation. Serial No. 440,957; Apr. 29. Class 6.
Shu-Milk Products Corporation, Passaic, N. J. Combination bottle cap and brush. Serial No. 439,671-2; Apr. 29. Class 50.
Sigler, Charles E., & Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 441,261; Apr. 29. Class 42.
Sorg Paper Co., The, Middletown, Ohio. Toilet tissue, wrapping paper, printing paper, etc. Serial No. 441,083; Apr. 29. Class 37.
Southland Wine Corporation, Richmond, Va. Wines. Serial No. 440,099; Apr. 29. Class 47.
Squirt Company, The, Beverly Hills, Calif. Fresh citrus fruits and canned fruit juices. Serial No. 441,218; Apr. 29. Class 46.
Squirt Company, The, Beverly Hills, Calif., and Milwaukee, Wis. Non-alcoholic beverages and bases and concentrates and sirups and extracts for making same. Serial No. 441,452; Apr. 29. Class 45.
Star-Maid Dresses, Inc., New York, N. Y. Dresses, blouses, skirts, etc. Serial No. 440,565; Apr. 29. Class 39.
Steckler, Nat P., New York, N. Y. Ear drum protectors, eye cups, throat swabs, etc. Serial No. 415,196; Apr. 29. Class 44
Stern, Merritt Co., Inc., New York, N. Y. Neckties. Serial No. 438,817; Apr. 29. Class 39.
Stewart-Warner Corporation, Chicago, Ill. Fluid operated jacks. Serial No. 428,934; Apr. 29. Class 23.
Stikit Wikit Company. (See Fetterman, Oscar B.)
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. Serial No. 441,064; Apr. 29. Class 37.
Superkleen Co., New York, N. Y. Chemical compounds for removing stains. Serial No. 441,038; Apr. 29. Class 4
Swank, Inc., Attleboro, Mass. Jewelry. Serial No. 441,354; Apr. 29. Class 28.
Tenney, Albert B., Boston, Mass. Outdoor furniture. Serial No. 441,836; Apr. 29. Class 32.
Texco Battery Charger Company, Inc., Dallas, Tex. Electric battery chargers. Serial No. 441,379; Apr. 29. Class 21.
Tomlinson of High Point, HIgh Point, N. C. Articles of furniture. Serial No. 418,456; Apr. 29. Class 32.
Transogram Company, Inc., New York, N. Y. Toy crayon sets, toy paint sets, and toy marking chalk. Serial No. 441,265; Apr. 29. Class 22.
United States Smelting Refining and Mining Company, Boston, Mass. Zinc in slabs or pigs. Serial No. 440,843; Apr. 29. Class 14.
Universal Trunk Company, Chicago, Ill. Trunks, suitcases and traveling bags. Serial No. 440,895; Apr. 29. Class 3.
Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 441,295; Apr. 29. Class 42.
Vanity Fair Silk Mills, Reading, Pa. Underwear and sleeping garments. Serial No. 439,131; Apr. 29. Class 39.
Wechsler, Jacob, & Sons, Inc., New York, N. Y. Suspenders, belts, and garters. Serial No. 439,954; Apr. 29. Class 39.
Wellington Sears Company, Incorporated, New York, N. Y. Piece goods. Serial No. 434,957; Apr. 29. Class 42.
Wiedlich Sterling Spoon Co., Bridgeport, Conn. Silverware. Serial No. 439,061; Apr. 29. Class 28.
Wohl Shoe Company, St. Louis, Mo. Shoes. Serial No. 437,792; Apr. 29. Class 39.
Yonan-Malek, M., doing business as California Rice Products Company, San Francisco, Calif. Canned cooked rice. Serial No. 440,482; Apr. 29. Class 46.
Zagat, Samuel, Lakeside, Conn. Range finders for cameras. Serial No. 438,254; Apr. 29. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Veterinary preparation for treatment of mange. 387,077; Apr. 29; Serial No. 439,326; published Feb. 11, 1941. Class 6.
Addressograph-Multigraph Corporation. (See American Multigraph Sales Company, assignor.)
Agro-Chem Laboratories, Inc., Toledo, Ohio. Compositions comprising essentially vitamin B_1 for enhancing the growth of plants, etc. 386,944; Apr. 29; Serial No. 430,585; published July 2, 1940. Class 10.
Air Reduction Company, Incorporated, assignor to Air Reduction Sales Company, New York, N. Y. Oxygen, acetylene, and nitrogen. 146,156; renewed Sept. 6, 1941
Allen, Mark W., & Co., Detroit, Mich. Perfume, toilet water, face-powder, etc. 145,591; renewed Aug. 16, 1941.
American Chicle Company. (See Hoadley, Edward J. assignor.)
American Multigraph Sales Company, assignor by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machines and parts thereof. 146,163; renewed Sept. 6, 1941.
American Olette Manufacturing Company. (See Maguire, Michael T.)
American Radiator Company, East Orange, N. J., and Chicago, Ill., assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Steam and hot-water radiators. 140,546; renewed Mar. 22, 1941.
American Sponge and Chamois Company, Inc., New York, N. Y. Chamois skins and imported and domestic leather skins. 386,947; Apr. 29; Serial No. 432,502; published Feb. 18, 1941. Class 1.
Ames Baldwin Wyoming Co. (See Pittsburgh Shovel Company, assignor.)
An-Our Co., The. (See Thurnauer, Max H.)
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 386,923; Apr. 29; Serial No. 424,190; published Dec. 26, 1939. Class 6.
Atlas Underwear Company, The, Piqua, Ohio. Undergarments. 386,915; Apr. 29; Serial No. 394,570; published Feb. 18, 1941. Class 39.
Audley Engineering Company Limited, Newport, England. Cast iron alloys. 386,936; Apr. 29; Serial No. 427,953; published Mar. 26, 1940. Class 14.
Automatic Electrical Devices Company, Cincinnati, Ohio. Electrical discharge devices for the generation of ozone. 387,097; Apr. 29. Class 21.
Baker, H. A., Inc., assignor, by mesne assignments, to Washington Packers, Inc., Sumner, Wash. Canned fruits, canned berries, and canned vegetables. 141,315; renewed Apr. 19, 1941.
Bakers Research Bureau, Division of Bud Fox Enterprises, Inc., New York, N. Y. Food preparation. 386,924; Apr. 29; Serial No. 424,678; published Feb. 18, 1941. Class 46.

Barber-Hilby Manufacturing Company, The. (See Hilby, Florence M.)
Barnes Drill Co., Rockford, Ill. Machine tools. 387,094; Apr. 29. Class 23.
Beck, Otto, doing business as Norm Company, Englewood, N. J. Medical capsule. 387,035; Apr. 29; Serial No. 438,680; published Feb. 18, 1941. Class 6.
Bendix, Jacob, New York, N. Y. Compound used in the finishing of textile fabrics, etc. 387,116; Apr. 29. Class 6.
Beneville, Roland G., doing business as Florozone Company, Brooklyn, N. Y. Aromatic disinfectants, germicide, and deodorizer. 386,966; Apr. 29; Serial No. 436,414; published Feb. 11, 1941. Class 6.
Bennett Foods Co., doing business as Zest Foods Co., Baltimore, Md. Horse radish dressing. 386,997; Apr. 29; Serial No. 438,060; published Feb. 18, 1941. Class 46.
Berst-Forster-Dixfield Company, New York, N. Y. Paper plates. 387,036; Apr. 29; Serial No. 438,682; published Feb. 18, 1941. Class 2.
Beyer, Richard J. (See Maguire, Michael T., assignor.)
Binney & Smith Co., New York, N. Y. Carbon black. 387,019; Apr. 29; Serial No. 438,467; published Feb. 11, 1941. Class 6.
Bondicator Company, Inc., The, New York, N. Y. Record sheets and binders therefor. 386,974; Apr. 29; Serial No. 437,082; published Feb. 18, 1941. Class 37.
Botany Worsted Mills, Passaic, N. J. Piece goods. 387,007; Apr. 29; Serial No. 438,263; published Feb. 18, 1941. Class 42.
Breslauer, A., Co., New York, N. Y. Skin texture cream, pore and complexion cream, herbal oil, etc. 386,946; Apr. 29; Serial No. 432,422; published Feb. 11, 1941. Class 6.
Brown, Victor, Undies, Inc., New York, N. Y. Shoulder straps for women's undergarments. 387,008; Apr. 29; Serial No. 438,264; published Feb. 18, 1941. Class 40.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Toilet seats. 386,973; Apr. 29; Serial No. 436,920; published Feb. 18, 1941. Class 13.
Buchbinder, I., New York, N. Y. Women's hats. 386,931; Apr. 29; Serial No. 426,971; published Feb. 18, 1941. Class 39.
Bussmann Manufacturing Company, St. Louis, Mo. Electric fuses and cut-outs. 132,907; renewed July 6, 1940.
Buxton, Incorporated, Springfield, Mass. Wallets, pocketbooks, and pocket cases. 387,037; Apr. 29; Serial No. 438,684; published Feb. 18, 1941. Class 3.
Caldwell, Dr. W. B., Inc., Monticello, Ill. Preparation for the treatment of constipation and digestive disorders. 387,045; Apr. 29; Serial No. 438,790; published Feb. 18, 1941. Class 6.
California Packing Corporation, San Francisco, Calif. Canned fruits, berries, and vegetables. 146,192; renewed Sept. 6, 1941.
California Packing Corporation. (See Seacoast Canning Co., assignor.)
California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 387,084; Apr. 29; Serial No. 439,458; published Feb. 18, 1941. Class 6.
Carpenter Steel Company, The, Reading, Pa. Tool steel. 387,071; Apr. 29; Serial No. 439,094; published Feb. 18, 1941. Class 14.
Carson Pirie Scott & Company, Chicago, Ill. Lamp shades. 386,978; Apr. 29; Serial No. 437,434; published Feb. 18, 1941. Class 34.
Caston Corporation, Philadelphia, Pa. Steel barrels and drums and parts thereof. 386,926; Apr. 29; Serial No. 424,054; published Feb. 18, 1941. Class 2.
Cavendish Trading Corp., New York, N. Y. Dresses. 387,043; Apr. 29; Serial No. 438,729. Class 39.
Celanese Corporation of America, New York, N. Y. Staple fibers. 386,967; Apr. 29; Serial No. 435,679; published Feb. 18, 1941. Class 1.
Chatham Manufacturing Company, Elkin, N. C. Blankets. 387,121; Apr. 29. Class 42.
Chattanooga Plow Company, Chattanooga, Tenn., and Chicago, Ill., assignor to International Harvester Company, Chicago, Ill. Furnaces, evaporators, and parts thereof. 143,301; renewed May 31, 1941.
Chemical Processing Company. (See Jones, Ralph N.)
Cheney Brothers, South Manchester, to Cheney Brothers, Manchester, Conn. Fabrics in the piece. 141,514; renewed Apr. 26, 1941.
Chief Weavers, Inc., Albuquerque, N. Mex. Neckties. 387,046; Apr. 29; Serial No. 438,791; published Feb. 18, 1941. Class 39.
Clairol, Inc., New York, N. Y., assignor to Clairol Incorporated, Stamford, Conn. Hair dye, hair tint, shampoo, etc. 386,929; Serial No. 425,640; published Feb. 11, 1941. Class 6.
Cleveland Flux Company, The, Cleveland, Ohio. Mineral fluxes. 146,072; renewed Aug. 30, 1941.
Cluett, Peabody & Co., Inc., Troy, N. Y. Handkerchiefs. 146,199; renewed Sept. 6, 1941.
College of Electronic Medicine, San Francisco, Calif. Electromagnetic-field generators for therapeutic purposes. 387,082; Apr. 29; Serial No. 439,385; published Feb. 18, 1941. Class 44.
Colonial Salt Company, The, Akron, Ohio. Salt. 146,202; renewed Sept. 6, 1941.
Columbian Carbon Company, New York, N. Y. Inks and inking materials. 386,916; Apr. 29; Serial No. 408,010; published Feb. 25, 1941. Class 11.
Consolidated Tea Co. (See Zechnowitz, Samuel, assignor.)
Constable, Arnold, & Co., Inc., New York, N. Y. Dresses, suits, coats, etc. 386,972; Apr. 29; Serial No. 436,873; published Feb. 18, 1941. Class 39.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, rye, etc. 386,933; Apr. 29; Serial No. 427,613; published Feb. 18, 1941. Class 49.
Continental Oil Company, Ponca City, Okla. Motor oils. 386,967; Apr. 29; Serial No. 436,500; published Dec. 24, 1940. Class 15.
Continental Oil Company, Ponca City, Okla. Sulfur-bearing oxidation inhibitor. 387,013; Apr. 29; Serial No. 438,378; published Feb. 11, 1941. Class 6.
Coolerator Company, The, Duluth, Minn. Refrigerators. 387,102; Apr. 29. Class 31.
Cumberland Brewing Co., The, Cumberland, Md. Ale. 386,954; Apr. 29; Serial No. 433,734; published Feb. 18, 1941. Class 48.
Cynthia Mills, East Boston, Mass. Mercerized and otherwise-processed cotton yarns. 387,001; Apr. 29; Serial No. 438,170; published Feb. 18, 1941. Class 43.
Dallas Tank & Welding Co., Inc., Dallas, Tex. Steel tanks for butane-propane systems. 386,956; Apr. 29; Serial No. 434,556; published Feb. 18, 1941. Class 2.
Damiano, Frank, doing business as Frank's Barber Shop, Newburgh, N. Y. Hair cream. 386,945; Apr. 29; Serial No. 430,680; published Feb. 11, 1941. Class 6.
Davies-Young Soap Co., The, Dayton, Ohio. Cleaning compound. 387,038; Apr. 29; Serial No. 438,687; published Feb. 18, 1941. Class 4.
Davies-Young Soap Co., The, Dayton, Ohio. Liquid shampoo. 387,074; Apr. 29; Serial No. 439,269; published Feb. 11, 1941. Class 6.
Deutscher Zellwoll-Ring e. V., Berlin, Germany. Textile fibers. 386,942; Apr. 29; Serial No. 430,311; published Feb. 18, 1941. Class 1.
Dixie Ice Cream Company, to Dixie Ice Cream Co., Lexington, Ky., successor. Ice-cream. 144,746; renewed July 19, 1941.
Dominion Corset Company, Limited, Quebec, Quebec, Canada. Corsets, girdles, brassières. 386,939; Apr. 29; Serial No. 429,297; published Feb. 18, 1941. Class 39.
Dub's Sandwich Co. (See Vickers, Lottie G.)
Ellis, Lexey B., Jr., Memphis, Tenn., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Toothpaste. 146,217; renewed Sept. 6, 1941.
Emery and Redmond, New York, N. Y. Bed seat units, cushions, seat covers, and upholstered pillows. 386,927; Apr. 29; Serial No. 425,085; published Jan. 14, 1941. Class 32.
Endo Products, Inc., New York, N. Y. Preparation for the relief of itching pains. 387,002–3; Apr. 29; Serial Nos. 438,198–9; published Feb. 18, 1941. Class 6.
Endo Products, Inc., New York, N. Y. Preparation of anterior pituitary like sex hormone. 387,044; Apr. 29; Serial No. 438,730; published Feb. 18, 1941. Class 6.
Eutectic Welding Alloys, Inc., New York, N. Y. Metallic welding rods and metallic alloys for welding, etc. 386,989; Apr. 29; Serial No. 437,812; published Feb. 18, 1941. Class 14.
Everlast Metal Products Corp., New York, N. Y. Base metal trays, pitchers, casseroles, etc. 386,935; Apr. 29; Serial No. 427,932; published Feb. 18, 1941. Class 13.
Farmers' National Market System, Inc., Chicago, Ill., and New York, N. Y. Electrical machines. 386,943; Apr. 29; Serial No. 430,578; published June 25, 1940. Class 21.
Fashion Fur Coat Co., The, Baltimore, Md. Fur coats, jackets, and muffs. 387,112; Apr. 29. Class 39.
Federal Products Corporation, Providence, R. I. Sphygmomanometers. 142,520; renewed May 17, 1941.
Ferro Enamel Corporation, Cleveland, Ohio. Porcelain enamel frit. 386,982; Apr. 29; Serial No. 437,651; published Feb. 18, 1941. Class 1.
Fisher Products Corporation, Washington, D. C. Cleaning, scouring, and polishing material in powder form. 386,963; Apr. 29; Serial No. 435,898; published Feb. 18, 1941. Class 4.
Fleetwood Carbon & Ribbon Co. (See Rosenblum, Benjamin.)
Florozone Company. (See Beneville, Roland G.)
Ford Motor Company, Dearborn, Mich. Ashtrays. 386,932; Apr. 29; Serial No. 427,017; published Feb. 18, 1941. Class 8.
Ford Motor Company, Dearborn, Mich. Tomato juice, butter, coffee, and wheat flour. 386,965; Apr. 29; Serial No. 436,211; published Feb. 18, 1941. Class 46.
Frank's Barber Shop. (See Damiano, Frank.)
French, Thomas, & Sons, Ltd., New York, N. Y. Woven ladder web for Venetian blinds. 387,024; Apr. 29; Serial No. 438,568; published Feb. 18, 1941. Class 40.
Funk, Lee W., Jr. (See Norwood, Frederick A., assignor.)
Ganem, Cesar, Rio de Janeiro, Brazil. Lotion for the hair. 387,090; Apr. 29. Class 6.
General Chemical Company, New York, N. Y. Insecticidal oil spray. 387,078; Apr. 29; Serial No. 439,339; published Feb. 11, 1941. Class 6.
General Dyestuff Corporation, New York, N. Y. Wetting agents. 387,021–3; Apr. 29; Serial Nos. 438,537–9; published Feb. 18, 1941. Class 6.

General Paint & Varnish Co., Chicago, Ill. Paints, varnishes, and paint enamels. 387,115; Apr. 29. Class 16.

Gilmore Oil Company, Los Angeles, Calif. Storage batteries. 386,987; Apr. 29; Serial No. 437,766; published Feb. 18, 1941. Class 21.

Giurlani, A., & Bro., San Francisco, Calif. Whiskey. 386,969; Apr. 29; Serial No. 436,842; published Feb. 18, 1941. Class 49.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous liquid material, perfume base. 387,050; Apr. 29; Serial No. 438,928; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous material, odornats for textiles and rubber goods. 387,051; Apr. 29; Serial No. 438,929; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous material, odorants for sprays and insecticides. 387,052; Apr. 29; Serial No. 438,930; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Solvent, perfume ingredient. 387,053; Apr. 29; Serial No. 438,931; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous liquid material, soap base perfumes. 387,054; Apr. 29; Serial No. 438,932; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous liquid material, perfumes. 387,055–6; Apr. 29; Serial Nos. 438,933–4; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous liquid material, general odorants. 387,057–8; Apr. 29; Serial Nos. 438,936–7; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Aromatic material used as odorant or deodorant in fly sprays and insecticides. 387,059; Apr. 29; Serial No. 438,938; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous liquid material, soap base perfumes. 387,060; Apr. 29; Serial No. 438,939; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Aromatic material used as a deodorant or odorant. 387,061–2; Apr. 29; Serial Nos. 438,941–2; published Feb. 18, 1941. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous material, odornats for fly sprays and insecticides. 387,063; Apr. 29; Serial No. 438,943; published Feb. 18, 1941. Class 6.

Glass & Co. Dress Corp., New York, N. Y. Dresses, suits, blouses, etc. 387,098; Apr. 29. Class 39.

Golding Bros. Company, Inc., New York, N. Y. Piece goods. 387,067; Apr. 29; Serial No. 438,981; published Feb. 18, 1941. Class 42.

Goodman Manufacturing Company, Chicago, Ill. Electric power shovels and mucking machines. 387,114; Apr. 29. Class 23.

Goodyear Aircraft Corporation, Wilmington, Del., and Akron, Ohio. Airplanes, airships, and balloons, and structural parts thereof. 386,975–6; Apr. 29; Serial Nos. 437,168–9; published Feb. 18, 1941. Class 19.

Goodyear Aircraft Corporation, Wilmington, Del., and Akron, Ohio. Airplanes, airships, and balloons, and structural parts thereof. 386,977; Apr. 29; Serial No. 437,171; published Feb. 18, 1941. Class 19.

Gorse, Peter, South Heights, Pa. Hair and scalp tonic. 387,020; Apr. 29; Serial No. 438,477; published Feb. 11, 1941. Class 6.

Gouboud of Paris, Inc., Wheeling, W. Va. Cosmetics. 387,117; Apr. 29. Class 6.

Greene, Roy R. (See Irish, Frank C., assignor.)

Harris, Samuel A., New York, N. Y. Fountain pens. 146,576; renewed Sept. 13, 1941.

Harvey's, Inc., Washington, D. C. Oysters, clams, lobsters, scallops, etc. 386,983; Apr. 29; Serial No. 437,655; published Feb. 18, 1941. Class 46.

Hearn, James A., & Son Inc., assignor to Hearn Department Stores, Inc., New York, N. Y. Articles of clothing. 143,638; renewed June 7, 1941.

Hilby, Florence M., doing business as The Barber-Hilby Manufacturing Company, San Francisco, Calif. Sleeping garment. 386,970; Apr. 29; Serial No. 436,846; published Feb. 18, 1941. Class 39.

Hoadley, Edward J., Hartford, Conn., assignor to American Chicle Company, Long Island City, N. Y. Breath-perfume lozenges. 144,581; renewed July 12, 1941.

Holley, Andrew E., doing business as Holley Chemical Company, New York, N. Y. Paint deodorant. 387,047; Apr. 29; Serial No. 438,803; published Feb. 18, 1941. Class 16.

Hygrade Food Products Corporation, New York, N. Y. Pork meat loaf. 386,955; Apr. 29; Serial No. 434,118; published Feb. 18, 1941. Class 46.

International Harvester Company. (See Chattanooga Plow Company.)

Irish, Frank C., New York, assignor, by mesne assignments, to R. B. Greene, Suffern, N. Y. Nail-polish. 145,700; renewed Aug. 16, 1941.

Jones, Ralph N., doing business as Chemical Processing Company, Charlotte, N. C. Cotton softeners. 387,017; Apr. 29; Serial No. 438,440; published Feb. 11, 1941. Class 6.

Kahlenberg Bros. Co., Two Rivers, Wis. Crude-oil engines. 146,581; renewed Sept. 13, 1941.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Pearls. 140,410; renewed Mar. 15, 1941.

Kay & Ess Company, The, Dayton, Ohio. Paints and painters' materials. 141,988–8; renewed May 3, 1941.

Keystone Chemical Company, Inc., Cleveland, Ohio. Insecticide moth spray. 387,079; Apr. 29; Serial No. 439,346; published Feb. 11, 1941. Class 6.

Kleiman, Jacob, Brooklyn, N. Y. Nurses' uniforms. 387,025; Apr. 29; Serial No. 438,574; published Feb. 18, 1941. Class 39.

Kops Bros., assignor, by mesne assignments, to Kops Brothers, Inc., New York, N. Y. Corsets, brassières, and waists. 140,619; renewed Mar. 22, 1941.

Kraus Bros. & Co. Inc., New York, N. Y., assignor to Hiram Walker & Sons, Inc., Peoria, Ill. Whiskey. 386,914; Apr. 29; Serial No. 394,374; published Nov. 1, 1938. Class 49.

Larimer's Wine and Liquor Shop, Washington, D. C. Whiskey. 387,048; Apr. 29; Serial No. 438,847; published Feb. 18, 1941. Class 49.

Lascoff, J. Leon, & Son, New York, N. Y. Saponaceous mixture. 387,004; Apr. 29; Serial No. 438,950; published Feb. 11, 1941. Class 6.

Le Tourneau, R. G., Inc., Peoria, Ill. Earth working and construction equipment. 387,099; Apr. 29. Class 23.

Lentheric, Incorporated, New York, N. Y. Rouges and lipsticks. 386,922; Apr. 29; Serial No. 422,938; published Nov. 7, 1939. Class 6.

Lentheric, Incorporated, New York, N. Y. Lotion, powder, eau de cologne, etc. 386,981; Apr. 29; Serial No. 437,596; published Feb. 11, 1941. Class 6.

Leśniakis, Leo, New Haven, Conn. Hair tonic, hand and face cream, hand and face powder, etc. 386,951; Apr. 29; Serial No. 433,614; published Nov. 26, 1940. Class 6.

Lincoln Fabrics, Inc., New York, N. Y. Piece goods. 387,090; Apr. 29. Class 42.

Lidseen, Gustave, assignor to Gustave Lidseen, Inc., Chicago, Ill. Cutters for phonograph-needles and the like. 145,584; renewed Aug. 9, 1941.

Locke Insulator Corporation, Baltimore, Md. Abrasive and cleaning material. 386,992; Apr. 29; Serial No. 437,900; published Feb. 18, 1941. Class 4.

Loibl, Anton, G. m. b. H., Berlin, Germany. Bicycle safety reflectors. 386,964; Apr. 29; Serial No. 436,022; published Feb. 18, 1941. Class 34.

Lombard-Watson Co., Auburn, Maine. Shoes. 387,014; Apr. 29; Serial No. 438,395; published Feb. 18, 1941. Class 39.

London & Company, Inc., Elizabeth, N. J. Whiskey. 387,072; Apr. 29; Serial No. 439,201; published Feb. 18, 1941. Class 49.

Longines-Wittnauer Co. Inc., The, New York, N. Y. Watches and clocks. 386,917; Apr. 29; Serial No. 409,926; published Feb. 18, 1941. Class 27.

Lyons, Gordon V., New York, N. Y. Coats, suits, and coat and suit combinations. 387,111; Apr. 29. Class 39.

M. S. Co., to M. S. Company, Attleboro, Mass., successor. Jewelers' findings. 145,162; renewed July 26, 1941.

Maguire, Michael T., Philadelphia, Pa., assignor, by mesne assignments, to Richard J. Beyer, doing business as American Oildite Manufacturing Company, St. Louis, Mo. Preparation for leather dressing. 19,660; re-renewed June 2, 1941.

Malden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 387,092; Apr. 29. Class 39.

Maier, Charles, Valley City, N. Dak. Insecticides. 387,120; Apr. 29. Class 6.

Manders, Lawrence, doing business as Vel-Vo Products Company, San Francisco, Calif. Furniture polish. 387,107; Apr. 29. Class 16.

Marburg Brothers, Inc., New York, N. Y. Steel letterdle punches. 146,593; renewed Sept. 13, 1941.

Marchand, Charles, Company, New York, N. Y. Golden hair-wash. 144,604; renewed July 12, 1941.

Marsh, Jas. P., Corporation, Chicago, Ill. Radiator air valves. 386,937; Apr. 29; Serial No. 428,121; published Feb. 18, 1941. Class 13.

Marsh, Jas. P., Corporation, Chicago, Ill. Radiator vacuum valves. 386,938; Apr. 29; Serial No. 428,122; published Feb. 18, 1941. Class 13.

McCabe Paint and Varnish Co., New Brunswick, N. J. Textile paint. 387,026; Apr. 29; Serial No. 438,575; published Feb. 18, 1941. Class 16.

Menasha Products Company, Menasha, Wis. Wrapping sheet material. 386,991; Apr. 29; Serial No. 437,873; published Feb. 18, 1941. Class 37.

Menasha Products Company, Menasha, Wis. Wrapping paper. 387,106; Apr. 29. Class 37.

Met-L-Ink Products Co. (See Oding, William J.)

Miller, I., & Sons, Inc., Long Island City, N. Y. Shoes. 387,030; Apr. 29; Serial No. 438,698; published Feb. 18, 1941. Class 39.

Misto Manufacturing Co., Kokomo, Ind., assignor to Stanco Incorporated, New York, N. Y. Salve. 143,097; renewed May 24, 1941.

Moore & Evans, Chicago, Ill. Publications. 144,865; renewed July 19, 1941.

Morley Button Manufacturing Company, Boston, Mass., to The Morley Company, Portland, Maine, and Portsmouth, N. H., by change of name. Buttons. 144,010; renewed June 21, 1941.

Nancee Hat Shops, Inc., St. Louis, Mo. Hats. 386,993; Apr. 29; Serial No. 438,013; published Feb. 18, 1941. Class 39.

Napier-Bliss Company, The, to The Napier Company, Meriden, Conn., by change of name. Jewelry. 144,870; renewed July 19, 1941.

National Carbon Company, Inc., New York, N. Y. Dry batteries. 146,306; renewed Sept. 6, 1941.

National Cash Register Company, The, Dayton, Ohio. Printing ink, ink pads, ink ribbons, etc. 386,968; Apr. 29; Serial No. 436,576; published Nov. 12, 1940. Class 11.

National Ring Traveler Co., Providence, R. I. Ring travelers. 145,424; renewed Aug. 21, 1941.

Naxon Telesign Corp., Chicago, Ill. Electric signs, electric sign flashing and control devices, and /or equipment for the above. 386,919; Apr. 29; Serial No. 418,205; published June 6, 1939. Class 21.

Nazareth Waist Company, Nazareth, Pa. Waists and vests. 141,186; renewed Apr. 12, 1941.

Noll, Norman S., doing business as Paper-Lok Company, Los Angeles, Calif. Paper fastening devices. 387,105; Apr. 29. Class 23.

Norm Company. (See Beck, Otto.)

Norris Incorporated, Atlanta, Ga. Candy. 386,998; Apr. 29; Serial No. 438,146; published Feb. 18, 1941. Class 46.

Norsal Laboratories Incorporated, Abbeville, La. Nasal drops. 387,009; Apr. 29; Serial No. 438,275; published Feb. 11, 1941. Class 6.

North Pacific Nut Growers Cooperative, Dundee, Oreg. Filberts. 386,934; Apr. 29; Serial No. 427,770; published Feb. 18, 1941. Class 46.

Norway Shoe Company, Norway, Maine. Shoes. 386,952–3; Apr. 29; Serial Nos. 433,668–9; published Feb. 18, 1941. Class 39.

Norwich Pharmacal Company, The, Norwich, N. Y. Combination vitamin and mineral product. 386,990; Apr. 29; Serial No. 437,831; published Feb. 18, 1941. Class 6.

Norwood, Frederick A., doing business as Norwood Products Co., New Albany, Ind., assignor to L. W. Funk, Jr., Columbus, Ohio. Preparations for catarrh, headache, colds, etc. 387,040; Apr. 29; Serial No. 438,701; published Feb. 11, 1941. Class 6.

Oding, William J., doing business as Met-L-Ink Products Co., Lansing, Mich. Writing ink. 387,104; Apr. 29. Class 11.

Old Pioneer Distilling Co., Kansas City, Mo. Whiskey. 387,070; Apr. 29; Serial No. 439,053; published Feb. 25, 1941. Class 49.

Orba Sales Company, New Philadelphia, Ohio. New drug designed for use as a laxative. 387,015; Apr. 29; Serial No. 438,402; published Feb. 11, 1941. Class 6.

"Ormig" Organisationsmittel G. m. b. H., Firma, Berlin and Berlin-Templehof, Germany. Carbon paper. 386,925; Apr. 29; Serial No. 424,887; published Feb. 4, 1941. Class 11.

Orro Kidney Compound, New York, N. Y. Medicinal preparation. 387,113; Apr. 29. Class 6.

Ortho Products, Inc., Linden, N. J. Rubber vaginal diaphragms. 387,080; Apr. 29; Serial No. 439,358; published Feb. 18, 1941. Class 44.

Osborn, Ernest O., doing business as Osborn's Pharmacal Co., Knoxville, Iowa. Antiseptic. 386,959; Apr. 29; Serial No. 435,626; published Feb. 11, 1941. Class 6.

Ott, Roland E., Portland, Oreg. Door locks. 387,081; Apr. 29; Serial No. 439,380; published Feb. 11, 1941. Class 25.

Paper-Lok Company. (See Noll, Norman S.)

Parke, Davis & Company, Detroit, Mich. Absorbent pads. 387,083; Apr. 29; Serial No. 439,445; published Feb. 18, 1941. Class 44.

Physicians Pharmacal Company, Oklahoma City, Okla. Vitamin capsules. 387,027; Apr. 29; Serial No. 438,584; published Feb. 18, 1941. Class 6.

Pittsburgh Shovel Company, Leechburg, and Pittsburgh, Pa., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels and scoops. 143,137; renewed May 24, 1941.

Popper-Morson Co., Inc., Jersey City, N. J. Rock and brandy. 387,034; Apr. 29; Serial No. 438,665; published Feb. 18, 1941. Class 49.

Prenatone Company, Inc., The, New York, N. Y. Vitamin and mineral tonic. 386,918; Apr. 29; Serial No. 410,145; published Dec. 20, 1938. Class 6.

Procter & Gamble Company. (See Ellis, Lexey B., Jr.)

Prym, William, Inc., New York, N. Y. Common and toilet pins, safety pins, etc. 387,011; Apr. 29; Serial No. 438,354; published Feb. 18, 1941. Class 40.

Puget Sound Tackle Mfg. Co. (See Smith, Wallace E.)

Purity Confectionery Company, Boston, to Purity Confectionery Company, Somerville, Mass. Confectionery. 142,097; renewed May 3, 1941.

Renfroe, D. J., Corporation, Thomasville, Ga. Paper bags. 387,032; Apr. 29; Serial No. 438,628; published Feb. 18, 1941. Class 2.

Renouard, George A., doing business as A. Renouard & Son, New York, N. Y. Renouard crisin, a liquid disinfectant, etc. 387,109; Apr. 29. Class 6.

Robinson, Dale H., Pampa, Tex. Solution for the preservation of meats. 387,095; Apr. 29. Class 6.

Rosemary Incorporated, New York, N. Y. Mattress ticking. 386,960; Apr. 29; Serial No. 435,670; published Feb. 18, 1941. Class 42.

Rosenblum, Benjamin, doing business as Fleetwood Carbon & Ribbon Co., New York, N. Y. Inked materials. 387,101; Apr. 29. Class 11.

Rubinstein, Helena, Inc., New York, N. Y. Perfume. 386,971; Apr. 29; Serial No. 436,861; published Feb. 11, 1941. Class 6.

Sage, Peggy, Inc., Stamford, Conn. Liquid nail polishes. 387,087–9; Apr. 29; Serial Nos. 439,561–3; published Feb. 18, 1941. Class 6.

Sales Affiliates, Inc., New York, N. Y. Hair waving pads and clamps. 387,085; Apr. 29; Serial No. 439,495; published Feb. 18, 1941. Class 44.

San-Errin Laboratories, Inc., Columbus, Ohio. Nasal filters. 387,086; Apr. 29; Serial No. 439,525; published Feb. 18, 1941. Class 44.

Schmidt, Carl, Moundsville, W. Va. Liquid preparation for internal use. 387,068; Apr. 29; Serial No. 438,997; published Feb. 11, 1941. Class 6.

Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned fruits. 386,994–5; Apr. 29; Serial Nos. 438,019–20; published Feb. 18, 1941. Class 46.

Schwartz & Bluestein, Inc., New York, N. Y. Fur jackets, coats, capes, etc. 387,041; Apr. 29; Serial No. 438,707; published Feb. 18, 1941. Class 39.

Seacoast Canning Co., Eastport, Maine, and East San Pedro, Calif., assignor, by mesne assignments, to California Packing Corperation, San Francisco, Calif. Canned sardines. 145,709; renewed August 16, 1941.

Seal, Incorporated, Shelton, Conn. Heat sealing mounting tissue for photographs. 387,119; Apr. 29. Class 5.

Selby Shoe Company, The, Portsmouth, Ohio. Shoes. 386,980; Apr. 29; Serial No. 437,582; published Feb. 18, 1941. Class 39.

Shane, C. B., Corporation, Chicago, Ill. Piece goods. 386,988; Apr. 29; Serial No. 437,785; published Feb. 18, 1941. Class 42.

Sharpe & Dohme, Incorporated, Philadelphia, Pa. Synthetic alkaloid, specially phenolpropanolamine. 386,940; Apr. 29; Serial No 429,921; published Feb. 11, 1941. Class 6.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Writing fluids. 387,075; Apr. 29; Serial No. 439,296; published Feb. 25, 1941. Class 11.

Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y., to The Singer Manufacturing Company, Elizabeth, N. J. Electric motors and controllers therefor. 146,608; renewed Sept. 13, 1941.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Piece goods. 387,065; Apr. 29; Serial No. 438,962; published Feb. 18, 1941. Class 42.

Smith, Wallace E., doing business as Puget Sound Tackle Mfg. Co., Seattle, Wash. Fishing plugs. 387,093; Apr. 29. Class 22.

Snell, Rudolph, New York, N. Y. Caps and hats. 387,033; Apr. 29; Serial No. 438,633; published Feb. 18, 1941. Class 39.

Snow Crest Beverages, Inc., Salem, Mass. Beverages, and syrups and extracts for making the same. 387,073; Apr. 29; Serial No. 439,256; published Feb. 18, 1941. Class 45.

Sole D'Italia Wholesale Grocery. (See Vaccarino, Joseph.)

Southern Brighton Mills, Shannon, Ga. Artificial silk in the piece. 387,049; Apr. 29; Serial No. 438,908; published Feb. 18, 1941. Class 42.

Spurgin Manufacturing Company, Chicago, Ill. Window currency straps. 386,962; Apr. 29; Serial No. 435,819; published Feb. 18, 1941. Class 37.

Squibb, E. R., & Sons, New York, N. Y. Anti-hemorrhagic preparations. 387,006; Apr. 29; Serial No. 438,251; published Feb. 11, 1941. Class 6.

Stanco Incorporated. (See Misto Manufacturing Co., assignor.)

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Gas and propane. 387,042; Apr. 29; Serial No. 438,710; published Feb. 18, 1941. Class 6.

Standard Oil Development Company, Linden, N. J. Compounds for reducing cold tests and viscosity of oils, inhibitors of the antioxidant type for lubricating oils, etc. 387,066; Apr. 29; Serial No. 438,965; published Feb. 18, 1941. Class 6.

Stephens, Temple, Co., Moberly, Mo. Wheat flour, popped rice, popped wheat, etc. 387,108; Apr. 29. Class 46.

Stivers, Howard, doing business as Stivers Studio, San Francisco, Calif. Engravings and printing plates. 386,941; Apr. 29; Serial No. 430,000; published Feb. 18, 1941. Class 50.

Storz Brewing Company, Omaha, Nebr. Beer. 386,957; Apr. 29; Serial No. 434,677; published Oct. 22, 1940. Class 48.

Sullivan, Thomas D., Washington, D. C. Cleaner to clean and polish all kinds of glass ware. 387,069; Apr. 29; Serial No. 439,032; published Feb. 18, 1941. Class 4.

Sunnyvale Packing Co. (See Schuckl & Co., Inc.)

Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. 387,110; Apr. 29. Class 2.

Swift and Company, Chicago, Ill. Ice cream stabilizer. 386,999; Apr. 29; Serial No. 438,161; published Feb. 18, 1941. Class 46.
Sylmar Packing Corp., Los Angeles, Calif. Canned olives, fruits, and vegetables. 387,016; Apr. 29; Serial No. 438,420; published Feb. 18, 1941. Class 46.
Tamaqua Underwear Company, Inc., Tamaqua, Pa. Babies' knitted garments. 386,996; Apr. 29; Serial No. 438,055; published Feb. 18, 1941. Class 39.
Tennessee Eastman Corporation, Kingsport, Tenn. Dyes. 386,979; Apr. 29; Serial No. 437,536; published Feb. 11, 1941. Class 6.
Tetley, Joseph, & Co., Inc., New York, N. Y. Tea. 386,948; Apr. 29; Serial No. 433,076; published Feb. 18, 1941. Class 46.
Textileather Corporation, Toledo, Ohio. Thermoplastic mending adhesive tape. 387,012; Apr. 29; Serial No. 438,363; published Feb. 18, 1941. Class 5.
Thompson, Halleck M., San Francisco, Calif. Fire crackers. 386,920; Apr. 29; Serial No. 419,985; published Feb. 18, 1941. Class 9.
Thurnauer, Max H., doing business as The An-Our Co., Cincinnati, Ohio. Cleaner and stain remover. 386,949; Apr. 29; Serial No. 433,133; published Feb. 18, 1941. Class 4.
Togstad, C. I., Company, The. (See Williams, Vera P.)
Ubbelohde, Alberto, Inc., New York, N. Y. Steel sheets, bars, wire and shapes and the like. 387,028; Apr. 29; Serial No. 438,591; published Feb. 18, 1941. Class 14.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Ornamental braids and chenille. 387,000; Apr. 29; Serial No. 438,164; published Feb. 18, 1941. Class 40.
Union Broach Co., Inc., New York, N. Y. Mouth-mirrors. 146,614; renewed Sept. 13, 1941.
United States Gutta Percha Paint Company, Saco, Maine, and Providence, R. I., assignor to United States Gutta Percha Paint Company, Providence, R. I. Paints. 146,385; renewed Sept. 6, 1941.
United States Hoffman Machinery Corporation, New York, N. Y. Laundry washers, extractors and driers and the parts of laundry washers, extractors, and driers. 386,958; Apr. 29; Serial No. 435,037; published Feb 11, 1941. Class 24.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 387,018; Apr. 29; Serial No. 438,459; published Feb. 11, 1941. Class 6.
Upson-Walton Company, The, Cleveland, Ohio. Manila rope. 386,950; Apr. 29; Serial No. 433,455; published Feb. 18, 1941. Class 7.
Urban, Bertha M., Ewing, Nebr. Migraine headache preparation. 387,103; Apr. 29. Class 6.
Vaccarino, Joseph, doing business as Sole D'Italia Wholesale Grocery, Baltimore, Md. Cherry peppers in jars, red crushed pepper, lupini beans, etc. 386,928; Apr. 29; Serial No. 425,104; published Oct. 8, 1940. Class 46.
Vel-Vo Products Company. (See Manders, Lawrence.)
Vick Chemical Company, New York, N. Y. Inhalers. 386,984–5; Apr. 29; Serial Nos. 437,705–6; published Feb. 11, 1941. Class 6.
Vickers, Lottie G., doing business as Dub's Sandwich Co., Durham, N. C. Crackers, cookies, salted peanuts, etc. 387,091; Apr. 29. Class 46.
Vodicka, Frank A., doing business as Vodicka Novelty Co., Omaha, Nebr. Clothespins. 387,004; Apr. 29; Serial No. 438,224; published Feb. 25, 1941. Class 24.
Volliva, Wilbur G., assignor to Zion Industries, Inc., Zion, Ill. Hard candy mixture. 141,458; renewed Apr. 19, 1941.
Walker, Hiram, & Sons, Inc. (See Kraus Bros. & Co. Inc., assignor.)
Warner, William R., & Co., Inc., New York, N. Y. Detoxicant. 387,029; Apr. 29; Serial No. 438,594; published Feb. 18, 1941. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Compound of liver extract, vitamin B, and iron, etc. 387,030; Apr. 29; Serial No. 438,597; published Feb. 18, 1941. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Detoxicant. 387,031; Apr. 29; Serial No. 438,598; published Feb. 18, 1941. Class 6.
Washington Packers, Inc. (See Baker, H. A., Inc.)
Watchung Laboratories, Inc., Bound Brook, N. J. Preparation for the treatment of menstrual irregularities. 387,118; Apr. 29. Class 6.
Wathen, John A., Distillery Co., Louisville and Lebanon, Ky. Whiskey. 386,913; Apr. 29; Serial No. 356,749; published Mar. 17, 1936. Class 49.
Watt, George W., Woolen Co., Norristown, Pa. Woolen piece goods. 387,100; Apr. 29. Class 42.
Wavra, John A., doing business as John A. Wavra's Bakery, Chicago, Ill. Bread. 386,930; Apr. 29; Serial No. 426,235; published Feb. 18, 1941. Class 46.
White, Bernard, New York, N. Y. Ladies' and children's handbags, purses, and pocketbooks. 387,010; Apr. 29; Serial No. 438,322; published Feb. 18, 1941. Class 3.
Wild, Robert, New York, N. Y. Bread. 387,005; Apr. 29; Serial No. 438,225; published Feb. 18, 1941. Class 46.
Williams, R. C., & Company, Inc., New York, N. Y. Whiskey. 386,986; Apr. 29; Serial No. 437,750; published Feb. 18, 1941; Class 49.
Williams, Vera P., doing business as The C. I. Togstad Company, Kokomo, Ind. Chemical cleaning preparation. 386,921; Apr. 29; Serial No. 422,683; published Feb. 18, 1941. Class 4.
Windsor Products Co., Chicago, Ill. Perfumes and incense. 387,076; Apr. 29; Serial No. 439,302; published Feb. 11, 1941. Class 6.
Zechnowitz, Samuel, assignor to Consolidated Tea Co., Inc., New York, N. Y. Tea. 140,921; renewed Sept. 20, 1941.
Zest Foods Co. (See Bennett Foods Co.)
Zion Industries, Inc. (See Volliva, Wilbur G., assignor.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fibers, Textile. Deutscher Zellwoll-Ring E. V. 386,942; Apr. 29; Serial No. 430,311; published Feb. 18, 1941.
Frit, Porcelain enamel. Ferro Enamel Corporation. 386,982; Apr. 29; Serial No. 437,651; published Feb. 18, 1941.
Skins and imported and domestic leather skins, Chamois. American Sponge and Chamois Company. 386,947; Apr. 29; Serial No. 432,502; published Feb. 18, 1941.
Fibers, Staple. Celanese Corporation of America. 386,961; Apr. 29; Serial No. 435,679; published Feb. 18, 1941.

CLASS 2

Bags, Paper. D. J. Renfroe Corporation. 387,032; Apr. 29; Serial No. 438,628; published Feb. 18, 1941.
Bags, Paper. Superior-Lawrence Bag Company. 387,110; Apr. 29.
Barrels and drums and parts thereof, Steel. Caston Corporation. 386,926; Apr. 29; Serial No. 424,954; published Feb. 18, 1941.
Plates, Paper. Berst-Forster-Dixfield Company. 387,036; Apr. 29; Serial No. 438,682; published Feb. 18, 1941.
Tanks for butane-propane system, Steel. Dallas Tank & Welding Co. 386,956; Apr. 29; Serial No. 434,556; published Feb. 18, 1941.

CLASS 3

Handbags, purses, and pocketbooks, Ladies' and children's. B. White. 387,010; Apr. 29; Serial No. 438,322; published Feb. 18, 1941.
Wallets, pocket-books, and pocket cases. Buxton, Incorporated. 387,037; Apr. 29; Serial No. 438,684; published Feb. 18, 1941.

CLASS 4

Abrasive and cleaning material. Locke Insulator Corporation. 386,992; Apr. 29; Serial No. 437,900; published Feb. 18, 1941.
Cleaner and stain remover. M. H. Thurnauer. 386,949; Apr. 29; Serial No. 433,133; published Feb. 18, 1941.
Cleaner to clean and polish all kinds of glass ware. T. D. Sullivan. 387,009; Apr. 29; Serial No. 439,032; published Feb. 18, 1941.
Cleaning compound. Davies-Young Soap Co. 387,038; Apr. 29; Serial No. 438,687; published Feb. 18, 1941.
Cleaning preparation, Chemical. V. P. Williams. 386,921; Apr. 29; Serial No. 422,683; published Feb. 18, 1941.
Cleaning, scouring, and polishing material in powder form. Fisher Products Corporation. 386,963; Apr. 29; Serial No. 435,898; published Feb. 18, 1941.
Preparation for leather dressing. M. T. Maguire. 19,660; re-renewed June 2, 1941.

CLASS 5

Adhesive tape, Thermoplastic mending. Textileather Corporation. 387,012; Apr. 29; Serial No. 438,363; published Feb. 18, 1941.
Sealing mounting tissue for photographs, Heat. Seal, Incorporated. 387,119; Apr. 29.

CLASS 6

Alkaloid, Specially phenolpropanolamine, Synthetic. Sharp & Dohme, Incorporated. 386,940; Apr. 29; Serial No. 429,921; published Feb. 11, 1941.
Antiseptic. E. O. Osborn. 386,959; Apr. 29; Serial No. 435,626; published Feb. 11, 1941.
Anti-hemorrhagic preparations. E. R. Squibb & Sons. 387,006; Apr. 29; Serial No. 438,251; published Feb. 11, 1941.
Aromatic material used as a deodorant or odorant. Givaudan-Delawanna, Inc. 387,061–2; Apr. 29; Serial Nos. 438,941–2; published Feb. 18, 1941.
Aromatic material used as odorant or deodorant in fly sprays and insecticides. Givaudan-Delawanna, Inc. 387,059; Apr. 29; Serial No. 438,938; published Feb. 18, 1941.
Capsule, Medical. O. Beck. 387,035; Apr. 29; Serial No. 438,680; published Feb. 18, 1941.
Capsules, Vitamin. Physicians Pharmacal Company. 387,027; Apr. 29; Serial No. 438,584; published Feb. 18, 1941.

Carbon black. Binney & Smith Co. 387,019; Apr. 29; Serial No. 438,467; published Feb. 11, 1941.
Compound of liver extract, vitamin B, and iron, etc. William R. Warner & Co. 387,030; Apr. 29; Serial No. 438,597; published Feb. 18, 1941.
Compound used in the finishing of textile fabrics. J. Bendix. 387,116; Apr. 29.
Compounds for reducing cold tests and viscosity of oils, inhibitors of the antioxidant type for lubricating oils, etc. Standard Oil Development Company. 387,066; Apr. 29; Serial No. 438,965; published Feb. 18, 1941.
Cosmetics. Goubaud of Paris, Inc. 387,117; Apr. 29.
Cotton softeners. R. N. Jones. 387,017; Apr. 29; Serial No. 438,440; published Feb. 11, 1941.
Cream, Hair. F. Damiano. 386,945; Apr. 29; Serial No. 430,680; published Feb. 11, 1941.
Cream, pore and complexion cream, herbal oil, etc., Skin texture. A. Breslauer Co. 386,946; Apr. 29; Serial No. 432,422; published Feb. 11, 1941.
Crisin, a liquid disinfectant, etc., Renouard. G. A. Renouard. 387,109; Apr. 29.
Detoxicant. William R. Warner & Co. 387,029; Apr. 29; Serial No. 438,594; published Feb. 18, 1941.
Detoxicant. William R. Warner & Co. 387,031; Apr. 29; Serial No. 438,598; published Feb. 18, 1941.
Disinfectants, germicide and deodorizer, Aromatic. R. G. Benevtile. 386,966; Apr. 29; Serial No. 436,414; published Feb. 11, 1941.
Drug designed for use as a laxative, New. Orba Sales Company. 387,015; Apr. 29; Serial No. 438,402; published Feb. 11, 1941.
Dyes. Tennessee Eastman Corporation. 386,979; Apr. 29; Serial No. 437,536; published Feb. 11, 1941.
Gas and propane. Standard Oil Company. 387,042; Apr. 29; Serial No. 438,710; published Feb. 18, 1941.
Hair and scalp tonic. P. Gorse. 387,020; Apr. 29; Serial No. 438,477; published Feb. 11, 1941.
Hair dye, hair tint, shampoo, etc. Chairol, Inc. 386,929; Apr. 29; Serial No. 425,640; published Feb. 11, 1941.
Hair-wash, Golden. Charles Marchand Company. 144,604; renewed July 12, 1941.
Inhalers. Vick Chemical Company. 386,984–5; Apr. 29; Serial Nos. 437,705–6; published Feb. 11, 1941.
Insecticides. C. Maier. 387,120; Apr. 29.
Lipstick, rouge, face powder, etc. Associated Distributors, Inc. 386,923; Apr. 29; Serial No. 424,190; published Dec. 26, 1939.
Odoriferous liquid material, perfume base. Givaudan-Delawanna, Inc. 387,050; Apr. 29; Serial No. 438,928; published Feb. 18, 1941.
Liquid preparation for internal use. C. Schmidt. 387,068; Apr. 29; Serial No. 438,997; published Feb. 11, 1941.
Lotion for the hair. C. Ganem. 387,090; Apr. 29.
Lotion, powder, eau de cologne, etc. Lentheric, Incorporated. 386,981; Apr. 29; Serial No. 437,596; published Feb. 11, 1941.
Lozenges, Breath-perfume. E. J. Hoadley. 144,581; renewed July 12, 1941.
Medicinal preparation. Orro Kidney Compound. 387,113; Apr. 29.
Medicinal preparation. Upjohn Company. 387,018; Apr. 29; Serial No. 438,459; published Feb. 11, 1941.
Migraine headache preparation. B. M. Urban. 387,103; Apr. 29.
Mineral fluxes. Cleveland Flux Company. 146,072; renewed Aug. 30, 1941.
Nail polish. F. C. Irish. 145,700; renewed Aug. 16, 1941.
Nail polishes, Liquid. Peggy Sage, Inc. 387,087–9; Apr. 29; Serial Nos. 439,561–3; published Feb. 18, 1941.
Nasal drops. Norsal Laboratories Incorporated. 387,009; Apr. 29; Serial No. 438,275; published Feb. 11, 1941.
Odoriferous liquid material, general odorants. Givaudan-Delawanna, Inc. 387,057–8; Apr. 29; Serial Nos. 438,936–7; published Feb. 18, 1941.
Odoriferous liquid material, perfumes. Givaudan-Delawanna, Inc. 387,055–6; Apr. 29; Serial Nos. 438,933–4; published Feb. 18, 1941.
Odoriferous liquid material, soap base perfumes. Givaudan-Delawanna, Inc. 387,054; Apr. 29; Serial No. 438,932; published Feb. 18, 1941.
Odoriferous liquid material, soap base perfumes. Givaudan-Delawanna, Inc. 387,060; Apr. 29; Serial No. 438,939; published Feb. 18, 1941.
Odoriferous material, odorants for fly sprays and insecticides. Givaudan-Delawanna, Inc. 387,063; Apr. 29; Serial No. 438,943; published Feb. 18, 1941.
Odoriferous material, odorants for sprays and insecticides. Givaudan-Delawanna, Inc. 387,052; Apr. 29; Serial No. 438,930; published Feb. 18, 1941.
Odoriferous material, odorants for textiles and rubber goods. Givaudan-Delawanna, Inc. 387,051; Apr. 29; Serial No. 438,929; published Feb. 18, 1941.
Oxygen, acetylene, and nitrogen. Air Reduction Company. 146,156; renewed Sept. 6, 1941.
Parasiticides. California Spray-Chemical Corporation. 387,084; Apr. 29; Serial No. 439,458; published Feb. 18, 1941.
Perfume. Helena Rubinstein, Inc. 386,971; Apr. 29; Serial No. 436,861; published Feb. 11, 1941.
Perfume, toilet water, face-powder, etc. M. W. Allen. 145,591; renewed Aug. 16, 1941.
Perfumes and incense. Windsor Products Co. 387,076; Apr. 29; Serial No. 439,302; published Feb. 11, 1941.
Preparation for the relief of itching pains. Endo Products, Inc. 387,002–3; Apr. 29; Serial Nos. 438,198–9; published Feb. 18, 1941.
Preparation of anterior pituitary like sex hormone. Endo Products, Inc. 387,044; Apr. 29; Serial No. 438,730; published Feb. 18, 1941.
Preparation for the treatment of constipation and digestive disorders. Dr. W. B. Caldwell, Inc. 387,045; Apr. 29; Serial No. 438,790; published Feb. 18, 1941.
Preparation for the treatment of menstrual irregularities. Watchung Laboratories, Inc. 387,118; Apr. 29.
Preparations for catarrh, headache, colds, etc. F. A. Norwood. 387,040; Apr. 29; Serial No. 438,701; published Feb. 11, 1941.
Rouges and lipsticks. Lentheric, Incorporated. 386,922; Apr. 29; Serial No. 422,938; published Nov. 7, 1939.
Salve. Misto Manufacturing Co. 143,097; renewed May 24, 1941.
Saponaceous mixture. J. Leon Lascoff & Son. 387,064; Apr. 29; Serial No. 438,950; published Feb. 11, 1941.
Shampoo, Liquid. Davies-Young Soap Co. 387,074; Apr. 29; Serial No. 439,269; published Feb. 11, 1941.
Solution for the preservation of meats. D. H. Robinson. 387,095; Apr. 29.
Solvent, perfume ingredient. Givaudan-Delawanna, Inc. 387,053; Apr. 29; Serial No. 438,931; published Feb. 18, 1941.
Spray, Insecticidal oil. General Chemical Company. 387,078; Apr. 29; Serial No. 439,339; published Feb. 11, 1941.
Spray, Insecticide moth. Keystone Chemical Company. 387,079; Apr. 29; Serial No. 439,346; published Feb. 11, 1941.
Sulfur-bearing oxidation inhibitor. Continental Oil Company. 387,013; Apr. 29; Serial No. 438,378; published Feb. 11, 1941.
Tonic, hand and face cream, hand and face powder, etc., Hair. L. Lesčinskis. 386,951; Apr. 29; Serial No. 433,614; published Nov. 26, 1940.
Tonic, Vitamin and mineral. Prenatone Company. 386,918; Apr. 29; Serial No. 410,145; published Dec. 20, 1938.
Tooth-paste. L. B. Ellis, Jr. 146,217; renewed Sept. 6, 1941.
Veterinary preparation for treatment of mange. Abbott Laboratories. 387,077; Apr. 29; Serial No. 439,326; published Feb. 11, 1941.
Vitamin and mineral product, Combination. Norwich Pharmacal Company. 386,990; Apr. 29; Serial No. 437,831; published Feb. 18, 1941.
Wetting agents. General Dyestuff Corporation. 387,021–3; Apr. 29; Serial Nos. 438,537–9; published Feb. 18, 1941.

CLASS 7

Rope, Manila. Upson-Walton Company. 386,950; Apr. 29; Serial No. 433,455; published Feb. 18, 1941.

CLASS 8

Ashtrays. Ford Motor Company. 386,932; Apr. 29; Serial No. 427,017; published Feb. 18, 1941.

CLASS 9

Fire crackers. H. M. Thompson. 386,920; Apr. 29; Serial No. 419,985; published Feb. 18, 1941.

CLASS 10

Compositions comprising essentially vitamin B_1 for enhancing the growth of plants, etc. Agro-Chem Laboratories, Inc. 386,944; Apr. 29; Serial No. 430,585; published July 2, 1940.

CLASS 11

Carbon paper. "Ormig" Organisationsmittel G. m. b. H., Firma. 386,925; Apr. 29; Serial No. 424,887; published Feb. 4, 1941.
Ink, ink pads, ink ribbons, etc., Printing. National Cash Register Company. 386,968; Apr. 29; Serial No. 436,576; published Nov. 12, 1940.
Ink, Writing. W. J. Oding. 387,104; Apr. 29.
Inked materials. B. Rosenblum. 387,101; Apr. 29.
Inks and inking materials. Columbian Carbon Company. 386,916; Apr. 29; Serial No. 408,010; published Feb. 25, 1941.
Writing fluids. W. A. Sheaffer Pen Company. 387,075; Apr. 29; Serial No. 439,296; published Feb. 25, 1941.

CLASS 13

Toilet seats. Brunswick-Balke-Collender Company. 386,973; Apr. 29; Serial No. 436,920; published Feb. 18, 1941.
Trays, pitchers, casseroles, etc., Base metal. Everlast Metal Products Corp. 386,935; Apr. 29; Serial No. 427,932; published Feb. 18, 1941.
Valves, Radiator air. Jas. P. Marsh Corporation. 386,937; Apr. 29; Serial No. 428,121; published Feb. 18, 1941.
Valves, Radiator vacuum. Jas. P. Marsh Corporation. 386,938; Apr. 29; Serial No. 428,122; published Feb. 18, 1941.

CLASS 14

Alloys, Cast iron. Audley Engineering Company Limited. 386,936; Apr. 29; Serial No. 427,953; published Mar. 26, 1940.
Metallic welding rods and metallic alloys for welding, etc. Eutectic Welding Alloys, Inc. 386,989; Apr. 29; Serial No. 437,812; published Feb. 18, 1941.
Steel sheets, bars, wire and shapes and the like. Alberto Ubbelohde, Inc. 387,028; Apr. 29; Serial No. 438,591; published Feb. 18, 1941.
Steel, Tool. Carpenter Steel Company. 387,071; Apr. 29; Serial No. 439,094; published Feb. 18, 1941.

CLASS 15

Oils, Motor. Continental Oil Company. 386,967; Apr. 29; Serial No. 436,500; published Dec. 24, 1940.

CLASS 16

Paint deodorant. A. E. Holley. 387,047; Apr. 29; Serial No. 438,803; published Feb. 18, 1941.
Paint, Textile. McCabe Paint and Varnish Co. 387,026; Apr. 29; Serial No. 438,575; published Feb. 18, 1941.
Paints. United States Gutta Percha Paint Company. 146,385; renewed Sept. 6, 1941.
Paints and painters' materials. Kay & Ess Company. 141,986–8; renewed May 3, 1941.
Paints, varnishes, and paint enamels. General Paint & Varnish Co. 387,115; Apr. 29.
Polish, Furniture. L. Manders. 387,107; Apr. 29.

CLASS 19

Airplanes, airships, and balloons, and structural parts thereof. Goodyear Aircraft Corporation. 386,975–6; Apr. 29; Serial Nos. 437,168–9; published Feb. 18, 1941.
Airplanes, airships, and balloons, and structural parts thereof. Goodyear Aircraft Corporation. 386,977; Apr. 29; Serial No. 437,171; published Feb. 18, 1941.

CLASS 21

Batteries, Dry. National Carbon Company. 146,306; renewed Sept. 6, 1941.
Batteries, Storage. Gilmore Oil Company. 386,987; Apr. 29; Serial No. 437,766; published Feb. 18, 1941.
Electric motors and controllers therefor. Singer Manufacturing Company. 146,608; renewed Sept. 13, 1941.
Electrical discharge devices for the generation of ozone. Automatic Electrical Devices Company. 387,097; Apr. 29.
Electrical machines. Farmers' National Market System, Inc. 386,943; Apr. 29; Serial No. 430,578; published June 25, 1940.
Fuses and cut-outs, Electric. Bussmann Manufacturing Company. 132,907; renewed July 6, 1940.
Signs, electric sign flashing and control devices, and/or equipment for the above, Electric. Naxon Telesign Corp. 386,919; Apr. 29; Serial No. 418,205; published June 6, 1939.

CLASS 22

Fishing plugs. W. E. Smith. 387,093; Apr. 29.

CLASS 23

Cutters for phonograph-needles and the like. G. Lidseen. 145,564; renewed Aug. 9, 1941.
Engines, Crude-oil. Kahlenberg Bros. Co. 146,581; renewed Sept. 13, 1941.
Earth working and construction equipment. R. G. Le Tourneau, Inc. 387,099; Apr. 29.
Fastening devices, Paper. N. S. Noll. 387,105; Apr. 29.
Printing-machines and parts thereof. American Multigraph Sales Company. 146,163; renewed Sept. 6, 1941.
Punches, Steel letter-die. Marburg Brothers, Inc. 146,593; renewed Sept. 13, 1941.
Ring travelers. National Ring Traveler Co. 145,424; renewed Aug. 2, 1941.
Shovels and mucking machines, Electric power. Goodman Manufacturing Company. 387,114; Apr. 29.
Shovels and scoops. Pittsburgh Shovel Company. 143,137; renewed May 24, 1941.
Tools, Machine. Barnes Drill Co. 387,094; Apr. 29.

CLASS 24

Clothespins. F. Vodicka. 387,004; Apr. 29; Serial No. 438,224; published Feb. 25, 1941.
Washers, extractors and driers and parts thereof, Laundry. United States Hoffman Machinery Corporation. 386,958; Apr. 29; Serial No. 435,037; published Feb. 11, 1941.

CLASS 25

Locks, Door. R. E. Ott. 387,081; Apr. 29; Serial No. 439,380; published Feb. 11, 1941.

CLASS 27

Watches and clocks. Longines-Wittnauer Co. Inc. 386,917; Apr. 29; Serial No. 409,926; published Feb. 18, 1941.

CLASS 28

Jewelers' findings. M. S. Co. 145,162; renewed July 26, 1941.
Jewelry. Napier-Bliss Company. 144,870; renewed July 19, 1941.
Pearls. Kaufmann Department Stores, Inc. 140,410; renewed Mar. 15, 1941.

CLASS 31

Refrigerators. Coolerator Company. 387,102; Apr. 29.

CLASS 32

Bed seat units, cushions, seat covers, and upholstered pillows. Emery and Redmond. 386,927; Apr. 29; Serial No. 425,085; published Jan. 14, 1941.

CLASS 34

Furnaces, evaporators, and parts thereof. Chattanooga Plow Company. 143,301; renewed May 31, 1941.
Radiators. American Radiator Company. 140,546; renewed Mar. 22, 1941.
Reflectors, Bicycle safety. Anton Loibl G. m. b. H. 386,964; Apr. 29; Serial No. 436,022; published Feb. 18, 1941.
Shades, Lamp. Carson Pirie Scott & Company. 386,978; Apr. 29; Serial No. 437,434; published Feb. 18, 1941.

CLASS 37

Paper, Wrapping. Menasha Product Company. 387,106; Apr. 29.
Pens, Fountain. S. A. Harris. 146,576; renewed Sept. 13, 1941.
Record sheets and binders therefor. Bondicator Company. 386,974; Apr. 29; Serial No. 437,082; published Feb. 18, 1941.
Window currency straps. Spurgin Manufacturing Company. 386,962; Apr. 29; Serial No. 435,819; published Feb. 18, 1941.
Wrapping sheet material. Menasha Products Company. 386,991; Apr. 29; Serial No. 437,873; published Feb. 18, 1941.

CLASS 38

Publications. Moore & Evans. 144,865; renewed July 19, 1941.

CLASS 39

Articles of clothing. James A. Hearn & Son Inc. 143,638; renewed June 7, 1941.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Corset Company. 387,092; Apr. 29.
Caps and hats. R. Snell. 387,033; Apr. 29; Serial No. 438,633; published Feb. 18, 1941.
Coats, jackets, and muffs, Fur. Fashion Fur Coat Co. 387,112; Apr. 29.
Coats, suits, and coat and suit combinations. G. V. Lyons. 387,111; Apr. 29.
Corsets, brassières, and waists. Kops Bros. 140,619; renewed Mar. 22, 1941.
Corsets, girdles, brassières. Domino Corset Company. 386,939; Apr. 29; Serial No. 429,297; published Feb. 18, 1941.
Dresses. Cavendish Trading Corp. 387,043; Apr. 29; Serial No. 438,729; published Feb. 18, 1941.
Dresses, suits, blouses, etc. Glass & Co. Dress Corp. 387,098; Apr. 29.
Dresses, suits, coats, etc. Arnold Constable & Co. 386,972; Apr. 29; Serial No. 436,873; published Feb. 18, 1941.
Garment, Sleeping. F. M. Hilby. 386,970; Apr. 29; Serial No. 436,846; published Feb. 18, 1941.
Garments, Knitted. Tamaqua Underwear Company. 386,996; Apr. 29; Serial No. 438,055; published Feb. 18, 1941.
Handkerchiefs. Cluett, Peabody & Co. 146,199; renewed Sept. 6, 1941.
Hats. Nancee Hat Shops, Inc. 386,993; Apr. 29; Serial No. 438,013; published Feb. 18, 1941.
Hats, Women's. I. Buchbinder. 386,931; Apr. 29; Serial No. 426,971; published Feb. 18, 1941.
Jackets, coats, capes, etc., Fur. Schwartz & Bluestein, Inc. 387,041; Apr. 29; Serial No. 438,707; published Feb. 18, 1941.
Neckties. Chief Weavers, Inc. 387,046; Apr. 29; Serial No. 438,791; published Feb. 18, 1941.
Shoes. Lombard-Watson Co. 387,014; Apr. 29; Serial No. 438,395; published Feb. 18, 1941.
Shoes. L. Miller & Sons, Inc. 387,039; Apr. 29; Serial No. 438,698; published Feb. 18, 1941.
Shoes. Norway Shoe Company. 386,952–3; Apr. 29; Serial No. 433,668–9; Published Feb. 18, 1941.
Shoes. Selby Shoe Company. 386,980; Apr. 29; Serial No. 437,582; published Feb. 18, 1941.
Undergarments. Atlas Underwear Company. 386,915; Apr. 29; Serial No. 394,570; published Feb. 18, 1941.
Uniforms, Nurses'. J. Kleiman. 387,025; Apr. 29; Serial No. 438,574; published Feb. 18, 1941.
Waists and vests. Nazareth Waist Company. 141,186; renewed Apr. 12, 1941.

CLASS 40

Braids and chenille, Ornamental. Bernhard Ulmann Co. 387,000; Apr. 29; Serial No. 438,164; published Feb. 18, 1941.
Buttons. Morley Button Manufacturing Company. 144,010; renewed June 21, 1941.

Ladder web for Venetian blinds, Woven. Thomas French & Sons, Ltd. 387,024; Apr. 29; Serial No. 438,568; published Feb. 18, 1941.
Pins, safety pins, etc., Common and toilet. William Prym, Inc. 387,011; Apr. 29; Serial No. 438,354; published Feb. 18, 1941.
Straps for women's undergarments, Shoulder. Victor Brown Undies, Inc. 387,008; Apr. 29; Serial No. 438,264; published Feb. 18, 1941.

CLASS 42

Blankets. Chatham Manufacturing Company. 387,121; Apr. 29.
Fabrics in the piece. Cheney Brothers. 141,514; renewed Apr. 26, 1941.
Piece goods. Botany Worsted Mills. 387,007; Apr. 29; Serial No 438,263; published Feb. 18, 1941.
Piece goods. Golding Bros. Company. 387,067; Apr. 29; Serial No. 438,981; published Feb. 18, 1941.
Piece goods. Lincoln Fabrics, Inc. 387,096; Apr. 29.
Piece goods. C. B. Shane Corporation. 386,988; Apr. 29; Serial No. 437,785; published Feb. 18, 1941.
Piece goods. William Skinner & Sons. 387,065; Apr. 29; Serial No. 438,962; published Feb. 18, 1941.
Piece goods, Woolen. George W. Watt Woolen Co. 387,100; Apr. 29.
Silk in the piece, Artificial. Southern Brighton Mills. 387,049; Apr. 29; Serial No. 438,908; published Feb. 18, 1941.
Ticking, Mattress. Rosemary Incorporated. 386,960; Apr. 29; Serial No. 435,670; published Feb. 18, 1941.

CLASS 43

Yarns, Cotton. Cynthia Mills. 387,001; Apr. 29; Serial No. 438,170; published Feb. 18, 1941.

CLASS 44

Absorbent pads. Parke, Davis & Company. 387,083; Apr. 29; Serial No. 439,445; published Feb. 18, 1941.
Electromagnetic-field generators for therapeutic purposes. College of Electronic Medicine. 387,082; Apr. 29; Serial No. 439,385; published Feb. 18, 1941.
Hair waving pads and clamps. Sales Affiliates, Inc. 387,085; Apr. 29; Serial No. 439,495; published Feb. 18, 1941.
Mouth-mirrors. Union Broach Co. 146,614; renewed Sept. 13, 1941.
Nasal filters. San-Errin Laboratories, Inc. 387,086; Apr. 29; Serial No. 439,525; published Feb. 18, 1941.
Sphygmomanometers. Federal Products Corporation. 142,520; renewed May 17, 1941.
Vaginal diaphragms, Rubber. Ortho Products, Inc. 387,080; Apr. 29; Serial No. 439,358; published Feb. 18, 1941.

CLASS 45

Beverages, and syrups and extracts for making the same. Snow Crest Beverages, Inc. 387,073; Apr. 29; Serial No. 439,256; published Feb. 18, 1941.

CLASS 46

Bread. J. A. Wavra. 386,930; Apr. 29; Serial No. 426,235; published Feb. 18, 1941.
Bread. R. Wild. 387,005; Apr. 29; Serial No. 438,225; published Feb. 18, 1941.
Candy. Norris Incorporated. 386,998; Apr. 29; Serial No. 438,140; published Feb. 18, 1941.
Candy mixture, Hard. W. G. Voliva. 141,458; renewed Apr. 19, 1941.
Canned fruits. Schuckl & Co. 386,994–5; Apr. 29; Serial Nos. 438,019–20; published Feb. 18, 1941.
Canned fruits, berries, and vegetables. California Packing Corporation. 146,192; renewed Sept. 6, 1941.
Canned fruits, canned berries, and canned vegetables. H. A. Baker, Inc. 141,315; renewed Apr. 19, 1941.
Canned olives, fruits, and vegetables. Sylmar Packing Corp. 387,016; Apr. 29; Serial No. 438,420; published Feb. 18, 1941.
Canned sardines. Seacoast Canning Co. 145,809; renewed Aug. 16, 1941.
Confectionery. Purity Confectionery Company. 142,097; renewed May 3, 1941.
Crackers, cookies, salted peanuts, etc. L. G. Vickers. 387,091; Apr. 29.
Dressing, Horse radish. Bennett Foods Co. 386,997; Apr. 29; Serial No. 438,060; published Feb. 18, 1941.
Filberts. North Pacific Nut Growers Cooperative. 386,934; Apr. 29; Serial No. 427,770; published Feb. 18, 1941.
Flour, popped rice, popped wheat, etc., Wheat. Temple Stephens Co. 387,108; Apr. 29.
Food preparation. Bakers Research Bureau, Division of Bud Fox Enterprises, Inc. 386,924; Apr. 29; Serial No. 424,678; published Feb. 18, 1941.
Ice-cream. Dixie Ice Cream Co. 144,746; renewed July 19, 1941.
Ice cream stabilizer. Swift and Company. 386,999; Apr. 29; Serial No 438,161; published Feb. 18, 1941.
Oysters, clams, lobsters, scallops, etc. Harvey's Inc. 386,983; Apr. 29; Serial No. 437,655; published Feb. 18, 1941.
Peppers in jars, red crushed pepper, lupini beans, etc., Cherry. J. Vaccarino 386,928; Apr. 29; Serial No. 425,104; published Oct. 8, 1940.
Pork meat loaf. Hygrade Food Products Corporation. 386,955; Apr. 29; Serial No. 434,118; published Feb. 18, 1941.
Salt. Colonial Salt Company. 146,202; renewed Sept. 6, 1941.
Tea. Joseph Tetley & Co. 386,948; Apr. 29; Serial No. 433,076; published Feb. 18, 1941.
Tea. S. Zechnowitz. 146,921; renewed Sept. 20, 1941.
Tomato juice, butter, coffee, and wheat flour. Ford Motor Company. 386,965; Apr. 29; Serial No. 436,211; published Feb. 18, 1941.

CLASS 48

Ale. Cumberland Brewing Co. 386,954; Apr. 29; Serial No. 433,734; published Feb. 18, 1941.
Beer. Storz Brewing Company. 386,957; Apr. 29; Serial No. 434,677; published Oct. 22, 1940.

CLASS 49

Rock and brandy. Popper-Morson Co. 387,034; Apr. 29; Serial No. 438,665; published Feb. 18, 1941.
Whiskey. A. Giurlani & Bro. 386,969; Apr. 29; Serial No. 436,842; published Feb. 18, 1941.
Whiskey. Kraus Bros. & Co. Inc. 386,914; Apr. 29; Serial No. 394,374; published Nov. 1, 1938.
Whiskey. Larimer's Wine and Liquor Shop. 387,048; Apr. 29; Serial No. 438,847; published Feb. 18, 1941.
Whiskey. London & Company. 387,072; Apr. 29; Serial No. 439,201; published Feb. 18, 1941.
Whiskey. Old Pioneer Distilling Co. 387,070; Apr. 29; Serial No 439,053; published Feb. 25, 1941.
Whiskey. John A. Wathen Distillery Co. 386,913; Apr. 29; Serial No. 356,749; published Mar. 17, 1936.
Whiskey. R. C. Williams & Company. 386,986; Apr. 29; Serial No. 437,750; published Feb. 18, 1941.
Whiskey, gin, rum, rye, etc. Continental Distilling Corporation. 386,933; Apr. 29; Serial No. 427,613; published Feb. 18, 1941.

CLASS 50

Engravings and printing plates. H. Stivers. 386,941; Apr. 29; Serial No. 430,000; published Feb. 18, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Blosser, Herman G., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pennsylvania. Approach control apparatus for railway signaling systems. Re. 21,783; Apr. 29.

Blosser, John E. (See Burke, P., and Blosser.)

Borden, Stephen W., Summit, N. J. Swing current equipment. Re. 21,784; Apr. 29.

Burke, Paul, South Glens Falls, and J. E. Blosser, Glens Falls, assignors, by mesne assignments, to International Tissue Corp., New York, N. Y. Napkin folding machine. Re. 21,785; Apr. 29.

Casner Patents, Inc. (See Casner, Thaddeus S., assignor.)

Casner, Thaddeus S., Plainfield, N. J., assignor to Casner Patents, Inc. Shaving machine. Re. 21,786; Apr. 29.

Clark, Charles H., assignor, by mesne assignments, of one-half to R. H. Kistler, San Francisco, Calif. Marine craft. Re. 21,787; Apr. 29.

International Tissue Corp. (See Burke, P., and Blosser, assignors.)

Kistler, Ray H. (See Clark, Charles H., assignor.)

Kögel, Wilhelm G., and P. P. Strandberg, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 21,788; Apr. 29.

Servel, Inc. (See Kögel, W. G., and Strandberg, assignors.)

Strandberg, Per P. (See Kögel, W. G., and Strandberg.)

Union Switch & Signal Company, The. (See Blosser, Herman G., assignor.)

LIST OF PLANT PATENTEES

Conrad-Pyle Company, The. (See Read, Horace P., assignor.)

Goebel, Philip J., Des Peres, Mo. Carnation plant. 463; Apr. 29.

Howard, Frederick H., Montebello, Calif. Rose plant. 464; Apr. 29.

Read, Horace P., Brundall near Norwich, England, assignor to The Conrad-Pyle Company, West Grove, Pa. Shasta daisy. 465; Apr. 29.

LIST OF DESIGN PATENTEES

Ackerman, Dolletta M., Los Angeles, Calif. Vacuum beauty bonnet. 126,862; Apr. 29.

Adlake Company, The. (See Alm, Henry G., assignor.)

Alberts, Frances, Brooklyn, N. Y. Shoulder strap holder. 126,899; Apr. 29.

Alm, Henry G., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture, or similar article. 126,846; Apr. 29.

Autoyre Company, The. (See Sanford, Roy S., assignor.)

Avery, Minny M., Glendale, Calif. Garment hanger. 126,829; Apr. 29.

Beard, Theodore H., J. M. Lucarelle, Bridgeport, Conn., and W. J. O'Neil, Atlantic Beach, assignors to Dictaphone Corporation, New York, N. Y. Combined supporting base and cover for a desk phonograph. 126,869; Apr. 29.

Bender, Sydney E., Brooklyn, N. Y. Fabric display sample card. 126,830; Apr. 29.

Biva, Lucien, Long Island City, N. Y., assignor to W. E. Roschen, Spring Lake, J. Hastedt, Teaneck, N. J., and A. A. Levy, New York, N. Y., as coexecutors of the estate of O. Timme, deceased. Rug. 126,876; Apr. 29.

Biva, Lucien, Long Island City, N. Y., assignor to W. E. Roschen, Spring Lake, J. Hastedt, Teaneck, N. J., and A. A. Levy, New York, N. Y., as coexecutors of the estate of O. Timme, deceased. Rug. 126,877; Apr. 29.

Boucher, Marcel, New York, N. Y. Pin or similar article. 126,900; Apr. 29.

Boucher, Marcel, New York, N. Y. Pin or similar article. 126,901; Apr. 29.

Boucher, Marcel, New York, N. Y. Pin or similar article. 126,902; Apr. 29.

Boucher, Marcel, New York, N. Y. Pin or similar article. 126,903; Apr. 29.

Boucher, Marcel, New York, N. Y. Pin or similar article. 126,944; Apr. 29.

Breer, Edna, New York, N. Y. Dress. 126,943; Apr. 29.

Briggs, Leland S. (See O'Neil, W. J., and Briggs, assignors.)

Bryce Brothers Company. (See Morrison, William P., assignor.)

Budd, Edward G., Manufacturing Co. (See Patton, John W., assignor.)

Burd, Martin M. (See Burd, Samuel I. and M. M.)

Burd, Samuel I. and M. M., Philadelphia, Pa. Stocking. 126,904; Apr. 29.

Carson, Gretyl E., Chicago, Ill. Cigarette holder. 126,878; Apr. 29.

Cashin, Bonnie, New York, N. Y. Dress. 126,879; Apr. 29.

Cashin, Bonnie, New York, N. Y. Dress. 126,929; Apr. 29.

Cashin, Bonnie, New York, N. Y. Dress ensemble. 126,930; Apr. 29.

Cashin, Bonnie, New York, N. Y. Dress. 126,931; Apr. 29.

Cashin, Bonnie, New York, N. Y. Dress. 126,945; Apr. 29.

Cashin, Bonnie, New York, N. Y. Dress. 126,946; Apr. 29.

Cashin, Bonnie, New York, N. Y. Dress. 126,947; Apr. 29.

Cashin, Bonnie, New York, N. Y. Dress. 126,948; Apr. 29.

Charles of the Ritz, Inc. (See Colwell, Laurence J., assignor.)

Christen, Marcel, assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 126,880; Apr. 29.

Ciccone, Elizabeth M., New York, N. Y. Redingote. 126,932; Apr. 29.

Claire, Beni, New York, N. Y. Dress ensemble. 126,881; Apr. 29.

Clopay Corporation. (See Thexton, Arthur L., assignor.)

Cohn & Rosenberger Inc. (See Verrecchio, Gene, assignor.)

Colwell, Laurence J., assignor to Charles of the Ritz, Inc., New York, N. Y. Toilet powder container. 126,847; Apr. 29.

Cox, Orin K., New York, N. Y. Dish washing machine. 126,848; Apr. 29.

De Candia, Nicholas L., Astoria, Long Island, N. Y. Life preserver. 126,882; Apr. 29.

Delphos Bending Company, The. (See Peltier, Leslie, assignor.)

Dictaphone Corporation. (See Beard, T. H., Lucarelle, and O'Neil, assignors.)

Dictaphone Corporation. (See O'Neil, W. J., and Briggs, assignors.)

Flatley, James J., Hollywood, Calif. Vibrator. 126,849; Apr. 29.

Francis, Joel R., Collegeville, Pa. Christmas stocking or similar article. 126,831; Apr. 29.

Frankenthaler, Adolph, and S. Rosenthal, New York, N. Y. Pin. 126,850; Apr. 29.

Franklin, Sylvia, New York, N. Y. Dress. 126,933; Apr. 29.

Franklin, Sylvia, New York, N. Y. Dress. 126,934; Apr. 29.

Franklin, Sylvia, New York, N. Y. Dress. 126,935; Apr. 29.

Franklin, Sylvia, New York, N. Y. Dress. 126,936; Apr. 29.

Franklin, Sylvia, New York, N. Y. Dress. 126,955; Apr. 29.

Franklin, Sylvia, New York, N. Y. Dress. 126,956; Apr. 29.

Galowitz, Morris, New York, N. Y. Dress. 126,957; Apr. 29.

Galowitz, Morris, New York, N. Y. Dress. 126,958; Apr. 29

General Motors Corporation. (See Waterbury, Ronald J., assignor.)
Gershuny, Abe, New York, N. Y. Dress. 126,940; Apr. 29.
Gershuny, Abe, New York, N. Y. Dress. 126,959; Apr. 29.
Goldstein, Aaron A., assignor to Gomco Surgical Manufacturing Corporation, Buffalo, N. Y. Centrifuge. 126,851; Apr. 29.
Goldstein, Charles, New York, N. Y. Coat. 126,832; Apr. 29.
Gomco Surgical Manufacturing Corporation, The. (See Goldstein, Aaron A., assignor.)
Gurry, Thomas F., Jr., Port Washington, N. Y. Textile fabric. 126,883; Apr. 29.
Gurry, Thomas F., Jr., Port Washington, N. Y. Textile fabric. 126,884; Apr. 29.
Gurry, Thomas F., Jr., Port Washington, N. Y. Textile fabric. 126,885; Apr. 29.
Gurry, Thomas F., Jr., Port Washington, N. Y. Textile fabric. 126,886; Apr. 29.
Gurry, Thomas F., Jr., Port Washington, N. Y. Textile fabric. 126,887; Apr. 29.
Haines, Edgar F., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Radio-phonograph cabinet. 126,863; Apr. 29.
Hall, Philip C., Los Angeles, Calif. Fountain pen stand. 126,888; Apr. 29.
Hallbauer, Otto, West Englewood, N. J. Embroidered fabric. 126,889; Apr. 29.
Harman, Emil L., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Radio-phonograph cabinet. 126,864; Apr. 29.
Hastedt, John, et al. (See Biva, Lucien, assignor.)
Hylan, Ralph R., Lexington, Mass. Scooter ski. 126,833; Apr. 29.
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 126,937; Apr. 29.
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 126,950; Apr. 29.
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 126,951; Apr. 29.
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 126,952; Apr. 29.
Julius, Harry W., New York, N. Y. Dress. 126,905; Apr. 29.
Kanter, Edward, Cleveland Heights, Ohio. Lighter. 126,865; Apr. 29.
Kaufman, Sol P., New York, N. Y. Toy whistle. 126,852; Apr. 29.
Kendall, Roy C., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 126,906; Apr. 29.
Klam, Omar, New York, N. Y. Fur jacket. 126,907; Apr. 29.
Klam, Omar, New York, N. Y. Cape. 126,908; Apr. 29.
Kirschenbaum, Isaac, Middletown, Pa. Jacket or similar article. 126,953; Apr. 29.
Krasnikov, Semjon, Chicago, Ill. Radio. 126,870; Apr. 29.
Lang, Charles, New York, N. Y. Dress. 126,890; Apr. 29.
Langer, Harry, New York, N. Y. Dress ensemble. 126,891; Apr. 29.
Leavitt, Isaac J., Denver, Colo. Building. 126,853; Apr. 29.
Lelong, Lucien, Inc. (See Willmarth, John H., assignor.)
Levy, Albert A., et al. (See Biva, Lucien, assignor.)
Lucarelle, Joseph M. (See Beard, T. H., Lucarelle, and O'Neil.)
Magid, Philip A., New Haven, Conn. Display cabinet. 126,834; Apr. 29.
Malden Form Brassiere Company. (See Rosenthal, William, assignor.)
Manderbach, Roy G., Reading, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic braid. 126,835; Apr. 29.
McCann, Clyde D., Des Moines, Iowa. Lamp shield. 126,854; Apr. 29.
McCoy, Marion, St. Louis, Mo. Dress. 126,938; Apr. 29.
McCoy, Marion, St. Louis, Mo. Dress. 126,939; Apr. 29.
McCoy, Marion, St. Louis, Mo. Dress. 126,940; Apr. 29.
McCoy, Marion, St. Louis, Mo. Dress. 126,954; Apr. 29.
Miller, Elsie E., Iowa Falls, Iowa. Bed pan cushion. 126,866; Apr. 29.
Miller, Walter C., Abington, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 126,909; Apr. 29.
Moreno, Joseph, Mountain View, Calif. Back bar. 126,836; Apr. 29.
Morrison, William P., assignor to Bryce Brothers Company, Mount Pleasant, Pa. Stemmed goblet or similar article. 126,837; Apr. 29.
Moss, Edward H., New York, N. Y. Textile fabric. 126,892; Apr. 29.
Narrow Fabric Company, The. (See Manderbach, Roy G., assignor.)
Neumann, R., & Company. (See Schiess, Justin, assignor.)
Newman, Alexander I., assignor to Precision Scientific Co., Chicago, Ill. Electric timer. 126,893; Apr. 29.
O'Neil, William J. (See Beard, T. H., Lucarelle, and O'Neil.)
O'Neil, William J., Atlantic Beach, and L. S. Briggs, assignors to Dictaphone Corporation, New York, N. Y. Combined hood and supporting base for a dictating machine. 126,871; Apr. 29.
O'Neil, William J., Atlantic Beach, and L. S. Briggs, assignors to Dictaphone Corporation, New York, N. Y. Combined hood and supporting base for a transcribing machine. 126,872; Apr. 29.
O'Neil, William J., Atlantic Beach, and L. S. Briggs, assignors to Dictaphone Corporation, New York, N. Y. Mouthpiece for a speaking tube of a phonograph. 126,873; Apr. 29.
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 126,910; Apr. 29.
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 126,911; Apr. 29.
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 126,912; Apr. 29.
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 126,913; Apr. 29.
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 126,914; Apr. 29.
Owens-Illinois Glass Company. (See Kendall, Roy C., assignor.)
Patton, John W., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Rear car of a rail vehicle. 126,867; Apr. 29.
Peltier, Leslie, assignor to The Delphos Bending Company, Delphos, Ohio. Infant's collapsible stroller or similar article. 126,855; Apr. 29.
Philco Radio and Television Corporation. (See Haines, Edgar F., assignor.)
Philco Radio and Television Corporation. (See Harman, Emil L., assignor.)
Plumb, Frederic W., West Reading, Pa. Automobile. 126,874; Apr. 29.
Potter, Clare, West Nyack, N. Y. Dress. 126,941; Apr. 29.
Precision Scientific Co. (See Newman, Alexander I., assignor.)
Quaker Lace Company Incorporated. (See Miller, Walter C., assignor.)
Quaker Lace Company Incorporated. (See Otto, Ferdinand P., assignor.)
Quaker Lace Company, Incorporated. (See Waterfield, James, assignor.)
Regelmann, William, Cranston, R. I. Brooch. 126,915; Apr. 29.
Regelmann, William, Cranston, R. I. Brooch. 126,916; Apr. 29.
Regelmann, William, Cranston, R. I. Brooch. 126,917; Apr. 29.
Ricou, Clarence A., Shreveport, La. Well bomb. 126,856; Apr. 29.
Roschen, William E., et al. (See Biva, Lucien, assignor.)
Rosenthal, William, assignor to Malden Form Brassiere Company, Inc., New York, N. Y. Brassière, or the like. 126,918; Apr. 29.
Rosenthal, Stanley. (See Frankenthaler, Adolph, and Rosenthal.)
Rothmann, Charles H., Closter, N. J. Plastic building or paving block. 126,857; Apr. 29.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel rack or similar article. 126,838; Apr. 29.
Schiess, Justin, Englewood, assignor to R. Neumann & Company, Hoboken, N. J. Leather or similar article. 126,839; Apr. 29.
Sherwin, Monroe, New York, N. Y. Fur jacket. 126,919; Apr. 29.
Silverman, Allan M., Philadelphia, Pa. Pair of spectacles. 126,840; Apr. 29.
Singer, Henry, assignor of one-half to G. A. T. Spencer, Honolulu, Hawaii. Game device. 126,841; Apr. 29.
Spencer, George A. T. (See Singer, Henry, assignor.)
Steichen, Albert N., West Englewood, N. J. Combined back scrubbing cloth and soap holder. 126,875; Apr. 29.
Stix, Frances T., New York, N. Y. Dress. 126,942; Apr. 29.
Te Winkle, Howard B., Erie, Pa. Game board. 126,842; Apr. 29.
Thacher, Sheldon P., Groose Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 126,858; Apr. 29.
Thacher, Sheldon P., Groose Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 126,859; Apr. 29.
Thexton, Arthur L., Fort Thomas, Ky., assignor to Clopay Corporation, Cincinnati, Ohio. Window shade bracket. 126,843; Apr. 29.
Timme, Otto. (See Biva, Lucien.)
United States Rubber Company. (See Thacher, Sheldon P., assignor.)
Verdi, Ann, Jackson Heights, N. Y. Dress. 126,894; Apr. 29.
Verdi, Ann, Jackson Heights, N. Y. Dress ensemble. 126,895; Apr. 29.
Verdi, Ann, Jackson Heights, N. Y. Dress. 126,920; Apr. 29.
Verdi, Ann, Jackson Heights, N. Y. Dress. 126,921; Apr. 29.

Verrecchio, Gene, assignor to Cohn & Rosenberger Inc., Providence, R. I. Brooch or similar article. 126,922; Apr. 29.
Verrecchio, Gene, assignor to Cohn & Rosenberger Inc., Providence, R. I. Brooch or similar article. 126,923; Apr. 29.
Walker, Jane, New York, N. Y. Dress ensemble. 126,896; Apr. 29.
Walker, Joset, New York, N. Y. Dress. 126,924; Apr. 29.
Walker, Joset, New York, N. Y. Dress. 126,960; Apr. 29.
Walker, Joset, New York, N. Y. Dress. 126,961; Apr. 29.
Waterbury, Ronald J., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Rear fender for a vehicle. 126,897; Apr. 29.
Waterfield, James, assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace table cloth. 126,925; Apr. 29.
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace table cloth. 126,926; Apr. 29.
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace table cloth. 126,927; Apr. 29.
White, Edmund B., Worcester, Mass. Jar cap lifter. 126,898; Apr. 29.
Williams, William G., Orange, Calif. Tie rack. 126,844; Apr. 29.
Willmarth, John H., assignor to Lucien Lelong, Inc., Chicago, Ill. Container for perfume bottle, or similar article. 126,860; Apr. 29.
Witmyer, Bernice, Harrisburg, Pa., assignor to Woodward & Lothrop, Inc. Box wrapper. 126,868; Apr. 29.
Woodward & Lothrop, Inc. (See Witmyer, Bernice, assignor.)
Yale Fabrics Corp. (See Christen, Marcel, assignor.)
Younghusband, James L., Chicago, Ill. Perfume brooch. 126,928; Apr. 29.
Zaun, Harry C., Atlantic Beach, N. Y. Electric glow lamp. 126,861; Apr. 29.
Zimmerman, Samuel, New York, N. Y. Coat. 126,845; Apr. 29.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Winding machine. 2,239,689; Apr. 29.

Abbott, Ernest J., assignor to Physicists Research Company, Ann Arbor, Mich. Instrument for recording or measuring surface irregularities. 2,240,278; Apr. 29.

Abbott Laboratories. (See Tabern, Donalee L., assignor.)

Abbott Machine Company. (See Abbott, Edward J., assignor.)

Abbott, Raymond F. (See Textor, A. F., Abbott, and Roberts.)

Abercrombie, Tyler D., Ashburn, Ga. Fiber hover. 2,239,836; Apr. 29.

Acme Shear Company, The. (See Lincoln, Alden A., assignor.)

Adams, Charles D., Los Angeles, Calif. Suction separator. 2,240,167; Apr. 29.

Adamson, Nicholas F., and K. L. Bastrup, assignors to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,240,279; Apr. 29.

Addressograph-Multigraph Corporation. (See Gollwitzer, Walter T., assignor.)

Adkisson, Robert F., Yukon, Okla. Cutting and raking farm crops. 2,240,168; Apr. 29.

Adler, Hans, Berlin-Wilmersdorf, assignor to Mannesmann-Stahlblechbau-Aktiengesellschaft, Berlin, Germany. Bookstack. 2,240,086; Apr. 29.

Aegler, Hans H., assignor to Manufacture des Montres Rolex, Aegler Societe Anonyme, Bienne, Switzerland. Balance wheel for watch movements. 2,239,668; Apr. 29.

Aeromotive Components Corporation. (See Kelsey, R. A., and Wright, assignors.)

Ahles, Carl C., Albany, N. Y. Road guard. 2,239,667; Apr. 29.

Air Preheater Corporation, The. (See Armacost, Wilbur H., assignor.)

Aitken, Andrew W., assignor to The Buffalo Springfield Roller Co., Springfield, Ohio. Trench roller. 2,240,236; Apr. 29.

Ajax Tool and Die Company. (See Hoffert, Roy G., assignor.)

Ajax Tool and Die Company. (See Scherman, Fred A., assignor.)

Aktiebolaget Svenska Flaktfabriken. (See Nyquist, Börje S., assignor.)

Aktiengesellschaft Brown, Boveri & Cie. (See Noack, Walter G., assignor.)

Aktiengesellschaft Brown, Boveri & Cie. (See Schärli, Otto, assignor.)

Aktiengesellschaft Brown, Boveri & Cie. (See Thonmen, Hans, assignor.)

Alexander, Donald F., C. F. Henney and C. L. Paulus, assignors to General Motor Corporation, Dayton, Ohio. Electrical apparatus. 2,239,804; Apr. 29.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric transforming apparatus. 2,240,201; Apr. 29.

Alink, Roelof J. H. (See de Boer, J. H., Alink, and Jonkers.)

All-Steel-Equip Company. (See Bolesky, K. C., and Saaf, assignors.)

Allen, B. S. (See Dowell, Henry L., assignor.)

Allen, Victor O., Madison, and C. P. Marsden, Jr., Bloomfield, assignors to Wilbur B. Driver Co., Newark, N. J. Alloys for metal to glass seals. 2,240,063; Apr. 29.

Allen, Victor O., Madison, and C. P. Marsden, Jr., Bloomfield, assignors to Wilbur B. Driver Company, Newark, N. J. Alloy for metal to glass seals. 2,240,064; Apr. 29.

Alric, Gustave C., Troyes, France, assignor, by mesne assignments, to American Vitos Company, New York, N. Y. Knitting needle, chiefly adapted for the restoration of meshes. 2,240,152; Apr. 29.

Altorfer, Alpheus W., E. Peoria, Ill. Wringer control mechanism. 2,240,280; Apr. 29.

Aluminum Company of America. (See Sager, G. F., and Keller, assignors.)

Aluminum Company of America. (See Smith, D. W., and Fink, assignors.)

American Can Company. (See Ball, Charles O., assignor.)

American Can Company. (See Gordon, James H., Jr., assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Can Company. (See Loesel, Nicholas, assignor.)

American Can Company. (See Martin, William M., assignor.)

American Coach & Body Company, The. (See Larsen, N. F., and Troche, assignors.)

American Cyanamid Company. (See Durant, Walter W., assignor.)

American Cyanamid Company. (See Williams, James H., assignor.)

American Foundry Equipment Company, The. (See Hamnell, Charles H., assignor.)

American Foundry Equipment Company. (See Turnbull, David C., assignor.)

American Hard Rubber Company. (See Reppert, R., and Johnson, assignors.)

American La France-Foamite Corporation. (See Smith, Carlisle F., assignor.)

American Machine & Foundry Company. (See Randolph, Clifford F., assignor.)

American Optical Company. (See Gagnon, L. L., and Moulton, assignors.)

American Optical Company. (See Splaine, Edward M., assignor.)

American Rubber Products Corporation. (See May, Herbert S., assignor.)

American Seating Company. (See Nordmark, Henry P., assignor.)

American Smelting and Refining Company. (See Call, Benjamin G., assignor.)

American Vitos Company. (See Alric, Gustave C., assignor.)

Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Ventilator. 2,239,767; Apr. 29.

Anderson, Selina, Tacoma, Wash. Potato masher and fluffer. 2,240,237; Apr. 29.

Andrea Radio Corp. (See Heindel, H. J., Sleeper, and Cawein, assignors.)

Angell, Charles H., et al. (See Newhardt, Joseph B., assignor.)

Anselmi, Carlo, New York, N. Y. Copper alloy. 2,240,202; Apr. 29.

Arias, Val, Tuscarora, Nev. Electric fingernail file. 2,239,870; Apr. 29.

Armacost, Wilbur H., assignor to The Air Preheater Corporation, New York, N. Y. Heat exchanger. 2,240,203; Apr. 29.

Armour and Company. (See Payton, John H., assignor.)

Artzt, Maurice, Haddonfield, N. J., assignor to Radio Corporation of America. Constant supply system for photoelectric apparatus and the like. 2,239,768; Apr. 29.

Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)

Associated Electric Laboratories, Inc. (See Peterson, Edward S., assignor.)

Atlantic Coast Fisheries Company, The. (See Taylor, H. F., and Bedford, assignors.)

Atwell, Harold V., Beacon, assignor to Process Management Company, Incorporated, New York, N. Y. Treating hydrocarbon fluids. 2,240,008; Apr. 29.

Atwell, Harold V., White Plains, assignor to Process Management Company, Inc., New York, N. Y. Manufacture of gasolinelike hydrocarbons. 2,240,433; Apr. 29.

Atwell, Harold V., Beacon, assignor to Process Management Company, Incorporated, New York, N. Y. Treating hydrocarbon fluids. 2,240,434; Apr. 29.

Atwood Vacuum Machine Company, The. (See Lustig, Walter R., assignor.)

Auto Soler Company, The. (See Watkins, C. A., Wright, and Harris, assignors.)

Autoyre Company, The. (See Sanford, Roy S., assignor.)

Avery, Maurice R., Waunatosa, Wis., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,240,026; Apr. 29.

Ayres, Reginald J. (See Geiger, W. J., and Ayres.)

B R E Manufacturing Co. (See Leslie, Howard C., assignor.)

Backhaus, Karl, assignor to Demag Aktiengesellschaft, Duisberg, Germany. Rolling mill. 2,240,362; Apr. 29.

Bacon, Frederick S., Newton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Adhesive. 2,240,027; Apr. 29.

Badaracco, John P., assignor of fifty per cent to P. Carnecchia, Union City, N. J. Culinary utensil. 2,240,454; Apr. 29.

Bade, Alfred G., assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,239,983; Apr. 29.

Bade, Alfred G. (See Schmitter, W. P., and Bade.)

Bader, Wilhelm, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Luminous mark measuring arrangement. 2,240,028; Apr. 29.

Badertscher, Darwin E., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition and improving agent. 2,240,009; Apr. 29.

Bakelite Gesellschaft mit beschränkter Haftung. (See Scheib, Walter, assignor.)

Baker, Albert L., Sacramento, Calif. Impeller mounting assembly. 2,240,238; Apr. 29.

Baker, Albert L., Summit, assignor to Gasoline Products Company, Inc., Jersey City, N. J. Apparatus for burning fuels. 2,240,250; Apr. 29.

Baker Castor Oil Company, The. (See Colbeth, Ivor M., assignor.)

Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for applying pressure to shoe bottoms. 2,239,805; Apr. 29.

Baker Perkins, Inc. (See Engels, Eugene O., assignor.)

Baker, Walter J., West Somerville, and W. C. Bleher, West Roxbury, assignors to Boston Woven Hose & Rubber Company, Cambridge, Mass. Vulcanizing machine. 2,240,251; Apr. 29.

Baldwin, John, Brooklyn, and W. Hillenbrand, Rigo Park, Long Island, N. Y. Holder for paper rolls. 2,240,109; Apr. 29.

Ball, Charles O., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Apparatus for canning. 2,239,690; Apr. 29.

Ballard, Julius. (See Nightenhelser, R., and Ballard.)

Ballard, Randall C., Audubon, N. J., assignor to Radio Corporation of America. Automatic background control. 2,240,281; Apr. 29.

Banks, William M., Erie, Pa. Shade hanger. 2,240,385; Apr. 29.

Barber-Coleman Company. (See Whitman, George F., assignor.)

Barnes, John A. (See Towle, H. C., and Barnes.)

Barreda, Julian C., Flushing, assignor of one-half to H. J. McLaughlin, Brooklyn, N. Y. Machine for dispensing liquids. 2,239,984; Apr. 29.

Barrett, Edward L., La Grange, assignor to Barrett Engineering Company, Chicago, Ill. Drive mechanism. 2,240,087; Apr. 29.

Barrett Engineering Company. (See Barrett, Edward L., assignor.)

Barrows, Donald S., and E. H. Blattner, assignors to The Symington-Gould Corporation, Rochester, N. Y. Draft rigging. 2,240,363; Apr. 29.

Bartmann & Bixer Inc. (See Meyer, Charles, assignor.)

Bartz, Frederick W., Minneapolis, assignor to Vulcan Manufacturing Co., Inc., St. Paul, Minn. Solvent servicer for engines. 2,239,949; Apr. 29.

Bastrup, Kay L. (See Adamson, N. F., and Bastrup.)

Batchelor, John C., Hastings on Hudson, N. Y. Electro-optical reproducer. 2,239,769; Apr. 29.

Bauer, Charles A. (See Morton, T. J., Jr., and Bauer.)

Bauer, Cletus V., Yonkers, F. P. Cina, Port Richmond, and C. J. Zusy, deceased, Yonkers, (by K. Zusy, administratrix), Nassau, N. Y. Stay bolt for boilers. 2,239,908; Apr. 29.

Beaman, George B., Hackensack, N. J., assignor to Gaylord Container Corporation, St. Louis, Mo. Display stand. 2,240,282; Apr. 29.

Bean, Barton A., Jr., et al. (See Hunter, L., and Short, assignors.)

Becher, Felix. (See Heidelmeyer, M., and Becher.)

Becker, Joseph A., Mountain Lakes, N. J., and W. H. Brattain, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrically conductive device and the manufacture thereof. 2,239,770; Apr. 29.

Becker, Joseph A., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrically conductive device and its manufacture. 2,239,771; Apr. 29.

Becker, Rebecca, New York, N. Y. Milk package. 2,239,691; Apr. 29.

Bedford, Robert H. (See Taylor, H. F., and Bedford.)

Behr-Manning Corporation. (See Oglesby, Nicholas E., assignor.)

Behr, Otho M., Redondo Beach, assignor to Vegetable Oil Products Company, Inc., Los Angeles, Calif. Continuous process of treating oils. 2,239,692; Apr. 29.

Beizer, Harold H., Pensauken, N. J., assignor to Radio Corporation of America. Radio receiver. 2,239,772; Apr. 29.

Bell, Harry W., assignor to Durable Mat Company, Seattle, Wash. Link mat construction. 2,239,871; Apr. 29.

Bell, Joseph D., San Francisco, Calif. Chair bed. 2,240,204; Apr. 29.

Bell Telephone Laboratories, Incorporated. (See Becker, Joseph A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Becker, J. A., and Brattain, assignors.)

Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)

Bell Telephone Laboratories, Incorporated. (See Cole, Ira E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Cousins, Van M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hickman, Clarence N., assignor.)

Bell Telephone Laboratories, Incorporated. (See Krist, Henry K., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lakatos, Emory, assignor.)

Bell Telephone Laboratories, Incorporated. (See Lovell, George H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)

Bendix Aviation Corporation. (See Chappell, Ralph R., assignor.)

Benioff, Hugo, La Canada, Calif. Electrical musical instrument. 2,239,985; Apr. 29.

Bennett, Willard H., assignor to Electronic Research Corporation, Newark, Ohio. Electric discharge electrode. 2,239,693; Apr. 29.

Bennett, Willard H., assignor to Electronic Research Corporation, Newark, Ohio. Electric discharge electrodes and circuit arrangements therefor. 2,239,694; Apr. 29.

Bennett, Willard H., assignor to Electronic Research Corporation, Newark, Ohio. Capacitive target-emitter for electric discharge devices. 2,239,695; Apr. 29.

Benson, Benjamin H., and B. E. Mendelsohn, Brookline, Mass. Pneumatic tire. 2,240,169; Apr. 29.

Benson, Melvin B., Plainfield, assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J. Differential gearing. 2,239,839; Apr. 29.

Benz, George W. (See Calva, Jose B., assignor.)

Beplat, Emanuel T., Flushing, N. Y. Apparatus for sinking forms for concrete piles. 2,239,872; Apr. 29.

Berg, Louis B., assignor to Borg-Warner Corporation, Chicago, Ill. Filter. 2,239,950; Apr. 29.

Berger, Arthur, Stuttgart-Oberturkheim, and R. Freitag, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. System for cooling by evaporation for combustion engines. 2,240,065; Apr. 29.

Bergert, Henry A., assignor to The Timken Roller Bearing Company, Canton, Ohio. Apparatus for mounting crankpins and the like. 2,239,873; Apr. 29.

Berlin-Suhler Waffen-Und Fahrzeugwerke. (See Hanft, H., and (Geiszler, assignor).)

Bernstein, Wilburn F., Brookfield, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Oil seal with rotatable inner shell. 2,240,252; Apr. 29.

Bernstein, Wilburn F. (See Heinze, W. A., and Bernstein.)

Bert, Samuel D., assignor of one-third to M. A. Yorkin and one-third to J. D. Martin, Washington, Pa. Glass forming machine. 2,240,324; Apr. 29.

Better, Francis J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for use in applying pressure to shoe bottoms. 2,239,806; Apr. 29.

Bierwirth, Rudolph A., Haddon Heights, N. J., assignor to Radio Corporation of America. Inverse feedback amplifier. 2,239,773; Apr. 29.

Binder, Richard, Schweinfurt, Germany. Friction coupling. 2,240,127; Apr. 29.

Binks Manufacturing Company. (See Bramsen, S., Gustafsson, and McMartin, assignors.)

Bingham, John W., assignor to a copartnership consisting of J. W. Bingham, Mrs. L. C. Minghetti, and C. F. Rhyno, Vernalis, Calif. Bean harvester and windrower. 2,240,066; Apr. 29.

Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Electric switch. 2,240,253; Apr. 29.

Birkigt, Louis, Versoix, near Geneva, Switzerland. Internal combustion engine. 2,240,088; Apr. 29.

Bjorksten, Johan, assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket having an ortho acidic bonding agent. 2,240,029; Apr. 29.

Blake, Robert, St. Louis, Mo. Folding seat. 2,239,669; Apr. 29.

Blanchard, Alva G., Shreveport, La. Fuel cutoff means. 2,239,774; Apr. 29.

Blattner, Emil H. (See Barrows, D. S., and Blattner.)

Bleher, William C. (See Baker, W. J., and Bleher.)

Bliley Electric Company. (See Wolfskill, John M., assignor.)

Blodgett, Selwyn E., Bakersfield, Calif. Switch for signal lights. 2,240,089; Apr. 29.

Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Mounting for rotary tool spindles and the like. 2,239,986; Apr. 29.

Board, Charles, et al. (See Carper, Earl W., assignor.)

Bobrick, Arthur L., San Marino, and G. C. Lee, Los Angeles, Calif.; said Lee assignor to said Bobrick. Dispenser for powdered soap and the like. 2,240,030; Apr. 29.

Bochow, Walter, Brooklyn, assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y. Cutoff mechanism for bag machines. 2,239,874; Apr. 29.

Bogdanoff, Paul G., Baldwinsville, N. Y. Self-priming centrifugal pump. 2,240,128; Apr. 29.

Bohm, Daniel, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Method and apparatus for forming the rims of cylindrical shells. 2,239,696; Apr. 29.

Bolesky, Kenneth C., and F. A. Saaf, Aurora, Ill., assignors to All-Steel Equip Company, Incorporated. File cabinet and the like. 2,240,067; Apr. 29.

Borg-Warner Corporation. (See Berg, Louis B., assignor.)

Borg-Warner Corporation. (See Buchanan, John C., assignor.)

Borg-Warner Corporation. (See Bush, Theodore R., assignor.)

Borg-Warner Corporation. (See Greif, Edward J., assignor.)

Borg-Warner Corporation. (See Mills, Herbert E., assignor.)

Borg-Warner Corporation. (See Mills, H. E., and Dupuis, assignors.)

Borg-Warner Corporation. (See Mueller, Moritz L., assignor.)

Borg-Warner Corporation. (See Nutt, H., and Reed, assignors.)

Borg-Warner Corporation. (See Swenson, Carl E., assignor.)

Borgardt, John B., East Cleveland, Ohio. Producing welded tubing. 2,240,170; Apr. 29.

Borresen, Nico, assignor to Nicostat Products Co., Buffalo, N. Y. Thermostat valve. 2,240,435; Apr. 29.

Borresen, Nico, assignor to Nicostat Products Co., Buffalo, N. Y. Method and apparatus for controlling flow of fluids. 2,240,436; Apr. 29.

Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanizer. 2,240,010; Apr. 29.

Bostick, Bettie J., Jacksonville, Fla. Hanger. 2,239,808; Apr. 29.

Boston Envelope Company. (See Scott, Sidney M., assignor.)

Boston Woven Hose & Rubber Company. (See Baker, W. J., and Bieber, assignors.)

Bottorff, Paul A., assignor to Electro-Acoustic Engineers, Des Plaines, Ill. Telephone receiver. 2,239,837; Apr. 29.

Bouma, Louis C. (See Risher, E. E., and Bouma.)

Bour, Robert C., assignor to Ditto, Incorporated, Chicago, Ill. Transfer process and copy paper for use therein. 2,240,031; Apr. 29.

Bour, Robert C., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket having a wetting type bonding agent. 2,240,032; Apr. 29.

Bour, Robert C. (See Hoskins, W., Jr., and Bour.)

Boyle, A. S., Company, The. (See Closson, John P., assignor.)

Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration. 2,240,178; Apr. 29.

Brackett, Fred M. (See Daneke, D., and Kushera, assignors.)

Bramsen, Svend, and E. Gustafsson, Chicago, and W. B. McMartin, Lombard, assignors to Binks Manufacturing Company, Chicago, Ill. Spray gun unit. 2,239,987; Apr. 29.

Brannon, Herbert E., Detroit, Mich. Electric fuse. 2,240,239; Apr. 29.

Brass, Samuel. (See Worne, H., and Pierce, assignors.)

Bratt, Robert C., Cleveland, Ohio. Lighting system for automobiles. 2,239,838; Apr. 29.

Brattain, Walter H. (See Becker, J. A., and Brattain.)

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Heater and draft control therefor. 2,240,283; Apr. 29.

Breitling, Ernst, Berlin-Tempelhof, H. Schwenk, Berlin, and H. Uhlmann, Berlin-Steglitz, Germany, assignors to The National Cash Register Company, Dayton, Ohio. Cash register, accounting and the like machine. 2,239,807; Apr. 29.

Brennan, Joseph B., and L. Marsh; said Marsh assignor to J. B. Brennan, Fort Wayne, Ind. Electrolytic device and method of making same. 2,239,988; Apr. 29.

Brice, Norman E., Millburn, N. J., and C. M. Guldner, assignors to The Permutit Company, New York, N. Y. Automatic backwash variation in water softeners. 2,240,171; Apr. 29.

Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)

Brillo Manufacturing Company. (See Field, Crosby, assignor.)

Brillo Manufacturing Company. (See Field, C., and Toole, assignors.)

Britton, Verner E., Newport Beach, Calif. Sealing means for use in grouting vertical seams in sea walls or the like. 2,239,989; Apr. 29.

Brockman, Oscar, Louisville, Ky. Mat. 2,240,240; Apr. 29.

Broecker, Lewis C., assignor to Bridgeport Brass Company, Bridgeport, Conn., Valve. 2,240,129; Apr. 29.

Bromschwig, Fred H., St. Louis, Mo. Collapsible camping structure. 2,239,951; Apr. 29.

Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio communication. 2,239,775; Apr. 29.

Bruen, George C., assignor to Rotary Index Co., Inc., Chicago, Ill. Card tray. 2,240,325; Apr. 29.

Brunn, Robert B. J., New York, N. Y., assignor to Hazeltine Corporation. Balanced modulator circuit. 2,239,776; Apr. 29.

Bryant, Frank D. (See Young, W. R., and Bryant.)

Buchanan, John C., Ypsilanti, Mich., assignor to Borg-Warner Corporation. Refrigerating apparatus. 2,240,110; Apr. 29.

Buchanan, John C., Ypsilanti, Mich., assignor to Borg-Warner Corporation. Refrigerating apparatus. 2,240,284; Apr. 29.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Crankpin bearing. 2,239,875; Apr. 29.

Budd Wheel Company. (See Eksergian, Rupen and C. L., assignors.)

Buechmann, Frederick, New York, assignor to Newmark Bros., Inc., Long Island City, N. Y. Pressure gauge. 2,239,697; Apr. 29.

Buffalo-Springfield Roller Co. (See Aitken, Andrew W., assignor.)

Bundy Tubing Company. (See Quarnstrom, B. L., and Hobrock, assignors.)

Burgess, Richard H., San Antonio, Tex. Rotating parachute. 2,239,670; Apr. 29.

Burleson, Wade H., assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 2,239,809; Apr. 29.

Burmeister, Erich, Essen, assignor to Fried. Krupp, Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Automatic lubrication of bearings on crankpins. 2,240,172; Apr. 29.

Burns, Earl A., assignor to Woodall Industries Incorporated, Detroit, Mich. Laminated insulation structure. 2,240,326; Apr. 29.

Burt, Alexander D. (See Shoup, F., and Burt.)

Burton, Oral G., Marion, Ind. Dehydrator. 2,239,900; Apr. 29.

Buschbeck, Werner, and H. Prost, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna and coaxial transmission line circuit. 2,239,909; Apr. 29.

Bush, Theodore R., Royal Oak, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Press ironer. 2,239,991; Apr. 29.

Buss Machine Works. (See Dick, M. Everett and E. W., assignors.)

Butenandt, Adolf. (See Serini, A., Strassberger, and Butenandt.)

Butterworth, Harry W., Jr., assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa. Reel for dyeing machines and the like. 2,240,386; Apr. 29.

Butterworth, H. W., & Sons Company. (See Butterworth, Harry W., Jr., assignor.)

Byron Jackson Co. (See Hollander, A., and Mayer, assignors.)

Byron Jackson Co. (See Mayer, Waldemar F., assignor.)

Cady, George H. (See Muskat, I. E., and Cady.)

Caldwell, Harry F. (See Tuthill, H. B., and Caldwell.)

Caldwell, William E., New Rochelle, N. Y. Means for eliminating corrosion in economizers. 2,240,206; Apr. 29.

Calkins, Claude C., Spokane, Wash. Automatic power feed regulator. 2,239,777; Apr. 29.

Call, Benjamin G., Tacoma, Wash., assignor to American Smelting and Refining Company, New York, N. Y. Feeding solid reagents in pulverulent condition. 2,240,205; Apr. 29.

Calva, Jose B., assignor of one-third to G. W. Benz, St. Paul, Minn. Treating filamentous materials. 2,240,388; Apr. 29.

Camp, Thomas P. (See Roos, C. K., Jurgensen, and Camp.)

Campbell, Ralph, and F. H. Nass, assignors to Detroit Testing Machine Company, Detroit, Mich. Machine for testing hardness of distortable bodies. 2,240,154; Apr. 29.

Campbell, William A., and M. Lanway, assignors to Wolverine Ice Cream Vending Machine Co., Traverse City, Mich. Vending machine. 2,240,389; Apr. 29.

Cap Products Inc. (See Gillette, John C., assignor.)

Cape, Arthur T., and C. V. Foerster, Jr., Santa Cruz, Calif. Weld rod and coating therefor. 2,240,033; Apr. 29.

Caplan, Solomon, New York, N. Y., assignor to The Harvel Corporation. Ethers of cashew nut shell liquid and process of making them. 2,240,034; Apr. 29.

Carbide and Carbon Chemicals Corporation. (See Toussaint, Walter J., assignor.)

Carbonara, Victor E. (See Kollsman, P., and Carbonara.)

Cardinal Corporation, The. (See Morton, T. J., Jr., and Bauer, assignors.)

Cardox Corporation. (See Ensminger, Harry, assignor.)

Carl-Art, Inc. (See Valcourt, Lawrence, assignor.)

Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Staple setting machine. 2,240,455; Apr. 29.

Carlson, Warner W. (See Stahly, G. L., and Carlson.)

Carnecchia, Promethis. (See Badaracco, John P., assignor.)

Carothers, Harry L., Anthony, Kans. Ventilating device for water closets. 2,240,130; Apr. 29.

Carper, Earl W., assignor of twelve percent to D. F. Zirkle, twelve percent to W. Shouldis, twelve percent to J. C. Shouldis, twelve percent to C. Board, and twelve percent to P. C. Stalnaker, Parkersburg, W. Va. Hair curler. 2,240,241; Apr. 29.

Carré, Suzanne, née Berment, assignor to Société à Responsabilité limitée dite: La Chronostereoscopie, Paris, France. Arrangement for securing stereoscopic cinematographic projections. 2,240,131; Apr. 29.

Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic element. 2,239,698; Apr. 29.

Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Prevention of diffusion of sensitizing dyes. 2,239,699; Apr. 29.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wide band short wave antenna and transmission line system. 2,239,700; Apr. 29.

Carter, Ralph H., and R. Golliong, Johnson City, and C. B. Kingsbury, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Adjustable yarn tension device. 2,240,153; Apr. 29.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Conveyer. 2,239,778; Apr. 29.

Case, Lynn B. (See Egan, F. W., and Case.)

Casey, Charles C., Detroit, Mich. Metal tab attachment. 2,239,840; Apr. 29.

Casey, Hilton W., Boothwyn, assignor of fifty-one hundredths to E. Margolin, and twenty-one hundredths to A. Tollin, Chester, Pa. Power plant. 2,240,011; Apr. 29.

Catherall, Alfred C., Rotherham, England. Securing device. 2,240,035; Apr. 29.

Cawein, Madison. (See Heindel, H. J., Sleeper, and Cawein.)

Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Device for locking the thread carrier bars of flat knitting machines. 2,239,810; Apr. 29.

Celanese Corporation of America. (See Haney, Clifford L., assignor.)

Celanese Corporation of America. (See Martin, Herbert E., assignor.)

Cerne, Fredy A., Chicago, Ill. Antibacklash attachment for fishing reels. 2,240,091; Apr. 29.

Chamberlin, Jess D., Detroit, Mich. Steering column bushing. 2,240,285; Apr. 29.

Champlain Corporation. (See Wickwire, Arthur M., Jr., assignor.)

Chance, A. B., Company. (See Strube, Raymond L., assignor.)

Chappell Drilling Equipment Corporation. (See Chappell, James F., assignor.)

Chappell, James F., Mineola, Tex., assignor to Chappell Drilling Equipment Corporation. Drilling apparatus. 2,239,996; Apr. 29.

Chappell, Ralph R., Richmond, Va., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic control device. 2,240,390; Apr. 29.

Christiansen, Walter G., Glen Ridge, N. J., and J. L. Double, Yeadon, Pa., assignors to E. R. Squibb & Sons, New York, N. Y. Bismuth subsalicylate suspension. 2,240,036; Apr. 29.

Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Apparatus for working sheet metal blanks. 2,240,090; Apr. 29.

Christophersen, Sigurd E., East Milton, Mass., and H. L. Fox, West Haven, Conn. Deflector for locomotives. 2,239,876; Apr. 29.

Cina, Frank P. (See Bauer, C. V., Cina, and Zusy.)

Cities Service Oil Company. (See Kaplan, William, assignor.)

Ciullo, Albert J., et al. (See Ciullo, Vincenzo, assignor.)

Ciullo, Vincenzo, assignor to A. J. Ciullo, and R. Iacomino, jointly, Brooklyn, N. Y. Bed. 2,239,877; Apr. 29.

Clayton, Benjamin, Houston, Tex., W. B. Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif. Refining oils. 2,239,701; Apr. 29.

Clayton, Harold H., assignor to R-B-M Manufacturing Company, Logansport, Ind. Headlight socket. 2,239,878; Apr. 29.

Clark, Jaclyn J., and J. De Vine, Los Angeles, Calif. Traffic game. 2,239,779; Apr. 29.

Closson, John P., Chicago, Ill., assignor, by mesne assignments, to The A. S. Boyle Company. Mop. 2,240,155; Apr. 29.

Clough, Newsome Henry, Brentwood, England, assignor to Radio Corporation of America. Wave generating means. 2,239,910; Apr. 29.

Club Aluminum Products Company. (See Johnson, Ansgarius H., assignor.)

Colbeth, Ivor M., East Orange, assignor to The Baker Castor Oil Company, Jersey City, N. J. Composition for hydraulic systems. 2,240,437; Apr. 29.

Cole, Ira E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 2,239,702; Apr. 29.

Cole of California, Inc. (See Feliegl, Margit, assignor.)

Cole, William P., Tullahoma, Tenn. Drill press work clamp. 2,240,242; Apr. 29.

Colgate-Palmolive-Peet Company. (See Dreger, Emil E., assignor.)

Colton, Henry S., Shaker Heights, Ohio. Building material. 2,240,254; Apr. 29.

Comer, Jack W. (See Gale, Herbert, assignor.)

Commercial Solvents Corporation. (See Wampner, Herbert L., assignor.)

Commonwealth Engineering Corporation. (See Stahly, G. L., and Carlson, assignors.)

Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. (See Mirocourt, H., and Jirou, assignors.)

Connecticut Web and Buckle Company, The. (See Oliver, Lee, assignor.)

Constantine, Nicholas A., Duluth, Minn. Peat treating device. 2,239,879; Apr. 29.

Cook, Elmer W., New York, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating oil and lubrication therewith. 2,239,841; Apr. 29.

Cook, Lyman, assignor to The Foxboro Company, Foxboro, Mass. Control mechanism. 2,240,244; Apr. 29.

Coons, Curtis C., North Canton, and W. H. Kitto, Canton, assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,240,132; Apr. 29.

Coons, Curtis C., North Canton, Ohio, and R. S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,240,173; Apr. 29.

Coons, Curtis C., North Canton, Ohio, and R. S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio. Absorption refrigeration apparatus. 2,240,174; Apr. 29.

Coons, Curtis C., North Canton, Ohio, and R. S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio. Absorption refrigeration apparatus. 2,240,175; Apr. 29.

Coons, Curtis C., North Canton, Ohio, and R. S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,240,176; Apr. 29.

Coons, Curtis C., North Canton, Ohio, and R. S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,240,177; Apr. 29.

Copes, Edward F. (See Fehrenbach, F. X., Copes, and Di Benedetto.)

Corn, Beulah L., Union City, Ind. Ear protector. 2,240,391; Apr. 29.

Corning Glass Works. (See Stratton, Kenneth, assignor.)

Corwin, Harry L., assignor to Vernon Tool Co. Ltd., Los Angeles, Calif. Centrifugal separator. 2,239,992; Apr. 29.

Corwin, Harry L., assignor to Vernon Tool Co. Ltd., Los Angeles, Calif. Vibrating screen. 2,239,993; Apr. 29.

Cousins, Van M., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier. 2,240,286; Apr. 29.

Cox, Isaac E., Kirkwood, assignor to National Bearing Metals Corporation, St. Louis, Mo. Journal bearing. 2,240,111; Apr. 29.

Crank, Alexander C. (See Crank, Kenneth A. and A. C.)

Crank, Kenneth A., Flint, Mich., and A. C. Crank, Clatskanie, Oreg. Surgical knife. 2,240,387; Apr. 29.

Crawford, Frederick C., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Flexible piston ring. 2,239,703; Apr. 29.

Crawford, Henry V., Schenectady, N. Y., assignor to General Electric Company. Protective system. 2,240,207; Apr. 29.

Crimmins, William C., assignor to Delta Electric Company, Marion, Ind. Horn. 2,240,255; Apr. 29.

Croll, Percy, Jr., assignor of three-fourths to J. Sackel, Newark, N. J. Radio apparatus tuning device. 2,240,287; Apr. 29.

Crosby Steam Gage & Valve Company. (See Smith, Norman J., assignor.)

Cross, Carroll N., Middleboro, Mass. Mount. 2,240,208; Apr. 29.

Cross, Carroll N., Middleboro, Mass. Display mount. 2,240,209; Apr. 29.

Crowe, Orley J., and W. J. Hall, Detroit, Mich.; said W. J. Hall assignor of one-half to said O. J. Crowe. Molding. 2,240,288; Apr. 29.

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 2,240,328; Apr. 29.

Crumb, Charles F., Chicago, Ill., assignor to International Harvester Company. Elevator structure. 2,239,994; Apr. 29.

Cüppers, Paul, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Groove testing process and apparatus. 2,239,811; Apr. 29.

Curil, Daniel B., Jr., assignor to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of silicates. 2,239,880; Apr. 29.

Daimler-Benz Aktiengesellschaft. (See Berger, A., and Freitag, assignors.)

Damitz, Frederick M. (See Harvey, M. T., and Damitz.)

Daneke, Dietrich, and W. H. Kushera, assignors to F. M. Bracket, Topeka, Kans. Tipping machine. 2,239,995; Apr. 29.

Darner, Frederic M., Shaker Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for producing tubular articles having varying wall thickness. 2,240,456; Apr. 29.

Davis, George B., Pasadena, Calif. Towel support. 2,239,881; Apr. 29.

Davis, Richard E., assignor to The Oilgear Company, Milwaukee, Wis. Control for hydrodynamic machines. 2,239,882; Apr. 29.

De Baufre, William L., and T. A. Filipi, Lincoln, Nebr.; said Filipi assignor to said De Baufre. Expansion engine. 2,239,883; Apr. 29.

De Boer, Jan H., R. J. H. Alink, and J. J. A. Jonkers, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, as trustee, Hartford, Conn. Light-sensitive layer and making the same. 2,239,704; Apr. 29.

Deeley, Lawrence J., Bloswale, N. Y. Variable push rod for Diesel injectors. 2,239,884; Apr. 29.
Deere & Company. (See Frederiksen, Carl J., assignor.)
De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
Delta Electric Company. (See Crimmins, William C., assignor.)
Delta Manufacturing Company, The. (See Tautz, Herbert E., assignor.)
Demag Aktiengesellschaft. (See Backhaus, Karl, assignor.)
Dempster, George R., Knoxville, Tenn. Transporting and dumping container. 2,239,871; Apr. 29.
De Polx, Henri M. J. T., Ruell, France, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Bag for preserving foodstuffs and method of making. 2,240,245; Apr. 29.
Dergance, Ralph R., Denver, Colo. Ore grinder. 2,239,952; Apr. 29.
Detroit Duo-Grip Brake Company. (See Rosenberg, Ralph H., assignor.)
Detroit Testing Machine Company. (See Campbell, R. and Nuss, assignors.)
Deuble, John L. (See Christiansen, W. G., and Deuble.)
De Urzaiz, Luis, New York, N. Y. Electrical conductor terminal. 2,239,812; Apr. 29.
De Vine, Jerry. (See Clark, J. J., and De Vine.)
Dewey and Almy Chemical Company. (See de Polx, Henri M. J. T., assignor.)
Di Benedetto, Albert. (See Fehrenbach, F. X., Copes, and Di Benedetto.)
Dick, Elden W. (See Dick, M. Everett and E. W.)
Dick, M. Everett and E. W., assignors to Buss Machine Works, Holland, Mich. Planer pressure shoe adjustment. 2,239,705; Apr. 29.
Dietz, Karl, Cronberg in Taunus, Germany, assignor, by mesne assignments, to Pen-Chlor, Incorporated, Philadelphia, Pa. Water-glass cement powder and the preparation of cement mortar therefrom. 2,240,393; Apr. 29.
Dillenburger, Wolfgang, Berlin-Zehlendorf, and K. Thöm, Berlin-Lichterfelde-Süd, assignors to Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Control voltage limiter for cathode ray tube receivers. 2,240,289; Apr. 29.
Ditto, Incorporated. (See Avery, Maurice R., assignor.)
Ditto, Incorporated. (See Bjorksten, Johan, assignor.)
Ditto, Incorporated. (See Bour, Robert C., assignor.)
Ditto, Incorporated. (See Hoskins, W., Jr., and Bour, assignors.)
Divco-Twin Truck Company. (See Nyquist, George M., assignor.)
Doane, Leroy C., assignor to The Doane Products Corporation, Meriden, Conn. Luminaire for multiple fluorescent lamps. 2,240,179; Apr. 29.
Doane Products Corporation, The. (See Doane, Leroy C., assignor.)
Dodson, Harry L. (See Ruths, R. J., and Dodson.)
Dorn, Fred, Chicago, Ill. Float actuated fishhook setter. 2,239,911; Apr. 29.
Dorr Company, The. (See Linch, H. A., and Scott, assignors.)
Doty, George A. (See Kimball, S. F., and Doty.)
Douglass, Fred M., et al. (See Dunlap, Kenneth J., assignor.)
Dowell, Henry L., Athens, assignor of one-half to B. S. Allen, Dallas, Tex. Nozzle. 2,240,392; Apr. 29.
Dreger, Emil E., Summit, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Method of treating tall oil. 2,240,365; Apr. 29.
Dreyer, Albert, Lucerne, Switzerland. Metal tubing. 2,240,210; Apr. 29.
Driver, Wilbur B., Co. (See Allen, V. O., and Marsden, assignors.)
Dubell, Michael, Chicago, Ill. Fishing bobber. 2,239,813; Apr. 29.
Du Brie, Stanley R., Detroit, Mich. Wind motor. 2,240,290; Apr. 29.
Duisburger Kupferhütte, et al. (See Wolf, H., Kuss, Hohn, and Stietzel, assignors.)
Dunlap, Kenneth J., assignor of one-third to L. L. Levy, and one-third to F. M. Douglass, Toledo, Ohio. Remote station recording. 2,240,068; Apr. 29.
Du Pont, E. I. de Nemours & Company. (See Izard, Emmette F., assignor.)
Dupuis, Ervern F. (See Mills, H. E., and Dupuis.)
Durable Mat Company. (See Bell, Harry W., assignor.)
Durant, Lyndon A. (See Williams, H. E., and Durant.)
Durant, Walter W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Glass sealing plug for blasting caps. 2,240,438; Apr. 29.
During, William J., assignor to Precision Castings Company, Inc., Syracuse, N. Y. Handle. 2,240,133; Apr. 29.
Eastman Kodak Company. (See Carroll, Burt H., assignor.)
Eastman Kodak Company. (See Simmons, Norwood L., assignor.)
Eastman Kodak Company. (See Simmons, N. L., and Swan, assignors.)
Eastman Kodak Company. (See Swan, Donald R., assignor.)
Eastman Kodak Company. (See Swan, D. R., and Lindquist, assignors.)
Eaton, George, Cleveland, Ohio. Electric plug. 2,240,394; Apr. 29.
Eaton Manufacturing Company. (See Hoern, Joseph H., assignor.)
Eaton, Roland D., Boston, assignor to X-Ray Flash Lamp Corporation, Newton, Mass. Method and apparatus for producing X-ray flashes. 2,240,037; Apr. 29.
Edson, Earle R., Gloucester, and C. Q. Ives, Reading, assignors to Le Page's Inc., Gloucester, Mass. Paper-sizing composition. 2,239,814; Apr. 29.
Egan, Frank W., West Englewood, and L. B. Case, assignors to John Waldron Corporation, New Brunswick, N. J. Printing machine. 2,240,112; Apr. 29.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,240,134; Apr. 29.
Eigenbrode, Edwin M. (See Reimschissel, C. A., and Eigenbrode.)
Eksergian, Carolus L. (See Eksergian, Rupen and Carolus L.)
Eksergian, Rupen, Lansdowne, Pa., and C. L. Eksergian, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake. 2,240,366; Apr. 29.
Ekstedt, Henry V., assignor to E. F. Pohl, St. Louis, Mo. Electric steaming iron. 2,240,211; Apr. 29.
Electric & Musical Industries Limited. (See Nicoll, Frederick H., assignors.)
Electric Storage Battery Company, The. (See Graf, Ernest, assignor.)
Electric Storage Battery Company, The. (See Riggs, H. C., and Leingang, assignors.)
Electric Storage Battery Company, The. (See Smith, Edward M., assignor.)
Electrical & Musical Industries Limited. (See Percival, William S., assignor.)
Electro-Acoustic Engineers. (See Bottorff, Paul A., assignor.)
Electro Metallurgical Company. (See Kinzel, Augustus B., assignor.)
Electronic Research Corporation. (See Bennett, Willard H., assignor.)
Elenbaas, Willem, and G. B. Jonas, Eindhoven, Netherlands. Glass composition. 2,240,327; Apr. 29.
Elmendorf, Armin, Winnetka, Ill. Box and corner construction therefor. 2,240,256; Apr. 29.
Emulsions Process Corporation. (See Pelk, Paul G., assignor.)
Emulsol Corporation, The. (See Epstein, A. K., and Katzman, assignors.)
Emulsol Corporation, The. (See Katzman, Morris, assignor.)
Engel, Karl, Swampscott, and C. S. Kinney, Middleton, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lasting machine. 2,239,815; Apr. 29.
Engels, Eugene O., assignor to Baker Perkins, Inc., Saginaw, Mich. Furnace for roasting corn flakes or the like loose discrete materials. 2,240,291; Apr. 29.
Ensminger, Harry, assignor to Cardox Corporation, Chicago, Ill. Fire extinguisher liquid pickup apparatus. 2,239,816; Apr. 29.
Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Nitrogenous compounds. 2,239,706; Apr. 29.
Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Wetting agent. 2,239,997; Apr. 29.
Equitable Paper Bag Co. Inc. (See Bochow, Walter, assignor.)
Equitable Paper Bag Co. Inc. (See Poppe, George W., assignor.)
Errett, David F., Weston, Ohio. Lug for tractor wheels. 2,240,092; Apr. 29.
Errett, Sanford J., Portland, Oreg. Cutting and welding torch. 2,239,885; Apr. 29.
Evans, Seth, assignor to Hughes Tool Company, Houston, Tex. Valve indicator. 2,239,842; Apr. 29.
Evans, William J., Bulwell, Nottingham, England. Table and the like. 2,240,395; Apr. 29.
Fairbank, Clarence C., Detroit, Mich., assignor to The Standard Products Company, Cleveland, Ohio. Scuff plate. 2,240,181; Apr. 29.
Fairlie, Matthew, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,239,953; Apr. 29.
Falk Corporation, The. (See Bade, Alfred G., assignor.)
Falk Corporation, The. (See Schmitter, W. P., and Bade, assignors.)
Fanselau, Werner, Berlin-Tempelhof, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany. Cathode for electron discharge tubes. 2,239,954; Apr. 29.
Farnsworth, Virlan L. (See Fellcke, K., and Farnsworth.)
Farris, Obren M., Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Apparatus for handling glassware. 2,240,093; Apr. 29.
Faulkender, Clyde R., Ames, Iowa, assignor to Milkweed Products Development Corporation, Chicago, Ill. Separation of plant fibers. 2,240,113; Apr. 29.
Fechheimer, Paul R., and C. F. Rottmueller, assignors to The Karl Kiefer Machine Company, Cincinnati, Ohio. Bottle cleaning mechanism. 2,240,069; Apr. 29.
Fehrenbach, Frank X., E. F. Copes, and A. Di Benedetto, Philadelphia, Pa. Planing machine. 2,239,707; Apr. 29.

Fellcke, Karl, and V. L. Farnsworth, assignors to The Perfection Steel Body Company, Galion, Ohio. Hydraulic hoist mechanism. 2,239,843; Apr. 29.
Feldbush, Harry A., Short Hills, and E. E. Wagner and C. F. Hendrie, Newark, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Power plant refrigerating system. 2,239,886; Apr. 29.
Feldman, Jacob B., Philadelphia, Pa. Apparatus for determining the minimum light visible. 2,240,156; Apr. 29.
Fellegi, Margit, assignor to Cole of California, Inc., Los Angeles, Calif. Sleeve construction for garments. 2,239,998; Apr. 29.
Ferguson, Edgar A., Jr., Brooklyn, N. Y. Pituitary product and process of preparing the same. 2,240,212; Apr. 29.
Fernholtz, Emil G., assignor of one-half to E. A. Jackson, Merced, Calif. Heater. 2,240,367; Apr. 29.
Fernseh Aktiengesellschaft. (See Dillenburger, W., and Thöm, assignors.)
Fernseh Aktiengesellschaft. (See Fanselau, Werner, assignor.)
Ferrant, Wolfgang, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Luminescent screen. 2,239,887; Apr. 29.
Ferris, T. E. (See Judd, Elroy F., assignor.)
Fialip, Robert J. M., Paris, assignor to L. Picard, Frileuse par Brils-Sous-Forges, France. Dropper combined with cap for phials and the like. 2,240,329; Apr. 29.
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Soaped pad, method and product. 2,240,114; Apr. 29.
Field, Crosby, Brooklyn, and G. C. Toole, St. Albans, N. Y., assignors to Brillo Manufacturing Company, Inc. Forming and impregnating fibrous pads. 2,240,135; Apr. 29.
Filipi, Theodore A. (See De Baufre, W. L., and Filipi.)
Fikentscher, Hans, and H. Jacqué, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Process for improving the properties of thermoplastic, film-forming, organic substances. 2,239,780; Apr. 29.
Fink, William L. (See Smith, D. W., and Fink.)
Firestone Tire & Rubber Company, The. (See Bosomworth, George P., assignor.)
Fischer, Frederick K., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Closure member for high pressure heads. 2,239,912; Apr. 29.
Fisher, Herman G., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y. Action toy. 2,240,439; Apr. 29.
Fisher-Price Toys, Inc. (See Fisher, Herman G., assignor.)
Flagg, Andrew B., North Attleboro, and J. A. Reese, Attleboro, Mass. Surgical needle or the like. 2,240,330; Apr. 29.
Foerster, Charles V., Jr. (See Cape, A. T., and Foerster.)
Foreman, William H., Ahoskie, N. C. Ventilated toilet bowl. 2,240,094; Apr. 29.
Forrester, Samuel C., assignor to Fulton Bag and Cotton Mills, Atlanta, Ga. Vehicle cover supporting structure. 2,239,888; Apr. 29.
Foss, William L., Washington, D. C., assignor to Howton Radio Alarm Company, Seattle, Wash. Radio alarm system. 2,239,672; Apr. 29.
Foster, Dudley E., South Orange, N. J., and G. Mountjoy, Manhasset, N. Y., assignors to Radio Corporation of America. Automatic volume control circuits. 2,239,844; Apr. 29.
Fowler, Owen H., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,239,673; Apr. 29.
Fox, Harry L. (See Christophersen, S. E., and Fox.)
Fox, Raymond S. (See Terry, S. B., and Fox.)
Foxboro Company, The. (See Cook, Lyman, assignor.)
Foxboro Company, The. (See Mason, Clesson E., assignor.)
France, Lloyd V., St. Paul, Minn. Artificial honeycomb. 2,239,708; Apr. 29.
Frank, William H., Detroit, Mich. Continuous outlet system. 2,240,180; Apr. 29.
Franklin, O. M., Serum Company. (See Stone, Ernest G., assignor.)
Frederickson, Clayton E., Chicago, Ill. Dual wheel. 2,239,674; Apr. 29.
Frederiksen, Carl J., assignor to Deere & Company, Moline, Ill. Tractor mower. 2,240,292; Apr. 29.
Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Inertia-operated ratio changing brake actuating system. 2,239,955; Apr. 29.
Freitag, Reinhold. (See Berger, A., and Freitag.)
Freysinger, John B., assignor to North and Judd Manufacturing Company, New Britain, Conn. Buckle. 2,240,012; Apr. 29.
Frisbie, Marshall H. (See Gilbert, A. C., and Frisbie.)
Fromm, Herbert, Hamburg, Wis. Homogenizer. 2,240,213; Apr. 29.
Fulton Bag and Cotton Mills. (See Forrester, Samuel C., assignor.)
Fulton, Karl H., Pittsburgh, Pa. Pipe coating. 2,240,384; Apr. 29.
G & W Electric Specialty Co. (See Papp, Andrew E., assignor.)
Gagnier, George E. (See Place, Blon C., assignor.)
Gagnon, Louis L., and H. L. Moulton, assignors to American Optical Company, Southbridge, Mass. Ophthalmic lens. 2,240,157; Apr. 29.
Gale, Herbert, assignor of one-half to J. W. Comer, Kansas City, Mo. Windshield defroster. 2,240,013; assignor.)
Gallinger, Hiram B., Superior, Wis. Door catch. 2,239,956; Apr. 29.
Galt, Dwight B. (See Swimley, Owen M., assignor.)
Gasoline Products Company. (See Baker, Albert L., assignor.)
Gathmann, Emil, assignor to Gathmann Research Incorporated, Catonsville, Baltimore, Md. Ingot mold and ingot. 2,240,396; Apr. 29.
Gathmann Research Incorporated. (See Gathmann, Emil, assignor.)
Gaylord Container Corporation. (See Beaman, George B., assignor.)
Geffcken, Heinrich. (See Honnef, H., and Geffcken.)
Geiger, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling apparatus. 2,240,136; Apr. 29.
Geiger, Walter J., and R. J. Ayres, Cleveland Heights, Ohio, assignors to General Electric Company. Lamp string. 2,240,331; Apr. 29.
Geiszler, Albert. (See Hanft, H., and Geiszler.)
Genda, Chujiro, Beverly Hills, Calif. Stove. 2,239,957; Apr. 29.
General Aniline & Film Corporation. (See Fikentscher, H., and Jacqué, assignors.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Crawford, Henry V., assignor.)
General Electric Company. (See Ferrant, Wolfgang, assignor.)
General Electric Company. (See Geiger, W. J., and Ayres, assignors.)
General Electric Company. (See Hahn, William C., assignor.)
General Electric Company. (See Hathaway, Claude M., assignor.)
General Electric Company. (See Hodge, William F., assignor.)
General Electric Company. (See Linde, L. J., and Seaman, assignors.)
General Electric Company. (See Newman, Delbert F., assignor.)
General Electric Company. (See Schmidt, R., and Hänlein, assignors.)
General Electric Company. (See Schnetzler, Karl G., assignor.)
General Electric Company. (See Young, W. R., and Bryant, assignors.)
General Motors Corporation. (See Alexander, D. F., Henney, and Paulus, assignors.)
General Motors Corporation. (See Smith, Nelson J., assignor.)
General Printing Ink Corporation. (See Heitschmidt, William F., assignor.)
Gervais, Fred J., et al. (See Newhardt, Joseph B., assignor.)
Geyer, William O., Bloomfield, N. J. Thermometer. 2,240,070; Apr. 29.
Geyer, William O. (See Kain, Lewis V., assignor.)
Geyer, William O. (See Rader, Porter H., assignor.)
Gibbons, Anna. (See Gibbons, Francis J. and J. J., assignors.)
Gibbons, Francis J. and J. J., Scranton, Pa., assignors of one-third to A. Gibbons, Brentwood, Md. Attachment for dental handpieces. 2,239,845; Apr. 29.
Gibbons, John J. (See Gibbons, Francis J. and J. J.)
Gibson, Joseph A., Kimball, Nebr. Loose-leaf binder. 2,239,958; Apr. 29.
Gibson, William, Sidcup, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Feed roller for printing and like machinery. 2,240,257; Apr. 29.
Gifford, Arthur H., Santa Maria, Calif. Electrical connection plug. 2,239,846; Apr. 29.
Gilbert, A. C., Company, The. (See Gilbert, A. C., and Frisbie, assignors.)
Gilbert, A. C., Company, The. (See Smith, William R., assignor.)
Gilbert, Alfred C., and M. H. Frisbie, Hamden, assignors to The A. C. Gilbert Company, New Haven, Conn. Trippable plural interlock car coupling. 2,240,137; Apr. 29.
Gilbert & Barker Manufacturing Company. (See Grisé, Alfred L., assignor.)
Giles, Leonard H., Odessa, Tex., assignor of forty per cent to D. C. Sears, Hobbs, N. Mex. Rock drill bit cone catcher. 2,240,095; Apr. 29.
Gillette, John C., assignor to Cap Products Inc., Dayton, Ohio. Automatic time switch. 2,239,999; Apr. 29.
Gillette, John C., assignor to Cap Products Inc., Dayton, Ohio. Automatic multiple time switch. 2,240,000; Apr. 29.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gillette Safety Razor Company. (See Prescott, Robert S., assignor.)
Gisolfi, Joseph, Brooklyn, N. Y. Candle base. 2,240,071; Apr. 29.

Gladding, McBean & Co. (See Peebles, Joseph B., assignor.)
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Piezoelectric filter. 2,240,293; Apr. 29.
Goldstein, Aaron D., assignor of one-half to J. Rothman, New York, N. Y. Garment. 2,240,448; Apr. 29.
Goldstein, Julius, Brooklyn, N. Y. Separator device. 2,239,709; Apr. 29.
Golicke, Roman, Falkenhain, near Falkensee, and A. Jaumann, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. High-frequency measuring resistor. 2,239,781; Apr. 29.
Gollong, Richard. (See Carter, R. H., Gollong, and Kingsbury.)
Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Machine tool. 2,239,847; Apr. 29.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Gora, Henry Z., Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Valve stem of the capless type. 2,240,096; Apr. 29.
Gordon, James H., Jr., Union, N. J., assignor to American Can Company, New York, N. Y. Synchronizing mechanism. 2,239,710; Apr. 29.
Graf, Ernest, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Nonspill vent plug. 2,240,457; Apr. 29.
Graham, George A., deceased; N. L. Graham, administratrix, and H. W. Parmer, Oceanport, N. J. Printing telegraph machine. 2,239,711; Apr. 29.
Graham, George A., deceased; N. L. Graham, administratrix, and H. W. Parmer, Fort Monmouth, Oceanport, N. J. Ribbon feed mechanism for printing telegraph machines. 2,239,712; Apr. 29.
Graham, Nan L., administratrix. (See Graham, G. A., and Parmer.)
Grand Rapids Store Equipment Company (See Vanderveld, Anthony, assignor.)
Gray, Lloyd R., San Diego, Calif. Course converter for conveyances. 2,239,959; Apr. 29.
Greif, Edward J., assignor to Borg-Warner Corporation, Chicago, Ill. Apparatus for forming metal parts. 2,240,294; Apr. 29.
Griffiths, A. H. (See Holmes, D. C., and Griffiths.)
Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dispensing hose and hose handling apparatus for mounting and dispensing pumps. 2,240,458; Apr. 29.
Green, A. P., Fire Brick Company. (See Homolya, Harry P., assignor.)
Gross, Gilbert O., Greenfield, Iowa. Building structure. 2,239,817; Apr. 29.
Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Television receiver. 2,240,295; Apr. 29.
Gruner, William P. (See Uhri, W. C., Jr., and Gruner.)
Guldner, Charles M. (See Brice, N. E., and Guldner.)
Guldner, Charles M., Jr., Granite Springs, and E. Pick, East Rockaway, assignors to The Permutit Company, New York, N. Y. Apparatus for desludging settling tanks. 2,240,182; Apr. 29.
Gustafsson, Eric. (See Bramsen, S., Gustafsson, and McMartin.)
Gwinn, Joseph M., Jr., Buffalo, N. Y. Aircraft. 2,240,258; Apr. 29.
Gwinn, Joseph M., Jr., Buffalo, N. Y. Aircraft. 2,240,259; Apr. 29.
Hahn, William C., Scotia, N. Y., assignor to General Electric Company. Electric discharge device. 2,240,183; Apr. 29.
Hall, Carl C., Woodland, Calif. Separator and blower for insulating materials. 2,239,913; Apr. 29.
Hall, William J. (See Crowe, Orley J., and Hall.)
Hammell, Charles H., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Apparatus for abrasively treating metal objects. 2,239,714; Apr. 29.
Hammell, Charles H., assignor to American Foundry Equipment Company, Mishawaka, Ind. Apparatus for cleaning metal articles. 2,240,246; Apr. 29.
Haney, Clifford L., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Precipitation of organic derivatives of cellulose materials. 2,239,782; Apr. 29.
Hanft, Hans, Munich, and A. Geiszler; said Geiszler assignor to Berlin-Suhler Waffen-Und Fahrzeugwerke G. m. b. H., Suhl, Germany. Joint for the connection of shafts. 2,239,675; Apr. 29.
Hänlein, Walter. (See Schmidt, R., and Hänlein.)
Hanlon and Wilson Company. (See Wilson, John R., assignor.)
Hannum, William B., Jr. (See Hannum, William B., Sr., and W. B., Jr.)
Hannum, William B., Sr., Woodmere, and W. B. Hannum, Jr., Jamaica, N. Y. Cutting and measuring device. 2,240,296; Apr. 29.
Harbart, Walter C., Los Angeles, Calif. Dentist's plastic tray. 2,239,960; Apr. 29.
Harris, Clifford T. (See Watkins, C. A., Wright, and Harris.)
Hart, Lester C., assignor to Hi-Voltage Equipment Company, Cleveland, Ohio. High tension fuse construction. 2,240,260; Apr. 29.
Hartford-Empire Company (See Willetts, Paul G., assignor.)
Hartford National Bank and Trust Company, as trustee. (See de Boer, J. H., Alink, and Jonkers, assignors.)
Harvel Corporation, The. (See Caplan, Solomon, assignor.)
Harvel Corporation, The. (See Harvey, M. T., and Damitz, assignors.)
Harvey, Elizabeth S., administratrix. (See Harvey, Walter G.)
Harvey, Mortimer T., East Orange, and F. M. Damitz, Millburn, N. J., assignors to The Harvel Corporation. Polymerization of cashew nut shell liquid and products thereof. 2,240,038; Apr. 29.
Harvey, Walter G., Los Angeles, Calif.; E. S. Harvey, administratrix. Sterilizer. 2,240,001; Apr. 29.
Hathaway, Charles E., New York, N. Y. Valve gear. 2,239,713; Apr. 29.
Hathaway, Claude M., Niskayuna, N. Y., assignor to General Electric Company. Electric gauge. 2,240,184; Apr. 29.
Haupt, Walter H., Ludlow, H. S. Ware, Fort Mitchell, and C. Tietig, assignors to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky. Searchlight. 2,240,297; Apr. 29.
Hazel-Atlas Glass Company. (See Farris, Obren M., assignor.)
Hazeltine Corporation (See Brunn, Robert B. J., assignor.)
Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe and heel therefor. 2,239,818; Apr. 29.
Heald Machine Company, The. (See Blood, Harold L., assignor.)
Heberlein, Georges, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Flocked pattern effects in cellulosic fabrics and the production thereof. 2,239,914; Apr. 29.
Heberlein Patent Corporation. (See Heberlein, Georges, assignor.)
Heidelmeyer, Max, Niedersedlitz, and F. Becher, Dresden-Mockritz, assignors to J. M. Lehmann, Dresden, Germany. Conveyor system for the molds in machines for casting or molding chocolate or the like. 2,240,214; Apr. 29.
Heindel, Harold J., Flushing, M. B. Sleeper, New York, and M. Cawein, Manhasset, assignors to Andrea Radio Corp., Woodside, N. Y. Dipole antenna. 2,240,298; Apr. 29.
Heinze, William A., Chicago, and W. F. Bernstein, Brookfield, assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Molded fluid seal with integral housing. 2,240,332; Apr. 29.
Heitschmidt, William F., Chicago, Ill., assignor to General Printing Ink Corporation, New York, N. Y. Masking device for cameras. 2,239,783; Apr. 29.
Hendrie, Charles F. (See Feldbush, H. A., Wagner, and Hendrie.)
Hennessy, Daniel E., Leominster, assignor to Springfield Wire & Tinsel Co., West Springfield, Mass. Tangling wire. 2,240,185; Apr. 29.
Henney, Charles F. (See Alexander, D. F., Henney, and Paulus.)
Henry, Harold G., King City, Calif. Signaling device. 2,239,676; Apr. 29.
Hercules Powder Company. (See Peterson, Ernest G., assignor.)
Herman, Jean F. (See Museller, Bernard G. M., assignor.)
Herter, Frederic J., East Cleveland, Ohio. Railway car door structure. 2,240,115; Apr. 29.
Hessel, Frederick A. (See McKee, R. H., and Hessel.)
Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)
Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selector switch. 2,240,039; Apr. 29.
Hillenbrand, William. (See Baldwin, J., and Hillenbrand.)
Hillis, David R., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Fluid distributing system. 2,240,158; Apr. 29.
Hipple, James L., Canton, Ill., assignor to International Harvester Company. Tillage implement. 2,239,961; Apr. 29.
Hoag, Paul F., Brooklyn, N. Y., and P. D. Payne, Irvington, N. J.; said Payne assignor to said Hoag. Towel dispensing apparatus. 2,239,850; Apr. 29.
Hobbs, Rodney C., Hammond, Ind. Boat anchor. 2,239,889; Apr. 29.
Hobrock, Raymond H. (See Quarnstrom, B. L., and Hobrock.)
Hodell, Frederick G., Gates Mills, assignor to The Hodell Chain Company, Cleveland, Ohio. Traction device. 2,240,261; Apr. 29.
Hodell Chain Company, The. (See Hodell, Frederick G., assignor.)
Hodgdon, Paul E., Heartwellville, Readsboro, Vt., and E. C. La Belle, Monroe Bridge, Mass. Translucent laminated article. 2,240,072; Apr. 29.
Hodge, William F., East Orange, N. J., assignor, by mesne assignments, to General Electric Company. Support for gaseous discharge lamps. 2,240,333; Apr. 29.

Hoe, R., & Co. (See Pondorf, Friedrich, assignor.)
Hoern, Joseph H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Apparatus for honing internal screw threads. 2,240,440; Apr. 29.
Hoffert, Roy G., assignor to Ajax Tool and Die Company, Racine, Wis. Stapling machine. 2,239,963; Apr. 29.
Hoffert, Roy G., Racine, Wis. Automatic clutch for wire stitching machines. 2,239,964; Apr. 29.
Hohn, Hans. (See Wolf, H., Kuss, Hohn, and Stietzel.)
Hollander, Aladar, and W. F. Mayer, Los Angeles, assignors to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,239,715; Apr. 29.
Holleman, Joe, Eastland, Tex. Headlight control mechanism. 2,240,397; Apr. 29.
Holley, Earl, et al. (See Olson, Elmer, assignor.)
Holley, George M., et al. (See Olson, Elmer, assignor.)
Holme, Mary E., Carlinville, Ill. Valuation exhibitor. 2,239,819; Apr. 29.
Holmes, Dan C., Paris, France, and A. H. Griffiths, Chequers Hill, Amersham, assignors to Self-Adjusting Tappets Limited, London, England. Valve actuating mechanism. 2,240,299; Apr. 29.
Holmes, Eric L., London, England, assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Purifying gelatin. 2,240,116; Apr. 29.
Homeyer, August H. (See Whitmore, F. C., and Homeyer.)
Homolya, Harry P., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Wall anchoring means. 2,240,117; Apr. 29.
Honnef, Hermann, Berlin, and H. Geffcken, Berlin-Charlottenburg, Germany. Power generating system. 2,240,262; Apr. 29.
Hooton, John, Linden, N. J., assignor to Standard Oil Development Company. Stabilization of ethers. 2,240,040; Apr. 29.
Hoover Company, The. (See Brace, George A., assignor.)
Hoover Company, The. (See Coons, C. C., and Kitto, assignors.)
Hoover Company, The. (See Coons, C. C., and Nelson, assignors.)
Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Testing apparatus. 2,239,890; Apr. 29.
Horger, Ralph E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive rod bearing. 2,239,891; Apr. 29.
Horn, Charles L. (Se Reed, Cortes F., assignor.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper blade and arm assembly. 2,240,369; Apr. 29.
Hosiery Patents Incorporated. (See Weisbecker, Frank G., assignor.)
Hoskins, William, Jr., La Grange, and R. C. Bour, assignors to Ditto, Incorporated, Chicago, Ill. Hectograph blanket and backing thereof. 2,240,041; Apr. 29.
Hotaling, Henry S., Albany, N. Y. Garment supporting loop. 2,240,097; Apr. 29.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Spray nozzle. 2,239,716; Apr. 29.
Howard, George E., Butler, Pa. Motor vehicle control apparatus. 2,239,962; Apr. 29.
Howton Radio Alarm Company. (See Foss, William L., assignor.)
Hudson, Jesse B., Philadelphia, Pa., assignor to Trans-Lux Corporation, New York, N. Y. Rear projection screen. 2,239,784; Apr. 29.
Hudson Motor Car Company. (See Meech, James H., assignor.)
Huet, André, Paris, France. Superheater element. 2,240,372; Apr. 29.
Hufschmid, Alfred, Zurich, Switzerland. Adjustable wrench. 2,240,370; Apr. 29.
Hultt, Lionel H., Rangoon, Burma, British India. Cinematography. 2,240,398; Apr. 29.
Hunter, James H., Lansdowne, Pa., assignor to Radio Corporation of America. Manufacture of phonograph tion plastic mount and pin stem joint or catch. records. 2,240,300; Apr. 29.
Huntington, Thomas, Fossil, Oreg. Braking runner for hauling vehicles. 2,240,399; Apr. 29.
Huntley Manufacturing Co. (See Paul, Frederick J., assignor.)
Hurewitz, Alexander, Bronx, N. Y., assignor, by mesne assignments, to A. E. Waller Company, Inc. Combina- 2,240,441; Apr. 29.
Hutchinson, Urlah, New York, N. Y. Serving or dispensing container. 2,240,215; Apr. 29.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,239,965; Apr. 29.
Hufford, Enid W. (See Scalph, O. V., and Hufford.)
Hughes Tool Company. (See Evans, Seth, assignor.)
Hughes Tool Company. (See Neuhaus, Ralph, assignor.)
Hunt, Frederick V., Belmont, and J. A. Pierce, Cambridge, Mass. Electromechanical-conversion device. 2,239,717; Apr. 29.
Hunt, George H., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle brake. 2,239,916; Apr. 29.
Hunt, Seymour, Jackson Heights, N. Y., assignor to Radio Corporation of America. Signal rectifier circuit. 2,239,915; Apr. 29.
Hunter, Irving, and A. B. Short, assignors of seventy-five percent to L. S. Whedon, Medina, and twenty-five percent to B. A. Bean, Jr., Buffalo, N. Y. Adjustable vehicle seat support. 2,239,917; Apr. 29.
Hydraulic Brake Company. (See Fowler, Owen H., assignor.)
Hydril Company of California. (See Stone, Frederick and A. L., assignors.)
I. G. Farbenindustrie Aktiengesellschaft, et al. (See Wolf, H., Kuss, Hohn, and Stietzel, assignors.)
Iacomino, Ralph, et al. (See Ciullo, Vincenzo, assignor.)
Iams, Harley A., Berkeley Heights, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,240,186; Apr. 29.
Illinois Clay Products Company, The. (See Jones, Otis L., assignor.)
Industrial Machine Corporation. (See McHugh, Joseph P., assignor.)
International Harvester Company. (See Crumb, Charles F., assignor.)
International Harvester Company. (See Hipple, James L., assignor.)
International Harvester Company. (See Kriegbaum, George M., assignor.)
International Harvester Company. (See Millard, Lee P., assignor.)
International Harvester Company. (See Scarlett, Arthur A., assignor.)
International Harvester Company. (See Young, Stephen M., assignor.)
Ives, Charles Q. (See Edson, E. R., and Ives.)
Izard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of matter and pellicles of polyvinyl alcohol. 2,239,718; Apr. 29.
Jackman, Arthur E., Jr., assignor to The Timken Roller Bearing Company, Canton, Ohio. Power reverse gear. 2,239,893; Apr. 29.
Jackson, Corwill, Ludington, Mich. Tamping and like implement. 2,239,785; Apr. 29.
Jackson, E. A. (See Fernholtz, Emil G., assignor.)
Jackson, George A., Tulsa, Okla. Air conditioning apparatus. 2,239,848; Apr. 29.
Jacqué, Heinrich. (See Fikentscher, H., and Jacqué.)
Jarrett, John N., Toronto, Ontario, Canada. Hammer. 2,239,719; Apr. 29.
Jaumann, Andreas. (See Golicke, R., and Jaumann.)
Jenkins Bros. (See Gora, Henry Z., assignor.)
Jenkins, Russell L., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Substituted phenols. 2,240,073; Apr. 29.
Jirou, Marcel G. (See Mirocourt, H., and Jirou.)
Jobst, Günther, Berlin, Germany. Method of electron control. 2,239,677; Apr. 29.
Jobst, Günther, Berlin, Germany. Shock excitation system. 2,239,678; Apr. 29.
Johns, Ray A., Borinquen Field, P. R. Slide fastener lock. 2,240,138; Apr. 29.
Johnson, Ansgarius H., assignor to Club Aluminum Products Company, Chicago, Ill. Dispensing device. 2,239,966; Apr. 29.
Johnson, Daniel C., Chapel Hill, N. C. Door latch. 2,240,400; Apr. 29.
Johnson, Gustave A., Weymouth, assignor to New England Bedding Company, Medford, Mass. Couch bed. 2,240,216; Apr. 29.
Johnson, Harry D., English, Ind. Folding table. 2,240,301; Apr. 29.
Johnson, Rudolph A. (See Reppert, R., and Johnson.)
Johnston, Charles S., Chicago, Ill. Running board. 2,240,217; Apr. 29.
Johnston, Leah M. (See Rocheleau, Leo A., assignor.)
Johnstone, Harold G., Oak Park, and C. W. Robbins, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Computing system. 2,239,892; Apr. 29.
Jonas, Gottfried B. (See Elenbaas, W., and Jonas.)
Jones, Bertha L., Cleveland, Ohio. Protector. 2,239,679; Apr. 29.
Jones, Hugh H., Birmingham, Ala. Composition for impregnating grinding wheels. 2,240,302; Apr. 29.
Jones, Mack C., Haddon Heights, N. J., assignor to Radio Corporation of America. Voltage multiplying system. 2,239,786; Apr. 29.
Jones, Otis L., assignor to The Illinois Clay Products Company, Joliet, Ill. Refractory cement. 2,240,159; Apr. 29.
Jonkers, Johannes J. A. (See de Boer, J. H., Alink, and Jonkers.)
Jordan, A. G., Manufacturing Company. (See Jordan, Claude S., assignor.)
Jordan, Claude S., Culver City, Calif., assignor to A. G. Jordan Manufacturing Company. Spray gun. 2,240,401; Apr. 29.
Joroslow, Jack, Los Angeles, Calif., assignor to Plastic Process Company. Illuminated microscope. 2,240,402; Apr. 29.
Judd, Elroy F., El Campo, assignor, by mesne assignments, to T. E. Ferris, Harris County, Tex. Vehicle axle. 2,239,849; Apr. 29.

Jurgensen, Delbert F., Jr. (See Roos, C. K., Jurgensen, and Camp.)
Kaallan, Albert K., Honolulu, Hawaii. Automatic gasket punch. 2,240,139; Apr. 29.
Kaln, Lewis V., assignor to W. O. Geyer, Bloomfield, N. J. Stopcock. 2,240,074; Apr. 29.
Kakes, Edward, Antigo, Wis. Electric current plug and receptacle. 2,239,787; Apr. 29.
Kallo, Inc. (See Verbeek, Arnold F., assignor.)
Kaplan, William, Malverne, assignor to Cities Service Oil Company, New York, N. Y. Complete conversion of petroleum oils. 2,240,140; Apr. 29.
Karlatröm, Adolf M. R., Gothenburg, Sweden. Process for treatment of so-called white water. 2,240,403; Apr. 29.
Katzman, Morris. (See Epstein, A. K., and Katzman.)
Katzman, Morris, assignor to The Emulsol Corporation, Chicago, Ill. Sulphopolycarboxylic acid amides. 2,239,720; Apr. 29.
Kay-Brunner Steel Products, Inc. (See Low, John J., assignor.)
Kayutt, Philip J., New York, N. Y. Glow lamp. 2,240,334; Apr. 29.
Kayn, Stephen F., New York, N. Y., assignor to R. M. McFadden, Los Angeles, Calif. Hair roller. 2,240,303; Apr. 29.
Keen, Thomas A., San Mateo, Calif., assignor to H. M. Smith, Chicago, Ill. Display device. 2,239,894; Apr. 29.
Kell, Alvin R., Rochester, N. Y. Fuel and fuel package. 2,240,335; Apr. 29.
Keller, Fred. (See Sager, G. F., and Keller.)
Kelley-Koett Manufacturing Company, The. (See Haupt, W. H., Ware, and Tietig, assignors.)
Kelsey, Robert A., and H. Wright, San Diego, Calif., assignor to Aeromotive Components Corporation. Air cleaner. 2,240,042; Apr. 29.
Kerrick, Walter B. (See Clayton, B., Kerrick, and Stadt.)
Kerrins, John Q., Indianapolis, Ind. View finder attachment for cameras. 2,239,788; Apr. 29.
Kiefer, Karl, Machine Company, The. (See Fechheimer, P. R., and Rottmueller, assignors.)
Killen, Donald P., Glendale, Calif. Collar and necktie support. 2,240,002; Apr. 29.
Kimball, Samuel F., and G. A. Doty, assignors to The Portland Company, Portland, Maine. Treating the interiors of containers. 2,240,364; Apr. 29.
King, Alfred, Hackney-Matlock, England. Hammer for impact crushing or grinding apparatus. 2,240,404; Apr. 29.
Kingdon, Ralph H., and G. K. Moore, assignors to Square D Company, Detroit, Mich. Enclosure for electric devices. 2,240,187; Apr. 29.
Kingdon, Ralph H., and G. K. Moore, assignors to Square D Company, Detroit, Mich. Tool. 2,240,188; Apr. 29.
Kingsbury, Chadwick B. (See Carter, R. H., Goliong, and Kingsbury.)
Kinney, Charles S. (See Engel, K., and Kinney.)
Kinney, Henry T., Hicksville, N. Y. Clip for screw drivers. 2,239,820; Apr. 29.
Kinser, Vernon, Butterfield, Mo. Automatic shaft brake device. 2,240,043; Apr. 29.
Kinzel, Augustus B., Douglaston, N. Y., assignor to Electro Metallurgical Company. Making cast metals. 2,240,405; Apr. 29.
Kitto, William H. (See Coons, C. C., and Kitto.)
Klotz, Ernst. (See Vogt, H., and Klotz.)
Knollin, Ernesto R., Eugene, Oreg. Multiple garment hanger. 2,239,680; Apr. 29.
Knox, Stuart C., assignor to Medical Engineering Company, Los Angeles, Calif. Fracture frame. 2,239,821; Apr. 29.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency responsive control system. 2,239,789; Apr. 29.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Measuring and indicating instrument. 2,240,304; Apr. 29.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Metronome. 2,240,305; Apr. 29.
Kollsman, Paul, Stamford, Conn., and V. E. Carbonara, Rockville Centre, N. Y., assignors, by mesne assignments, to Square D Company, Detroit, Mich. Remote indicator. 2,239,790; Apr. 29.
Konold, Clyde H. (See Wurzbach, H. E., and Konold.)
Kovalovsky, Arthur and O., Los Angeles, Calif. Fishing reel. 2,240,075; Apr. 29.
Kovalovsky, Oscar. (See Kovalovsky, Arthur and O.)
Kramer, Adolf, Mount Kisco, N. Y. Elevator control and signal system. 2,240,044; Apr. 29.
Kramer, Albert J., Washington, D. C. Adjustable and refillable brush. 2,240,076; Apr. 29.
Kreider, Raymond L., Erie, Pa. Dental X-ray film holder. 2,240,336; Apr. 29.
Krieghaum, George M., Richmond, Ind., assignor to International Harvester Company. Parallel lift for furrow openers. 2,239,918; Apr. 29.
Krieke, Harry E., assignor to M. A. Reich, Buffalo, N. Y. Jewelry. 2,240,247; Apr. 29.
Krist, Henry K., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion reduction in wave transmission. 2,240,140; Apr. 29.
Kritzer, Louis W., Minneapolis, Minn. Hydraulic brake system. 2,239,751; Apr. 29.
Krum, Howard L., Beverly Hills, Calif., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,239,721; Apr. 29.
Krupp, Fried., Aktiengesellschaft. (See Burmeister, Erich, assignor.)
Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Waste heat boiler. 2,239,895; Apr. 29.
Kuhner, Max H., and G. A. Rehm, assignors to Riley Stoker Corporation, Worcester, Mass. Furnace wall. 2,239,896; Apr. 29.
Kurtz, Joseph J., Shamokin, Pa. Ventilator. 2,240,406; Apr. 29.
Kushera, William H. (See Danoke, D., and Kushera.)
Kuss, Ernst. (See Wolf, H., Kuss, Hohn, and Stletzel.)
L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude. (See Soulary, Pierre, assignor.)
La Belle, Edward C. (See Hodgdon, P. E., and La Belle.)
Lakatos, Emory, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical filter. 2,240,306; Apr. 29.
Lambert, Homer T., St. Joseph, Mich. Brake construction. 2,240,218; Apr. 29.
Lambert, Homer T., St. Joseph, Mich. Brake construction. 2,240,219; Apr. 29.
Landis Machine Company. (See Reinschlassel, C. A., and Eigenbrode, assignors.)
Lannan, George M., and F. Vanucci, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Apparatus for making sliver. 2,239,722; Apr. 29.
Lannen, Joseph P., Detroit, Mich. Universal level. 2,240,337; Apr. 29.
Lanway, Mearl. (See Campbell, W. A., and Lanway.)
Larsen, Neil P., and H. J. Troche, assignors to The American Coach & Body Company, Cleveland, Ohio. Winch. 2,239,822; Apr. 29.
Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Car coupler. 2,239,823; Apr. 29.
Lee, Gilbert C. (See Bobrick, A. L., and Lee.)
Le Fevre, Arden W., assignor to Stewart-Warner Corporation, Chicago, Ill. Automobile heater filter. 2,240,368; Apr. 29.
Lehmann, J. M. (See Heidelmeyer, M., and Becher, assignors.)
Leingang, William C. (See Riggs, H. C., and Leingang.)
Lemperle, Julius, Salt Lake City, Utah. Line guide. 2,239,791; Apr. 29.
Le Page's Inc. (See Edson, E. R., and Ives, assignors.)
Leslie, Howard C., Milton, assignor to R. R. E. Manufacturing Co., Hyde Park, Mass. Water closet seat. 2,240,220; Apr. 29.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Brake-band mounting. 2,239,824; Apr. 29.
Le Tourneau, R. G., Inc. (See Tourneau, Robert G., assignor.)
Levy, Lionel L., et al. (See Dunlap, Kenneth J., assignor.)
Lewis, Arthur W., Elizabeth, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Method of lubrication. 2,239,752; Apr. 29.
Lidgerwood Manufacturing Company. (See Benson, Melvin B., assignor.)
Lieberman, Joseph, Stevensville, Mich. Seat cushion. 2,240,077; Apr. 29.
Lillis, Stephen M., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Composite sealing structure. 2,240,263; Apr. 29.
Limpert, Alexander S. (See Limpert, Sylvester A. and A. S.)
Limpert, Sylvester A. and A. S., Bay Shore, N. Y. Hermetic rotary reciprocating compressor unit. 2,240,723; Apr. 29.
Linch, Harry A., and C. H. Scott, Westport, Conn., assignors to The Dorr Company, Inc., New York, N. Y. Pump. 2,240,371; Apr. 29.
Lincoln, Alden A., assignor to The Acme Shear Company, Bridgeport, Conn. Shears. 2,239,851; Apr. 29.
Lind, Francis T., assignor to H. K. Porter, Inc., Everett, Mass. Wire cutter. 2,239,852; Apr. 29.
Linde, Leonard J., Drexel Hill, and J. W. Seaman, Upper Darby, Pa., assignors to George Electric Company. Circuit breaker. 2,240,189; Apr. 29.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wide band antenna. 2,239,724; Apr. 29.
Lindfelt, Edward C., Des Moines, Iowa. Mitt for washing, dusting, polishing, and the like. 2,239,919; Apr. 29.
Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifuge. 2,240,141; Apr. 29.
Lindquist, Carl G. (See Swan, D. R., and Lindquist.)
Line Material Company. (See Schultz, William O., assignor.)
Link-Belt Company. (See Parker, Richard W., assignor.)
List, Heinrich, Berlin-Lichterfelde, Germany. Fluid pump. 2,240,307; Apr. 29.
Locke, Arthur A., Detroit, Mich. Method and apparatus for cooking substances. 2,240,338; Apr. 29.
Locker, Maurice, Manchester, England. Egg and like slicing appliance. 2,240,221; Apr. 29.

Loesel, Nicholas, Richmond Hill, assignor to American Can Company, New York, N. Y. Spool. 2,239,725; Apr. 29.
Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone apparatus. 2,239,825; Apr. 29.
Longenecker, Levi S., Mount Lebanon, Pa. Furnace structure. 2,240,190; Apr. 29.
Lord, Kenneth M., Canandaigua, and G. E. Warren, assignors to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Telephone signaling system. 2,240,339; Apr. 29.
Lource, Charles H., Tulsa, Okla. Steel reciprocating pump. 2,239,853; Apr. 29.
Louttit, James E. (See Records, E. H., and Louttit.)
Lovell, George H., Stelton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,240,142; Apr. 29.
Low, John J., Los Angeles, Calif., assignor to Kay-Brunner Steel Products, Inc. Carrying scraper. 2,239,967; Apr. 29.
Lustig, Walter R., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Adjustable sent. 2,240,143; Apr. 29.
Lyon, George A., Allenhurst, N. J. Making wheel disks. 2,239,897; Apr. 29.
Lyon, George A., Allenhurst, N. J. Wheel structure. 2,239,898; Apr. 29.
MacGregor, Bertha L., trustee. (See Roessner, William L., assignor.)
Mack Manufacturing Company. (See Matthews, Philip E., assignor.)
Mackenzie, Dorothy E., Brooklyn, N. Y. Container. 2,240,045; Apr. 29.
Mahan, Joseph R., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Lubricating apparatus. 2,239,920; Apr. 29.
Mahé, Roger H., Le Havre, France. Orthopedic belt for the treatment of gastric ptoses. 2,240,308; Apr. 29.
Majewski, Joseph M., Jr., Kansas City, Mo. Liquid dispensing device. 2,239,921; Apr. 29.
Mallinckrodt Chemical Works. (See Whitmore, F. C., and Homeyer, assignors.)
Man-Sew Pinking Attachment Corp. (See Sigoda, Victor J., assignor.)
Mannesmann-Stahllblechbau-Aktiengesellschaft. (See Adler, Hans, assignor.)
Manufacture des Montres Rolex, Aegler Societe Anonyme. (See Aegler, Hans H., assignor.)
Margolin, Edward, et al. (See Casey, Hilton W., assignor.)
Marinsky, Davis. (See Morin, L. H., and Marinsky.)
Marra, Anthony, Brooklyn, N. Y. Liquid gun. 2,240,046; Apr. 29.
Marsden, Charles P., Jr. (See Allen, V. O., and Marsden, Jr.)
Marsh, Leona. (See Brennan, J. B., and Marsh.)
Marshall, Paul, Dexter, N. Mex. Power driven hack saw. 2,239,681; Apr. 29.
Marti, Antonio, Hartford, Conn. Windshield wiper. 2,239,754; Apr. 29.
Marti, Fritz, La Chaux-de-Fonds, Switzerland. Bearing with movable bush, particularly for watch movements. 2,239,682; Apr. 29.
Martin, Herbert E., Cumberland, Md., assignor to Celanese Corporation of America. Precipitation of cellulose compounds. 2,239,753; Apr. 29.
Martin, James D., et al. (See Bert, Samuel D., assignor.)
Martin, William M., Maywood, Ill., assignor to American Can Company, New York, N. Y. Device for measuring consistency of a product. 2,239,726; Apr. 29.
Martinka, Michael, Duisberg, Germany. Internal combustion engine. 2,239,922; Apr. 29.
Marzoli, Luigi, Palazzolo sull'Oglio, Italy. Holding and centering device for spinning, twisting, and like machines. 2,240,047; Apr. 29.
Maschinenfabrik Augsburg-Nurnberg A. G. (See Cüppers, Paul, assignor.)
Mason, Clesson E., assignor to The Foxboro Company, Foxboro, Mass. Control mechanism. 2,240,243; Apr. 29.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,240,309; Apr. 29.
Masters, John A., Los Angeles, Calif. Exercising apparatus. 2,240,407; Apr. 29.
Matthews, Philip E., Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Oiling device for driving pinion bearings. 2,240,118; Apr. 29.
Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire hanger. 2,238,792; Apr. 29.
May, Herbert S., Great Neck, assignor to American Rubber Products Corporation, New York, N. Y. Tank ball. 2,239,923; Apr. 29.
Mayer, Waldemar F. (See Hollander, A., and Mayer.)
Mayer, Waldemar F., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,230,727; Apr. 29.
McCormick, Cecil L., Hialeah, Fla. Wing air brake. 2,239,854; Apr. 29.
McCormack, Marie C., New Orleans, La. Machine for sharpening rotary cylindrical cutters. 2,239,683; Apr. 29.
McDowell, Henry H., Portland, Oreg. Fuel economizer for internal combustion engines. 2,240,459; Apr. 29.
McEnery, Joseph P., New York, N. Y. Package holder. 2,239,728; Apr. 29.
McFadden, Ross M. (See Kayn, Stephen F., assignor.)
McFarlane, John A. and W. W., Bellflower, Calif. Overhead swinging door. 2,239,924; Apr. 29.
McFarlane, William W. (See McFarlane, John A. and W. W.)
McGladrey, Lyle L. (See Rhodes, C. M., and McGladrey.)
McGonigal, Roderick A., Wheeling, W. Va. Adjustable window shade bracket. 2,240,408; Apr. 29.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,240,003; Apr. 29.
McHugh, Joseph P., Scranton, Pa., assignor, by mesne assignments, to Industrial Machine Corporation. Method and apparatus for producing thrown yarn. 2,239,684; Apr. 29.
McKay, Harry M., Ferguson, assignor to St. Louis Aircraft Corporation, St. Louis, Mo. Airfoil. 2,240,310; Apr. 29.
McKee, Ralph H., New York, N. Y. Producing porous concrete. 2,240,191; Apr. 29.
McKee, Ralph H., and F. A. Hessel, New York, N. Y. Producing porous plaster and product thereof. 2,239,925; Apr. 29.
McLaughlin, Harold J. (See Barreda, Julian C., assignor.)
McMartin, William B. (See Bramsen, S., Gustafsson, and McMartin.)
Medical Engineering Company. (See Knox, Stuart C., assignor.)
Meech, James H., assignor to Hudson Motor Car Company, Detroit, Mich. Clutch. 2,239,968; Apr. 29.
Mellquist, Wesley E. (See Schroder, John E., assignor.)
Mendelsohn, Bernard E. (See Benson, B. H., and Mendelsohn.)
Meyer, Charles, Yonkers, assignor to Bartmann & Bixer Inc., New York, N. Y. Release mechanism. 2,240,192; Apr. 29.
Milkweed Products Development Corporation. (See Faulkender, Clyde R., assignor.)
Millard, Lee P., Moline, Ill., assignor to International Harvester Company. Axle for harvester-threshers. 2,239,926; Apr. 29.
Miller, George F., Norman, Okla. Eraser. 2,239,793; Apr. 29.
Mills, Herbert E., Detroit, Mich., assignor to Borg-Warner Corporation. Stove. 2,240,144; Apr. 29.
Mills, Herbert E., and E. F. Dupuls, Detroit, Mich., assignors to Borg-Warner Corporation. Stove. 2,240,340; Apr. 29.
Mills, Ludie B., Eden, Ga. Fuel heating device. 2,240,311; Apr. 29.
Minghetti, Mrs. Louis C., et al. (See Bingham, John W., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minturn, Herbert A., near Indianapolis, Ind. Means for adjusting tractor wheels. 2,240,312; Apr. 29.
Mirocourt, Henry, Sotteville-les-Rouen, and M. G. Jirou, Rouen, assignors to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Azo dyestuffs. 2,240,341; Apr. 29.
Mizer, Joseph J., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Lifting mechanism. 2,239,729; Apr. 29.
Monroe Calculating Machine Company. (See Walter, Edward C., assignor.)
Monroe, John D. (See Monroe, John R. and J. D.)
Monroe, John R. and J. D., Tacoma, Wash. Heating system. 2,240,222; Apr. 29.
Monsanto Chemical Company. (See Bacon, Frederick S., assignor.)
Monsanto Chemical Company. (See Jenkins, Russell L., assignor.)
Monsanto Chemical Company. (See Thomas, Charles A., assignor.)
Montgomery, James M., Columbus, Ohio, and E. Pick, East Rockaway, assignors to The Pemutit Company, New York, N. Y. Adjustable Venturi tube. 2,240,119; Apr. 29.
Montgomery, Robert J., Chicago, Ill. Wire stripping machine. 2,239,755; Apr. 29.
Moore, George E., Dearborn, Mich. Antiskid device. 2,239,730; Apr. 29.
Moore, George K. (See Kingdon, R. H., and Moore.)
Morin, Elmer J., Chassell, Mich. Electric outlet. 2,240,098; Apr. 29.
Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, Bronx, N. Y. Semiautomatic lock slider. 2,240,048; Apr. 29.
Morse, Sydney H., London Wall, London, assignor to Wood, Mallabar and Company Limited, London, England. Apparatus for developing sensitized layers. 2,240,409; Apr. 29.
Morse, William S., Detroit, Mich. Inserted blade cutter. 2,239,794; Apr. 29.
Morthland, Glenn A., Los Angeles, Calif. Composition shower pan. 2,239,969; Apr. 29.

Morton, Henry E., Muskegon Heights, Mich. Cutting and shaping machine. 2,239,927; Apr. 29.
Morton, Thomas J., Jr. and C. A. Bauer, Newburgh, assignors to The Cardinal Corporation, Evansville, Ind. Ice cube tray. 2,240,004; Apr. 29.
Moser, Franz R., Amsterdam Netherlands, assignor to Shell Development Company, San Francisco, Calif. Motor fuel composition. 2,240,145; Apr. 29.
Motor Improvements, Inc. (See Williams, Lewis W., assignor.)
Motor Wheel Corporation. (See Hunt, George H., assignor.)
Motoren-Werke Mannheim Aktien-Gesellschaft, vormals Benz Abteilung Stationarer Motorenbau. (See Vollmer, Joseph, assignor.)
Moulton, Harold R. (See Gagnon, L. L., and Moulton.)
Mountjoy, Garrard. (See Foster, D. E., and Mountjoy.)
Moyer, George W., Portland, Oreg. Wall cleaning attachment. 2,240,005; Apr. 29.
Mueller, Mortiz L., Grosse Pointe, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Oil burner. 2,240,161; Apr. 29.
Mullins Manufacturing Corporation. (See Bohm, Daniel, assignor.)
Murdock, James A., Chicago, Ill. Paring knife. 2,240,410; Apr. 29.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,240,204; Apr. 29.
Murphy, Edwin W., assignor to S. Morgan Smith Company, York, Pa. Water gate. 2,240,049; Apr. 29.
Muselier, Bernard G. M., Paris, assignor to J. F. Herman, Boulogne-sur Seine, France. Meter for liquids. 2,240,223; Apr. 29.
Muskat, Irving E., Akron, and G. H. Cady, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company. Manufacture of chlorine compounds. 2,240,342; Apr. 29.
Muskat, Irving E., Akron, and G. H. Cady, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County Pa. Preparation of hypochlorous acid. 2,240,344; Apr. 29.
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Material treatment. 2,240,343; Apr. 29.
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Production of chromic chloride. 2,240,345; Apr. 29.
Nachtman, John S., Beaver, Pa. Continuously tin plating ferrous metal stock. 2,240,265; Apr. 29.
Nance, William E., and J. B. Stone, Redlands, Calif. Orchard heater. 2,240,224; Apr. 29.
Nass, Frederick H. (See Campbell, R., and Nass.)
Nation, Augustus, Birmingham, Ala. Track sanding apparatus. 2,240,266; Apr. 29.
National Bearing Metals Corporation. (See Cox, Isaac E., assignor.)
National Blank Book Company. (See Schade, Frank S., assignor.)
National Cash Register Company, The. (See Breitling, E., Schwenk, and Uhlmann, assignors.)
National Supply Company, The. (See Mahan, Joseph R., assignor.)
Nelson, Rudolph S. (See Coons, C. C., and Nelson.)
Nemec, Joseph, Western Springs, Ill. Door locking and sealing device. 2,240,162; Apr. 29.
Ness, Harold J., Bloomfield, N. J. Carburizing ferrous metals. 2,240,146; Apr. 29.
Ness, Harold J., Bloomfield, N. J. Making composite metal. 2,240,313; Apr. 29.
Neuhaus, Ralph, assignor to Hughes Tool Company, Houston, Tex. Tool joint. 2,239,826; Apr. 29.
Neumann, Willy, Siedlung Ladeburg, near Bernau, Germany. Purifier for gases or vapors. 2,239,731; Apr. 29.
New England Bedding Company. (See Johnson, Gustave A., assignor.)
New Jersey Machine Corporation. (See von Hofe, George W., assignor.)
Newhardt, Joseph B., Berwyn, assignor of one-third to C. H. Angell, Mount Prospect, and one-third to F. J. Gervais, Western Springs, Ill. Adjustable chair. 2,239,732; Apr. 29.
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Refrigerator. 2,240,193; Apr. 29.
Newman, Lloyd L., Rockwood, Pa. Drainage tile, clay, etc. 2,240,411; Apr. 29.
Newmark Bros., Inc. (See Buechmann, Frederick, assignor.)
Newsom, Kitchener K., San Francisco, Calif. Egg grate. 2,239,733; Apr. 29.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,240,373; Apr. 29.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Expansion valve. 2,240,374; Apr. 29.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeracontrol system. 2,240,375; Apr. 29.
Nicoll, F. H. Ickenham, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron device. 2,240,120; Apr. 29.
Nicostat Products Co. (See Borresen, Nico, assignor.)
Nightenhelser, Bert, Westfield, and J. Ballard, Noblesville, Ind. Combined cornhusking and agitator device for corn picking machines. 2,239,899; Apr. 29.
Niles-Bement-Pond Company. (See Terry, S. B., and Fox, assignors.)
Nixon, Carl W., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Electric lamp. 2,239,928; Apr. 29.
Noack, Walter G., assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Heat exchanger. 2,239,685; Apr. 29.
Nordmark, Henry P., assignor to American Seating Company, Grand Rapids, Mich. Support for pivoted seats. 2,239,929; Apr. 29.
North American Rayon Corporation. (See Carter, R. H., Gollong, and Kingsbury, assignors.)
North American Rayon Corporation. (See Schneider, Max, assignor.)
North and Judd Manufacturing Company. (See Freysinger, John B., assignor.)
Novi Equipment Company. (See Welch, Lewis W., assignor.)
Nuebling, John, assignor of one-half to G. R. Nutty, Chicago, Ill. Locking means for extension cords and the like. 2,240,050; Apr. 29.
Nutt, Harold, and H. V. Reed, assignors to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,240,340; Apr. 29.
Nutty, Gail R. (See Nuebling, John, assignor.)
Nyquist, Borje Sune, Sandviken, Dynas, assignor to Aktiebolaget Svenska Flaktfabriken, Stockholm, Sweden. Method and apparatus for evaporating sulphate residual liquor. 2,240,376; Apr. 29.
Nyquist, George M., assignor to Divco-Twin Truck Company, Detroit, Mich. Vehicle door lock construction. 2,240,412; Apr. 29.
O. K. Tool Company, The. (See Reaney, Ernest, assignor.)
Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Coated abrasive. 2,239,828; Apr. 29.
Ohio Brass Company, The. (See Burleson, Wade H., assignor.)
Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Oil Devices. (See Breese, James L., assignor.)
Oilgear Company, The. (See Davis, Richard E., assignor.)
Oliver, Lee, Milford, assignor to The Connecticut Web and Buckle Company, Bridgeport, Conn. Garment holding clip. 2,240,460; Apr. 29.
Oliver Machinery Company. (See Tuthill, H. B., and Caldwell, assignors.)
Olson, Elmer, Detroit, Mich., assignor to G. M. and E. Holley. Carburetor. 2,240,194; Apr. 29.
O'Malley, Anthony J., Arlington, N. J., assignor to Spring Products Corporation, New York, N. Y. Cushion spring structure. 2,240,051; Apr. 29.
Osborne, Raymond G., Los Angeles, Calif. Article of manufacture. 2,239,970; Apr. 29.
Owens-Corning Fiberglas Corporation. (See Lannan, G. M., and Vanucci, assignors.)
Owens, John F., Chicago, Ill. Mop cloth strand. 2,239,680; Apr. 29.
Packard Motor Car Company. (See Christman, John M., assignor.)
Page, James M., Jr., Chicago, Ill., and V. Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,240,347; Apr. 29.
Paper Package Company. (See Thaxton, James B., assignor.)
Papp, Andrew E., assignor to G & W Electric Specialty Co., Chicago, Ill. Cable connecting means. 2,239,900; Apr. 29.
Parker, Arthur L., Cleveland, Ohio. Balanced plug valve. 2,239,795; Apr. 29.
Parker, Arthur L., Cleveland, Ohio. Coupling. 2,240,413; Apr. 29.
Parker, Richard W., Indianapolis, Ind., assignor to Link-Belt Company. Shock absorber for belt conveyer guide and actuating rolls. 2,239,687; Apr. 29.
Parmer, Harry W. (See Graham, G. A., and Parmer.)
Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Take-ups for sewing machines. 2,239,855; Apr. 29.
Patterson, Glenn A., assignor to Red Jacket Manufacturing Co., Davenport, Iowa. Pump. 2,240,121; Apr. 29.
Paul, Frederick J., Fredonia, assignor to Huntley Manufacturing Co., Brocton, N. Y. Cleaning and separating device. 2,240,442; Apr. 29.
Paul, Frederick J., Fredonia, assignor to Huntley Manufacturing Co., Brocton, N. Y. Washer. 2,240,443; Apr. 29.
Paulus, Charles L. (See Alexander, D. F., Henney, and Paulus.)
Payne, Clyde S. (See Welch, F. S., and White, assignors.)
Payne, Paul D. (See Hoag, P. F., and Payne.)
Payton, John H., assignor to Armour and Company, Chicago, Ill. Printed sausage casing and the like. 2,240,348; Apr. 29

Peebles, Joseph B., assignor to Gladding McBean & Co., Los Angeles, Calif. Hollow brick building block and reinforced brick wall. 2,239,930; Apr. 29.
Peik, Paul G., Detroit, Mich., assignor to Emulsions Process Corporation, New York, N. Y. Sound deadening composition and the process of preparing same. 2,239,688; Apr. 29.
Peik, Paul G., Detroit, Mich., assignor to Emulsions Process Corporation, New York, N. Y. Sound deadener. 2,240,014; Apr. 29.
Peik, Paul G., Detroit, Mich., assignor to Emulsions Process Corporation, New York, N. Y. Sound deadener. 2,240,015; Apr. 29.
Peik, Paul G., Detroit, Mich., assignor to Emulsions Process Corporation, New York, N. Y. Sponge rubber and method of producing the same. 2,240,415; Apr. 29.
Pen-Chlor, Incorporated. (See Dietz, Karl, assignor.)
People in the Territory of The United States, The. (See Thornthwaite, Charles W., assignor.)
Percival, William S., London, assignor to Electrical & Musical Industries Limited, Middlesex, England. High frequency signal transmission system. 2,239,901; Apr. 29.
Perfection Steel Body Company, The. (See Fellcke, K., and Farnsworth, assignors.)
Permutit Company, The. (See Brice, N. E., and Guldner, assignors.)
Permutit Company, The. (See Guldner, C. M., Jr., and Pick, assignors.)
Permutit Company, The. (See Holmes, Eric L., assignor.)
Permutit Company, The. (See Montgomery, J. M., and Pick, assignors.)
Permutit Company, The. (See Pick, Eric, assignor.)
Peterson, Edward S., Elmwood Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,239,902; Apr. 29.
Peterson, Ernest G., assignor to Hercules Powder Company, Wilmington, Del. Esters of high-molecular polycarboxylic acids. 2,240,006; Apr. 29.
Petroleum Heat and Power Company. (See Thoresen, Ralph S., assignor.)
Philadelphia Quartz Company. (Set Curll, Daniel B., Jr., assignor.)
Philco Radio and Television Corporation. (See Schnitzer, Bernard E., assignor.)
Philco Radio and Television Corporation. (See Smith, Newland F., Jr., assignor.)
Philco Radio and Television Corporation. (See Travis, Charles, assignor.)
Physicists Research Company. (See Abbott, Ernest J.)
Picard, Lucien. (See Flallp, Robert J. M., assignor.)
Pick, Eric. (See Guldner, C. M., Jr., and Pick.)
Pick, Eric. (See Montgomery, J. M., and Pick.)
Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Valve apparatus for controlling hydraulic or pneumatic machines. 2,240,163; Apr. 29.
Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Apparatus for and method of apportioning chemical to a flow of water. 2,240,164; Apr. 29.
Pidgeon, Elmer F., Spiceland, Ind. Skylight roller shade. 2,240,416; Apr. 29.
Pierce, John A. (See Hunt, F. V., and Pierce.)
Pierce, John S. (See Worne, H., and Pierce.)
Pilcher, Louie C., Dothan, Ala. Harvesting and storage bin. 2,239,827; Apr. 29.
Pinney, Edward C., Washington, D. C. Base for porch columns. 2,240,016; Apr. 29.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. High voltage circuit breaker. 2,239,829; Apr. 29.
Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Cady, assignors.)
Place, Blon C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Garment or like hook. 2,240,225; Apr. 29.
Plastic Process Company. (See Joroslow, Jack, assignor.)
Pohl, Ernest F. (See Ekstedt, Henry V., assignor.)
Pomiès, Robert P., Paris, France. Device for destroying sound waves, more especially utilizable as a silencer for combustion and explosion engines. 2,240,052; Apr. 29.
Pondorf, Friedrich, Plauen, Germany, assignor to R. Hoe & Co., Inc., New York, N. Y. Paper-reel changing device in rotary printing machines. 2,239,971; Apr. 29.
Poppe, George W., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y. Reinforced carry bag. 2,239,856; Apr. 29.
Poppe, George W., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y. Carry bag. 2,239,857; Apr. 29.
Porter, H. K., Inc. (See Lind, Francis T., assignor.)
Portland Company, The. (See Kimball, S. F., and Doty.)
Potter, Muriel B. (See Potter, Thomas L., assignor.)
Potter, Thomas L. assignor to M. B. Potter, Buffalo, N. Y. Refrigerator. 2,240,267; Apr. 29.
Power, Laurence E., Milwaukee, Wis., assignor to Rostone Corporation, La Fayette, Ind. Electrical arc barrier. 2,240,007; Apr. 29.
Pratt, Don W., Santa Monica, Calif. Cabinet shelf construction. 2,239,734; Apr. 29.
Preble, Andrew Y., El Centro, Calif. Apparatus for precooling freight cars. 2,240,377; Apr. 29.
Precision Castings Company. (See During, William J., assignor.)
Prescott, Robert S., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Vibratory motor. 2,239,931; Apr. 29.
Preston, Frank W., Butler, Pa. Method of and apparatus for making structural glass. 2,240,349; Apr. 29.
Primavesi, Otto, Berlin-Tempelhof, Germany. Process for producing white mechanical wood pulp from pine wood. 2,240,017; Apr. 29.
Process Management Company. (See Atwell, Harold V., assignor.)
Prost, Hans. (See Buschbeck, W., and Prost.)
Püschner, Josef. (See Püschner, Julius and J.)
Püschner, Julius and J., Bodenbach, Germany. Device for producing sliding clasp fasteners. 2,240,018; Apr. 29.
Quarnstrom, Bert L., and R. H. Hobrock, assignors to Bundy Tubing Company, Detroit, Mich. Making and cooling tubes. 2,240,019; Apr. 29.
R-B-M Manufacturing Company. (See Clayton, Harold H., assignor.)
Rader, Porter H., assignor to W. O. Geyer, Bloomfield, N. J. Clamp means for ball and socket type joints. 2,240,078; Apr. 29.
Radio Corporation of America. (See Artzt, Maurice, assignor.)
Radio Corporation of America. (See Ballard, Randall C., assignor.)
Radio Corporation of America. (See Belzer, Harold H., assignor.)
Radio Corporation of America. (See Bierwirth, Rudolph A., assignor.)
Radio Corporation of America. (See Carter, Philip S., assignor.)
Radio Corporation of America. (See Clough, Newsome H., assignor.)
Radio Corporation of America. (See Foster, D. E., and Mountjoy, assignors.)
Radio Corporation of America. (See Goddard, De Witt R., assignor.)
Radio Corporation of America. (See Grundmann, Gustave L., assignor.)
Radio Corporation of America. (See Hunt, Seymour, assignor.)
Radio Corporation of America. (See Hunter, James H., assignor.)
Radio Corporation of America. (See Iams, Harley A., assignor.)
Radio Corporation of America. (See Jones, Mack C., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Rankin, John A., assignor.)
Radio Corporation of America. (See Riddle, James M., Jr., assignor.)
Radio Corporation of America. (See Sanders, Royden C., Jr., assignor.)
Radio Corporation of America. (See Shoup, F., and Burt, assignors.)
Radio Corporation of America. (See Trevor, Bertram, assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See van Loom, Carel J., assignor.)
Radio Corporation of America. (See Zimmerman, Arthur G., assignor.)
Raiser, Clara L., Willow Grove, Pa. Plate. 2,240,020; Apr. 29.
Randolph, Clifford F., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Tobacco conveying and feeding. 2,239,858; Apr. 29.
Rankin, John A., Jackson Heights, N. Y., assignor to Radio Corporation of America. Wide band amplifier. 2,239,830; Apr. 29.
Rapinwax Paper Company. (See Rhodes, C. M., and McGladrey, assignors.)
Rauser, Erwin F., Milwaukee, Wis. Undergarment. 2,239,972; Apr. 29.
Ravigneaux, Pol, Neuilly-sur-Seine, France. Variable speed gear. 2,239,973; Apr. 29.
Raytheon Manufacturing Company. (See Spencer, Percy L., assignor.)
Reaney, Ernest, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Planing tool. 2,240,444; Apr. 29.
Reconstruction Finance Corporation. (See Hillis, David R., assignor.)
Records, Elmer H., and J. E. Louttit, Tacoma, Wash. Purifying hydrocarbon oils. 2,239,859; Apr. 29.
Red Jacket Manufacturing Co. (See Patterson, Glenn A., assignor.)
Redwood Manufacturing Co. (See Simons, Edward W., assignor.)

Reed, Cortes F., Anoka, assignor of one-half to C. L. Horn, Minneapolis, Minn. Detergent composition. 2,239,974; Apr. 29.
Reed, Harold V. (See Nutt, H., and Reed.)
Reese, John A. (See Flagg, A. B., and Reese.)
Refining, Inc. (See Clayton, B., Kerrick, and Stadt, assignors.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Rehm, Gustav A. (See Kuhner, M. H., and Rehm.)
Reiber, Harry P., Pittsburgh, Pa. Clamping support. 2,240,195; Apr. 29.
Reich, Melvin A. (See Krieke, Harry E., assignor.)
Reimschissel, Charles A., and E. M. Eigenbrode, assignors to Landis Machine Company, Waynesboro, Pa. Thread cutting mechanism. 2,239,735; Apr. 29.
Reimschissel, Charles A., and E. M. Eigenbrode, assignors to Landis Machine Company, Waynesboro, Pa. Chaser and chaser holder assembly. 2,239,736; Apr. 29.
Renault, Louis. (See Salvos, Léon, assignor.)
Reppert, Roland, Pelham Manor, and R. A. Johnson, Brooklyn, assignors to American Hard Rubber Company, New York, N. Y. Closure for battery box covers. 2,240,314; Apr. 29.
Republic Steel Corporation. (See Darner, Frederic M., assignor.)
Revere Copper and Brass Incorporated. (See Wilkins, Richard A., assignor.)
Reyrolle, A., & Company Limited. (See Gibson, William, assignor.)
Rhodes, Cecil M., and L. L. McGladrey, St. Paul, assignors to Raplnwax Paper Company, Minneapolis, Minn. Apparatus and process for drying waxed paper. 2,240,315; Apr. 29.
Rhyno, Charles F., et al. (See Bingham, John W., assignor.)
Richards, Samuel G., Des Moines, Iowa. Postage stamp affixer. 2,239,932; Apr. 29.
Richardson, King, Beverly Hills, Calif. Color scale. 2,240,053; Apr. 29.
Richardson, Roger W., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oils. 2,240,054; Apr. 29.
Riddle, James M., Jr., West Collingswood, N. J., assignor to Radio Corporation of America. Superheterodyne receiver. 2,239,756; Apr. 29.
Riggs, Harold C., Langhorne, and W. C. Leingang, assignors to The Electric Storage Battery Company, Philadelphia, Pa. Filling and venting plug for storage battery cells. 2,240,461; Apr. 29.
Riley Stoker Corporation. (See Kuhner, Max H., assignor.)
Riley Stoker Corporation. (See Kuhner, M. H., and Rehm, assignors.)
Ring, Roland, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Apparatus for surveying wells. 2,240,417; Apr. 29.
Rippey, George S., Boston, and H. Rowe, Newton Center, assignors to United Fruit Company, Boston, Mass. Apparatus for separating leaf sheaths. 2,240,466; Apr. 29.
Risher, Elmer E., and L. C. Bouma, Lynnville, Iowa. Animal trap. 2,240,418; Apr. 29.
Rittenhouse, A. E., Co., The. (See Lord, K. M., and Warren, assignors.)
Rittenhouse, A. E., Co., The. (See Rittenhouse, Lloyd, assignor.)
Rittenhouse, Lloyd, assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Signal device. 2,240,378; Apr. 29.
Robbins, Charles W. (See Johnstone, H. G., and Robbins.)
Roberts, Henry E. (See Textor, A. F., Abbott, and Roberts.)
Robertson, Robert R., Chicago, Ill. Expansion joint. 2,239,933; Apr. 29.
Rocheleau, Leo A., assignor of one-half to L. M. Johnston, Detroit, Mich. Illuminating signaling mailbox. 2,240,462; Apr. 29.
Roessner, William L., Denver, Colo., assignor to B. L. MacGregor, as trustee. Fire extinguisher. 2,239,975; Apr. 29.
Roessner, William L., Denver, Colo., assignor to B. L. MacGregor, trustee. Fire extinguisher carrier. 2,239,976; Apr. 29.
Rohrer, John M., Orwigsburg, Pa. Shoe sole laying mechanism. 2,239,737; Apr. 29.
Roos, Carlisle K., Wheaton, assignor to United States Gypsum Company, Chicago, Ill. Making plastic products. 2,239,860; Apr. 29.
Roose, Carlisle K., Wheaton, D. F. Jurgensen, Jr., Chicago, and T. P. Camp, Glen Ellyn, assignors to United States Gypsum Company, Chicago, Ill. Making plastic products. 2,239,861; Apr. 29.
Rose, William D., Portland, Oreg. Mop. 2,240,419; Apr. 19.
Rosenberg, Ralph H., assignor to Detroit Duo-Grip Brake Company, Detroit, Mich. Brake mechanism. 2,239,977; Apr. 29.
Ross and White Company. (See Ross, Clyde P., assignor.)
Ross, Clyde P., Kenilworth, assignor to Ross and White Company, Chicago, Ill. Coaling gate. 2,240,350; Apr. 29.
Ross, Ralph P., Dallas, Tex. Combination calculator. 2,240,226; Apr. 29.
Rostone Corporation. (See Power, Laurence E., assignor.)
Rotary Index Co. (See Bruen, George C., assignor.)
Roth, Adolf N., San Francisco, Calif. Electrically controlled gas valve. 2,240,079; Apr. 29.
Rothman, Jacob. (See Goldstein, Aaron D., assignor.)
Rottmueller, Carl F. (See Fechheimer, Paul R., and Rottmueller.)
Rowe, Hartley. (See Rippey, G. S., and Rowe.)
Ruddy, Martin T., Lakewood, Ohio. Dowel. 2,240,268; Apr. 29.
Ruiz, Ignacio L., New York, N. Y. Fishline sinker. 2,239,934; Apr. 29.
Russell Manufacturing Company, The. (See Walters, Gustav, assignor.)
Russell, Percy, Wilmington, Del. Motor regulator. 2,239,738; Apr. 29.
Rutherford, John J. R., Jersey City, N. J., assignor to United States Steel Corporation, New York, N. Y. Preventing wedge and contact corrosion of metals and alloys. 2,240,021; Apr. 29.
Ruths, Robert J., Baltimore, Md., and H. L. Dodson, U. S. Navy. Variable pitch propeller. 2,239,739; Apr. 29.
Saaf, Fritz A. (See Bolesky, K. C., and Saaf.)
Sackel, Joseph. (See Croll, Percy, Jr., assignor.)
Sadvary, Michael J., New York, N. Y. Safety latch for gas valves. 2,239,831; Apr. 29.
Sager, George F., and F. Keller, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Producing duplex metal articles. 2,240,055; Apr. 29.
St. Clair, Julia A., Los Angeles, Calif. Lingerie fastener. 2,240,023; Apr. 29.
St. Louis Aircraft Corporation. (See McKay, Harry M., assignor.)
Salvos, Léon, Billancourt, assignor to L. Renault, Billancourt, Seine, France. Framework for vehicles. 2,240,022; Apr. 29.
Sallee, E. Ruth, administratrix. (See Sallee, Webster I.)
Sallee, Webster I., deceased, Cleveland, Ohio, E. R. Sallee, administratrix. Pulverizing mill. 2,240,269; Apr. 29.
Sanders, Royden C., Jr., Audubon, N. J., assignor to Radio Corporation of America. Signal detecting system. 2,239,757; Apr. 29.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Wall bracket. 2,239,978; Apr. 29.
Saussure, George E., Pittsburgh, Pa. Apparatus for cleaning lubricant receptacles. 2,240,227; Apr. 29.
Savage, Peter J., Iron River, Wis. Headlight. 2,240,351; Apr. 29.
Scalph, Orvin V., and E. W. Hufford, Spokane, Wash. Electric toaster. 2,239,802; Apr. 29.
Scarlett, Arthur A., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Harrow. 2,240,147; Apr. 29.
Schade, Frank S., Holyoke, Mass., assignor to National Blank Book Company. Loose-leaf book of zipper type having easel writing table construction. 2,240,122; Apr. 29.
Schaefer, Robert M., assignor to Twin Disc Clutch Company, Racine, Wis. Hydraulic transmission. 2,240,270; Apr. 29.
Schall, Myron R., Sacramento, Calif. Adjustable abdominal exercising apparatus. 2,240,228; Apr. 29.
Schärli, Otto, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. High frequency oscillator. 2,240,229; Apr. 29.
Scheib, Walter, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Method for producing urea-formaldehyde resins. 2,240,271; Apr. 29.
Scherer, William C., Detroit, Mich. Window structure. 2,239,758; Apr. 29.
Schering Corporation. (See Serini, A., Strassberger, and Butenandt, assignors.)
Scherman, Fred A., assignor to Ajax Tool and Die Company, Racine, Wis. Stapling mechanism. 2,239,935; Apr. 29.
Schlecke, Otto, Vienna, Austria. Bright annealing elongated metal bodies. 2,240,099; Apr. 29.
Schlachter, Nicholas J., Gettysburg, S. Dak. Water motor supporting float. 2,239,740; Apr. 29.
Schlichting, Harold R., Broad Brook, Conn. V Block. 2,240,230; Apr. 29.
Schlipp, Ludwig, Kassel, assignor to Spinnfaser Aktiengesellschaft, Kassel-Bettenhausen, Germany. Draw frame. 2,239,863; Apr. 29.
Schlumbohm, Peter, New York, N. Y. Method of and apparatus for freezing liquids. 2,240,463; Apr. 29.
Schmidt, Martin, Kassel-Land, Germany. Water tube steam generator and parts thereof. 2,240,100; Apr. 29.
Schmidt, Rudolf, Weisswasser, Oberlausitz, and W. Hänlein, Berlin-Spandau, Germany, assignors to General Electric Company, Glass. 2,240,352; Apr. 29.
Schmitter, Walter P., and A. G. Bade, assignors to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,240,148; Apr. 29.
Schmitz, Michael, Ferndale, Mich. Eccentric gear pump. 2,240,056; Apr. 29.
Schneider, Emma, administratrix. (See Schneider, Max.)

Schneider, Max, deceased; E. Schneider, administratrix, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Manufacture of spinnerettes. 2,239,979; Apr. 29.
Schnetzler, Karl G., Wembley Park, England, assignor to General Electric Company. High-pressure metal-vapor electric discharge lamp. 2,240,353; Apr. 29.
Schnitzer, Bernard E., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Electrical system. 2,240,420; Apr. 29.
Schroder, John E., assignor of one-half to W. E. Mellquist, Worcester, Mass. Device for cleaning and mixing paint and the like. 2,239,741; Apr. 29.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Cecka, Franz, assignor.)
Schulenburg, George F., St. Louis, Mo. Crotch bearing mop. 2,239,759; Apr. 29.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,239,903; Apr. 29.
Schwenk, Hans. (See Breitling, E., Schwenk, and Uhlmann.)
Scott, Charles H. (See Linch, H. A., and Scott.)
Scott, Sidney M., Needham, assignor to Boston Envelope Company, Needham, Mass. Apparatus for shaping flat cups. 2,240,165; Apr. 29.
Scott & Williams, Incorporated. (See Shelmire, Stanley R., assignor.)
Scovill Manufacturing Company. (See Seyfried, Arthur W., assignor.)
Seaman, Joseph W. (See Linde, L. J., and Seaman.)
Sears, Darell C. (See Giles, Leonard H., assignor.)
Secretary of Agriculture of the United States of America, Wallace, Henry A. (See Smith, Lloyd E., assignor.)
Self-Adjusting Tappets Limited. (See Holmes, D. C., and Griffiths, assignors.)
Serini, Arthur, Berlin, Lothar Strassberger, Berlin-Wilmersdorf, and A. Butenandt, Berlin-Dahlem, Germany, assignors to Schering Corporation, Bloomfield, N. J. Preparation of pregnendiones from pregnenolones. 2,239,742; Apr. 29.
Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Caster lock. 2,240,149; Apr. 29.
Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Suction cleaner motor mounting. 2,240,150; Apr. 29.
Shell Development Company. (See Moser, Franz R., assignor.)
Shelmire, Stanley R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine. 2,240,421; Apr. 29.
Sherman, Rallston M., Glastonbury, Conn. Liquid fuel burner. 2,240,380; Apr. 29.
Sherman, Rallston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Electric ignition means for combustion tube burners. 2,240,379; Apr. 29.
Short, Arthur B. (See Hunter, L., and Short.)
Shouldis, J. C., et al. (See Carper, Earl W., assignor.)
Shouldis, Warren, et al. (See Carper, Earl W., assignor.)
Shoup, Frederic, Oaklyn, N. J., and A. D. Burt, Narberth, Pa., assignors to Radio Corporation of America, New York, N. Y. Power supply system. 2,240,123; Apr. 29.
Sibley, Edward W., Kenmore, assignor to Trico Products Corporation, Buffalo, N. Y. Valve mechanism for windshield cleaner motors. 2,240,381; Apr. 29.
Siemens & Halske Aktiengesellschaft. (See Bader, Wilhelm, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Golicke, R., and Jaumann, assignors.)
Sigoda, Victor J., Brooklyn, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Trimming device for sewing machines. 2,239,743; Apr. 29.
Silent Glow Oil Burner Corporation, The. (See Sherman, Rallston M., assignor.)
Simmon Brothers Inc. (See Simmon, Rudolph, assignor.)
Simmon, Rudolph, Jackson Heights, assignor to Simmon Brothers Inc., Long Island City, N. Y. Photographic enlarger. 2,239,760; Apr. 29.
Simmons, Norwood L., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic gelatin layer containing a polyglycerol monoester. 2,240,475; Apr. 29.
Simmons, Norwood L., and D. R. Swan, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic gelatin layer containing an ester of sulphosuccinic acid. 2,240,476; Apr. 29.
Simons, Edward W., San Francisco, assignor to Redwood Manufacturing Co., Pittsburg, Calif. Cooling tower construction. 2,239,936; Apr. 29.
Sinclair Refining Company. (See Fairlie, Matthew, assignor.)
Singer Manufacturing Company, The. (See Parry, Frank, assignor.)
Sleeper, Milton B. (See Heindel, H. J., Sleeper, and Cawein.)
Smith, Carlisle F., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Pump priming apparatus. 2,240,057; Apr. 29.
Smith, Dana W., and W. L. Fink, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa. Thermal treatment for aluminum base alloys. 2,239,744; Apr. 29.
Smith, Edith P., Berkeley, Calif. Bait protector. 2,239,937; Apr. 29.
Smith, Edward W., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery. 2,240,464; Apr. 29.
Smith, Fred, Kelowna, British Columbia, Canada. Closure for test tubes or the like. 2,240,101; Apr. 29.
Smith, Hannah M. (See Keen, Thomas A., assignor.)
Smith, Lloyd E., Washington, D. C., assignor to Henry A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,239,832; Apr. 29.
Smith, Nelson J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,240,354; Apr. 29.
Smith, Newland F., Jr., Wyndmoor, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Synchronizing circuit. 2,240,422; Apr. 29.
Smith, Norman J., Medfield, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Tube support for gauges, recorders, and the like. 2,239,938; Apr. 29.
Smith, S. Morgan, Company. (See Murphy, Edwin W., assignor.)
Smith, William R., Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy for simulating baggage transfer. 2,240,124; Apr. 29.
Sneed, Wellington A., Davenport, Iowa. Haircutting apparatus. 2,239,939; Apr. 29.
Société à Responsabilité limitée dite: La Chronostereoscopie. (See Carré, Suzanne, assignor.)
Socony-Vacuum Oil Company. (See Badertscher, Darwin E., assignor.)
Soderberg, Karl Gustaf, assignor to The Udylite Corporation, Detroit, Mich. Tumbling machine. 2,239,904; Apr. 29.
Solenthaler, Johann, Rheineck, Switzerland. Plural-pole single-throw switch. 2,240,196; Apr. 29.
Sorge, Otto, Berlin, Germany. Rotary machine. 2,240,465; Apr. 29.
Soulary, Pierre, assignor to l'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France. Operating device for adjustable transformers and the like. 2,239,941; Apr. 29.
SoundScriber Corporation, The. (See Thompson, Lincoln, assignor.)
SoundScriber Corporation, The. (See Thompson, L., and Stone, assignors.)
Spackman, Thomas F., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,240,316; Apr. 29.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Adjustable constant voltage space discharge tube. 2,239,745; Apr. 29.
Sperry-Sun Well Surveying Company. (See Ring, Roland, assignor.)
Spiess, Georg, Leipzig, Germany. Sheet feeding control device. 2,240,423; Apr. 29.
Spiess, Georg, Leipzig, Germany. Sheet feeding and registering device. 2,240,424; Apr. 29.
Spinnfaser Aktiengesellschaft. (See Schlipp, Ludwig, assignor.)
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,239,746; Apr. 29.
Spring Products Corporation. (See O'Malley, Anthony J., assignor.)
Springfield Wire & Tinsel Co. (See Hennessy, Daniel E., assignor.)
Square D Company. (See Kingdon, R. H., and Moore, assignors.)
Square D Company. (See Kollsman, P., and Carbonara, assignors.)
Squibb, E. R., & Sons. (See Christiansen, W. G., and Deuble, assignors.)
Squibb, E. R., & Sons. (See Stavely, Homer E., assignor.)
Standard Oil Company. (See Page, J. M., and Voorhees, assignors.)
Stadt Henry M. (See Clayton, B., Kerrick, and Stadt.)
Stahly, Grant L., and W. W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del. Dextran ether ester. 2,239,980; Apr. 29.
Stalhane, Bertil, Stockholm, Sweden. Production of alloys of chromium and similar metals. 2,240,231; Apr. 29.
Stalnaker, Paul C., et al. (See Carper, Earl W., assignor.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Oil Development Company. (See Hooton, John, assignor.)
Standard Oil Development Company. (See Richardson, Roger W., assignor.)

Standard Products Company, The. (See Fairbank, Clarence C., assignor.)
Stanley, Richard E., Kansas City, Mo. Emergency air brake system. 2,240,166; Apr. 29.
Stark, Joseph W., New York, N. Y. Spool for narrow ware. 2,240,197; Apr. 29.
Stavely, Homer E., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Process for producing ethynyl cyclopentanopolyhydrophenanthrene compounds. 2,239,884; Apr 29.
Sternbergh, James H., Reading, Pa. Fastener. 2,240,425; Apr. 29.
Stewart-Warner Corporation. (See Le Fevre, Arden W., assignor.)
Stewart-Warner Corporation. (See Spackman, Thomas F., assignor.)
Stietzel, Fritz. (See Wolf, H., Kuss, Hohn, and Stietzel.)
Stone, Albert L. (See Stone, Frederick and A. L.)
Stone, Arthur W. and P. New York, N. Y. Folding table. 2,240,024; Apr. 29.
Stone, Ernest G., assignor to O. M. Franklin Serum Company, Denver, Colo. Branding tool. 2,239,761; Apr. 29.
Stone, Frederick, Redondo Beach, and A. L. Stone, Palos Verdes Estates, assignors to Hydril Company of California, Los Angeles, Calif. Well pipe joint. 2,239,942; Apr. 29.
Stone, James B. (See Nance, W. E., and Stone.)
Stone, Page. (See Stone, A. W. and P.)
Stone, Robert L. (See Thompson, L., and Stone.)
Stonehouse, William J. P., Richmond, Victoria, Australia. Fused connector. 2,240,080; Apr. 29.
Storrs, Kindred L., Coal City, Utah. Fuel form manufacturing appartus. 2,239,833; Apr. 29.
Stover, Clyde N., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Article of manufacture. 2,240,058; Apr. 29.
Strassberger, Lothar. (See Serini, A., Strassberger, and Butenandt.)
Stratton, Kenneth, assignor to Corning Glass Works, Corning, N. Y. Tempering glass tubing. 2,239,796; Apr. 29.
Stroup, Charles L., Oak Park, Ill. Current interrupting apparatus. 2,239,940; Apr. 29.
Strube, Raymond L., Kinsley, Kans., assignor to A. B. Chance Company, Centralia, Mo. Winding device. 2,240,125; Apr. 29.
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Superheater Company, The. (See Towle, H. C., and Barnes, assignors.)
Swan, Donald R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic gelatin layer containing a monoester of sorbitol. 2,240,470; Apr. 29.
Swan, Donald R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic gelatin layer containing a N-acylated amino acid. 2,240,471; Apr. 29.
Swan, Donald R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic gelatin layer containing a di-(polyalkylene glycoxy) alkane. 2,240,472; Apr. 29.
Swan, Donald R., and C. G. Lindquist, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion layer containing a derivative of a hydroxyalkyl ether of a polyhydric alcohol. 2,240,469; Apr. 29.
Swan, Donald R. (See Simmons, N. L., and Swan.)
Swenson, Carl E., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Motor car drive. 2,240,317; Apr. 29.
Swimley, Owen M., Washington, D. C., assignor of one-half to D. B. Galt, Hyattsville, Md. Truck. 2,240,355; Apr. 29.
Sword, Robert, Linslaw, Oreg. Bulldozer. 2,239,943; Apr. 29.
Sylvania Industrial Corporation. (See Wade, Worth, assignor.)
Symington-Gould Corporation, The. (See Barrows, D. S., and Blattner, assignors.)
Tabern, Donalee L., Lake Bluff, assignor to Abbott Laboratories, North Chicago, Ill. Resolution of racemic mixtures. 2,240,318; Apr. 29.
Talon, Inc. (See Carlile, Alfred E., assignor.)
Tautz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Switch box. 2,240,426; Apr. 29.
Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Suction cleaning apparatus. 2,239,762; Apr. 29.
Taylor, Harden F., and R. H. Bedford, assignors to The Atlantic Coast Fisheries Company, New York, N. Y. Extracting oil. 2,240,232; Apr. 29.
Taylor, James H., Oak Park, Ill. Producing pipe fittings. 2,240,319; Apr. 29.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, W., and Prost, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Geiger, Max, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Tuxen, Otto, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Teletype Corporation. (See Krum, Howard L., assignor.)
Terry, Spencer B., West Hartford, and R. S. Fox, assignors to Niles-Bement-Pond Company, Hartford, Conn. Internal dimension gauge. 2,239,981; Apr. 29.
Tessmer, Gordon H., assignor to Warner Manufacturing Company, Minneapolis, Minn. Fluid pressure pump. 2,240,356; Apr. 29.
Textor, Andre F., Sussex, N. J. Automatic pressure valve. 2,240,102; Apr. 29.
Textor, Andre F., and R. F. Abbott, Sussex, and H. E. Roberts, New Brunswick, N. J. Milk mixing device. 2,240,103; Apr. 29.
Thaxton, James B., assignor to Paper Package Company, Indianapolis, Ind. Box forming machine. 2,240,445; Apr. 29.
Thöm, Kurt. (See Dillenburger, W., and Thöm.)
Thomas, Charles A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Hydrocarbon drying oil. 2,240,081; Apr. 29.
Thommen, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker. 2,240,233; Apr. 29.
Thompson, Lincoln, assignor to The SoundScriber Corporation, Stamford, Conn. Quick start and stop mechanism for phonograph turntables. 2,240,320; Apr. 29.
Thompson, Lincoln, and R. L. Stone, assignors to The SoundScriber Corporation, Stamford, Conn. Transcribing machine. 2,240,321; Apr. 29.
Thompson Products, Incorporated. (See Crawford, Frederick C., assignor.)
Thomsen, Viggo J., Detroit, Mich. Anchoring template for machinery and the like. 2,240,427; Apr. 29.
Thomson, S. H., Manufacturing Company, The. (See Nixon, Carl W., assignor.)
Thoresen, Ralph S., Darien, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Oil burner. 2,240,059; Apr. 29.
Thornthwaite, Charles W., Arlington, Va., dedicated to the free use of the people in the territory of the United States. Dew point recorder and indicator. 2,240,082; Apr. 29.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Refining oil. 2,239,747; Apr. 29.
Tide Water Associated Oil Company. (See Cook, Elmer W., assignor.)
Tide Water Associated Oil Company. (See Lewis, Arthur W., assignor.)
Tietig, Chester. (See Haupo, W. H., Ware, and Tietig.)
Timken Roller Bearing Company, The. (See Bergert, Henry A., assignor.)
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Timken Roller Bearing, Company, The. (See Horger, Oscar J., assignor.)
Timken Roller Bearing Company, The. (See Horger, Ralph E., assignor.)
Timken Roller Bearing Company, The. (See Jackman, Arthur E., Jr., assignor.)
Timken Roller Bearing Company, The. (See Weckstein, Samson M., assignor.)
Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Spring fastener. 2,239,797; Apr. 29.
Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Handle or knob mounting and the like. 2,239,798; Apr. 29.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tobie, Lewis R., Augusta, Ill. Amusement ride device. 2,239,944; Apr. 29.
Tollin, Aaron, et al. (See Casey, Hilton W., assignor.)
Tondreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film printing apparatus. 2,240,083; Apr. 29.
Toole, Gerald C. (See Field, C., and Toole.)
Toussaint, Walter J., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Vinyl esters. 2,239,703; Apr. 29.
Towle, Howard C., Mountain Lakes, N. J., and J. A. Barnes, Chappaqua, assignors to The Superheater Company, New York, N. Y. Superheater for scotch boilers. 2,240,198; Apr. 29.
Trans-Lux Corporation. (See Hudson, Jesse B., assignor.)
Travis, Charles, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Electrical circuits. 2,240,428; Apr. 29.
Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Filter circuits. 2,239,905; Apr. 29.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Sibley, Edward W., assignor.)
Troche, Herman J. (See Larsen, N. P., and Troche.)
Truman, William J., White River, S. Dak. Remote control mechanism for hay rakes. 2,240,272; Apr. 29.
Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Apparatus for abrasively treating metal castings, forgings, and the like. 2,240,248; Apr. 29.
Tuthill, Howard B., and H. F. Caldwell, assignors to Oliver Machinery Company, Grand Rapids, Mich. Feeding and folding mechanism for wrapping machines. 2,239,945; Apr 29.

Tüxen, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Noise control circuit. 2,239,906; Apr. 29.
Twin Disc Clutch Company. (See Adamson, N. F., and Bastrup, assignors.)
Twin Disc Clutch Company. (See Schaefer, Robert M., assignor.)
Udylite Corporation, The. (See Soderberg, Karl G., assignor.)
Uhlmann, Hans. (See Breitling, E., Schwenk, and Uhlmann.)
Uhri, William C., Jr., and W. P. Gruner, St. Louis, Mo. Mixing device. 2,240,104; Apr. 29.
United Fruit Company. (See Rippey, G. S., and Rowe, assignors.)
United Shoe Machinery Corporation. (See Baker, Corwin W., assignor.)
United Shoe Machinery Corporation. (See Better, Francis J., assignor.)
United Shoe Machinery Corporation. (See Engel, K., and Kinney, assignors.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United States Gypsum Company. (See Roos, Carlisle K., assignor.)
United States Gypsum Company. (See Roos, C. K., Jergensen, and Camp, assignors.)
United States Steel Corporation. (See Rutherford, John J. B., assignor.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Oil Uroducts Company. (See Huff, Lyman C., assignor.)
Upchurch, Thomas B., Jr., Raeford, N. C. Protective helmet. 2,239,946; Apr. 29.
Urschel, William E., Valparaiso, Ind. Spinach harvesting machine. 2,240,273; Apr. 29.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television scanning apparatus. 2,239,748; Apr. 29.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray deflecting coil. 2,239,865; Apr. 29.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Amplifier system. 2,240,060; Apr. 29.
Valcourt, Lawrence, Pawtucket, assignor to Carl-Art, Inc., Providence, R. I. Locket. 2,239,799; Apr. 29.
Van Alstine, Robert L., Philadelphia, Pa. Regroover for tires. 2,240,382; Apr. 29.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Attachment for showcase units. 2,239,947; Apr. 29.
Van Loon, Carel J., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning control circuits. 2,239,907; Apr. 29.
Vanucci, Frank. (See Lannan, G. M., and Vanucci.)
Varela, Arthur A., Washington, D. C. Electron beam tube. 2,239,749; Apr. 29.
Vegetable Oil Products Company. (See Behr, Otho M., assignor.)
Verbeek, Arnold F., Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y. Carrier rod driving and control mechanism. 2,240,061; Apr. 29.
Vernon Tool Co., Ltd. (See Corwin, Harry L., assignor.)
Vickers, Carroll B., Kenmore, assignor to Vickers Manufacturing Corporation, Buffalo, N. Y. Hydraulic power unit. 2,239,866; Apr. 29.
Vickers Manufacturing Corporation. (See Vickers, Carroll B., assignor.)
Victor Manufacturing & Gasket Company. (See Bernstein, Wilburn F., assignor.)
Victor Manufacturing & Gasket Company. (See Heinze, W. A., and Bernstein, assignors.)
Victor Manufacturing & Gasket Company. (See Lillis, Stephen M., assignor.)
Vogel, Max, Frankfort-on-the-Main, Germany. Stapling plier. 2,240,105; Apr. 29.
Vogt, Hans, Berlin-Neukolln, and E. Klotz, Berlin-Hermsdorf, Germany; said Klotz assignor to said Vogt. Production of sintered articles. 2,239,800; Apr. 29.
Vollmer, Joseph, Berlin-Schlachtensee, assignor to Motoren-Werke Mannheim Aktien-Gesellschaft, vormals Benz Abteilung Stationarer Motorenbau, Mannheim, Germany. Drive for motor vehicles. 2,240,084; Apr. 29.
Volney, Svatopluk C., New York, N. Y. Combined phonograph and slide film projector. 2,240,446; Apr. 29.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Labeling machine. 2,240,106; Apr. 29.
Voorhees, Vanderveer. (See Page, J. M., and Voorhees.)
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic cracking system. 2,239,801; Apr. 29.
Vordemberge, Louis M., Baltimore, Md. Saddle and girth connector. 2,239,764; Apr. 29.
Vulcan Manufacturing Co. (See Bartz, Frederick W., assignor.)
Wade, Worth, New York, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article and process and apparatus for producing the same. 2,240,274; Apr. 29.
Wagner, Edward E. (See Feldbush, H. A., Wagner, and Hendrie.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Wagner, Walter C., Ardmore, Pa. Fluid meter. 2,240,357; Apr. 29.
Waldron, John, Corporation. (See Egan, F. W., and Case, assignors.)
Walker Manufacturing Company of Wisconsin. (See Mizer, Joseph J., assignor.)
Wall, John M., Syracuse, N. Y. Shift-over mechanism for cameras and the like. 2,240,126; Apr. 29.
Waller, A. E., Company. (See Hurewitz, Alexander, assignor.)
Walsh, Carroll H. (See Pittman, R. R., and Walsh.)
Walter, Edward C., assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,240,234; Apr. 29.
Walters, Gustav, assignor to The Russell Manufacturing Company, Middletown, Conn. Friction-disk and method of making same. 2,240,358; Apr. 29.
Wampner, Herbert L., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Bronzing lacquer. 2,240,151; Apr. 29.
Ware, Haden S. (See Haupt, W. H., Ware, and Tietig.)
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Warner Manufacturing Company. (See Tessmer, Gordon H., assignor.)
Warren, Glenn E. (See Lord, K. M., and Warren.)
Watkins, Charles A., J. G. Wright, and C. T. Harris, assignors to The Auto Soler Company, Atlanta, Ga. Shoe soling machine. 2,240,429; Apr. 29.
Webster, Samuel T., Worcester, Mass. Speed control apparatus. 2,240,322; Apr. 29.
Weckstein, Samson M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Shaft mounting. 2,239,867; Apr. 29.
Weeks, Francis H., Haworth, and R. B. Weeks, Rutherford, N. J. Device of the crane type for the loading and unloading of magnetic materials. 2,239,750; Apr. 29.
Weeks, Richard B. (See Weeks, Francis H. and R. B.)
Weigel, Daniel M., Cleveland, Ohio. Clutch. 2,240,359; Apr. 29.
Welsbecker, Frank G., Glenside, assignor to Hosiery Patents Incorporated, Lansdale, Pa. Knitting machine. 2,240,467; Apr. 29.
Welsbecker, Frank G., Glenside, assignor to Hosiery Patents Incorporated, Lansdale, Pa. Knitting machine. 2,240,468; Apr. 29.
Welch, Fred S., and G. O. White, assignors to C. S. Payne, Los Angeles, Calif. Toy. 2,239,982; Apr. 29.
Welch, Lewis W., Detroit, assignor to Novi Equipment Company, Novi, Mich. Heating apparatus for motor vehicles. 2,240,062; Apr. 29.
Welch, Lewis W., Detroit, assignor to Novi Equipment Company, Novi, Mich. Making heater structures. 2,240,473; Apr. 29.
Welch, Lewis W., Detroit, assignor to Novi Equipment Company, Novi, Mich. Heater structure. 2,240,474; Apr. 29.
Wells, Daniel D., Milton, Fla. Emergency ignition control switch. 2,240,085; Apr. 29.
Wells, Sherman F., Minneapolis, Minn. Vacuum cleaner with mop cleaning receptacle. 2,240,107; Apr. 29.
Westby, Adolph C., Long Beach, Calif. Fish lure. 2,239,802; Apr. 29.
Western Electric Company. (See Johnstone, H. G., and Robbins, assignors.)
Western Electric Company. (See Stover, Clyde N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fischer, Frederick K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taylor, Charles H., assignor.)
Whan, Martin, McCloud, Calif. Utility hook for fishermen. 2,240,235; Apr. 29.
Whedon, Le Grand S., et al. (See Hunter, I., and Short, assignors.)
White, Glyn O. (See Welch, F. S., and White.)
Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)
Whitman, George F., assignor to Barber-Coleman Company, Rockford, Ill. Rotary cutter. 2,240,360; Apr. 29.
Whitmore, Frank C., State College, Pa., and A. H. Homeyer, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Highly branched brominated organic acids and their esters. 2,240,275; Apr. 29.
Wickwire, Arthur M., Jr., Mountain Lakes, assignor to Champlain Corporation, Garfield, N. J. Textile printing press. 2,240,249; Apr. 29.
Wiese, Harry E., Oshkosh, Wis. Road-building machine. 2,240,108; Apr. 29.
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Roofing and the like. 2,240,447; Apr. 29.
Willard, Frank M., Timber Lake, S. Dak. Jack mechanism. 2,240,430; Apr. 29.
Willetts, Paul G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass melting furnace. 2,240,361; Apr. 29.
Williams, Andrew D., Ocean Drive, S. C. Mop. 2,240,431; Apr. 29.

Williams, Harry E., and L. A. Durant, Chicago, Ill. Novelty score indicator. 2,240,276; Apr. 29.
Williams, James H., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Aminosulphonamido diphenyl sulphones. 2,240,383; Apr. 29.
Williams, Judson, Philadelphia, Pa. Bearing. 2,239,834; Apr. 29.
Williams, Lewis W., Short Hills, assignor to Motor Improvements, Inc., Newark, N. J. Filter. 2,239,868; Apr. 29
Wilson, John R., Wilkinsburg, Pa., assignor to Hanlon and Wilson Company. Rail bond. 2,240,199; Apr. 29.
Winterhalter Martin, Morcote-Castello, near Lugano, Switzerland Sliding clasp fastener. 2,239,803; Apr. 29.
Witchger, Eugene S., Detroit, Mich. Joint. 2,240,432; Apr. 29
Wolf, Hermann, E. Kuss, H. Hohn, and F. Stietzel, assignors of one-half to Duisburger Kupferhütte, Duisburg, and one-half to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treating liquid zinc amalgams. 2,239,869; Apr. 29.
Wolfskill, John M., assignor to Billey Electric Company, Erie, Pa. Piezoelectric crystal apparatus. 2,240,449–53; Apr. 29
Wolverine Ice Cream Vending Machine Co. (See Campbell, W. A., and Lanway, assignors.)
Wood, Lallabar and Company Limited. (See Morse, Sydney H., assignor.)
Woodall Industries Incorporated. (See Burns, Earl A., assignor.)
Worne, Howard, and J. S. Pierce, Georgetown, Ky., assignors to S. Brass, New York, N. Y. Mercurated halogenated phenyl phenol 2,240,025; Apr. 29
Worthington Pump and Machinery Corporation. (See Feldbush, H. A., Wagner, and Hendrie, assignors.)
Wright, Harry. (See Kelsey, R. A., and Wright.)
Wright, John G. (See Watkins, C. A., Wright, and Harris.)
Wurzbach, Hugh E., and C. H. Konold, Magna, Utah. Elongated vibratory conveyer. 2,239,765; Apr. 29.
X-Ray Flash Lamp Corporation. (See Eaton, Roland D., assignor.)
Yorkin, Maurice A., et al. (See Bert, Samuel D., assignor.)
Young, William R., Fairfield, and F. D. Bryant, Stratford, Conn., assignors to General Electric Company. Lamp holder. 2,240,200; Apr. 29
Young, Stephen M, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Harrow. 2,239,948; Apr. 29.
Zabel, William C., Chicago, Ill. Culinary tool. 2,239,766; Apr. 29.
Zimmerman, Arthur G., Indianapolis, Ind., assignor to Radio Corporation of America. Sound motion picture apparatus. 2,240,323; Apr. 29.
Zimmerman, Henry, Chicago, Ill. Dental articulator. 2,239,835; Apr. 29.
Zirkle, D. F., et al. (See Carper, Earl W., assignor.)
Zoder, Incorporated (See Zoder, Orren E., assignor.)
Zoder, Orren E., assignor, by mesne assignments, to Zoder, Incorporated, St. Louis, Mo. Safety apparatus. 2,240,277; Apr. 29
Zusy, Charles J. (See Bauer, C. V., Cina, and Zusy.)
Zusy, Kathryn, administratrix. (See Bauer, C. V., Cina, and Zusy.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Approach control apparatus for railway signaling systems. H. G. Blosser. Re. 21,783; Apr. 29.
Craft, Marine. C. H. Clark. Re. 21,787; Apr. 29.
Napkin folding machine. P. Burke and J. E. Blosser. Re. 21,785; Apr. 29.
Refrigeration. W. G. Kögel and P. P. Strandberg. Re. 21,788; Apr. 29.
Shaving machine. T. S. Casner. Re. 21,786; Apr. 29.
Swing current equipment. S. W. Borden. Re. 21,784; Apr. 29.

LIST OF PLANT INVENTIONS

Carnation plant. P. J. Goebel. 463; Apr. 29.
Daisy, Shasta. H. P. Read. 465; Apr. 29.
Rose plant. F. H. Howard. 464; Apr. 29.

LIST OF DESIGN INVENTIONS

Automobile. F. W. Plumb. 126,874; Apr. 29.
Bar, Back. J. Moreno. 126,836; Apr. 29.
Base and cover for a desk phonograph, Combined supporting. T. H. Beard, J. M. Lucarelle, and W. J. O'Neil. 126,869; Apr. 29.
Block, Hollow glass building. R. C. Kendall. 126,906; Apr. 29.
Block, Plastic, building or paving. C. H. Rothmann. 126,857; Apr. 29.
Bomb, Well. C. A. Ricou. 126,856; Apr. 29.
Bonnet, Vacuum beauty. D. M. Ackerman. 126,862; Apr. 29.
Bracket, Window shade. A. L. Thexton. 126,843; Apr. 29.
Braid, Elastic. R. G. Manderbach. 126,835; Apr. 29.
Brassière or the like. W. Rosenthal. 126,918; Apr. 29.
Brooch. W. Regelmann. 126,915–17; Apr. 29.
Brooch or similar article. G. Verrecchio. 126,922–3; Apr. 29.
Brooch, Perfume. J. L. Younghusband. 126,928; Apr. 29.
Building. I. J. Leavitt. 126,853; Apr. 29.
Cabinet, Display. P. A. Magid. 126,834; Apr. 29.
Cabinet, Radio-phonograph. E. F. Haines. 125,863; Apr. 29.
Cabinet, Radio-phonograph. E. I. Harman. 126,864; Apr. 29.
Cape. O. Kiam. 126,908; Apr. 29.
Car of a rail vehicle, Rear. J. W. Patton. 126,867; Apr. 29.
Card, Fabric display sample. S. E. Bender. 126,830; Apr. 29.
Centrifuge. A. A. Goldstein. 126,851; Apr. 29.
Cloth and soap holder, Combined back scrubbing. A. N. Steichen. 126,875; Apr. 29.
Coat. C. Goldstein. 126,832; Apr. 29.
Coat. S. Zimmerman. 126,845; Apr. 29.
Container for perfume bottle, or similar article. J. H. Willmarth. 126,860; Apr. 29.
Container, Toilet powder. L. J. Colwell. 126,847; Apr. 29.
Cushion, Bed pan. E. R. Miller. 126,866; Apr. 29.
Dish washing machine. O. K. Cox. 126,848; Apr. 29.
Dress. E. Breer. 126,943; Apr. 29.
Dress. B. Cashin. 126,879; Apr. 29.
Dress. B. Cashin. 126,929; Apr. 29.
Dress. B. Cashin. 126,931; Apr. 29.
Dress. B. Cashin. 126,945–8; Apr. 29.
Dress. S. Franklin. 126,933–6; Apr. 29.
Dress. S. Franklin. 126,955–6; Apr. 29.
Dress. M. Galowitz. 126,957–8; Apr. 29.
Dress. A. Gershuny. 126,949; Apr. 29.
Dress. A. Gershuny. 126,959; Apr. 29.
Dress. C. Jaccarino. 126,937; Apr. 29.
Dress. C. Jaccarino. 126,950–2; Apr. 29.
Dress. H. W. Julius. 126,905; Apr. 29.
Dress. C. Lang. 126,890; Apr. 29.
Dress. M. McCoy. 126,938–40; Apr. 29.
Dress. M. McCoy. 126,954; Apr. 29.
Dress. C. Potter. 126,941; Apr. 29.
Dress. F. T. Stix. 126,942; Apr. 29.
Dress. A. Verdi. 126,894; Apr. 29.
Dress. A. Verdi. 126,926–1; Apr. 29.
Dress. J. Walker. 126,924; Apr. 29.
Dress. J. Walker. 126,960–1; Apr. 29.
Dress ensemble. B. Cashin. 126,930; Apr. 29.
Dress ensemble. B. Claire. 126,881; Apr. 29.
Dress ensemble. H. Langer. 126,891; Apr. 29.
Dress ensemble. A. Verdi. 126,895; Apr. 29.
Dress ensemble. J. Walker. 126,896; Apr. 29.
Fabric, Embroidered. O. Hallbauer. 126,889; Apr. 29.
Fabric or similar article, Textile. M. Christian. 126,880; Apr. 29.
Fabric, Textile. T. F. Gurry, Jr. 126,883–7; Apr. 29.
Fabric, Textile. E. H. Moss. 126,892; Apr. 29.
Fender for a vehicle, Rear. R. J. Waterbury. 126,897; Apr. 29.
Game board. H. B. Te Winkle. 126,842; Apr. 29.
Game device. H. Singer. 126,841; Apr. 29.
Goblet or similar article, Stemmed. W. P. Morrison. 126,837; Apr. 29.
Hanger, Garment. M. M. Avery. 126,829; Apr. 29.
Holder, Cigarette. G. E. Carson. 126,878; Apr. 29.
Holder, Shoulder strap. F. Alberts. 126,899; Apr. 29.
Hood and supporting base for a dictating machine, Combined. W. J. O'Neil and L. S. Briggs. 126,871; Apr. 29.
Hood and supporting base for a transcribing machine, Combined. W. J. O'Neil and L. S. Briggs. 126,872; Apr. 29.
Jacket, Fur. O. Kiam. 126,907; Apr. 29.
Jacket, Fur. M. Sherwin. 126,919; Apr. 29.
Jacket or similar article. I. Kirschenbaum. 126,953; Apr. 29.
Lamp, Electric glow. H. C. Zaun. 126,861; Apr. 29.
Leather or similar article. J. Schiess. 126,839; Apr. 29.
Life preserver. N. L. De Candia. 126,882; Apr. 29.
Lifter, Jar cap. E. B. White. 126,898; Apr. 29.
Lighter. E. Kanter. 126,865; Apr. 29.
Lighting fixture or similar article. H. G. Alm. 126,846; Apr. 29.
Mouthpiece for a speaking tube of a phonograph. W. J. O'Neil and L. S. Briggs. 126,873; Apr. 29.
Pin. A. Frankenthaler and S. Rosenthal. 126,850; Apr. 29.
Pin or similar article. M. Boucher. 126,900–3; Apr. 29.
Pin or similar article. M. Boucher. 126,944; Apr. 29.
Rack or similar article, Towel. R. S. Sanford. 126,838; Apr. 29.
Rack, Tie. W. G. Williams. 126,844; Apr. 29.
Radio. S. Krasnikov. 126,870; Apr. 29.
Redingote. E. M. Ciccone. 126,932; Apr. 29.
Rug. L. Biva. 126,876–7; Apr. 29.
Shield, Lamp. C. D. McCann. 126,854; Apr. 29.
Ski, Scooter. R. R. Hylan. 126,833; Apr. 29.
Spectacles, Pair of. A. M. Silverman. 126,840; Apr. 29.
Stand, Fountain pen. P. C. Hall. 126,888; Apr. 29.
Stocking. S. I. and M. M. Burd. 126,904; Apr. 29.
Stocking or similar article, Christmas. J. B. Francis. 126,831; Apr. 29.
Stroller or similar article, Infant's collapsible. L. Peltier. 126,855; Apr. 29.
Tablecloth, Lace. W. C. Miller. 126,909; Apr. 29.
Tablecloth, Lace. F. P. Otto. 126,910–14; Apr. 29.
Tablecloth, Lace. J. Waterfield. 126,925–7; Apr. 29.
Timer, Electric. A. I. Newman. 126,893; Apr. 29.
Tire, Pneumatic. S. P. Thacher. 126,858–9; Apr. 29.
Toy whistle. S. P. Kaufman. 126,852; Apr. 29.
Vibrator. J. J. Flatley. 126,849; Apr. 29.
Wrapper, Box. B. Witmyer. 126,868; Apr. 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF APRIL, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive, Coated. N. E. Oglesby. 2,239,828; Apr. 29.
Absorbtion refrigerating apparatus. C. C. Coons and R. S. Nelson. 2,240,173; Apr. 29.
Absorbtion refrigeration apparatus. C. C. Coons and R. S. Nelson. 2,240,174–5; Apr. 29.
Acid, Preparation of hypochlorous. I. E. Muskat and G. H. Cady. 2,240,344; Apr. 29.
Acids and their esters, Highly branched brominated organic. F. C. Whitmore and A. H. Homeyer. 2,240,275; Apr. 29.
Adhesive. F. S. Bacon. 2,240,027; Apr. 29.
Adjustable chair. J. B. Newhardt. 2,239,732; Apr. 29.
Adjustable seat. W. R. Lustig. 2,240,143; Apr. 29.
Adjustable Venturi tube. J. M. Montgomery and E. Pick. 2,240,119; Apr. 29.
Air brake system, Emergency. R. E. Stanley. 2,240,166; Apr. 29.
Air cleaner. R. A. Kelsey and H. Wright. 2,240,042; Apr. 29.
Air conditioning apparatus. G. A. Jackson. 2,239,848; Apr. 29.
Aircraft. J. M. Gwinn, Jr. 2,240,258–9; Apr. 29.
Airfoil. H. M. McKay. 2,240,319; Apr. 29.
Alcohol, Composition of matter and pellicles of polyvinyl. E. F. Izard. 2,239,718; Apr. 29
Alloy: *See*—
Copper alloy
Alloy for metal to glass seals. V. O. Allen and C. P. Marsden, Jr. 2,240,064; Apr. 29
Alloys for metal to glass seals. V. O. Allen and C. P. Marsden, Jr. 2,240,063; Apr. 29
Alloys of chromium and similar metals, Production of. B. Stalhane. 2,240,231; Apr. 29.
Amides, Sulphopolycarnoxylic acid. M. Katzman. 2,239,720; Apr. 29.
Amplifier. V. M. Cousins. 2,240,286; Apr. 29.
Amplifier, Inverse feedback. R. A. Bierwirth. 2,239,773; Apr. 29.
Amplifier system. G. L. Usselman. 2,240,060; Apr. 29.
Amplifier, Wide band. J. A. Rankin. 2,239,830; Apr. 29.
Amusement ride device. L. R. Toble. 2,239,944; Apr. 29.
Anchor, Boat. R. C. Hobbs. 2,239,889; Apr. 29.
Animal trap. E. E. Risher and L. C. Bouma. 2,240,418; Apr. 29.
Annealing elongated metal bodies, Bright. O. Schincke. 2,240,099; Apr. 29.
Antenna and coaxial transmission line circuit. W. Buschbeck and H. Frost. 2,239,909; Apr. 29.
Antenna and transmission line system, Wide band short wave. P. S. Carter. 2,239,700; Apr. 29.
Antenna, Dipole. H. J. Heindel, M. B. Sleeper, and M. Cawein. 2,240,298; Apr. 29.
Antenna, Wide band. N. E. Lindenblad. 2,239,724; Apr. 29.
Antiskid device. G. E. Moore. 2,239,730; Apr. 29.
Apparatus and process for drying waxed paper. C. M. Rhodes and L. L. McGladrey. 2,240,315; Apr. 29.
Apparatus for abrasively treating metal castings, forgings, and the like. D. C. Turnbull. 2,240,248; Apr. 29.
Apparatus for abrasively treating metal objects. C. H. Hammell. 2,239,714; Apr. 29.
Apparatus for and method of apportioning chemicals to a flow of water. E. Pick. 2,240,164; Apr. 29.
Apparatus for burning fuels. A. L. Baker. 2,240,250; Apr. 29.
Apparatus for canning. C. O. Ball. 2,239,690; Apr. 29.
Apparatus for cleaning lubricant receptacles. G. E. Saussure. 2,240,227; Apr. 29.
Apparatus for cleaning metal articles. C. H. Hammell. 2,240,246; Apr. 29.
Apparatus for desludging settling tanks. C. M. Guldner, Jr., and E. Pick. 2,240,182; Apr. 29.
Apparatus for determining the minimum light visible. J. B. Feldman. 2,240,156; Apr. 29.
Apparatus for developing sensitized layers. S. H. Morse. 2,240,409; Apr. 29.
Apparatus for forming metal parts. E. J. Greif. 2,240,294; Apr. 29
Apparatus for handling glassware. O. M. Farris. 2,240,093; Apr. 29
Apparatus for honing internal screw threads. J. H. Hoern. 2,240,440; Apr. 29
Apparatus for making silver. G. M. Lannan and F. Vanucci. 2,239,722; Apr. 29
Apparatus for mounting crankpins and the like. H. A. Bergert. 2,239,873; Apr. 29.
Apparatus for precooling freight cars. A. Y. Preble. 2,240,377; Apr. 29
Apparatus for producing tubular articles having varying wall thickness. F. M. Darner. 2,240,456; Apr. 29.
Apparatus for separating leaf sheaths. C. S. Rippey and H. Rowe. 2,240,466; Apr. 29

Apparatus for shaping flat cups. S. M. Scott. 2,240,165; Apr. 29.
Apparatus for sinking forms for concrete piles. E. T. Beplat. 2,239,872; Apr. 29.
Apparatus for surveying wells. R. Ring. 2,240,417; Apr. 29.
Apparatus for working sheet metal blanks. J. M. Christman. 2,240,090; Apr. 29.
Arrangement for securing stereoscopic cinematographic projections. S. Carré. 2,240,131; Apr. 29.
Article and process and apparatus for producing the same. W. Wade. 2,240,274; Apr. 29.
Article of manufacture. R. G. Osborne. 2,239,970; Apr. 29.
Article of manufacture. C. N. Stover. 2,240,058; Apr. 29.
Articles, Production of sintered. H. Vogt and E. Klotz. 2,239,800; Apr. 29.
Attachment for cameras, View finder. J. Q. Kerrins. 2,239,788; Apr. 29.
Attachment for dental hand pieces. F. J. and J. J. Gibbons. 2,239,845; Apr. 29.
Automatic background control. R. C. Ballard. 2,240,281; Apr. 29.
Automatic pressure valve. A. F. Textor. 2,240,102; Apr. 29.
Automobile heater filter. A. W. Le Fevre. 2,240,368; Apr. 29.
Automobiles, Lighting system for. R. C. Bratt. 2,239,838; Apr. 29.
Axle for harvester-threshers. L. P. Millard. 2,239,926; Apr. 29.
Axle, Vehicle. E. F. Judd. 2,239,849; Apr. 29.
Backwash variation in water softeners, Automatic. N. E. Brice and C. M. Guldner. 2,240,171; Apr. 29
Bag: *See*—
Carry bag
Bag for preserving foodstuffs and method of making. H. M. J. T. de Poix. 2,240,245; Apr. 29.
Bait protector. E. P. Smith. 2,239,937; Apr. 29.
Base for porch columns. E. C. Pinney. 2,240,016; Apr. 29.
Battery, Storage. E. M. Smith. 2,240,464; Apr. 29.
Bearing: *See*—
Journal bearing.
Bearing. J. Williams. 2,239,834; Apr. 29.
Bearing with movable brush, particularly for watch movements. F. Martl. 2,239,682; Apr. 29.
Bed. V. Ciullo. 2,239,877; Apr. 29.
Bed, Chair. J. D. Bell. 2,240,204; Apr. 29.
Bed, Couch. G. A. Johnson. 2,240,216; Apr. 29.
Bin, Harvesting and storage. L. C. Pilcher. 2,239,827; Apr. 29.
Binder, Loose-leaf. J. A. Gibson. 2,239,958; Apr. 29.
Bismuth subsalicylate suspension. W. G. Christiansen and J. L. Denble. 2,240,036; Apr. 29.
Blanket and backing thereof, Hectograph. W. Hoskins, Jr., and R. C. Bour. 2,240,041; Apr. 29.
Blanket having an ortho acidic bonding agent, Hectographic. J. Bjorksten. 2,240,029; Apr. 29.
Blanket having a wetting type bonding agent, Hectograph. R. C. Bonr. 2,240,032; Apr. 29.
Block: *See*—
V-block.
Board: *See*—
Running board.
Boiler: *See*—
Waste heat boiler
Bond, Rail. J. R. Wilson. 2,240,199; Apr. 29.
Book of zipper type having easel writing table construction, Loose-leaf. F. S. Schade. 2,240,122; Apr. 29.
Bookstack. H. Adler. 2,240,086; Apr. 29.
Bottle cleaning mechanism. P. R. Fechheimer and C. F. Rottmueller. 2,240,069; Apr. 29
Box: *See*—
Switch box.
Box and corner construction therefor. A. Elmendorf. 2,240,256; Apr. 29.
Box forming machine. J. B. Thaxton. 2,240,445; Apr. 29
Bracket: *See*—
Wall bracket. Window shade bracket
Brake: *See*—
Vehicle brake. Wing air brake
Brake. R. and C. L. Eksergian. 2,240,366; Apr. 29
Brake actuating system, Inertia-operated ratio changing. W. R. Freeman. 2,239,955; Apr. 29.
Brake-band mounting. R. G. Le Tourneau. 2,239,824; Apr. 29.
Brake construction. H. T. Lambert. 2,240,218–19; Apr. 29.

Brake device, Automatic shaft. V. Kinser. 2,240,043; Apr. 29.
Brake mechanism. R. H. Rosenberg. 2,239,977; Apr. 29.
Brake system, Hydraulic. L. W. Kritzer. 2,239,751; Apr. 29.
Braking runner, for hauling vehicles. T. Huntington. 2,240,309; Apr. 29.
Braking system, Fluid pressure. O. H. Fowler. 2,239,673; Apr. 29.
Branding tool. E. G. Stone. 2,239,761; Apr. 29.
Brush, Adjustable and refillable. A. J. Kramer. 2,240,076; Apr. 29.
Buckle. J. B. Freysinger. 2,240,012; Apr. 29.
Building block and reinforced brick wall, Hollow brick. J. B. Peebles. 2,239,930; Apr. 29.
Building material. H. S. Colton. 2,240,254; Apr. 29.
Building structure. G. O. Gross. 2,239,817; Apr. 29.
Bulldozer. R. Sword. 2,239,943; Apr. 29.
Burner: *See*—
Liquid fuel burner. Oil burner.
Bushing, Steering column. J. D. Chamberlin. 2,240,285; Apr. 29.
Cable connecting means. A. E. Papp. 2,239,900; Apr. 29.
Calculating machine. E. C. Walter. 2,240,234; Apr. 29.
Calculator, Combination. R. P. Ross. 2,240,226; Apr. 29.
Cameras, Masking device for. W. F. Heitschmidt. 2,239,783; Apr. 29.
Camping structure, Collapsible. F. H. Bromschwig. 2,239,951; Apr. 29.
Candle base. J. Gisolfi. 2,240,071; Apr. 29.
Car coupling, Trippable plural interlock. A. C. Gilbert and M. H. Frisble. 2,240,137; Apr. 29.
Carburetor. E. Olson. 2,240,194; Apr. 29.
Carrier: *See*—
Fire extinguisher carrier.
Carry bag. G. W. Poppe. 2,239,857; Apr. 29.
Carry bag, Reinforced. G. W. Poppe. 2,239,856; Apr. 29.
Cash register, accounting and the like machine. E. Breitling, H. S. Chwenk, and H. Uhlmann. 2,239,807; Apr. 29
Caster lock. A. W. Seyfried. 2,240,149; Apr. 29.
Catalytic conversion system. J. M. Page, Jr., and V. Voorhees. 2,240,347; Apr. 29.
Catch, Door. H. B. Gallinger. 2,239,956; Apr. 29.
Cathode for electron discharge tubes. W. Fanselau. 2,239,954; Apr. 29.
Cellulose compounds, Precipitation of. H. E. Martin. 2,239,753; Apr. 29.
Cellulose materials, Precipitation of organic derivatives of. C. I. Haney. 2,239,782; Apr. 29.
Cement powder and the preparation of cement mortar therefrom, Water-glass. K. Dietz. 2,240,393; Apr. 29.
Cement, Refractory. O. L. Jones. 2,240,159; Apr. 29.
Centrifugal pump, Self-priming. P. G. Bogdanoff. 2,240,128; Apr. 29.
Centrifugal separator. H. L. Corwin. 2,239,992; Apr. 29.
Centrifuge. H. O. Lindgren. 2,240,141; Apr. 29.
Chair: *See*—
Adjustable chair.
Chaser and chaser holder assembly. C. A. Reimschissel and E. M. Eigenbrode. 2,239,736; Apr. 29.
Chloride, Production of chromic. I. E. Muskat. 2,240,345; Apr. 29.
Cinematography. L. H. Hultt. 2,240,398; Apr. 29.
Circuit: *See*—
Control circuit. Signal rectifier circuit.
Modulator circuit. Synchronizing circuit.
Circuit breaker. L. J. Linde and J. W. Seaman. 2,240,189; Apr. 29.
Circuit breaker, Gas blast. H. Thommen. 2,240,233; Apr. 29.
Circuit breaker, High voltage. R. R. Pittman and C. H. Walsh. 2,239,829; Apr. 29.
Circuits, Automatic volume control. D. E. Foster and G. Mountjoy. 2,239,844; Apr. 29.
Circuits, Electrical. C. Travis. 2,240,428; Apr. 29.
Circuits, Filter. B. Trevor. 2,239,905; Apr. 29.
Circuits, Tuning control. C. J. van Loon. 2,239,907; Apr. 29.
Clamp: *See*—
Drill press work clamp.
Clamp means for ball and socket type joints. P. H. Rader. 2,240,078; Apr. 29.
Clamping device. W. T. Scarritt. 2,241,642; May 6.
Clamping support. H. P. Reiber. 2,240,195; Apr. 29.
Clasp fastener, Sliding. M. Winterhalter. 2,239,803; Apr. 29.
Cleaner: *See*—
Air cleaner.
Cleaning and separating device. F. J. Paul. 2,240,442; Apr. 29.
Cleaning attachment, Wall. G. W. Moyer. 2,240,005; Apr. 29.
Clip: *See*—
Garment holding clip.
Clip for screw drivers. H. T. Kinney. 2,239,820; Apr. 29.
Closure for battery box covers. R. Reppert and R. Johnson. 2,240,314; Apr. 29.
Closure for test tubes or the like. F. Smith. 2,240,101; Apr. 29.
Closure member for high pressure heads. F. K. Fischer. 2,239,912; Apr. 29.
Clutch: *See*—
Friction clutch.
Clutch. N. F. Adamson and K. L. Bastrup. 2,240,279; Apr. 29.
Clutch. J. H. Meech. 2,239,968; Apr. 29.
Clutch. D. M. Wiegel. 2,240,359; Apr. 29.
Clutch for wire stitching machines, Automatic. R. G. Hoffert. 2,239,964; Apr. 29.
Coaling gate. C. P. Ross. 2,240,350; Apr. 29.
Coil, Cathode ray deflecting. R. Urtel. 2,239,865; Apr. 29.
Collar and necktie support. D. P. Killen. 2,240,002; Apr. 29.
Compressor unit, Hermetic rotary-reciprocating. S. A. and A. S. Limpert. 2,239,723; Apr. 29.
Computing system. H. G. Johnstone and C. W. Robbins. 2,239,892; Apr. 29.
Concrete, Producing porous. R. H. McKee. 2,240,191; Apr. 29.
Connection plug, Electrical. A. H. Gifford. 2,239,846; Apr. 29.
Connector: *See*—
Fused connector.
Saddle and girth connector.
Container: *See*—
Serving or dispensing container.
Container. D. E. Mackenzie. 2,240,045; Apr. 29.
Containers, Treating the interiors of. S. F. Kimball and G. A. Doty. 2,240,364; Apr. 29.
Control apparatus, Speed. S. T. Webster. 2,240,322; Apr. 29.
Control circuit, Noise. O. Tüxen. 2,239,906; Apr. 29.
Control device, Automatic. R. R. Chappell. 2,240,390; Apr. 29.
Control device, Sheet feeding. G. Spless. 2,240,423; Apr. 29.
Control for hydrodynamic machines. R. E. Davis. 2,239,882; Apr. 29.
Control mechanism. L. Cook. 2,240,244; Apr. 29.
Control mechanism. C. E. Mason. 2,240,243; Apr. 29.
Control mechanism, Headlight. J. Holleman. 2,240,397; Apr. 29.
Control system, Frequency responsive. W. R. Koch. 2,239,789; Apr. 29.
Control system, Temperature. W. L. McGrath. 2,240,003; Apr. 29.
Control voltage limited for cathode ray tube receivers. W. Dillenburger and K. Thöm. 2,240,289; Apr. 29.
Converter for conveyances, Course. L. R. Gray. 2,239,959; Apr. 29.
Conveyer. F. Cartlidge. 2,239,778; Apr. 29.
Conveyer system for the molds in machines for casting or molding chocolate or the like. M. Heidelmeyer and F. Becher. 2,240,214; Apr. 29.
Conveying and feeding, Tobacco. C. F. Randolph. 2,239,858; Apr. 29.
Copper alloy. C. Anselmi. 2,240,202; Apr. 29.
Cornhusking and agitator device for corn picking machines, Combined. B. Nightenhelser and J. Ballard. 2,239,899; Apr. 29.
Corrosion of metals and alloys, Preventing wedge and contact. J. J. B. Rutherford. 2,240,021; Apr. 29.
Coupler, Car. E. A. Larsson. 2,239,823; Apr. 29.
Coupling: *See*—
Car coupling. Friction coupling.
Coupling. A. L. Parker. 2,240,413; Apr. 29.
Cracking system, Catalytic. V. Voorhees. 2,239,801; Apr. 29.
Crankpin bearing. T. V. Buckwalter. 2,239,875; Apr. 29.
Crate, Egg. K. K. Newsom. 2,239,733; Apr. 29.
Culinary tool. W. C. Zabel. 2,239,766; Apr. 29.
Culinary utensil. J. P. Badaracco. 2,240,454; Apr. 29.
Current interrupting apparatus. C. L. Stroup. 2,239,940; Apr. 29.
Cushion spring structure. A. J. O'Malley. 2,240,051; Apr. 29.
Cushion, Seat. J. Lieberman. 2,240,077; Apr. 29.
Cutoff mechanism for bag machines. W. Bochow. 2,239,874; Apr. 29.
Cutter: *See*—
Inserted blade cutter. Wire cutter.
Rotary cutter.
Cutting and measuring device. W. B. Hannum, Sr., and W. B. Hannum, Jr. 2,240,296; Apr. 29.
Cutting and raking farm crops. R. F. Adkisson. 2,240,168; Apr. 29.
Cutting and shaping machine. H. E. Morton. 2,239,927; Apr. 29.
Deflector for locomotives. S. E. Christophersen and H. L. Fox. 2,239,876; Apr. 29.
Defroster, Windshield. H. Gale. 2,240,013; Apr. 29.
Dehydrator. O. G. Burton. 2,239,990; Apr. 29.
Dental articulator. H. Zimmerman. 2,239,835; Apr. 29.
Detergent composition. C. F. Reed. 2,239,974; Apr. 29.
Device for cleaning and mixing paint and the like. J. E. Schroder. 2,239,741; Apr. 29.

Device for destroying sound waves, more especially utilizable as a silencer for combustion and explosion engines. R. P. Pomiès. 2,240,052; Apr. 29.
Device for locking the thread carrier bars of flat knitting machines. F. Cecka. 2,239,810; Apr. 29.
Device for measuring consistency of a product. M. W. Martin. 2,239,726; Apr. 29.
Device for producing sliding clasp fasteners. J. and J. Püschner. 2,240,018; Apr. 29.
Device of the crane type for loading and unloading magnetic materials. F. H. and R. B. Weeks. 2,239,750; Apr. 29.
Dew point recorder and indicator. C. W. Thornthwaite. 2,240,082; Apr. 29.
Discharge tube, Adjustable constant voltage space. P. L. Spencer. 2,239,745; Apr. 29.
Dispenser for powdered soap and the like. A. L. Bobrick and G. C. Lee. 2,240,030; Apr. 29.
Dispensing device. A. H. Johnson. 2,239,966; Apr. 29.
Dispensing device, Liquid. J. M. Majewski, Jr. 2,39,921; Apr. 29.
Display device. T. A. Keen. 2,239,894; Apr. 29.
Display mount. C. N. Cross. 2,240,209; Apr. 29.
Display stand. G. B. Beaman. 2,240,282; Apr. 29.
Distortion reduction in wave transmission. H. K. Krist. 2,240,140; Apr. 29.
Door: *See*—
Overhead swinging door.
Door latch. D. C. Johnson. 2,240,400; Apr. 29.
Door locking and sealing device. J. Nemec. 2,240,162; Apr. 29.
Door structure, Railway car. F. J. Herter. 2,240,115; Apr. 29.
Dowel. M. T. Ruddy. 2,240,268; Apr. 29.
Draw frame. L. Schlipp. 2,239,863; Apr. 29.
Drill bit cone catcher, Rock. L. H. Giles. 2,240,095; Apr. 29.
Drill press work clamp. W. P. Cole. 2,240,242; Apr. 29.
Drilling apparatus. J. F. Chappell. 2,239,996; Apr. 29.
Drive for motor vehicles. J. Vollmer. 2,240,084; Apr. 29.
Drive mechanism. E. L. Barrett. 2,240,087; Apr. 29.
Drive, Motor car. C. E. Swenson. 2,240,317; Apr. 29.
Dropper combined with cap for phials and the like. R. J. M. Fialip. 2,240,329; Apr. 29.
Dual wheel. C. E. Frederickson. 2,239,674‡ Apr. 29.
Duplicating machine. M. R. Avery. 2,240,026; Apr. 29.
Dyes, Prevention of diffusion of sensitizing. B. H. Carroll. 2,239,699; Apr. 29.
Dyestuffs, Azo. H. Mirocourt and M. G. Jirou. 2,240,341; Apr. 29.
Ear protector. B. L. Corn. 2,240,391; Apr. 29.
Eccentric gear pump. M. Schmitz. 2,240,056; Apr. 29.
Economizers, Eliminating corrosion in. W. E. Caldwell. 2,240,206; Apr. 29.
Electric discharge lamp, High-pressure metal-vapor. K. G. Schnetzler. 2,240,353; Apr. 29.
Electric devices, Enclosure for. R. H. Kingdon and G. K. Moore. 2,240,187; Apr. 29.
Electric discharge device. W. C. Hahn. 2,240,183; Apr. 29.
Electric gauge. C. M. Hathaway. 2,240,184; Apr. 29.
Electric lamp. C. W. Nixon. 2,239,928; Apr. 29.
Electric plug. G. Eaton. 2,240,394; Apr. 29.
Electric steaming iron. H. V. Ekstedt. 2,240,211; Apr. 29.
Electric switch. T. Birkenmaier. 2,240,253; Apr. 29.
Electrical apparatus. D. F. Alexander, C. F. Henney, and C. L. Paulus. 2,239,804; Apr. 29.
Electrical arc barrier. L. E. Power. 2,240,007; Apr. 29.
Electrical conductor terminal. L. de Urzaiz. 2,239,812; Apr. 29.
Electrical system. B. E. Schnitzer. 2,240,420; Apr. 29.
Electrically conductive device and the manufacture thereof. J. A. Becker and W. H. Brattain. 2,239,770; Apr. 29.
Electrically conductive device and its manufacture. J. A. Becker. 2,239,771; Apr. 29.
Electrode, Electric discharge. W. H. Bennett. 2,239,693; Apr. 29.
Electrodes and circuit arrangements therefor, Electric discharge. W. H. Bennett. 2,239,694; Apr. 29.
Electrolytic device and method of making same. J. B. Brennan and L. Marsh. 2,239,988; Apr. 29.
Electromechanical-conversion device. F. V. Hunt. 2,239,717; Apr. 29.
Electromechanical filter. E. Lakatos. 2,240,306; Apr. 29.
Electron beam tube. A. A. Varela. 2,239,749; Apr. 29.
Electron control. G. Jobst. 2,239,677; Apr. 29.
Electron device. F. H. Nicoll. 2,240,120; Apr. 29.
Electron discharge device. H. A. Iams. 2,240,186; Apr. 29.
Electrooptical reproducer. J. C. Batchelor. 2,239,769; Apr. 29.
Elevator control and signal system. A. Kramer. 2,240,044; Apr. 29.
Elevator structure. C. F. Crumb. 2,239,994; Apr. 29.
Elongated vibratory conveyer. H. E. Wurzbach and C. H. Konold. 2,239,765; Apr. 29.
Engine: *See*—
Expansion engine.
Internal combustion engine.
Engines, Solvent servicer for. F. W. Bartz. 2,239,949; Apr. 29.
Enlarger, Photographic. R. Simmon. 2,239,760; Apr. 29.
Eraser. G. F. Miller. 2,239,793; Apr. 29.
Ester, Dextran ether. G. L. Stahly and W. W. Carlson. 2,239,980; Apr. 29.
Esters of high-molecular polycarboxylic acids. E. G. Peterson. 2,240,006; Apr. 29.
Ethers, Stabilization of. J. Hooton. 2,240,040; Apr. 29.
Esters, Vinyl. W. J. Toussaint. 2,239,763; Apr. 29.
Ethers of cashew nut shell liquid and process of making them. S. Caplan. 2,240,034; Apr. 29.
Ethynyl cyclopentanopolyhydrophenanthrene compounds, Producing. H. E. Stavely. 2,239,864; Apr. 29.
Exercising apparatus. J. A. Masters. 2,240,407; Apr. 29.
Exercising apparatus, Adjustable abdominal. M. R. Schall. 2,240,228; Apr. 29.
Expansion engine. W. L. De Baufre and T. A. Filipi. 2,239,883; Apr. 29.
Expansion joint. R. R. Robertson. 2,239,933; Apr. 29.
Expansion valve. A. B. Newton. 2,240,374; Apr. 29.
Fastener: *See*—
Clasp fastener. Spring fastener.
Lingerie fastener.
Fastener. J. H. Sternbergh. 2,240,425; Apr. 29.
Fibers, Separation of plant. C. R. Faulkender. 2,240,113; Apr. 29.
Filamentous materials, Treating. J. B. Calva. 2,240,388; Apr. 29.
File cabinet and the like. K. C. Bolesky and F. A. Saaf. 2,240,067; Apr. 29.
File, Electric fingernail. V. Ariza. 2,239,870; Apr. 29.
Film holder, Dental X-ray. R. L. Krenler. 2,240,336; Apr. 29.
Film printing apparatus. A. W. Tondreau. 2,240,083; Apr. 29.
Filter: *See*—
Automobile heater filter. Piezoelectric filter.
Electrochemical filter. Wave filter.
Filter. L. B. Berg. 2,239,950; Apr. 29.
Filter. L. W. Williams. 2,239,868; Apr. 29.
Fire extinguisher. W. L. Roessner. 2,239,975; Apr. 29.
Fire extinguisher carrier. W. L. Roessner. 2,239,976; Apr. 29.
Fire extinguisher liquid pickup apparatus. H. Ensminger. 2,239,816; Apr. 29.
Fishhook setter, Float actuated. F. Dorn. 2,239,911; Apr. 29.
Fishing bobber. M. Dubell. 2,239,813; Apr. 29.
Fishing reel. A. and O. Kovalovsky. 2,240,075; Apr. 29.
Float, Water motor supporting. N. J. Schlachter. 2,239,740; Apr. 29.
Fluid distributing system. D. R. Hillis. 2,240,158; Apr. 29.
Fluid meter. W. C. Wagner. 2,240,357; Apr. 29.
Fluid pressure pump. G. H. Tessmer. 2,240,356; Apr. 29.
Fluid pump. H. List. 2,240,307; Apr. 29.
Fluids, Method and apparatus for controlling flow of. N. Borresen. 2,240,436; Apr. 29.
Folding seat. R. Blake. 2,239,669; Apr. 29.
Folding table. H. D. Johnson. 2,240,301; Apr. 29.
Folding table. A. W. and P. Stone. 2,240,024; Apr. 29.
Fracture frame. S. C. Knox. 2,239,821; Apr. 29.
Frame: *See*—
Draw frame. Fraction frame.
Framework for vehicles. L. Salves. 2,240,022; Apr. 29.
Friction clutch. H. Nutt and H. V. Reed. 2,240,346; Apr. 29.
Friction coupling. R. Binder. 2,240,127; Apr. 29.
Friction-disk and method of making same. G. Walters. 2,240,358; Apr. 29.
Fuel and fuel package. A. R. Kell. 2,240,335; Apr. 29.
Fuel composition, Motor. F. R. Moser. 2,240,145; Apr. 29.
Fuel cut-off means. A. G. Blanchard. 2,239,774; Apr. 29.
Fuel economizer for internal combustion engines. H. H. McDowell. 2,240,459; Apr. 29.
Fuel form manufacturing apparatus. K. L. Storrs. 2,239,833; Apr. 29.
Furnace: *See*—
Glass melting furnace.
Furnace for roasting corn flakes or the like loose discrete materials. E. O. Engels. 2,240,291; Apr. 29.
Furnace structure. L. S. Longenecker. 2,240,190; Apr. 29.
Furnace wall. M. H. Kuhner and G. A. Rehm. 2,239,896; Apr. 29.
Fuse construction. W. O. Schultz. 2,239,903; Apr. 29.
Fuse construction, High tension. L. C. Hart. 2,240,260; Apr. 29.
Fuse, Electric. H. E. Brannon. 2,240,239; Apr. 29.
Fused connector. W. J. P. Stonehouse. 2,240,080; Apr. 29.
Garment. A. D. Goldstein. 2,240,448; Apr. 29.
Garment hanger, Multiple. E. R. Knollin. 2,239,680; Apr. 29.
Garment holding clip. L. Oliver. 2,240,460; Apr. 29.

Garment or like hook. B. C. Place. 2,240,225; Apr. 29.
Gas valve, Electrically controlled. A. N. Roth. 2,240,079; Apr. 29.
Gasket punch, Automatic. A. K. Kaallau. 2,240,139; Apr. 29.
Gate: *See*—
Coaling gate. Water gate.
Gauge: *See*—
Electric gauge. Pressure gauge.
Internal dimension gauge.
Gear: *See*—
Power reverse gear. Variable speed gear.
Valve gear.
Gearing, Differential. M. B. Benson. 2,239,839; Apr. 29.
Gelatin, Purifying. E. L. Holmes. 2,240,116; Apr. 29.
Glass. R. Schmidt and W. Hänlein. 2,240,352; Apr. 29.
Glass composition. W. Elenbaas and G. B. Jonas. 2,240,327; Apr. 29.
Glass forming machine. S. D. Bert. 2,240,324; Apr. 29.
Glass melting furnace. P. G. Willetts. 2,240,361; Apr. 29.
Glass, Method of and apparatus for making structural. F. W. Preston. 2,240,349; Apr. 29.
Glow lamp. P. J. Kayatt. 2,240,334; Apr. 29.
Groove testing process and apparatus. P. Cüppers. 2,239,811; Apr. 29.
Guard, Road. C. C. Ahles. 2,239,667; Apr. 29.
Gun, Liquid. A. Marra. 2,240,046; Apr. 29.
Gun, Spray. C. S. Jordan. 2,240,401; Apr. 29.
Hair curler. E. W. Carper. 2,240,241; Apr. 29.
Hair roller. S. F. Kayn. 2,240,303; Apr. 29.
Haircutting apparatus. W. A. Sneed. 2,239,939; Apr. 29.
Hammer. J. N. Jarrett. 2,239,719; Apr. 29.
Hammer for impact crushing or grinding apparatus. A. King. 2,240,404; Apr. 29.
Handle. W. J. During. 2,240,133; Apr. 29.
Handle or knob mounting and the like. G. A. Tinnerman. 2,239,708; Apr. 29.
Hanger: *See*—
Garment hanger. Trolley wire hanger.
Shade hanger.
Hanger. B. J. Bostick. 2,239,808; Apr. 29.
Harrow. A. A. Scarlett. 2,240,147; Apr. 29.
Harrow. S. M. Young. 2,239,948; Apr. 29.
Harvester and windrower, Bean. J. W. Bingham. 2,240,066; Apr. 29.
Harvesting machine, Spinach. W. E. Urschel. 2,240,273; Apr. 29.
Headlight. P. J. Savage. 2,240,351; Apr. 29.
Heat exchanger. W. H. Armacost. 2,240,203; Apr. 29.
Heat exchanger. W. G. Noack. 2,239,685; Apr. 29.
Heater: *See*—
Orchard heater.
Heater. E. G. Fernholtz. 2,240,367; Apr. 29.
Heater. T. F. Spackman. 2,240,316; Apr. 29.
Heater and draft control therefor. J. L. Breese. 2,240,283; Apr. 29.
Heater structure. L. W. Welch. 2,240,474; Apr. 29.
Heater structures, Making. L. W. Welch. 2,240,473; Apr. 29.
Heating apparatus for motor vehicles. L. W. Welch. 2,240,062; Apr. 29.
Heating device, Fuel. L. B. Mills. 2,240,311; Apr. 29.
Heating system. J. R. and J. D. Monroe. 2,240,222; Apr. 29.
Helmet, Protective. T. B. Upchurch, Jr. 2,239,946; Apr. 29.
Hoist mechanism, Hydraulic. K. Feilcke and V. L. Farnsworth. 2,239,843; Apr. 29.
Holder: *See*—
Film holder. Package holder.
Lamp holder.
Holder for paper rolls. J. Baldwin and W. Hillenbrand. 2,240,109; Apr. 29.
Holding and centering device for spinning, twisting, and like machines. L. Marzoli. 2,240,047; Apr. 29.
Homogenizer. H. Fromm. 2,240,213; Apr. 29.
Honeycomb, Artificial. L. V. France. 2,239,708; Apr. 29.
Hook: *See*—
Garment or like hook.
Hook for fishermen, Utility. M. Whan. 2,240,235; Apr. 29.
Horn. W. C. Crimmins. 2,240,255; Apr. 29.
Hose and hose handling apparatus for mounting and dispensing pumps, Dispensing. A. L. Grisé. 2,240,458; Apr. 29.
Hover, Fiber. T. D. Abercrombie. 2,239,836; Apr. 29.
Hydraulic systems, Composition for. I. M. Colbeth. 2,240,437; Apr. 29.
Hydrocarbon fluids, Treating. H. V. Atwell. 2,240,008; Apr. 29.
Hydrocarbon fluids, Treating. H. V. Atwell. 2,240,434; Apr. 29.
Hydrocarbons, Manufacture of gasoline-like. H. V. Atwell. 2,240,433; Apr. 29.
Ignition control switch, Emergency. D. D. Wells. 2,240,085; Apr. 29.
Ignition means for combustion tube burners, Electric. R. M. Sherman. 2,240,379; Apr. 29.
Indicator: *See*—
Novelty score indicator. Valve indicator.
Remote indicator.
Inserted blade cutter. W. S. Morse. 2,239,794; Apr. 29.
Insecticide. L. E. Smith. 2,239,832; Apr. 29.
Instrument for recording or measuring surface irregularities. E. J. Abbott. 2,240,278; Apr. 29.
Insulation structure, Laminated. E. A. Burns. 2,240,326; Apr. 29.
Insulator. W. H. Burleson. 2,239,809; Apr. 29.
Internal combustion engine. L. Birkigt. 2,240,088; Apr. 29.
Internal combustion engine. M. Martinka. 2,239,922; Apr. 29.
Internal dimension gauge. S. B. Terry and R. S. Fox. 2,239,981; Apr. 29.
Iron: *See*—
Electric steaming iron.
Ironer, Press. T. R. Bush. 2,239,991; Apr. 29.
Jack mechanism. F. M. Willard. 2,240,430; Apr. 29.
Jewelry. H. E. Krieke. 2,240,247; Apr. 29.
Joint: *See*—
Expansion joint. Well pipe joint.
Tool joint.
Joint. E. S. Witchger. 2,240,432; Apr. 29.
Joint for the connection of shafts. H. Hanft and A. Geiszler. 2,239,675; Apr. 29.
Journal bearing. I. E. Cox. 2,240,111; Apr. 29.
Knife, Paring. J. A. Murdock. 2,240,410; Apr. 29.
Knife, Surgical. K. A. Crank and A. C. Crank. 2,240,387; Apr. 29.
Knitting machine. F. G. Weisbecker. 2,240,467–8; Apr. 29.
Knitting machine, Circular. S. R. Shelmire. 2,240,421; Apr. 29.
Labeling machine. G. W. von Hofe. 2,240,106; Apr. 29.
Lacquer, Bronzing. H. L. Wampner. 2,240,151; Apr. 29.
Laminated article, Translucent. P. E. Hodgdon and E. C. La Belle. 2,240,072; Apr. 29.
Lamp: *See*—
Electric discharge lamp. Glow lamp.
Electric lamp.
Lamp and radio receiving set, Combined. D. J. Crowley. 2,240,328; Apr. 29.
Lamp holder. W. R. Young and F. D. Bryant. 2,240,200; Apr. 29.
Lamp string. W. J. Geiger and R. J. Ayres. 2,240,331; Apr. 29.
Lamps, Luminaire for multiple fluorescent. L. C. Doane. 2,240,179; Apr. 29.
Lasting machine. K. Engel and C. S. Kinney. 2,239,815; Apr. 29.
Latch: *See*—
Door latch.
Lens, Ophthalmo. L. L. Gagnon and H. L. Moulton. 2,240,157; Apr. 29.
Level, Universal. J. P. Lannen. 2,240,337; Apr. 29.
Lift for furrow openers, Parallel. G. M. Kriegbaum. 2,239,918; Apr. 29.
Lifting mechanism. J. J. Mizer. 2,239,729; Apr. 29.
Light-sensitive layer and making the same. J. H. de Boer, R. J. H. Klink, and J. J. A. Jonkers. 2,239,704; Apr. 29.
Line guide. J. Lemperle. 2,239,791; Apr. 29.
Lingerie fastener. J. A. St. Clair. 2,240,023; Apr. 29.
Liquid fuel burner. R. M. Sherman. 2,240,380; Apr. 29.
Liquids, Method of and apparatus for freezing. P. Schlumbohm. 2,240,463; Apr. 29.
Liquor, Method and apparatus for evaporating sulphate residual. B. S. Nyquist. 2,240,376; Apr. 29.
Lock: *See*—
Caster lock. Slide fastener lock.
Lock slider, Semiautomatic. L. H. Morin and D. Marinsky. 2,240,048; Apr. 29.
Locket. L. Valcourt. 2,239,799; Apr. 29.
Locking means for extension cords and the like. J. Nuebling. 2,240,050; Apr. 29.
Locomotive rod bearing. R. E. Horger. 2,239,891; Apr. 29.
Loop, Garment supporting. H. S. Hotaling. 2,240,097; Apr. 29.
Lubricating apparatus. J. R. Mahan. 2,239,920; Apr. 29.
Lubrication of bearings on crankpins, Automatic. E. Burmeister. 2,240,172; Apr. 29.
Lubrication. A. W. Lewis. 2,239,752; Apr. 29.
Luminescent screen. W. Ferrant. 2,239,887; Apr. 29.
Lure, Fish. A. C. Westby. 2,239,802; Apr. 29.
Machine for applying pressure to shoe bottoms. C. W. Baker. 2,239,805; Apr. 29.
Machine for dispensing liquids. J. C. Barreda. 2,239,984; Apr. 29.
Machine for sharpening rotary cylindrical cutters. M. C. McCormack. 2,239,683; Apr. 29.
Machine for testing hardness of distortable bodies. R. Campbell and F. H. Nass. 2,240,154; Apr. 29.
Machine for use in applying pressure to shoe bottoms. F. J. Better. 2,239,806; Apr. 29.
Machine tool. W. T. Gollwitzer. 2,239,847; Apr. 29.
Mailbox, Illuminated signaling. L. A. Rocheleau. 2,240,462; Apr. 29.
Manufacture of chlorine compounds. I. E. Muskat and G. H. Cady. 2,240,342; Apr. 29.
Masher and fluffer, Potato. S. Anderson. 2,240,237; Apr. 29.
Mat. O. Brockman. 2,240,240; Apr. 29.
Mat construction, Link. H. W. Bell. 2,239,871; Apr. 29.

Material treatment. I. E. Muskat. 2,240,343; Apr. 29.
Measuring and indicating instrument. W. R. Koch. 2,240,304; Apr. 29.
Measuring arrangement, Luminous mark. W. Bader. 2,240,028; Apr. 29.
Metal articles, Producing duplex. G. F. Sager and F. Keller. 2,240,055; Apr. 29.
Metal, Making composite. H. J. Ness. 2,240,313; Apr. 29.
Metal stock, Continuously tin plating ferrous. J. S. Nachtman. 2,240,295; Apr. 29.
Metal tuning. A. Dreyer. 2,240,210; Apr. 29.
Metals, Carburizing ferrous. H. J. Ness. 2,240,146; Apr. 29.
Metals, Making cast. A. B. Kinzel. 2,240,405; Apr. 29.
Meter: *See*—
Fluid meter.
Meter for liquids. B. G. M. Muselier. 2,240,223; Apr. 29.
Method and apparatus for cooking substances. A. A. Locke. 2,240,338; Apr. 29.
Metronome. W. R. Koch. 2,240,305; Apr. 29.
Microscope, Illuminated. J. Joroslow. 2,240,402; Apr. 29.
Milk package. R. Becker. 2,239,691; Apr. 29.
Mill: *See*—
Pulverizing mill. Rolling mill.
Mitt for washing, dusting, polishing and the like. E. C. Lindfelt. 2,239,919; Apr. 29.
Mixing device. W. C. Uhri, Jr., and W. P. Gruner. 2,240,104; Apr. 29.
Mixing device, Milk. A. F. Textor, R. F. Abbott, and H. E. Roberts. 2,240,103; Apr. 29.
Modulator circuit, Balanced. R. B. J. Brunn. 2,239,776; Apr. 29.
Mold and ingot, Ingot. E. Gathmann. 2,240,396; Apr. 29.
Molding. O. J. Crowe and W. J. Hall. 2,240,288; Apr. 29.
Mop. J. P. Closson. 2,240,155; Apr. 29.
Mop. W. D. Rose. 2,240,419; Apr. 29.
Mop. A. D. Williams. 2,240,431; Apr. 29.
Mop cloth strand. J. F. Owens. 2,239,686; Apr. 29.
Mop, Crotch bearing. G. F. Schulenburg. 2,239,759; Apr. 29.
Motor: *See*—
Vibratory motor. Wind motor.
Motor regulator. P. Russell. 2,239,738; Apr. 29.
Mount. C. N. Cross. 2,240,208; Apr. 29.
Mount and pin stem joint or catch, Combination plastic. A. Hurewitz. 2,240,441; Apr. 29.
Mounting: *See*—
Brake-band mounting. Shaft mounting.
Ophthalmic mounting.
Mounting assembly, Impeller. A. L. Baker. 2,240,238; Apr. 29.
Mounting for rotary tool spindles and the like. H. L. Blood. 2,239,986; Apr. 29.
Mower, Tractor. J. Frederiksen. 2,240,292; Apr. 29.
Multiplying system, Voltage. M. C. Jones. 2,239,786; Apr. 29.
Musical instrument, Electrical. H. Benioff. 2,239,985; Apr. 29.
Needle, chiefly adapted for the restoration of meshes, Knitting. G. C. Airic. 2,240,152; Apr. 29.
Nitrogegnous compounds. A. K. Epstein and M. Katzman. 2,239,706; Apr. 29.
Nonspill vent plug. E. Graf. 2,240,457; Apr. 29.
Novelty score indicator. H. E. Williams and L. A. Durant. 2,240,276; Apr. 29.
Nozzle. H. L. Dowell. 2,240,392; Apr. 29.
Nozzle, Spray. J. M. Hothersall. 2,239,716; Apr. 29.
Oil and lubrication therewith, Lubricating. E. W. Cook. 2,239,841; Apr. 29.
Oil burner. M. L. Mueller. 2,240,161; Apr. 29.
Oil burner. R. S. Thoresen. 2,240,059; Apr. 29.
Oil composition and improving agent, Mineral. D. E. Badertscher. 2,240,009; Apr. 29.
Oil composition, Lubricating. M. Fairlie. 2,239,953; Apr. 29.
Oil, Extracting. H. F. Taylor and R. H. Bedford. 2,240,232; Apr. 29.
Oil, Hydrocarbon drying. C. A. Thomas. 2,240,081; Apr. 29.
Oil, Lubricating. R. W. Richardson. 2,240,054. Apr. 29.
Oil, Refining. B. H. Thurman. 2,239,747; Apr. 29.
Oil, Treating tall. E. E. Dreger. 2,240,365; Apr. 29.
Oils, Complete conversion of petroleum. W. Kaplan. 2,240,160; Apr. 29.
Oils, Continuous process of treating. O. M. Behr. 2,239,692; Apr. 29.
Oils, Purifying hydrocarbon. E. H. Records and J. E. Lovett. 2,239,859; Apr. 29.
Oils, Refining. B. Clayton, W. B. Kerrick, and H. M. Stadt. 2,239,701; Apr. 29.
Oils, Treatment of hydrocarbon. G. Egloff. 2,240,134; Apr. 29.
Oils, Treatment of hydrocarbon. L. C. Huff. 2,239,965; Apr. 29.
Oiling device for driving pinion bearings. P. E. Matthews. 2,240,118; Apr. 29.
Ophthalmic mounting. E. M. Splaine. 2,239,746; Apr. 29.
Orchard heater. W. E. Nance and J. B. Stone. 2,240,224; Apr. 29.
Ore grinder. R. B. Dergance. 2,239,952; Apr. 29.
Orthopedic belt for the treatment of gastric ptoses. R. H. Mahé. 2,240,308; Apr. 29.
Oscillator, High frequency. O. Schärli. 2,240,229; Apr. 29.
Outlet, Electric. E. J. Morin. 2,240,098; Apr. 29.
Outlet system, Continuous. W. H. Frank. 2,240,180; Apr. 29.
Overhead swinging door. J. A. and W. W. McFarlane. 2,239,924; Apr. 29.
Package holder. J. P. McEnery. 2,239,728; Apr. 29.
Pad, method and product, Soaped. C. Field. 2,240,114; Apr. 29.
Pads, Forming and impregnating fibrous. C. Field and G. C. Toole. 2,240,446; Apr. 29.
Pan, Composition shower. G. A. Morthland. 2,239,969; Apr. 29.
Paper-sizing composition. E. R. Edson and C. Q. Ives. 2,239,814; Apr. 29.
Parachute, Rotating. R. H. Burgess. 2,239,670; Apr. 29.
Pattern effects in cellulosic fabrics and the production thereof, Flocked. G. Heberlein. 2,239,914; Apr. 29.
Peat treating device. N. A. Constantine. 2,239,879; Apr. 29.
Pelzoelectric filter. D. R. Goddard. 2,240,293; Apr. 29.
Phenol, Mercurated halogenated phenyl. H. Worne and J. S. Pierce. 2,240,025; Apr. 29.
Phenols, Substituted. R. L. Jenkins. 2,240,073; Apr. 29.
Phonograph records, Manufacture of. J. H. Hunter. 2,240,300; Apr. 29.
Photoelectric apparatus and the like, Constant supply system for. M. Artzt. 2,239,768; Apr. 29.
Photographic element. R. H. Carroll. 2,239,698; Apr. 29.
Photographic emulsion layer containing a derivative of a hydroxyalkyl ether of a polyhydric alcohol. D. R. Swan and C. G. Lindquist. 2,240,469; Apr. 29.
Photographic gelatin layer containing a diepoxyalkane. D. R. Swan. 2,240,472; Apr. 29.
Photographic gelatin layer containing an ester of sulphocyclic acid. N. L. Simmons and D. R. Swan. 2,240,476; Apr. 29.
Photographic gelatin layer containing a monoester of sorbitol. D. R. Swan. 2,240,470; Apr. 29.
Photographic gelatin layer containing a N-acylated amino acid. D. R. Swan. 2,240,471; Apr. 29.
Photographic gelatin layer containing a polyglycerol monoester. N. L. Simmons. 2,240,475; Apr. 29.
Piezoelectric crystal apparatus. W. P. Mason. 2,240,309; Apr. 29.
Piezoelectric crystal apparatus. J. M. Wolfskill. 2,240,449–53; Apr. 29.
Pipe coating. K. H. Fulton. 2,240,384; Apr. 29.
Pipe fittings, Producing. J. H. Taylor. 2,240,319; Apr. 29.
Piston ring, Flexible. F. C. Crawford. 2,239,703; Apr. 29.
Pituitary product and preparing the same. E. A. Ferguson, Jr. 2,240,212; Apr. 29.
Planer pressure shoe adjustment. M. E. and E. W. Dick. 2,239,705; Apr. 29.
Planing machine. F. X. Febrenbach, E. F. Copes, and A. Di Benedetto. 2,239,707; Apr. 29.
Planing tool. E. Reaney. 2,240,444; Apr. 29.
Plaster and product thereof, Producing porous. R. H. McKee and F. A. Hessel. 2,239,925; Apr. 29.
Plastic products, Making. C. K. Roos. 2,239,860; Apr. 29.
Plastic products, Making. C. K. Roos, D. F. Jurgensen, Jr., and T. P. Camp. 2,239,861; Apr. 29.
Plate. C. L. Raiser. 2,240,070; Apr. 29.
Plier, Stapling. M. Vogel. 2,240,105; Apr. 29.
Plug: *See*—
Connection plug. Nonspill vent plug.
Electric plug.
Plug and receptacle, Electric current. E. Kakes. 2,239,787; Apr. 29.
Plug for blasting caps, Glass sealing. W. W. Durant. 2,240,438; Apr. 29.
Plug for storage battery cells, Filling and venting. H. C. Riggs and W. C. Leingang. 2,240,461; Apr. 29.
Plug valve, Balanced. A. L. Parker. 2,239,795; Apr. 29.
Plural-pole single-throw switch. J. Solenthaler. 2,240,196; Apr. 29.
Polymerization of cashew nut shell liquid and products thereof. M. T. Harvey and F. M. Damltz. 2,240,038; Apr. 29.
Power feed regulators, Automatic. C. C. Calkins. 2,239,777; Apr. 29.
Power generating system. H. Honnef and H. Geffcken. 2,240,262; Apr. 29.
Power plant. H. W. Casey. 2,240,011; Apr. 29.
Power reverse gear. A. E. Jackman, Jr. 2,239,893; Apr. 29.
Power supply system. F. Shoup and A. D. Burt. 2,240,123; Apr. 29.
Power unit, Hydraulic. C. B. Vickers. 2,239,866; Apr. 29.

Pregnendiones from pregnenolones, Preparation of. A. Serini, L. Strassberger, and A. Butenandt. 2,239,742; Apr. 29.
Press: *See*—
Textile printing press.
Pressure gauge. F. Buechmann. 2,239,697; Apr. 29.
Printing machine. F. W. Egan and L. B. Case. 2,240,112; Apr. 29.
Printing telegraph apparatus. H. L. Krum. 2,239,721; Apr. 29.
Printing telegraph machine. G. A. Graham and H. W. Parmer. 2,239,711; Apr. 29.
Printing telegraph machines, Ribbon feed mechanism for. G. A. Graham, deceased, and H. W. Parmer. 2,239,712; Apr. 29.
Projector, Combined phonograph and slide film. S. C. Volney. 2,240,446; Apr. 29.
Propeller, Variable pitch. R. J. Ruths and H. L. Dodson. 2,239,739; Apr. 29.
Protective system. H. V. Crawford. 2,240,207; Apr. 29.
Protector: *See*—
Bait protector. Ear protector.
Protector. B. L. Jones. 2,239,679; Apr. 29.
Pulverizing mill. W. I. Sallee. 2,240,269; Apr. 29.
Pump: *See*—
Centrifugal pump. Fluid pump.
Eccentric gear pump. Reciprocating pump.
Fluid pressure pump.
Pump. H. A. Linch and C. H. Scott. 2,240,371; Apr. 29.
Pump. G. A. Patterson. 2,240,121; Apr. 29.
Pump priming apparatus. C. F. Smith. 2,240,057; Apr. 29.
Pumping apparatus. A. Hollander and W. F. Mayer. 2,239,715; Apr. 29.
Pumping apparatus. W. F. Mayer. 2,239,727; Apr. 29.
Purifier for gases or vapors. W. Neumann. 2,239,731; Apr. 29.
Racemic mixtures, Resolution of. D. L. Tabern. 2,240,318; Apr. 29.
Radio alarm system. W. L. Foss. 2,239,672; Apr. 29.
Radio communication. E. Bruce. 2,239,775; Apr. 29.
Radio receiver. H. H. Beizer. 2,239,772; Apr. 29.
Reagents in pulverulent condition, Feeding solid. B. G. Call. 2,240,205; Apr. 29.
Rear projection screen. J. B. Hudson. 2,239,784; Apr. 29.
Receiver, superheterodyne. J. M. Riddle, Jr. 2,239,756; Apr. 29.
Receiver, Television. G. L. Grundmann. 2,240,295; Apr. 29.
Reciprocating pump, Steel. C. H. Lource. 2,239,853; Apr. 29.
Reel: *See*—
Fishing reel.
Reel changing device in rotary printing machines, Paper. F. Pondorf. 2,239,971; Apr. 29.
Reel for dyeing machines and the like. H. W. Butterworth, Jr. 2,240,386; Apr. 29.
Reels, Antibacklash attachment for fishing. F. A. Cerne. 2,240,091; Apr. 29.
Refrigerating apparatus. J. C. Buchanan. 2,240,110; Apr. 29.
Refrigerating apparatus. J. C. Buchanan. 2,240,284; Apr. 29.
Refrigerating apparatus. N. J. Smith. 2,240,354; Apr. 29.
Refrigerating system, Power plant. H. A. Feldbush, E. E. Wagner, and C. F. Hendrie. 2,239,886; Apr. 29.
Refrigeration. C. C. Coons. 2,240,132; Apr. 29.
Refrigeration. C. C. Coons and R. S. Nelson. 2,240,176–7; Apr. 29.
Refrigeration, Absorbtion. G. A. Brace. 2,240,178; Apr. 29.
Refrigeration control system. A. B. Newton. 2,240,373; Apr. 29.
Refrigeration control system. A. B. Newton. 2,240,375; Apr. 29.
Refrigerator. D. F. Newman. 2,240,193; Apr. 29.
Refrigerator. T. I. Potter. 2,240,267; Apr. 29.
Regroover for tires. R. I. Van Alstine. 2,240,382; Apr. 29.
Regulator: *See*—
Motor regulator. Power feel regulator.
Release mechanism. C. Meyer. 2,240,192; Apr. 29.
Remote control mechanism for hay rakes. W. J. Truman. 2,240,272; Apr. 29.
Remote indicator. P. Kollsman and V. E. Carbonara. 2,239,790; Apr. 29.
Resins, Producing urea-formaldehyde. W. Scheib. 2,240,271; Apr. 29.
Resistor, High-frequency measuring. R. Golicke. 2,239,781; Apr. 29.
Rigging, Draft. D. S. Barrows and E. H. Blattner. 2,240,363; Apr. 29.
Rims of cylindrical shells, Method and apparatus for forming the. D. Bohm. 2,239,696; Apr. 29.
Ring: *See*—
Piston ring.
Road-building machine. H. E. Wiese. 2,240,108; Apr. 29.
Rod driving and control mechanism, Carrier. A. F. Verbeck. 2,240,061; Apr. 29.
Rod for Diesel injectors, Variable push. L. J. Deeley. 2,239,884; Apr. 29.
Rod and coating therefor, Weld. A. T. Cape and C. V. Foerst, Jr. 2,240,033; Apr. 29.
Roller for printing and like machinery, Feed. W. Gibson. 2,240,257; Apr. 29.
Roller, Trench. A. W. Aitken. 2,240,236; Apr. 29.
Rolling mill. K. Backhaus. 2,240,362; Apr. 29.
Roofing and the like. R. A. Wilkins. 2,240,447; Apr. 29.
Rotary cutter. G. F. Whitman. 2,240,360; Apr 29
Rotary machine. O. Sorge. 2,240,465; Apr. 29.
Running board. C. S. Johnston. 2,240,217; Apr. 29.
Saddle and girth connector. L. M. Vordenberge 2,239,764; Apr. 29.
Safety apparatus. O. E. Zoder. 2,240,277; Apr. 29.
Sanding apparatus, Track. A. Nation. 2,240,266; Apr 29.
Sausage casing and the like, Printed. J. H. Payton. 2,240,348; Apr. 29.
Saw, Power driven hack. P. Marshall. 2,239,681; Apr. 29.
Scale, Color. K. Richardson. 2,240,053; Apr. 29.
Scraper, Carrying. J. J. Low. 2,239,967; Apr. 29.
Screen: *See*—
Luminescent screen. Vibrating screen.
Rear projection screen.
Scuff, Plate. C. C. Fairbank. 2,240,181; Apr. 29.
Seal with integral housing, Molded fluid. W. A. Heinze and W. F. Bernstein. 2,240,332; Apr. 29.
Seal with rotable inner shell, Oil. W. F. Bernstein. 2,240,252; Apr. 29.
Sealing means for use in grouting verticals seams in sea walls or the like. V. E. Britton. 2,239,989; Apr. 29.
Sealing structure, Composite. S. M. Lillis. 2,240,263; Apr. 29.
Searchlight. W. H. Haupt, H. S. Ware, and C. Tietig. 2,240,297; Apr. 29.
Seat: *See*—
Adjustable seat. Water closet seat.
Folding seat.
Seat support, Adjustable vehicle. I. Hunter and A. B. Short. 2,239,917; Apr. 29.
Seats, Support for pivoted. H. P. Nordmark. 2,239,929; Apr. 29.
Securing device. A. C. Catherall. 2,240,035; Apr. 29.
Separator and blower for insulating materials. C. C. Hall. 2,239,913; Apr. 29.
Separator: *See*—
Centrifugal separator. Suction separator.
Separator device. J. Goldstein. 2,239,709; Apr. 29.
Serving or dispensing container. U. Hutchinson. 2,240,215; Apr. 29.
Shade hanger. W. M. Banks. 2,240,385; Apr. 29.
Shade, Skylight roller. E. F. Pidgeon. 2,240,416 Apr. 29.
Shaft mounting. S. M. Weckstein. 2,239,867; Apr. 29.
Shaving implement. J. Muros. 2,240,264; Apr. 29.
Shears. A. A. Lincoln. 2,239,851; Apr. 29.
Sheet feeding and registering device. G. Spiess. 2,240,424; Apr. 29.
Shelf construction, Cabinet. D. W. Pratt. 2,239,734; Apr. 29.
Shift-over mechanism for cameras and the like. J. M. Wall. 2,240,126; Apr. 29.
Shock absorber for belt conveyer guide and actuating rolls. R. W. Parker. 2,239,687; Apr. 29.
Shock excitation system. G. Jobst. 2,239,678; Apr. 29.
Shoe and heel therefor. G. Hazelton. 2,239,818; Apr. 29.
Shoe sole laying mechanism. J. M. Rohrer. 2,239,737; Apr. 29.
Shoe soling machine. C. A. Watkins, J. G. Wright, and C. T. Harris. 2,240,429; Apr. 29.
Showcase units, Attachment for. A. Vanderveld. 2,239,947; Apr. 29.
Signal detecting system. R. C. Sanders, Jr. 2,239,757; Apr. 29.
Signal device. L. Rittenhouse. 2,240,378; Apr. 29.
Signal rectifier circuit. S. Hunt. 2,239,915; Apr. 29.
Signal transmission system, High frequency. W. S. Percival. 2,239,901; Apr. 29.
Signaling apparatus. M. Geiger. 2,240,136; Apr. 29.
Signaling device. H. G. Henry. 2,239,676; Apr. 29.
Signaling system, Telephone. K. M. Lord and G. E. Warren. 2,240,339; Apr. 29.
Silicates, Manufacture of. D. B. Curll, Jr. 2,239,880; Apr. 29.
Sinker, Fishline. I. L. Ruiz. 2,239,934; Apr. 29.
Sleeve construction for garments. M. Fellegi. 2,239,998; Apr. 29.
Slicing appliance, Egg and like. M. Locker. 2,240,221; Apr. 29.
Slide fastener lock. R. A. Johns. 2,240,138; Apr. 29.
Socket, Headlight. H. H. Clayton. 2,239,878; Apr. 29.
Sound deadener. P. G. Peik. 2,240,014–5; Apr. 29.
Sound deadening composition and the process preparing same. P. G. Peik. 2,239,688; Apr. 29.
Sound motion picture apparatus. A. G. Zimmerman. 2,240,323; Apr. 29.
Speed transmission, Variable. A. G. Bade. 2,239,983; Apr. 29.
Speed transmission, Variable. W. P. Schmitter and A. G. Bade. 2,240,148; Apr. 29.
Spinnerettes, Manufacture of. M. Schneider. 2,239,979; Apr. 29.
Sponge rubber and producing the same. P. G. Peik. 2,240,415; Apr. 29.
Spool. N. Loesel. 2,239,725; Apr. 29.
Spool for narrow ware. J. W. Stark. 2,240,197; Apr. 29.

Spray gun unit. S. Bramsen, E. Gustafsson, and W. B. McMartin. 2,239,987; Apr. 29.
Spring fastener. G. A. Tinnerman. 2,239,797; Apr. 29.
Stamp affixer, Postage. S. G. Richards. 2,239,932; Apr. 29.
Stand: *See*—
Display stand.
Staple setting machine. A. E. Carlile. 2,240,455; Apr. 29.
Stapling machine. R. G. Hoffert. 2,239,963; Apr. 29.
Stapling mechanism. F. A. Scherman. 2,239,935; Apr. 29.
Start and stop mechanism for phonograph turntables, Quick. L. Thompson. 2,240,320; Apr. 29.
Station recording, Remote. K. J. Dunlap. 2,240,068; Apr. 29.
Stay bolt for boilers. C. V. Bauer, F. P. Cina, and C. J. Zusy. 2,239,908; Apr. 29.
Sterilizer. W. G. Harvey. 2,240,001; Apr. 29.
Stopcock. L. V. Kain. 2,240,074; Apr. 29.
Stove. C. Genda. 2,239,957; Apr. 29.
Stove. H. E. Mills. 2,240,144; Apr. 29.
Stove. H. E. Mills and F. F. Dupuis. 2,240,340; Apr. 29.
Suction cleaner motor mounting. A. W. Seyfried. 2,240,150; Apr. 29.
Suction cleaning apparatus. C. H. Taylor. 2,239,762.
Suction separator. C. D. Adams. 2,240,167; Apr. 29.
Sulphones, Aminosulphonamide diphenyl. J. H. Williams. 2,240,383; Apr. 29.
Superheater element. A. Huet. 2,240,372; Apr. 29.
Superheater for scotch boilers. H. C. Towle and J. A. Barnes. 2,240,198; Apr. 29.
Support: *See*—
Clamping support. Towel support.
Seat support.
Support for gaseous discharge lamps. W. F. Hodge. 2,240,333; Apr. 29.
Surgical needle or the like. A. B. Flagg and J. A. Reese. 2,240,330; Apr. 29.
Switch: *See*—
Electric switch. Time switch.
Ignition control switch.
Plural-pole single-throw switch.
Switch box. H. E. Tantz. 2,240,426; Apr. 29.
Switch for signal lights. S. E. Blodgett. 2,240,089; Apr. 29.
Switch, Selector. C. N. Hickman. 2,240,039; Apr. 29.
Synchronizing circuit. N. F. Smith, Jr. 2,240,422; Apr. 29.
Synchronizing mechanism. J. H. Gordon, Jr. 2,239,710; Apr. 29.
System for cooling by evaporation or combustion engines. A. Berger and R. Freitag. 2,240,065; Apr. 29.
Synchronizing system. I. E. Cole. 2,239,702; Apr. 29.
Tab attachment, Metal. C. C. Casey. 2,239,840; Apr. 29.
Table: *See*—
Folding table.
Table and the like. W. J. Evans. 2,240,395; Apr. 29.
Take-ups for sewing machines. F. Parry. 2,239,855; Apr. 29.
Tamping and like implement. C. Jackson. 2,239,785; Apr. 29.
Tank ball. H. S. May. 2,239,923; Apr. 29.
Target-emitter for electric discharge devices, Capacitive. W. H. Bennett. 2,239,695; Apr. 29.
Telephone apparatus. C. E. Lomax. 2,239,825; Apr. 29.
Telephone receiver. P. A. Bottorff. 2,239,837; Apr. 29.
Telephone system. E. S. Peterson. 2,239,902; Apr. 29.
Television scanning apparatus. R. Urtel. 2,239,748; Apr. 29.
Template for machinery and the like, Anchoring. V. J. Thomsen. 2,240,427; Apr. 29.
Tension device, Adjustable yarn. R. H. Carter, R. Gollong, and C. B. Kingsbury. 2,240,153; Apr. 29.
Tesring apparatus. O. J. Horger. 2,239,890; Apr. 29.
Textile printing press. A. M. Wickwire, Jr. 2,240,249; Apr. 29.
Thermal treatment for aluminum base alloys. D. W. Smith and W. L. Fink. 2,239,744; Apr. 29.
Thermometer. W. O. Geyer. 2,240,070; Apr. 29.
Thermoplastic, film-forming, organic substances, Improving the properties of. H. Fikentscher and H. Jacqué. 2,239,780; Apr. 29.
Thermostat valve. N. Borresen. 2,240,435; Apr. 29.
Thread cutting mechanism. C. A. Reimschissel and E. M. Eigenbrode. 2,239,735; Apr. 29.
Tile, clay, etc., Drainage. L. L. Newman. 2,240,411; Apr. 29.
Tillage implement. J. L. Hipple. 2,239,961; Apr. 29.
Time switch, Automatic. J. C. Gillette. 2,239,999; Apr. 29.
Time switch, Automatic multiple. J. C. Gillette. 2,240,000; Apr. 29.
Tipping machine. D. Daneke and W. H. Kushera. 2,239,995; Apr. 29.
Tire, Pneumatic. B. H. Benson and B. E. Mendelsohn. 2,240,169; Apr. 29.
Toaster, Electric. O. V. Sealph and E. W. Hufford. 2,239,862; Apr. 29.
Toilet bowl, Ventilated. W. H. Foreman. 2,240,094; Apr. 29.
Tool: *See*—
Branding tool. Machine tool.
Culinary tool. Planing tool.
Tool. R. H. Kingdon and G. K. Moore. 2,240,188; Apr. 29.
Tool joint. R. Neuhaus. 2,239,826; Apr. 29.
Torch, Cutting and welding. S. J. Errett. 2,239,885; Apr. 29.
Towel dispensing apparatus. P. F. Hoag and P. D. Payne. 2,239,850; Apr. 29.
Towel support. G. B. Davis. 2,239,881; Apr. 29.
Tower construction, Cooling. E. W. Simons. 2,239,936; Apr. 29.
Toy. F. S. Welch and G. O. White. 2,239,982; Apr. 29.
Toy, Action. H. G. Fisher. 2,240,439; Apr. 29.
Toy for simulating baggage transfer. W. R. Smith. 2,240,124; Apr. 29.
Traction device. F. G. Hodell. 2,240,261; Apr. 29.
Traffic game. J. J. Clark and J. De Vine. 2,239,779; Apr. 29.
Transcribing machine. L. Thompson and R. L. Stone. 2,240,321; Apr. 29.
Transfer process and copy paper for use therein. R. C. Bour. 2,240,031; Apr. 29.
Transformers and the like, Operating device for adjustable. P. Soulary. 2,239,941; Apr. 29.
Transforming apparatus, Electric. E. F. W. Alexanderson. 2,240,201; Apr. 29.
Transmission, Hydraulic. R. M. Schaefer. 2,240,270; Apr. 29.
Transporting and dumping container. G. R. Dempster. 2,239,671; Apr. 29.
Trap: *See*—
Animal trap.
Tray, Card. G. C. Bruen. 2,240,325; Apr. 29.
Tray, Dentist's plastic. W. C. Harbart. 2,239,960; Apr. 29.
Tray, Ice cube. T. J. Morton, Jr., and C. A. Bauer. 2,240,004; Apr. 29.
Trimming device for sewing machines. V. J. Sigoda. 2,239,743; Apr. 29.
Trolley wire hanger. S. S. Matthes. 2,239,792; Apr. 29.
Truck. O. M. Swimley. 2,240,355; Apr. 29.
Tube: *See*—
Adjustable Venturi tube. Electron beam tube.
Discharge tube.
Tube support for gauges, recorders, and the like. N. J. Smith. 2,239,938; Apr. 29.
Tubes, Making and cooling. B. L. Quarnstrom and R. H. Hobrock. 2,240,019; Apr. 29.
Tubing, Producing welded. J. R. Borgadt. 2,240,170; Apr. 29.
Tubing, Tempering glass. K. Stratton. 2,239,796; Apr. 29.
Tumbling machine. K. G. Soderberg. 2,239,904; Apr. 29.
Tuning device, Radio apparatus. P. Croll, Jr. 2,240,287; Apr. 29.
Undergarment. E. F. Ranser. 2,239,972; Apr. 29.
V Block. H. R. Schlichting. 2,240,230; Apr. 29.
Vacuum cleaner with mop cleaning receptacle. S. F. Wells. 2,240,107; Apr. 29.
Valuation exhibitor. M. E. Holme. 2,239,819; Apr. 29.
Valve: *See*—
Automatic pressure valve. Plug valve.
Expansion valve. Thermostat valve.
Valve. L. C. Broecker. 2,240,129; Apr. 29.
Valve actuating mechanism. D. C. Holmes and A. H. Griffiths. 2,240,299; Apr. 29.
Valve apparatus for controlling hydraulic or pneumatic machines. E. Pick. 2,240,163; Apr. 29.
Valve gear. C. E. Hathaway. 2,239,713; Apr. 29.
Valve indicator. S. Evans. 2,239,842; Apr. 29.
Valve mechanism for windshield cleaner motors. E. W. Sibley. 2,240,381; Apr. 29.
Valve stem of the capless type. H. Z. Gora. 2,240,096; Apr. 29.
Valves, Safety latch for gas. M. J. Sadvary. 2,239,831; Apr. 29.
Variable speed gear. P. Ravigneaux. 2,239,973; Apr. 29.
Vehicle brake. G. H. Hunt. 2,239,916; Apr. 29.
Vehicle control apparatus, Motor. G. E. Howard. 2,239,962; Apr. 29.
Vehicle cover supporting structure. S. C. Forrester. 2,239,888; Apr. 29.
Ventilating device for water closets. H. L. Carothers. 2,240,130; Apr. 29.
Vehicle door lock construction. G. M. Nyquist. 2,240,412; Apr. 29.
Vending machine. W. A. Campbell and M. Lanway. 2,240,389; Apr. 29.
Ventilator. S. M. Anderson. 2,239,767; Apr. 29.
Ventilator. J. J. Kurtz. 2,240,406; Apr. 29.
Vibrating screen. H. L. Corwin. 2,239,903; Apr. 29.
Vibratory motor. R. S. Prescott. 2,239,931; Apr. 29.
Vulcanizer. G. P. Bosomworth. 2,240,010; Apr. 29.
Vulcanizing machine. W. J. Baker and W. C. Bleher. 2,240,251; Apr. 29.
Wall anchoring means. H. P. Homolya. 2,240,117; Apr. 29.
Wall bracket. R. S. Sanford. 2,239,978; Apr. 29.

Washer. F. J. Paul. 2,240,443; Apr. 29.
Waste heat boiler. M. R. Kuhner. 2,239,895; Apr. 29.
Water closet seat. H. C. Leslie. 2,240,220; Apr. 29.
Water gate. E. W. Murphy. 2,240,049; Apr. 29.
Water, Treatment of so-called white. A. M. R. Karlström. 2,240,403; Apr. 29.
Water tube steam generator and parts thereof. M. Schmidt. 2,240,100; Apr. 29.
Wave filter. G. H. Lovell. 2,240,142; Apr. 29.
Wave generating means. N. H. Clough. 2,239,910; Apr. 29.
Well pipe joint. F. and A. L. Stone. 2,239,942; Apr. 29.
Wetting agent. A. K. Epstein and M. Katzman. 2,239,997; Apr. 29.
Wheel: *See*—
Dual wheel.
Wheel disks, Making. G. A. Lyon. 2,239,897; Apr. 29.
Wheel for watch movements, Balance. H. H. Aegler. 2,239,668; Apr. 29.
Wheel structure. G. A. Lyon. 2,239,898; Apr. 29.
Wheels, Adjusting tractor. H. A. Minturn. 2,240,312; Apr. 29.
Wheels, Composition for impregnating grinding. H. H. Jones. 2,240,302; Apr. 29.
Wheels, Lug for tractor. D. F. Errett. 2,240,092; Apr. 29.
Winch. N. P. Larsen and H. J. Troche. 2,239,822; Apr. 29.
Wind motor. S. R. Du Brie. 2,240,290; Apr. 29.
Winding device. R. L. Strube. 2,240,125; Apr. 29.
Winding machine. E. J. Abbott. 2,239,689; Apr. 29.
Window shade bracket, Adjustable. R. A. McGonigal. 2,240,408; Apr. 29.
Window structure. W. C. Scherer. 2,239,758; Apr. 29.
Wing air brake. C. L. McCormick. 2,239,854; Apr. 29.
Wiper blade and arm assembly, Windshield. E. C. Horton. 2,240,369; Apr. 29.
Wiper, windshield. A. Martl. 2,239,754; Apr. 29.
Wire cutter. F. T. Lind. 2,239,852; Apr. 29.
Wire stripping machine. R. J. Montgomery. 2,239,755; Apr. 29.
Wire, Tangling. D. E. Hennessy. 2,240,185; Apr. 29.
Wood pulp from pine wood, Producing white mechanical. O. Primavesi. 2,240,017; Apr. 29.
Wrapping machines, Feeding and folding mechanism for. H. B. Tuthill and H. F. Caldwell. 2,239,945; Apr. 29.
Wrench: *See*—
Adjustable wrench.
Wrench, Adjustable. A. Hufschmid. 2,240,370; Apr. 29.
Wringer, Control mechanism. A. W. Altorfer. 2,240,280; Apr. 29.
X-ray flashes, Method and apparatus for producing. R. D. Eaton. 2,240,037; Apr. 29.
Yarn, Method and apparatus for producing thrown. J. P. McHugh. 2,239,684; Apr. 29.
Zinc amalgams, Treating liquid. H. Wolf, E. Kuss, H. Hohn, and F. Stietzel. 2,239,869; Apr. 29.

CLASSIFICATION OF PATENTS

ISSUED APRIL 29, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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	2,240,219	210—	2: 2,240,403		2,240,351		147: 2,240,457		49: 2,240,424		63: 2,240,389
	76: 2,239,977		16: 2,240,182		78: 2,240,179		164: 2,239,831		56: 2,240,423		73: 2,240,215
	77: 2,239,824		22: 2,240,164	242—	18: 2,239,689	252—	39: 2,239,983	272—	36: 2,239,944		138: 2,239,947
	78: 2,239,916		24: 2,240,171		55.2: 2,240,109		47: 2,240,009		53: 2,239,982		142: 2,239,734
	152: 2,239,955		44: 2,240,167		58: 2,239,971		50: 2,239,752		57: 2,240,407		
189—	1: 2,239,847		60: 2,239,992		84.5: 2,240,075		51: 2,239,841		58: 2,240,228		
	67: 2,239,758		165: 2,239,898		2,240,091		79: 2,240,437	273—	88: 2,240,276		
192—	3: 2,239,902	211—	89: 2,239,808		118: 2,240,386		91: 2,240,114		134: 2,239,779		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,239,692:	260— 407	2,239,834:	308— 74	2,239,974:	252— 138	2,240,119:	73— 213	2,240,237:	146— 213	2,240,341:	260— 162
2,239,718:	260— 8	2,239,856:	220— 68	2,239,979:	204— 16	2,240,136:	178— 7.5	2,240,258:	244— 104	2,240,343:	23— 202
2,239,723:	230— 58	2,239,864:	260—397.5	2,239,980:	260— 234	2,240,144:	126— 41	2,240,276:	273— 88	2,240,362:	80— 54
2,239,728:	248— 346	2,239,869:	75— 130	2,240,001:	21— 85	2,240,163:	137— 144	2,240,283:	158— 4	2,240,368:	183— 32
2,239,734:	312— 142	2,239,870:	133—73.6	2,240,003:	236— 9	2,240,164:	210— 22	2,240,284:	62— 116	2,240,379:	158— 88
2,239,742:	260—397.3	2,239,881:	211— 89	2,240,011:	60— 51	2,240,208:	257— 245	2,240,305:	58— 1	2,240,380:	158— 88
2,239,744:	148— 24.1	2,239,882:	109— 38	2,240,034:	311— 80	2,240,213:	146— 192	2,240,307:	250— 55	2,240,383:	260—397.6
2,239,785:	104— 13	2,239,886:	62— 7	2,240,045:	220— 21	2,240,221:	146— 147	2,240,313:	180— 75	2,240,387:	30— 337
2,239,841:	33— 174	2,239,911:	43— 15	2,240,059:	158—36.3	2,240,235:	248— 220	2,240,315:	34— 9	2,240,468:	60— 127

U. S. GOVERNMENT PRINTING OFFICE: 1941

Patents Nos. 2,236,496 to 2,237,282

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April 1, 1941

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Patents	787—No. 2,236,496 to No.	2,237,282, inclusive.
Designs	174—No. 126,182 to No.	126,355, inclusive.
Total	1,186	

Notice

Patent Applications in Foreign Countries

Attention is called to the various Presidential Proclamations and Executive Orders issued under section 6 of the Act of Congress approved July 2, 1940. All inquiries concerning licenses to file applications in foreign countries under the Act should be directed to the Administrator of Export Control.

CONWAY P. COE,
Commissioner.

Control of the Export of Certain Articles and Materials

BY THE PRESIDENT OF THE UNITED STATES OF AMERICA

A PROCLAMATION

WHEREAS section 6 of the act of Congress entitled "AN ACT To expedite the strengthening of the national defense", approved July 2, 1940, provides as follows:

SEC. 6. Whenever the President determines that it is necessary in the interest of national defense to prohibit or curtail the exportation of any military equipment or munitions, or component parts thereof, or machinery, tools, or material, or supplies necessary for the manufacture, servicing, or operation thereof, he may by proclamation prohibit or curtail such exportation, except under such rules and regulations as he shall prescribe. Any such proclamation shall describe the articles or materials included in the prohibition or curtailment contained therein. In case of the violation of any provision of any proclamation, or of any rule or regulation, issued hereunder, such violator or violators, upon conviction, shall be punished by a fine of not more than $10,000, or by imprisonment for not more than two years, or by both such fine and imprisonment. The authority granted in this section shall terminate June 30, 1942, unless the Congress shall otherwise provide.

NOW, THEREFORE, I, FRANKLIN D. ROOSEVELT, President of the United States of America, acting under and by virtue of the authority vested in me by the aforesaid act of Congress, do hereby proclaim that upon the recommendation of the Administrator of Export Control I have determined that it is necessary in the interest of the national defense that on and after April 15, 1941, the following-described articles and materials shall not be exported from the United States except when authorized in each case by a license as hereinafter provided:

Any model, design, photograph, photographic negative, document, or other article or material, containing a plan, specification, or descriptive or technical information of any kind (other than that appearing generally in a form available to the public) which can be used or adapted for use in connection with any process, synthesis, or operation in the production, manufacture, or reconstruction of any of the articles or materials the exportation of which is prohibited or curtailed in accordance with the provisions of section 6 of the act of Congress approved July 2, 1940, or of any basic or intermediary constituent of any such articles or materials.

AND I do hereby empower the administrator of Export Control to issue licenses authorizing the exportation of any of the above-named articles and materials in accordance with rules and regulations prescribed by the President.

Proclamation No. 2423,[1] of September 12, 1940, is hereby superseded except so far as and to the extent that it relates to (1) equipment (excluding minor component parts) which can be used, or adapted to use, for the production of aviation motor fuel (as is defined in the regulations issued pursuant to Proclamation No. 2417,[2] of July 26, 1940, as may from time to time be amended) from petroleum, petroleum products, hydrocarbon, or hydrocarbon mixtures, by processes involving chemical change; and (2) equipment (excluding minor component parts) which can be used, or adapted to use, for the production of tetraethyl lead (as is defined in the regulations issued pursuant to Proclamation No. 2417, of July 26, 1940, as may from time to time be amended).

Proclamation No. 2451,[3] of December 20, 1940, is hereby superseded so far as and to the extent that it relates to plans for the production of aviation lubricating oil.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of the United States of America to be affixed.

DONE at the city of Washington this 4th day of March, in the year of our Lord nineteen hundred and forty-one, and of the Independence of the United States of America the one hundred and sixty-fifth.

[SEAL]

FRANKLIN D ROOSEVELT

By the President:
CORDELL HULL,
Secretary of State.

[No. 2465]

[F. R. Doc. 41–1625; Filed, March 5, 1941; 10:25 a. m.]

[1] 5 F.R. 3651.
[2] 5 F.R. 2667, 2682.
[3] 5 F.R. 5229.

981573

Condition of Applications Under Examination at Close of Business March 15, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,385; Trade-Mark Division, 1,397. Oldest new case, June 4, 1940; oldest amended, June 4, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels Closure Operators; Fences; Gates; Tillage.	Oct. 10	Oct. 14	437
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Prams, Tobacco; Butchering; Bee Culture.	Aug. 13	Aug. 6	583
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 21	†Jan. 21	338
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 23	Nov. 1	463
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 4	Nov. 1	388
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 20	Aug. 16	989
3725	7. JARBOE, C. O., Optics; Photography	Sept. 20	Sept. 10	977
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Aug. 26	Sept. 3	863
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 5	Oct. 9	601
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Sept. 20	Sept. 24	245
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 23	Nov. 14	437
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 27	Sept. 25	489
5090	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept. 13	Aug. 22	563
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 15	Nov. 15	663
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 28	Sept. 3	1100
5716	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 18	Nov. 18	346
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting, Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 7	Nov. 1	552
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 28	Oct. 12	463
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 9	Nov. 1	513
6905	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 7	Sept. 25	300
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 4	Oct. 21	352
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices, Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	June 4	June 4	1499
7624	23. BUTTNER, W. J., Registers (part)	July 24	July 23	224
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 31	Aug. 10	943
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing, Vegetable and Meat Cutters and Comminutors.	Oct. 1	Oct. 14	531
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Oct. 30	Oct. 25	461
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 3	Sept. 14	646
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 3	Aug. 12	310
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Bazzage; Package and Article Carriers; Tables.	Sept. 28	Oct. 7	689
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 18	Nov. 20	595
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 30	Sept. 30	1374
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 16	Dec. 6	829
6095	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Nov. 8	Nov. 12	782
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Aug. 4	Aug. 1	338
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Dispensing; Portable Receptacles	Sept. 7	Oct. 14	799
7392	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 10	Aug. 12	595
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 16	Aug. 9	595
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 30	July 25	811
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 4	Nov. 12	497
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Aug. 15	Aug. 15	1615
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 25	Oct. 17	497
5882	42. CUTTING, H. O., Electric Signaling	Oct. 14	Oct. 14	412
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 27	Sept. 27	524
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 23	Aug. 24	639
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Dec. 2	Nov. 30	344
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 17	Oct. 17	606
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	Nov. 13	Oct. 9	409
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Oct. 24	Oct. 25	563
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 16	Sept. 17	812
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 14	Sept. 14	1237
5628	51. BACKUS, C. D., Radiant Energy (part)	†Jan. 11	†Jan. 7	375
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 16	Sept. 25	528
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 13	Aug. 19	846
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	333
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 15	Nov. 8	331
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Aug. 10	Aug. 7	1216
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	July 13	Sept. 26	201
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 8	Oct. 31	513
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Sept. 13	Sept. 21	939
5866	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Dec. 10	Dec. 20	255
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 22	Oct. 19	414
5621	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 9	Oct. 31	245
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Potsons.	Aug. 2	Aug. 1	1107
4708	64. NASH, F. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Nov. 16	Nov. 14	736
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Dec. 9	Nov. 27	286
2009 B	Trade-Marks F. A. RICHMOND	†Jan. 30	†Feb. 21	1,397
2605	Designs H. H. KALUPY	†Jan. 18	†Feb. 10	1,127

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

Ex parte Peterson

Decided February 28, 1941

Abandonment of Application—Presentation Following Favorable Decision in Interference.

Where certain claims of an application stood rejected at the time an interference involving the application was declared, and the interference terminated with a decision favorable to the applicant, and applicant did not respond to the rejection of said claims until more than six months after the decision in the interference, *Held* that the statutory period for response to the rejection was nullified by the notice of interference, that the favorable decision in the interference was not an action on the application requiring response to the outstanding rejection, and that the application is not abandoned. (Overruling *Ex parte Vial and Starkey*, 360 O. G. 261, 1927 C. D. 45.)

On Petition.

Mr. Joseph N. Nielsen for Peterson.

Coe, *Commissioner of Patents:*

This is a petition requesting that the Examiner be directed to withdraw the holding of abandonment of January 22, 1941. The petition is accompanied by an amendment alleged to be responsive to the rejection of December 12, 1939.

From the record it appears that in the Office action of December 12, 1939, all claims, including claims copied from a patent, were rejected and a shortened statutory period set for reply. This period for response was effective only for response to the rejection of the patent claims, as appears from the Office letter of December 27, 1939. Response to the rejection of the patent claims was made within the time set and in due course the interference was declared. Upon the declaration of the interference there was therefore an unanswered Office action. The interference terminated June 18, 1940, with a decision on priority favorable to the petitioner. On January 21, 1941, the petitioner requested information as to the status of the application, and he was advised by Office letter of January 22, 1941, that the application stood abandoned under the doctrine announced in *Ex parte Vial and Starkey*, 360, O. G. 261, 1927 C. D. 45.

The Vial and Starkey decision held that where the condition of an application requires no further action by the Primary Examiner after the termination of an interference, the date the interference decision becomes final marks the beginning of the statutory period for response to any unanswered action by the Office. This decision attaches significance to the date the decision in the interference becomes final, but it apparently overlooks the fact that such decision does not constitute either an action in the application, or an action such as would require prosecution by way of response thereto.

Section 4894 R. S. provides that an application shall be regarded as abandoned

"upon failure of the applicant to *prosecute* the same within six months after any *action therein*, of which notice shall have been given to the applicant, . . ." [Italics ours.]

Prosecution under this section is construed to mean prosecution by way of response to an Office action made in the application. It follows therefore that the action must be of such a character as to require prosecution; otherwise there can be no failure to prosecute. The notice of the decision in the interference was not an action in the application nor did it include anything requiring prosecution; hence, it does not qualify as an action under the statute. Furthermore, if the time for prosecution by way of response to any action is to run from some date subsequent to the date of the action, then it can only run from the date of a communication which of itself constitutes an action in the application. This is a common situation where, subsequent to some action a new or supplemental action is made in which case the statutory period running from the date of the first action is nullified and a new period starts with the date of the new action.

In the present case the six months statutory period running from the Office action of December 12, 1939, was nullified by the Notice of Interference of January 17, 1940. This notice did not require prosecution of the application by response to the Office action of December 12, 1939, nor is there any action in the application subsequent to such notice which required prosecution; hence there is no abandonment for failure to prosecute within the meaning of section 4894 R. S.

The decision in *Ex parte Vial and Starkey*, 360 O. G. 261, 1927 C. D. 45 is overruled.

The Primary Examiner is instructed to withdraw his holding of abandonment and to enter and consider the amendment filed January 29, 1941.

The petition is granted.

CONWAY P. COE,
Commissioner.

Supreme Court of the United States

The Schriber-Schroth Company
v.
The Cleveland Trust Company, Chrysler Corporation

The Aberdeen Motor Supply Company
v.
The Cleveland Trust Company, Chrysler Corporation

The F. E. Rowe Sales Company
v.
The Cleveland Trust Company, Chrysler Corporation

Nos. 9, 10, and 11. Decided December 9, 1940

1. Claims—Construction, as Affected by Cancellation of Other Claims.

"The claims of a patent are always to be read or interpreted in the light of its specifications, • • • But the particular invention to which the patentee has made claim in conformity to the statute is not always to be ascertained from an inspection of the specifications and claims of the patent alone. Where the patentee in

the course of his application in the Patent Office has, by amendment, cancelled or surrendered claims, those which are allowed are to be read in the light of those abandoned and an abandoned claim cannot be revived and restored to the patent by reading it by construction into the claims which are allowed."

2. SAME—SAME.

"It is a rule of patent construction consistently observed that a claim in a patent as allowed must be read and interpreted with reference to claims that have been cancelled or rejected and the claims allowed cannot by construction be read to cover what was thus eliminated from the patent."

3. SAME—SAME.

"The patentee may not, by resort to the doctrine of equivalents, give to an allowed claim a scope which it might have had without the amendments, the cancellation of which amounts to a disclaimer. True, the rule is most frequently invoked when the original and cancelled claim is broader than that allowed, but the rule and the reason for it are the same if the cancelled or rejected claim be narrower."

4. SAME—SAME.

A patentee having acquiesced in the rejection of narrow claims is no longer free to gain the supposed advantage of such claims by a construction of broader allowed claims as equivalent to them.

5. SAME—SAME.

Claims 1, 8, and 11 of Jardine Patent No. 1,763,523 for a piston having a head and a skirt integrally connected thereto by webs *Held* not rightly construed as including flexible webs, where the only claims specifying flexing webs or their equivalents had been cancelled from the application for the patent.

ON WRITS of certiorari to the United States Circuit Court of Appeals for the Sixth Circuit. Reversed.

Mr. John H. Sutherland and *Mr. John H. Bruninga* for The Schriber-Schroth Company, The Aberdeen Motor Supply Company and The F. E. Rowe Sales Company.

Mr. Arthur C. Denison and *Mr. F. O. Richey* (*Mr. William C. McCoy* and *Mr. Milton Tibbetts* with them on the brief) for The Cleveland Trust Company, Chrysler Corporation.

Mr. Justice STONE delivered the opinion of the Court.

Decision in these cases turns on the question whether, in the light of the Patent Office history of the Jardine patent on a piston for gas engines, the court below, in construing the specifications and claims, erroneously included one element, "flexible" or "yielding" webs in the patented combination.

A related question was considered by this Court in connection with the Gulick and Maynard patents, also involved in this litigation, in *Schriber-Schroth Company* v. *Cleveland Trust Co.*, 305 U. S. 47. Respondent is the assignee in trust under a pooling agreement of some eighty patents relating to pistons for gas engines. It brought suit in the district court for northern Ohio against petitioners, three piston dealers, customers of the Sterling Products Company, to restrain infringement of five of the patents, including the Gulick patent, No. 1,815,733, applied for November 30, 1917, and allowed July 31, 1931, the Jardine Patent, No. 1,763,523, applied for March 11, 1920, and allowed June 10, 1930, and the Maynard patent, No. 1,655,968, applied for January 3, 1921, and allowed June 10, 1928.

The cases were consolidated and tried before a special master who, upon the basis of elaborate special findings, concluded that the Gulick patent was invalid because of want of invention and because of the addition to the application by amendment in 1922 of a new element of the alleged invention; that the Maynard patent was invalid for want of invention and for failure to describe and claim the alleged invention, and that the Jardine patent was invalid as not showing invention over the prior art exhibited by Ricardo, Franquist, and Long. He held the other patents invalid for reasons not now material.

The district court adopted the master's findings and gave its decree for petitioners. The court of appeals reversed as to two of the five patents, holding the Gulick and Maynard patents valid and infringed. 92 F.(2d) 330. The elements of the combination as stated in claim 39, one of several claims of the Gulick patent which the court sustained, are:

"A piston for an engine cylinder comprising a skirt, a head separated from the skirt wall around its entire periphery, said skirt being longitudinally split to render the skirt wall yieldable on every diameter in response to cylinder wall pressure, wrist pin bosses, and means rigidly connecting said bosses to the head and yieldingly connecting said bosses to the skirt whereby said skirt is yieldable in response to cylinder wall pressure."

References to a combination, including with other elements web connections "whereby said piston skirt is rendered yieldable during operation in response to cylinder wall pressure" appears in number 18, another of the sustained claims.

The court of appeals found invention in both the Gulick and Maynard patents, in a combination of elements of which one was "webs laterally flexible," which was not specifically described or claimed in the Gulick patent before its amendment of 1922 and was never so described or claimed in the Maynard patent.

Conceding that other elements in the combinations were old in the piston art it said:

"But to combine insulation of head from skirt, retraction of the bosses from the skirt periphery, connection of such bosses to the skirt with webs laterally flexible and yet so carried from the head as to support the load upon the wrist pin with sufficient strength and rigidity, and to utilize the mechanical force of the cylinder wall upon the skirt and the thermal expansion of the bosses so as to compensate evenly and fully for head expansion and to secure a balanced flexibility of the skirt with no bending concentration at any point therein, discloses, we think a meritorious concept beyond the reach of those skilled in the art." 92 F.(2d) at 334.

Upon an examination of the Gulick application before amendment and the Maynard patent we concluded, 305 U. S. 47, that neither described or claimed flexible or yieldable webs as an element in the patented inventions. For that reason alone we held that if the flexible web constituted an essential element of the inventions both patents failed to satisfy the requirement of the statute that the patentee describe his invention so that others may construct and use it after the expiration of the patent and that it

"inform the public during the life of the patent of the limits of the monopoly asserted, so that it may be known which features may be safely used or manufactured without a license and which may not." *Permutit Co.* v. *Graver Corp.*, 284 U. S. 52, 60;

that consequently the patent monopoly did not extend beyond the invention described and explained by the patent as the statute requires and could not be enlarged by amendment so as to embrace in the

invention an element not described or claimed in the application as filed, at least when adverse rights of the public had intervened. See *Schriber-Schroth Co.* v. *Cleveland Trust Co.*, supra, 57.

Upon the remand the court of appeals held in the present suit, *Schriber-Schroth Co.* v. *Cleveland Trust Co.*, 108 F.(2d) 109, that the elements of the combination described and claimed in the Gulick patent before amendment and in the Maynard patent without including the flexible web element which was added only by amendment to the Gulick patent, did not disclose invention over the prior art. But considering that the flexible web element which had not been included in the combination patented by Gulick and Maynard had been described and claimed in the Jardine patent, it recalled its mandate to the district court by which it had directed dismissal of the suit brought on that patent. See *Schriber-Schroth Co.* v. *Cleveland Trust Co.*, supra, 112, 113. Upon an examination of the Jardine specifications and claims it found there described and claimed the invention which it had previously found in Gulick and Maynard, but which this Court had found the patentees had failed to describe and claim in their applications.

The Jardine claims, 1, 8, and 11, which it sustained, recite the webs as an element but do not describe them as flexible or point to flexibility as an element in the invention claimed. But in the specifications of the patent, which so far as now material appeared in Jardine's application describing the invention, he makes specific reference to the webs constructed in such proportions as to enable them to "bend" in response to the reaction force of the cylinder wall on the outer faces of the guide segments as the piston expands, and to the cooperation of the "bending" web with the thermal expansion of the guide part of the piston without a corresponding increase in its outer diameter.[1] He explained the principle of his device saying,

"I have found that these difficulties can be overcome by constructing a piston with its skirt or guide portion supported and slotted or divided in a manner to permit deformation and deflection of parts thereof without interfering with the performance of the essential functions of the respective parts."

Reading specifications and claims together, the court of appeals interpreted the latter as incorporating the element of web flexibility in the combination claimed and concluded that Jardine had explained and claimed "the principle of operation of his machine and the flexibility of its webs." It said that "the knowledge that was not Gulick's or was by him concealed is clear to Jardine and by him proclaimed." It held the Jardine patent valid and infringed as it had found Gulick infringed in its earlier decision.

We granted certiorari, 309 U. S. 648, on a petition which raised, among others, the question whether the court of appeals had misinterpreted or unduly limited this Court's earlier decision in this case and its decision in *Permutit Co.* v. *Graver Corp.*, supra, by refusing to hold a patent invalid where a feature found to be an essential element of the patented combination was not mentioned in the claims of the patent and was in fact surrendered during the prosecution of the application and after adverse decisions in interferences.[2]

[1] The claims of a patent are always to be read or interpreted in the light of its specifications, *Hogg* v. *Emerson*, 11 How. 587; *Carnegie Steel Co.* v. *Cambria Iron Co.*, 185 U. S. 403; *Smith* v. *Snow*, 294 U. S. 1; and we may assume that if in the present case the specifications and claims of the patent were to be interpreted without reference to its file wrapper history, the webs referred to in the claims are the webs described in the specifications as capable of bending in cooperation with the slotted piston guides or skirts so as to compensate for thermal expansion and so supply the element of webs laterally flexible which was wanting to Gulick and to Maynard. But the particular invention to which the patentee has made claim in conformity to the statute is not always to be ascertained from an inspection of the specifications and claims of the patent alone. Where the patentee in the course of his application in the Patent Office has, by amendment, cancelled or surrendered claims, those which are allowed are to be read in the light of those abandoned and an abandoned claim cannot be revived and restored to the patent by reading it by construction into the claims which are allowed. Hence, petitioner argues, the effect to be given to the omission from the Jardine claims of any reference to the flexible web feature, which the court below thought distinguished his alleged invention from that of the Gulick and Maynard patents, cannot rightly be determined without some examination of the claims pointing to flexible webs as a feature of his invention, which Jardine added to his application by amendment and later surrendered as a result of interference proceedings in the Patent Office.

The Jardine patent was described as of the slipper type of piston although not limited to that type, the skirt consisting of two separated parts circumferentially separated from the piston head, supported

[1] An excerpt from the Jardine specifications reads:

"The webs 6 and guide segments preferably are so designed that this displacement of the segments 10, 10ª, is permitted by virtue of a bending of the webs 6 at points remote from the guide segments. To this end, as shown in Fig. 4, the thickness of the guide segments is increased toward the webs 6 and the webs 6 are decreased in thickness from the guide portions inward toward the bosses to points in line with the inner ends of the slots 11ª. This gives in effect a cantilever structure weakest at its support, . . . Thus the reaction force of the cylinder wall on the outer faces of the guide segments as the piston expands tends to cause bending of the webs 6 along said lines 13. Due to the bending of the web sections 6 and the forcing together of each pair of segments, the guide part of the piston may undergo a considerable thermal expansion without a corresponding increase in the outer diameter thereof and thus a small initial clearance can be used without danger of scoring or seizure of the piston."

[2] A question raised by the petition for certiorari was whether respondent could prosecute its suit for injunction in the absence, as a party, of the licensee to whom respondent had granted the exclusive right to manufacture, under the patents in question, aluminum pistons, the only field in which concededly the patent has present practical utility. The special master found against petitioners on this point and no exceptions were taken to his finding, nor was the point argued when the case was first before the circuit court of appeals and this Court. The court below thought that in view of these circumstances the right of respondents to an injunction was no longer an issue. We do not here pass on the question since we find that, in any case, for reasons appearing in the opinion, no injunction should issue.

by the webs which connect the skirt or slippers with the piston head and support wrist pin bosses from which the skirt is retracted or cut away. The claims of the Jardine application as filed or later amended and ultimately allowed made no reference to the webs as flexible, yielding, or resilient, which the court of appeals found, when cooperating with other structural elements, to be a distinguishing feature of Jardine's invention. Claim 8 of the Jardine patent, which is typical of the three which the court below sustained, reads:

"In a piston for an internal combustion engine, the combination of a head having a cylindrical ring flange, oppositely disposed webs integral with the flange and carrying diametrically opposite piston pin bosses, and skirt integral with said webs and cut away to expose the sides of said webs and separated from the ring flange by circumferential slits and provided with a longitudinal slit disposed between the ends of the webs."

Claims 5 and 6 refer to the "skirt portion cut away from the head to expose the bosses."

While the application was pending Jardine amended his claims so as to supply this omission. In various forms he claimed the cylinder head, skirt and web combination with cylinder head separated at its flange or periphery from the skirt, the skirt slotted or separated into parts and connected with the head by the webs, variously described as "yielding ribs," "resilient arms," "skirt carriers . . . susceptible of being slightly flexed radially" or as "joining means being resiliently yieldable," or as "means for yieldingly connecting the said skirt section with said head". These claims, as a result of being thrown into interference with Hartog, No. 1,842,022, applied for February 16, 1920, allowed January 19, 1932, and in some instances with Gulick and with Long, No. 1,872,772, applied for March 7, 1919, allowed August 23, 1932, were rejected by the Patent Office. Jardine then withdrew all of these amendments. Of these amended and cancelled claims, claim 18 [19 E] is typical. It reads as follows:

"In a piston of the class described, a cup-like head comprising a pressure receiving end and a wall portion, a skirt, circumferentially disconnected from the wall portion of the head and divided from end to end, and skirt carriers connecting said skirt to the pressure receiving end, said skirt carriers being disconnected from the wall portion of the head and susceptible of being slightly flexed radially."

Upon comparison of the withdrawn claim with claim 8 of the patent as allowed it will be observed that both are combination claims for a piston having a head, a divided or slotted skirt disconnected from the wall portion of the head and connected with the head by ribs, webs or skirt carriers. The only material difference in view of what has been said to be the invention is the statement in the withdrawn claims that the skirt carriers (webs) are "susceptible of being slightly flexed radially" or the like. Whatever would have been the proper construction of the claims as allowed, read in the light of the specifications alone, there being no amendments, the question now presented is whether in view of the amendments and their withdrawal the patent can rightly be construed as including the flexible webs in the claim allowed.

In addition to the fact of the cancellation of the only claims specifying flexing webs or their equivalents as a feature of the invention, it is to be noted that at no time during the prosecution of the Jardine application did he urge that he was the inventor of a piston having flexible webs. Before the interferences and in distinguishing his invention from the Ricardo piston, Jardine urged as his only advance over Ricardo the addition of the slotted skirt which "changes the structure and the resistance to a disposal of the forces within and without the piston when the piston is in use," although in this litigation it is contended that the Ricardo patent did not disclose flexing webs. In submitting the final amendment cancelling the flexible web claims in interference and presenting the claims 8 and 11 of the Jardine patent held valid by the court below, there is no mention of flexing webs, the features stressed being in the case of claim 8 that the webs are integral with the ring flange and in the case of claim 11 that the webs are integral with the flange and extend "convergingly inwardly" therefrom.

[2] [3] It is a rule of patent construction consistently observed that a claim in a patent as allowed must be read and interpreted with reference to claims that have been cancelled or rejected and the claims allowed cannot by construction be read to cover what was thus eliminated from the patent. *Shepard* v. *Carrigan*, 116 U. S. 593; *Sutter* v. *Robinson*, 119 U. S. 530; *Roemer* v. *Peddie*, 132 U. S. 313; *Phoenix Caster Co.* v. *Spiegel*, 133 U. S. 360; *Hubbell* v. *United States*, 179 U. S. 77; *Weber Electric Co.* v. *E. H. Freeman Electric Co.*, 256 U. S. 668; *I. T. S. Rubber Co.* v. *Essex Rubber Co.*, 272 U. S. 429, 443. The patentee may not, by resort to the doctrine of equivalents, give to an allowed claim a scope which it might have had without the amendments, the cancellation of which amounts to a disclaimer. *Smith* v. *Magic City Club*, 282 U. S. 784, 790; *Weber Electric Co.* v. *E. H. Freeman Electric Co.*, supra, 677, 678; *I. T. S. Rubber Co.* v. *Essex Rubber Co.*, supra, 444. The injurious consequences to the public and to inventors and patent applicants if patentees were thus permitted to revive cancelled or rejected claims and restore them to their patents are manifest. See *Leggett* v. *Avery*, 101 U. S. 256, 259.

True, the rule is most frequently invoked when the original and cancelled claim is broader than that allowed, but the rule and the reason for it are the same if the cancelled or rejected claim be narrower. *Morgan Envelope Co.* v. *Albany Paper Co.*, 152 U. S. 425, 429; *Wm. B. Scaife & Sons* v. *Falls City Woolen Mills Co.*, 209 Fed. 210, 213; see *Computing Scale Co.* v. *Automatic Scale Co.*, 204 U. S. 609, 620, 621; cf. in case of disclaimer *Altoona Theatre Co.* v. *Tri-Ergon Corp.*, 294 U. S. 477, 492, 493.

[4] In view of the prior art which precluded, as the court below held, invention in Gulick and Maynard, absent the flexible webs, and in Jardine without the inclusion of the surrendered flexible web feature in the patented combination, it does not appear why the Patent Office allowed the broad

claims after rejecting the narrower ones. But in any case the patentee, having acquiesced in their rejection, is no longer free to gain the supposed advantage of the rejected claims by a construction of the allowed claims as equivalent to them. *Morgan Envelope Co.* v. *Albany Paper Co.*, supra.

The application of that principle in the present case is not foreclosed as respondent suggests because the combination of elements surrendered differs from the combination which the court below found to be preserved in the allowed claims and in which it found invention. The combination which it found to be preserved in Jardine's claims was

"a combination with balanced skirt flexibility due to cooperation of longitudinal and vertical slotting with flexing webs supporting retracted bosses and connected to a skirt thereby made responsive to physical compression and thermal expansion so as to permit of minute clearances between piston and cylinder, a concept perceived in Gulick as amended and minus amendment no longer perceived." 108 F.(2d) 114.

[5] But the amended and cancelled claims are to be read in the light of the specifications. So read cancelled claim 18 [19 E] already quoted claims a piston "of the class described" and embraces the combination in which the court below found invention, longitudinal and vertical slotting, flexing webs supporting "retracted bosses" and connected to a skirt thereby made responsive to physical compression and thermal expansion. True the amended and cancelled claims and allowed claims 1, 8, and 11 did not specifically mention retraction of the skirt from the bosses. Nor did either the amended claims or the allowed claims specify balanced skirt flexibility due to cooperation of the parts. For them recourse must be had to the specifications and drawings in which the court below found the elements of the invention which it described. The difference between the amended and the allowed claims thus construed is only that, in consequence of the surrender of the former particularizing the flexible web feature of the alleged invention, the latter cannot be construed as including that feature.

We have no occasion to determine whether, in view of the prior art, the Jardine patent disclosed invention if the flexible web feature had not been surrendered. Without it the court below concluded that Jardine, like Gulick and Maynard, disclosed no invention. It rejected the Schmiedeknecht patent, No. 1,256,265, one of those in suit, on like grounds, saying,

"It discloses no web flexibility cooperating with other elements of resiliency to achieve the balanced flexibility perceived in Jardine on the basis of which alone the latter is thought to be valid . . ."

We accept this conclusion as supported by the evidence of the prior art in the master's findings and the only one which could be reached consistently with the decision below with respect to the Gulick and Maynard patents which stand adjudged as invalid.

Reversed.

Mr. Justice MCREYNOLDS and Mr. Justice ROBERTS took no part in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

HOLSKE *v.* MERRILL

No. 4,360. Decided November 8, 1940

[— F.(2d) —]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the method defined in the counts in issue is not inherent in the disclosure of the patent relied upon by the junior party H to establish conception of the invention and that priority was properly awarded to the senior party M.

APPEAL from Patent Office. Affirmed.

Mr. George C. Baldt (*Messrs. Ely* and *Pattison* of counsel) for Holske.

Mr. Charles H. Andros for Merrill.

GARRETT, *P. J.*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office reversing the decision of the Examiner of Interferences in an interference proceeding involving two counts which relate to the art of refrigerating with ice.

The counts read:

2. The method of refrigerating with a block of ice whereby to confine the progressive meltage thereof substantially to the lower portions of said block which comprises initially supporting the ice at oppositely disposed ends only, dividing a flow of air to be cooled into separate, substantially equal streams and directing said streams simultaneously into contact with the opposite ends of said ice at and about the zones of initial support whereby to effect a relatively high ice meltage rate in these zones and thus cause said block to settle so that its central bottom surface is substantially below the level of the original zones of support and also to effect an initial chilling of said air whereby to increase its density and effect a downward flow of said streams, and thereafter directing said streams towards each other and under said block of ice to a central zone of confluence while maintaining said flowing streams in high, heat-transfer-relation to the bottom of said ice.

4. The method of refrigerating with a body of ice whereby to confine the progressive meltage thereof substantially to the lower portions of said body which comprises dividing a flow of air to be cooled into two, separate, substantially equal streams, directing said streams simultaneously into contact with opposite ends of said body in zones near the bottom thereof, whereby to effect an "undercutting" of said body in said zones and also to effect an initial chilling of the air to increase its density and effect a downward flow of said streams, and thereafter directing the flow of said streams beneath said body of ice to a central zone of confluence while maintaining said flowing streams in high, heat-transfer-relation to the bottom of said ice.

It appears from the record that originally two interferences were declared between the parties, and that proceedings growing out of a motion to dissolve and one to shift the burden of proof resulted in a consolidation of the two. The details of those proceedings need not be here recited. It is deemed sufficient to quote the statement of the case given by the Examiner of Interferences as follows:

The counts in issue are certain claims of Merrill's two involved patents, 2,062,139 and 2,062,140, which were copending as applications but were filed on different dates resulting in the original formation of this interference as two separate interferences. The Holske application was copending with the applications of Merrill which issued as the above patents and was filed before Merrill had filed the application which resulted in Patent 2,062,140 but after the other Merrill application was filed. Merrill, however, is senior party, as to all counts because his first filed application upon which he relied in support of his motion to shift the burden of proof discloses the subject matter of all counts and was copending with his later filed application. Inasmuch as Merrill was the senior party as to all counts, the two original interferences were consolidated. Since the Holske application was copending with the Merrill patents, as applications, Holske only has the burden of proving priority by a preponderance of the evidence.

The controversy here is confined to a narrow limit. The general question is whether the Holske patent,

No. 2,029,870, discloses the subject matter of the counts, and the specific question is whether there is a disclosure of the step of dividing a flow of the air which is to be cooled into two separate substantially equal streams—a step defined in both counts.

For purposes of illustration, we here reproduce Fig. 2 of the Holske drawings.

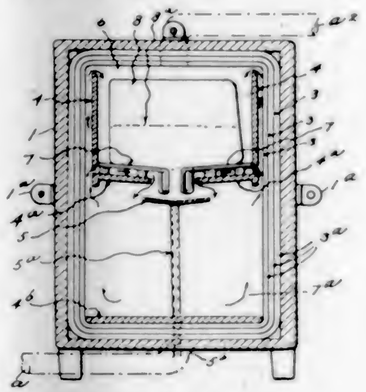


FIG. 2

With respect to the feature at issue, the Examiner said:

> While the Holske patent does not specifically state that the air is divided into two substantially equal streams, no other conclusion could possibly be reached after studying the Holske patent drawing since it shows a symmetrical inner construction of the ice and food compartments. The Holske patent therefore not only describes the gist of the invention in counts 2 and 4 but it is apparent from the specification and drawing thereof that the desirable features or functions of the method in issue are necessarily obtained.

The Board said:

> It is our view that Holske does not disclose the subject matter of the counts as to dividing a flow of air to be cooled into two separate substantially equal streams. In order to meet the terms of the counts, it is necessary to assume that Holske intended to have equal circulation of the air over baffles 4 and under the grids. Such a distribution of the air streams is not inherent in Holske but is only a conjectural possibility, whereas it is effected substantially in Merrill's early application by baffles 35 (Fig. 2).
>
> Furthermore, Holske's streams passing under the grids 7, even if these streams be assumed to be equal, do not, as streams, necessarily contact with the opposite ends of the ice. It is our view that the streams in Holske were merely intended to contact with the metal pieces 7 and 4. In any event, Holske does not teach the direction of the lower streams against the ice nor does he teach that the streams so directed against opposite ends of the ice effect a relatively high meltage rate or undercutting about the zones of initial support.
>
> In brief, if the counts were claims in the Holske patent, they would not point out and distinctly state any invention disclosed in that patent.

A request for rehearing was filed with the Board. This was denied, the denial being accompanied by a brief statement in which it was said:

> This petition alleges misunderstanding on our part of the Holske patent, No. 2,029,870. Our position is clearly and, we believe, correctly stated in our decision. Rule 35 of the Rules of Practice and section 4888, Revised Statutes clearly require that the specification set forth the precise invention for which a patent is solicited. It is our view that the Holske patent has no such precise disclosure and that no one skilled in the art would define the invention of the Holske patent in the manner of the issue counts here involved.

The brief of appellant before us contends that the Board misconstrued his patent in certain particulars, and argues the various points deemed by him to be pertinent. These arguments have been thoroughly considered by us. In the final analysis, they are all directed to an effort to show that the step of directing the flow of the air as defined in the counts is necessarily present in the functioning of his device. In other words, inherency is invoked to supply a limitation not mentioned in appellant's specification. If such features were clearly inherent, appellant would be entitled to rely upon inherency, but it should be clear.

Obviously, no one could deduce from anything stated in appellant's specification that he had in mind the division of "a flow of air to be cooled into separate, substantially equal streams." One can only surmise from the drawings that such might take place.

There is nothing particularly complicated about appellant's device, and its structural features are easily understandable from the figure above reproduced, but we are unable to say from those features that the method step at issue is inherent. The Examiner thought it was; the Board thought otherwise. Our own view, after fully considering the record and argument, is that there is not a sufficient disclosure in the patent to justify a holding contrary to that made by the Board.

In consequence, the decision appealed from is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MARSHALL FIELD & CO.

v.

R. H. MACY & CO. INC.

No. 4,378. Decided December 9, 1940

[— F.(2d) —]

TRADE-MARKS — OPPOSITION — CONFUSING SIMILARITY— "CREPEGLO" AND "CREPETEX."

Registration of mark "Crepeglo" for use on women's hosiery *Held* properly refused on ground the mark is confusingly similar to opposer's previously used and registered mark "Crepetex" used on same goods.

APPEAL from Patent Office. Affirmed.

Mr. A. W. Murray for Marshall Field & Co.

Mr. Thomas L. Mead, Jr. (*Messrs. Browne and Phelps* of counsel) for R. H. Macy & Co. Inc.

JACKSON, *J.*:

This is an appeal from a decision of the Commissioner of Patents in an opposition proceeding brought under the Trade-Mark Act of 1905, as amended.

Appellant filed its application in the United States Patent Office for the registration of the trade-mark "Crepeglo" for women's crepe hosiery. Appellee opposed the registration on the ground of its prior use and ownership of the trade-mark "Crepetex" for women's crepe hosiery. Both parties took testimony.

The record shows that appellee's use of the mark "Crepetex" preceded any use by appellant of the notation "crepe" in connection with hosiery, and that the appellee's registration of "Crepetex" long preceded the earliest use by appellant of "Crepeglo."

The Examiner of Interferences in his decision dismissed the notice of opposition and adjudged that appellant was entitled to the registration for which it applied. Upon appeal, the Commissioner of Patents reversed the decision of the Examiner of Interferences and sustained the opposition.

The goods upon which the marks are used by the respective parties, namely hosiery, particularly women's stockings, are substantially identical. The sole question before the tribunals below, and before us here, is whether or not the marks so nearly resemble each other that their use upon identical goods would be likely to cause confusion in trade.

It is true, as was stated by the Examiner of Interferences, that the only resemblance in the marks consists in the notation "crepe" and it is also true that the notation "crepe" is the generic name of a type of silk fabric. It appears from the record that crepe stockings are made of silk, the yarn of which is so twisted as to produce a dull finish and that this finish is characteristic of crepe stockings. Of course, the word "crepe," taken by itself, would not in any manner indicate origin nor possess any distinctiveness except as to the nature of the fabric.

The Examiner of Interferences held that the word "crepe" as appearing in the marks here involved possesses a function similar to that of the notation "Pure" in the marks "Puretest" and "Purex" when affixed to pharmaceutical preparations, as appears in the case of *Purex Corp., Ltd.*, v. *United Drug Co.*, 21 C. C. P. A. (Patents) 753, 67 F.(2d) 918, 439 O. G. 269.

Appellant filed, under the provisions of rule 154 (*e*) of the Patent Office, other registrations, for the purpose of showing that in the hosiery trade the word "crepe" has been commonly used by many third parties. Objection was made by appellee to the consideration of said registrations, but the Examiner of Interferences overruled the objection and considered the registrations, not for the purpose of attacking the validity of the registered mark, but in order to ascertain the distinctiveness of the word "crepe" to purchasers.

The Examiner of Interferences held that purchasers of the goods of the parties would pay little attention to the first syllable of the involved marks as bearing upon the origin of the goods, and stated that upon seeing the marks they would be attracted by the differences therein and that therefore confusion in trade would not be likely.

The Commissioner of Patents in his opinion held the reasoning employed by the Examiner of Interferences to be logical as far as it goes, but that the marks of the parties should not be dissected but must be compared as a whole, and when so compared if they appear to be confusingly similar there is no justification for disregarding any portion of the mark, even though it be descriptive of the character of the goods, citing *Skelly Oil Co.* v. *The Powerine Co.*, 24 C. C. P. A. (Patents) 790, 86 F.(2d) 752, 477 O. G. 766. The Commissioner applied the rule as stated in the Skelly case, supra, and held that the marks involved herein bear sufficient resemblance to create at least a reasonable probability that their use on identical merchandise would lead to confusion. The Commissioner also held that registrations to third parties of trade-marks containing the word "crepe," or marks incorporating this word, may not be considered in an opposition proceeding, as has been repeatedly held by this court, particularly in the Skelly case, supra, and in *The Pepsodent Co.* v. *Comfort Mfg. Co.*, 23 C. C. P. A. (Patents) 1224, 83 F.(2d) 906, 472 O. G. 258.

It is very clear to us that the words "Crepeglo" and "Crepetex" bear a marked resemblance to each other in sound, appearance and meaning. The first syllable of each is identical and the last syllable certainly suggests a characteristic of the goods.

We do not think it necessary to differentiate between the facts in the instant appeal and those in the cases cited by the Examiner of Interferences and by the appellant in its brief. It suffices to say that under the rulings of this court in the Skelly Oil Co. case and in the Pepsodent Co. case, supra, the decision of the Commissioner should be, and the same is hereby, affirmed.

Affirmed.

LENROOT, *J.*, took no part in the consideration or decision of this case.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,463,270, S. H. Lifton, Brief case, D. C., S. D. N. Y., Doc. 7/270, *S. H. Lifton* v. *Sturdee Leather Goods Co.* Consent order of discontinuance Jan. 31, 1941.

1,467,930, J. W. Fretwell, Locked razor, D. C., S. D. N. Y., Doc. E 77/90, *J. W. Fretwell* v. *United Cigar Stores Co. of America et al.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

1,498,269, J. J. Harris, Adhesive material, filed Jan. 16, 1941, D. C., N. D. Ill., E. Div., Doc. 2517, *J. J. Harris* v. *Dewey & Almy Chemical Co.*

1,528,227, H. W. Spooner, Conveyer system, filed Jan. 6, 1941, D. C., Mass., Doc. 1083, *Lamson Corp. et al.* v. *The Alvey Ferguson Co. et al.*

1,532,077, Quackenbush & Quackenbush, Automatic glass blowing machine, D. C. N. J., Doc. E 5880, *General Electric Co. et al.* v. *Dura Electric Lamp Co.* Dismissed Jan. 6, 1941.

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, D. C., W. D. Mo. (Kansas City), Doc. 2961, *F. B. Killian* v. *Dean Rubber Mfg. Co. et al.* Patent held valid and infringed Feb. 6, 1941. Same, D. C. N. J., Doc. 498, *F. B. Killian et al.* v. *Tecla Chemical Corp.* Dismissed Nov. 14, 1940.

1,692,292, W. Dubilier, Electric flasher device, filed Feb. 10, 1941, D. C., S. D. N. Y., Doc. 12/500, *Radio Patents Corp.* v. *S. H. Kress & Co., Inc.*

1,700,985, C. H. Jasper, Process and device for joining, finishing and final insulating wire terminals of electrical conductors, D. C., S. D. N. Y., Doc. E. 82/99, *Ideal Commutator Dresser Co. et al.* v. *American Insulator Corp. et al.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

1,710,035, R. E. Thompson, Sound-reproducing instrument, filed Jan. 30, 1941, D. C., S. D. Ohio, W. Div., Doc. 276, *Hazeltine Corp.* v. *The Crosley Corp.* Same, filed Jan. 30, 1941, D. C., E. D. Mich., S. Div., Doc. 2427, *Hazeltine Corp.* v. *General Motors Corp.*

1,736,094, B. F. Schmidt, Motor driven oil well pump, filed Jan. 29, 1941, D. C., S. D. Calif. (Los Angeles) Doc. 1384–RJ, *B. F. Schmidt* v. *Reda Pump Co. et al.*

1,737,908, R. E. Beegle, Timber anchor, filed Feb. 3, 1941, D. C., N. D. Ill., E. Div., Doc. 2584, *Beegle Tie Service Co. v. The Chicago & North Western Rwy. Co. et al.*

1,743,280, G. J. Manson, Hood cap for bottles, filed Oct. 17, 1941, D. C. N. J., Doc. 1210, *Oswego Falls Corp. v. Package Closure Corp.*

1,766,971, K. C. Augenstein, Flexible band, D. C. N. J., Doc. 566, *Forstner Chain Corp. v. Gemex Co.* Injunction Nov. 22, 1940.

1,769,027, A. E. Hutt, Semi-double deck passenger carrying vehicle, D. C., S. D. N. Y., Doc. 5/235, *A. E. Hutt v. The Pullman Co.* Consent order (notice Feb. 1, 1941).

1,779,195, A. P. Steckel, Method and apparatus for rolling thin sheetlike material, D. C. N. J., Doc. E. 4906, *Cold Metal Process Co. v. American Sheet & Tin Plate Co. et al.* Decree on mandate Oct. 14, 1940.

1,781,834, L. F. D'Autremont, Stencil sheet, D. C., S. D. N. Y., Doc. E 82/182, *Profilm Corp. v. Silk Screen Stencil Paper.* Doc. E. 87/21, *Profilm Corp. v. Jon Alan Textile Novelties.* Dismissed for lack of prosecution Jan. 21, 1941, in both cases.

1,788,112, J. J. Lawler, Thermostatic mixing valve, D. C., S. D. N. Y., Doc. 6/91, *Lawler Automatic Controls, Inc., v. Yuba Water Heaters, Inc.* Consent order (notice Feb. 5, 1941)

1,798,278, Scott & Turner, Fender for vehicles, D. C., Conn. (New Haven), Doc. 157, *American Chain & Cable Co. v. Casco Products Co.* Consent decree Jan. 31, 1941.

1,798,962, C. E. Trube, Electric coupling system, D. C., S. D. N. Y., Doc. E 80/196, *Hazeltine Corp. v. Chevrolet Motor Co. et al.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

1,807,996, N. W. Mathey, Trimming machine, C. C. A., 1st Cir., Doc. 3622, *United Shoe Machinery Corp. v. N. W. Mathey.* Decree modified and as modified, affirmed (notice Feb. 7, 1941).

1,845,936, J. F. Rude, Spider wheel for harrows, filed Feb. 1, 1941, D. C., S. D. Ohio, W. Div., Doc. 99, *J. F. Rude v Sears, Roebuck & Co. et al.*

1,857,881, Scott & Smith, Automatic vending machine, D. C. N. J., Doc. 212, *L. E. Scott et al v Allegri Ice Mfg. & Coal Co.* Injunction Jan. 18, 1941.

1,866,779, H. F. Snyder, Washing machine (declaratory judgment), D. C. Del., Doc. E 1157, *The Apex Electrical Mfg. Co. et al. v. The Maytag Co.* Dismissed without prejudice May 27, 1940.

1,877,745, H. Garfinkel, Garment, D. C., S. D. N. Y., Doc. E 87/78, *Garfinkel & Ritter v. Epstein Undervear Co.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

1,902,635, F. C. Gebhardt, Grease and method of making same, D. C. N. J., Doc. 91, *United Oil Mfg. Co. v. Metasap Chemical Co.* Consent decree for injunction Jan. 27, 1941.

1,914,010, W. E. Eccles, Electrical connection, D. C., S. D. N. Y., Doc. E 84/189, *The Andrew Terry Co. v. H. J. Levy.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

1,922,415, M. Bank, Electrical—including radio—apparatus, filed Jan. 10, 1941, D. C., N. D. Ill., E. Div., Doc. 2502, *M. Bank v. American Sound System & Broadcasting Co.*

1,926,092, H. J. Georgen, Apparatus for forming feed screws and conveyers, filed Jan. 10, 1941, D. C., N. D. Ill., E. Div., Doc. 2500, *Chicago Steel Foundry Co. v. Burnside Steel Foundry Co.*

1,933,140, W. F. Gakle, Transformer and method of making same, filed Feb. 7, 1941, D. C., S. D. N. Y., Doc. 12/490, *Kuhlman Electric Co. v. General Electric Co.*

1,940,847, H. I. Danziger, Apparatus for winding coil condensers, filed Feb. 10, 1941, D. C., S. D. N. Y., Doc. 13/2, *Condenser Corp. of America, v. Solar Mfg. Corp. et al.*

1,951,685, H. A. Wheeler, Peak detector, filed Jan. 30, 1941, D. C., S. D. Ohio, W. Div., Doc. 275, *Hazeltine Corp. v. The Crosley Corp.* Same, D. C., E. D. Mich., S. Div., Doc., 2426, *Hazeltine Corp. v. General Motors Corp.*

1,963,665, R. G. Le Tourneau, Scraper, filed Feb. 7, 1941, D. C. Nev. (Carson City), Doc. 151, *R. G. Le Tourneau, Inc., v. J. Hunt et al.*

2,007,784, M. Wittman, Doll, D. C., S. D. N. Y., Doc. E 86/68, *Fleischaker & Baum v. Ideal Novelty & Toy Co., Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

2,011,484, H. W. Harman, Method of repairing castings, D. C. N. Mex. (Santa Fe), Doc. 143, *H. W. Harman v. Alamo Parts & Machine Works.* Consent judgment enjoining defendant (notice Jan. 30, 1941).

2,015,308, F. Herr Jr., Bracelet fastener, D. C. N. J., Doc. 450, *Forstner Chain Corp. v. Gemex Co.* Consent decree for injunction Nov. 22, 1940.

2,015,815, D. Press, Curtain hanger, D. C., S. D. N. Y., Doc. E 85/220, *The Curt Spray Co. v. Rosenbluth Bros. et al.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

2,031,036, C. G. Dreymann, Composition of matter and method of its production, filed Feb. 10, 1941, D. C. Mass., Doc. 1128, *Grant Paper Box Co. v. Russell Box Co.*

2,032,887, C. Pfanstiehl, Method of tipping metallic bases, D. C. N. J., Doc. 90, *Pfanstiehl Chemical Co. v. American Platinum Works.* Stipulation and order dismissing bill Nov. 12, 1940.

2,033,081, R. C. Campbell, Rolled front fused collar, C. C. A., 2d Cir., Doc.—, *Campbell Co. v. Commercial Shirt Corp.* Decree affirmed (notice Feb. 3, 1941).

2,041,273, H. A. Wheeler, Amplifier volume control, filed Jan. 31, 1941, D. C., S. D. Ohio, W. Div., Doc. 279, *Hazeltine Corp. v. The Crosley Corp.* Same, D. C., E. D. Mich., S. Div., Doc. 2436, *Hazeltine Corp. v. General Motors Corp.*

2,054,201, S. Kanner, Process of making felt hats, filed Jan. 2, 1941, D. C. Mass., Doc. 1078, *Kanner Hat Machinery & Process Corp. v. Bristol Felt Body Co.*

2,079,870, T. Pesci, Print block, D. C. N. J., Doc. E 5903, *T. Pesci et al. v. F. A. Visser & Son, Inc.* Judgment dismissing case Feb. 6, 1941.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,116,540, W. J. Zenner, Telegraph system, decided March 4, 1941, claims 15 and 16.

Pat. 2,185,157, E. M. Nygaard and G. S. Crandall, Improved Diesel fuel, decided February 28, 1941, claims 1 and 2.

Pat. 2,145,273, F. C. Peterson and A. J. Barry Preparation of cellulose ethers, decided March 3, 1941, claims 1, 2, 3, and 6.

Pat. 2,134,005, L. M. Potts, Selective control system and apparatus, decided February 10, 1941, claims 3, 6, 7, 21, 24, 29, 34, 46, 53, 63, 72, and 77.

Pat. 2,125,727, Milton Kallscher, Air conditioning apparatus, decided March 3, 1941, claims 7 and 8.

Adjudicated Patents

(D. C. Mass.) Nilson and Prince patent, No. 1,597,999, for windshield cleaner part, *Held* invalid. *Anderson Co. v. Lion Products Co.*, 36 F. Supp. 474.

(D. C. Mass.) Anderson patent, No. 1,853,715, for wiper, claim 4 *Held* invalid. *Id.*

(D. C. Mass.) Anderson patent, No. 1,950,588, for windshield wiper or the like, claims 1 to 5, inclusive, *Held* invalid. *Id.*

(D. C. Wis.) Corser patent, No. 2,117,300, for rock crushing machine, *Held* invalid and not infringed. *Diamond Iron Works v. Wisconsin Foundry & Machine Co.*, 36 F. Supp. 378.

(D. C. Ill.) Pershall patent, No. 2,133,772, for combined shearing device and closure for liquid dispensers, claim 4 *Held* invalid and not infringed. *Na-Mac Products Corporation v. Federal Tool Corporation*, 36 F. Supp. 426.

(D. C. Ill.) Pershall patent, No. 2,154,581, for closure attachment for containers, claims 4, 5, and 6 *Held* invalid and not infringed. *Id.*

Trade-Mark Registrations Canceled

75,433. Candles. E. Greenfield's Son & Co., New York, N. Y. Registered October 5, 1909. Canceled February 28, 1941.

161,097. Certain named toilet preparations. Cheramy, Inc., New York, N. Y. Registered November 7, 1922. Canceled February 28, 1941.

286,066. Soft drink. Orris H. Halverson, Waukesha, Wis. Registered August 11, 1931. Canceled February 28, 1941.

355,604. Hosiery. Town Hosiery Co. Inc., New York, N. Y. Registered March 22, 1938. Canceled February 28, 1941.

376,091. Certain named toilet preparations. Frances Denney, Philadelphia, Pa. Registered March 12, 1940. Canceled February 28, 1941.

376,534. Paddings for floor coverings and rug cushions. Stitt & Howell, Inc., New York, N. Y. Registered March 26, 1940. Canceled February 28, 1941.

376,917. Nail polish. Peggy Sage, Inc., New York, N. Y. Registered April 9, 1940. Canceled February 28, 1941.

378,187. Rugs. Stitt & Howell, Inc., New York, N. Y. Registered May 28, 1940. Canceled February 28, 1941.

Disclaimers

1,970,518.—*Harry Aaron*, New York, N. Y. HAIR CLIPPER. Patent dated August 14, 1934. Disclaimer filed March 4, 1941, by the assignee of one-half interest, *Flora Feist Lesser.*

Hereby enters this disclaimer to claim 13 of said patent.

2,136,573.—*Charles A. Campbell*, Watertown, N. Y. AIR BRAKE. Patent dated November 15, 1938. Disclaimer filed March 8, 1941, by the assignee, *The New York Air Brake Company.*

Hereby enters this disclaimer to claim 7 of said patent.

2,162,269.—*Louis A. Mikeska*, Westfield, N. J. SULPHURIC ACID DERIVATIVES OF ALKYL-PHENOLS. Patent dated June 13, 1939. Disclaimer filed March 3, 1941, by the inventor; the assignee, *Standard Oil Development Company, consenting.*

Hereby enters this disclaimer to claims 11 and 17 in said specification.

Changes in Classification

Order No. 3,544, March 11, 1941, directs:

In *class 132, Toilet* (Division 53), establish the following subclass and definition.

88.5 **Templets.**

88.5. Devices under the class definition which serve as templets for the various tools and processes within this class.

(1) Note.—Templets for hair cutting will be found, supra, in subclass 45.

(2) Note.—Templets for manicuring devices combined with other manicuring means will be found in this class, subclasses 73.5 and 75.3 and their indented subclasses.

(3) Note.—Stencils of general application will be found in class 101, PRINTING, subclass 127.

The patents contained in this subclass have been taken for the most part from class 132, subclass 1.

In *class 250, Radiant Energy* (Division 54), establish the following subclasses and definitions:

Ray energy

49.5 Electronic and ionic (e. g., electron microscopes),
Detection and measurement of special rays
S3.3 Electrical
S3.6 Ionization type detector.

49.5. Subject matter under subclass 42 wherein an electric space discharge is utilized to produce electrons and/or ions, and means are provided for subjecting objects and materials to the electrons and/or ions.

(1) Note.—This subclass includes electron microscopes.

(2) Note.—See note (2) to the definition of subclass 42 of this class.

(3) **Search this class,** subclass 38, for spark gaps of the type used for the production of electric oscillations which are provided with means for supplying a solid or fluent material to the discharge area to alter the characteristics of the spark between the electrodes.

(4) **Search this class,** subclass 44, for subject matter under subclass 42 of this class for subjecting fluent materials to the emanation of radio-active materials, and subclass 106, for subject matter under subclass 42 for miscellaneous applications of radio-active materials.

(5) **Search this class,** subclass 27.5 and indented subclasses, for miscellaneous electric space discharge devices which have a confined gas, vapor or vacuum, especially subclass 141 and indented subclasses, for cathode ray discharge devices, and subclass 154, for cathode ray discharge devices provided with an electron permeable window.

(6) **Search Classes—**

8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclass 2, for dyeing processes, and subclass 103, for bleaching processes, for treating textiles and fabrics with radiant energy, which may be an electrical space discharge.

13—ELECTRIC FURNACES, subclasses 3, 4, 9 and indented subclasses, and 31, for electric furnaces in which the charge is heated by means of an electric space discharge, such as an electric arc.

21—PRESERVING, DISINFECTING AND STERILIZING, appropriate subclasses, especially subclasses 8, 53, 54, 74, 75 and 102, for miscellaneous methods and apparatus for preserving materials and articles, and for disinfecting or sterilizing materials, articles, or spaces, by the use of the wave energy, which may be an electric space discharge.

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 1, for processes and apparatus for (1) the separation of liquids from solids (drying), (2) the contacting of solids with gas and/or vapors, and (3) feather treatment, in which the material or object being treated is subjected to an electrical space discharge.

99—FOODS AND BEVERAGES, appropriate subclasses, for processes and apparatus for treating foods and beverages by the use of an electrical space discharge. Note especially subclasses 12, 221, 233, 253 and 274.

123—INTERNAL COMBUSTION ENGINES, subclass 146.5 and indented subclasses, for electric spark igniters for igniting the fuel in an internal combustion engine.

128—SURGERY, especially subclasses 24.4, 24.5, 68.1, 82.1, 172.1, 275.1, 303.13 and indented subclasses, and 362 and indented subclasses, especially indented subclass 404 and indented subclasses, for surgical appliances and devices which include means for applying an electrical space discharge to the human body and which are limited by claimed subject matter to therapeutic use.

131—TOBACCO, subclass 121, for processes and apparatus for treating tobacco with an electrical space discharge.

158—LIQUID AND GASEOUS FUEL BURNERS, appropriate subclasses, especially subclasses 28 and 115, for liquid and gaseous fuel burners provided with electrical space discharge devices for igniting the fuel.

175—ELECTRICITY, GENERAL APPLICATIONS, the subclasses indented under the title "Igniting devices", for miscellaneous electrical space discharge igniting devices, not otherwise classified, for igniting an inflammable material.

178—ELECTRIC LAMPS, subclasses 52, 57, 64 and 113, for electric arc lamps using electrodes made of solid material and provided with means for feeding a solid or fluent material to the discharge area between the electrodes.
183—GAS SEPARATION, subclass 7, for methods and apparatus for gas separation utilizing an electric space discharge.
204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclasses 156 and 164 and indented subclasses, for processes; subclasses 311 and 312 and indented subclasses, for apparatus for performing chemical reactions within an electric space discharge field; subclasses 158 and 302 and indented subclasses, for methods and apparatus specialized for the electrical separation or purification of liquids utilizing an electric space discharge; subclasses 192 and 298, for methods and apparatus specialized for coating or forming objects within a gaseous medium by the action of an electrical space discharge (cathode sputtering).
219—ELECTRIC HEATING, subclasses 7 and 14 and their indented subclasses, for electric welding and heating apparatus utilizing an electric space discharge (arc welding and heating).
230—GAS PUMPS AND FANS, subclass 69, for gas pumps and fans wherein an electric space discharge is utilized to impel the gas.
234—RECORDERS, subclass 64, for perforating recorders wherein the perforation is produced by an electric spark.

83.3. Subject matter under subclass 83 wherein the radiant energy rays to be detected or measured are impressed upon an electrical device whose operation is altered by the ray energy impressed thereon.
(1) Note.—This subclass includes the combination of a radiant energy ray generator and a radiant energy ray sensitive detector arranged to be subjected to the ray energy of the ray generator.
(2) Note.—This subclass and the indented subclass include electrical circuits containing photo-cells, resistances, batteries and ionization chambers, which have their operation altered by ray energy when the subject matter claimed is limited to measuring invisible ray energy.
(3) **Search this class**, subclass 41.5 for light sensitive systems and circuits wherein the light controlling the operation of the light sensitive device is within the visible spectrum and the structure claimed is useful with radiant energy rays within the visible and invisible spectrum.
(4) Note.—Electric space discharge devices per se, which are provided with means responsive to radiant energy rays for altering the operation of the discharge device, are in this class, subclass 165 and indented subclasses; note especially subclass 172, for discharge devices provided with photo-sensitive material which is sensitive to invisible rays.
(5) **Search this class**, subclass 71, for apparatus and methods for detecting invisible radiant energy rays wherein the ray energy is impressed upon a fluorescent screen or other device and a photo-sensitive device is used to detect and/or measure the visible light radiated by the fluorescent device.
(6) **Search Classes—**
73—MEASURING AND TESTING, subclass 355, for thermometers to measure radiant heat.
136—BATTERIES, subclasses 4 and 5, for thermal batteries, and subclass 89, for electro-optical batteries.
201—RESISTANCES AND RHEOSTATS, subclass 63, for electro-optical and electro-thermal variable resistances.

83.6. Subject matter under subclass 83.3 wherein the electrical device subjected to the radiant energy rays is an electrical space discharge device having two or more electrodes separated by a gas or vapor which is capable of becoming ionized when subjected to ray energy.
Note.—For electric space discharge devices containing a gas or vapor per se, which gas or vapor may be capable of being ionized by radiant energy rays, **search this class**, subclass 27.5 and indented subclasses, and class 176, ELECTRIC LAMPS, appropriate subclasses, especially subclasses 42 and 122 and their indented subclasses.

The patents contained in subclass 49.5 have been taken from various subclasses in class 250, and those in subclasses 83.3 and 83.6 have been taken from class 250, subclass 83.

In *class 250, Radiant Energy* (Division 54), cancel the existing title, definition and note (1) of subclass 71 (retaining notes 2, 3 and 4) and substitute:

Ray energy
71 Fluorescent and phosphorescent applications and devices.

71. Subject matter under subclass 42 in which fluorescent or phosphorescent properties are utilized to convert invisible rays to visible light, devices having a fluorescent or phosphorescent material thereon, and such materials per se.
(1) Note.—Included are patents claiming apparatus or process for subjecting such materials to invisible rays whether or not the source of radiation is claimed and not more specifically provided for in subclasses 43–70.
(1.5) Note.—The expression "fluorescent materials", as used in the definition of this subclass, includes materials having the property of emitting light or analogous rays as the result of irradiation by wave energy radiated by some other source.

In *class 260, Chemistry, Carbon Compounds* (Division 6), abolish the following subclass with its definition:

Carbocyclic or acyclic
Amines
Aromatic
Oxy
572 Oxy-amino-alkyl (e. g., ephedrine).

The patents formerly contained in this subclass have been placed in class 260, subclass 570.6, established in this order.

In *class 260, Chemistry, Carbon Compounds* (Division 6), establish the following subclasses and definitions:

Carbocyclic or acyclic
Amines
Aromatic
570.5 Non-nuclear amino
570.6 Oxy-amino-alkyl (e. g., ephedrine),
570.7 Amino-alkyl-oxy,
570.8 Amino-unsubstituted alkylene
570.9 Amino-methylene.

570.5. Compounds under subclass 568 which contain an amino group bonded to a carbon, other than a nuclear carbon, that is, a carbon present in a side chain.
Note.—For azomethines, see this class, subclass 566.

570.6. Compounds under subclass 570.5 containing an aralkyl nucleus, the alkyl side chain of which contains oxy and amino groups. The so-called "ephedrine type" compounds are placed herein.

570.7. Compounds under subclass 570.5 containing an alkoxyaryl nucleus, the alkyl portion of which contains an amino group such as, for example, phenoxyethyl amine and
$C_6H_{11}—C_6H_4—O—C_2H_4—O—C_2H_4—OC_2H_4—N(C_2H_4OH)_2$

570.8. Compounds under subclass 570.5 containing only one amino group attached to an acyclic hydrocarbon side chain, such as, for example, benzedrine, N-phenyl-phenethylamine, and
$CH_3OC_6H_4—CH_2—CHCH_3—N(CH_3)_2$

570.9. Compounds under subclass 570.8 which contain an amino attached through a methylene radical ($—CH_2—$) to a nuclear carbon atom, e. g., benzylamine, menaphthylamine, and N-benzylaniline.

The patents contained in these subclasses have been taken from class 260, subclasses 571–578, inclusive.

In *class 2, Apparel* (Division 24), main class definition, add the following notes:

(3) Note.—See class 126, STOVES AND FURNACES, subclass 204 and indented subclasses, for apparel and analogous structure combined with means to heat the same by means other than electricity.
(4) Note.—See class 219, ELECTRIC HEATING, subclass 46, for apparel and fabrics provided with electric heating means;

in subclass 69 number the existing note (*1*) and add:
(2) Note.—See class 126, STOVES AND FURNACES, subclass 204 and indented subclasses, for analogous structures having heating means other than electrical. See class 219, ELECTRIC HEATING, subclass 46, for like structures wherein the heating means is electrical;

in subclass 158 number the existing note (*1*) and add:
(2) Note.—See class 126, STOVES AND FURNACES, subclasses 204 and 206–210, for mittens provided with non-electric heating means. See class 219, ELECTRIC HEATING, subclass 46, for electrically heated mittens;

and in subclass 159 add the following note:
Note.—See class 126, STOVES AND FURNACES, subclasses 204 and 206–210, for gloves provided with non-electric heating means. See class 219, ELECTRIC HEATING, subclass 46, for electrically heated gloves.

In *class 36, Boots, Shoes and Leggings* (Division 11), subclass 2.6, add the following note:
Note.—See class 126, STOVES AND FURNACES, subclasses 204 and 206–210, for non-electrically heated foot and leg coverings not intended for use as boots or shoes. See class 219, ELECTRIC HEATING, for such devices where the heat is generated by electricity.

In *class 60, Power Plants* (Division 18), subclass 15, add the following to the subclass definition:
In some of these devices the internal-combustion motor is so designed as to deliver little or no work, its purpose being to supply exhaust-gases suitable for the driving of the fluid pressure motor.

In *class 62, Refrigeration* (Division 44), main class definition, under "Search classes" change the reference to class 252, Compositions, to read:
252—COMPOSITIONS, particularly subclass 67 and indented subclasses. Patents are placed in class 252 (1) claiming admixtures of ingredients, or claims to an old compound limited to use as a refrigerant, (2) processes of refrigeration comprising any known cycle and distinguished solely by the composition or compound used, and (3) apparatus with the composition or compound therein, when characteristics of apparatus structure are not claimed. The preceding are placed in class 252 even though the freezing or boiling points or temperatures of use are specified.

In *class 68, Textiles, Fluid Treating Apparatus* (Division 27), subclass 256, add the following note:
Note.—For emergency operated means to release closure fasteners, see class 292, CLOSURE FASTENERS, subclass 92 and indented subclasses.

In *class 75, Metallurgy* (Division 3), subclass 101, in note (1), change "267–272" to *309–312*.

In *class 101, Printing* (Division 17), subclass 127, number the existing note (*2*) and add:
(1) Note.—See class 132, TOILET, subclass 88.5, for stencils peculiarly adapted for use with toilet articles, e. g., to act as templets in the application of rouge, lipstick or nail polish.

In *class 132, Toilet* (Division 53), subclass 9, in the definition after "devices" add *and methods;* in subclass 11 add the following note:
(0.5) Note.—Continue the search in this class, subclass 45, for combs, peculiarly designed for gauging or guiding in the cutting of hair;

in subclass 50 number the existing note (*2*) and add:
(1) Note.—Devices peculiarly adapted for or combined with hairpins for storing or dispensing them and/or aiding in their handling will be found in this class, subclass 1;

and in subclass 53 number the existing note (*2*) and add:
(1) Note.—Artificial eyelashes are found here.

In *class 139, Textiles, Weaving* (Division 21), subclass 155, add the following note:
Note.—Compare with this class, subclass 252;

and in subclass 252 add the following note:
Note.—Compare with this class, subclass 155.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 56), subclass 45.9, in the reference to class 20, Wooden Buildings, after "blocks" insert *of wood, or of wood and metal*, and cancel "wooden".

In *class 214, Material or Article Handling* (Division 4), subclass 77, in the second note change the period to a comma and add *and 130 and appropriate indented subclasses;* and in subclass 130, in the third note insert after "67" *77 and appropriate indented subclass.*

In *class 215, Bottles and Jars* (Division 58), subclass 52, add the following note:
Search Classes—
217—WOODEN RECEPTACLES, subclasses 78, 79, 108 and 109.
220—METALLIC RECEPTACLES, subclass 24.5.

In *class 217, Wooden Receptacles* (Division 40), subclass 78, add the following notes:
(1) **Search this class**, subclasses 108 and 109.
(2) **Search Classes—**
215—BOTTLES AND JARS, subclass 52 and indented subclasses.
220—METALLIC RECEPTACLES, subclass 24.5;

and in subclass 108 add the following note:
Search this class, subclass 78 and see the notes thereunder.

In *class 220, Metallic Receptacles* (Division 40), subclass 24.5, add the following note:
Search Classes—
215—BOTTLES AND JARS, subclass 52 and indented subclasses.
217—WOODEN RECEPTACLES, subclasses 78, 79, 108 and 109;

and in subclass 69 cancel the definition and substitute:
69. Structures which are special to the receptacle supported and on which the receptacle rests.

In *class 250, Radiant Energy* (Division 54), subclass 41.5, in note (1) cancel "83" and substitute *83.3 and 83.6;* in subclass 42 add the following notes:
(1.3) Note.—Art apparatus and processes significantly claimed, of which the subject matter above defined is but a part, are with the appropriate art.
(1.6) Note.—The line between subclass 42 and the indented subclasses and measuring and testing apparatus and processes provided for in other classes is as follows:
This class includes:
A. Processes and apparatus for measuring and/or detecting ray energy both per se and in combination with the ray energy source.
B. Processes and apparatus for determining some characteristic of an object or material by irradiation of the same and mere measurement or detection of the rays transmitted and/or reflected thereby. The detection may be by mere visual observation of the material or object irradiated because of its fluorescence, by use of additional fluorescent of phosphorescent materials or screens, by photographic films and/or other measuring or detecting means. Such measurements or detection may include in combination therewith pretreatment solely to prepare the object or material for the radiant energy measurement or detection, such as, for example, to render selective parts of the object more or less opaque to X-rays or to render selective parts fluorescent or phosphorescent.
C. The lines with classes 88, OPTICS, and 95, PHOTOGRAPHY, will be found in other notes to this subclass (42) and to subclass 65 and indented subclasses.
The subject matter of A to C above, combined with one or more additional steps or apparatus making either a measurement or a test which is not a ray energy measurement or detection, is in some other appropriate class, of which class 73, MEASURING AND TESTING, is the generic class;

in subclass 50 number the existing note (*2*) and add:
(1) Note.—Methods and apparatus for subjecting objects and materials to electrons or ions produced by an electric space discharge device are in subclass 49.5 of this class. Subclass 49.5 includes electron microscopes;

in subclass 59 cancel the existing definition (but not the notes) and substitute:
59. Subject matter under subclass 42 for measuring a dimension of, and/or locating the position by measuring means of, an object by means of invisible rays. Such object may be embedded in a body which is opaque to visible light, but translucent to invisible ray energy;

and in subclass 83 cancel note (2) and number note (3) as (*2*).

In *class 257, Heat Exchange* (Division 32), main class definition, under "Search classes" change the note to class 252, Compositions, to read:
252—COMPOSITIONS, particularly subclasses 67 and 71 and their indented subclasses. Patents are placed in class 252 (1) claiming admixtures of ingredients, or claims to an old compound limited to use as a heat exchange agent, (2) processes of heat exchange comprising known heat exchange steps broadly recited and distinguished solely by the composition or compound used, and (3) apparatus with the composition or compound therein, where characteristics of apparatus structure are not claimed. The preceding are placed in class 252 even though freezing or boiling points or temperatures of use are specified.

In *class 260, Chemistry, Carbon Compounds* (Division 6), subclass 571, add the following note:
Note.—For oxy-amines containing a non-nuclear amino group, see this class, subclass 570.5 and indented subclasses;

in subclass 576 add the following note:
Note.—For secondary or tertiary amines containing a non-nuclear amino group, see this class, subclass 570.5 and indented subclasses;

and in subclass 578 in the definition cancel "benzylamine", and add the following note:
Note.—For primary aromatic amines containing a non-nuclear amino group, see this class, subclass 570.5 and indented subclasses; benzylamine, for example, is in subclass 570.9.

In *class 292, Closure Fasteners* (Division 20), subclass 92, add the following note:

Note.—For emergency operated means to release latches holding pressure bars on clothes wringers, see class 68, TEXTILES, FLUID TREATING APPARATUS, subclasses 261 and 263.

Transfer of Class

ORDER No. 3,545

U. S. PATENT OFFICE, *Washington, D. C., Mar. 13, 1941.*

The following transfer, effective Wednesday, March 19, 1941, is hereby ordered:

Class 124, Mechanical Guns and Projectors, from Division 22 to Division 02

CONWAY P. COE,
Commissioner.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Mar. 5, 1941.*

Bradley-Wise Paint Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Milton Bradley Company, 74 Park Street, Springfield, Mass., for registration of a trade-mark, and trade-marks registered March 1, 1927, Nos. 224,571 and 224,572, to Bradley-Wise Paint Company, 4890 Pacific Boulevard, Los Angeles, Calif. (General Paint Corporation, successor). A notice of such proceeding sent by registered mail to said Bradley-Wise Paint Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Bradley-Wise Paint Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Mar. 10, 1941.*

Reuben Wornow, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Special Formula Corporation, 845 North Arlington Avenue, East Orange, N. J., to effect the cancellation of registration No. 291,069, issued January 26, 1932, to Reuben Wornow, 176 Avenue B, New York, N. Y., and a notice of such proceeding sent by registered mail to said Reuben Wornow at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Reuben Wornow, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 1, 1941

[VOL. 525. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 436,871. NORTHWESTERN SEED GROWERS, INC., Moscow, Idaho. Filed Oct. 11, 1940.



No claim is made to the words "Brand" and "Seeds" except as shown.

FOR FIELD SEED, GRAIN SEED, GRASS SEED, CLOVER SEED, ALFALFA SEED, VEGETABLE SEED, AND FLOWER SEED.

Claims use since July 31, 1940.

CLASS 2

RECEPTACLES

Ser. No. 424,287. ALLIED PAPER BAG CORPORATION, Baltimore, Md. Filed Oct. 7, 1939.

SILVERLITE

FOR CELLOPHANE BAGS WHICH ARE SOLD IN TRADE EMPTY.

Claims use since Sept. 5, 1939.

Ser. No. 435,617. HOTCAN CORPORATION, Los Angeles, Calif. Filed Sept. 3, 1940.

Hotcan

The word "Can" is disclaimed apart from the mark.

FOR RECEPTACLES—NAMELY, CONTAINERS FOR FOOD OR OTHER SUBSTANCES, OF METAL OR PAPER OR FIBER OR OF A COMBINATION THEREOF.

Claims use since May 8, 1940.

Ser. No. 439,554. POLAROID CORPORATION, Cambridge, Mass. Filed Jan. 10, 1941.

POLAROID

FOR SMALL CASES ADAPTED TO CONTAIN FILTERS, EYEGLASSES, AND SIMILAR ARTICLES.

Claims use since November, 1935.

Ser. No. 439,714. LUELLA EAGLES, New York, N. Y. Filed Jan. 16, 1941.

Coolerette

FOR REFRIGERATOR BAGS.

Claims use since Jan. 8, 1941.

Ser. No. 440,507. HAMMOND BAG & PAPER CO., Wellsburg, W. Va. Filed Feb. 10, 1941.

"ELECTRO-VENT"

No claim is made to the word "Vent" apart from the mark.

FOR BAGS MADE FROM PAPER OR OTHER SHEET MATERIAL.

Claims use since Mar. 13, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 439,403. BIENEN-DAVIS, INC., New York, N. Y. Filed Jan. 4, 1941.

PRACTIQUE

FOR LADIES', WOMEN'S, AND MISSES' POCKETBOOKS, BAGS, AND PURSES.

Claims use since Dec. 1, 1940.

Ser. No. 439,899. THE KENTUCKY WHIP & COLLAR COMPANY, INC., Princeton, Ky. Filed Jan. 23, 1941.



The
KENTUCKY THOROUGHBRED LINE

No claim is made to the term "Kentucky" apart from the mark.
FOR HORSE COLLARS AND HARNESS.
Claims use since Sept. 15, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 428,291. ONEIDA LTD., Oneida, N. Y. Filed Feb. 6, 1940.

HEIRLOOM

FOR SILVER POLISH.
Claims use since Oct. 19, 1938.

Ser. No. 439,135. HOWARD L. WOODWARD, PETER IRVIN CLOUGH, AND LORRAINE CLOUGH, doing business as Clowood Company, Philadelphia, Pa. Filed Dec. 23, 1940.

SARO

FOR GENERAL HOUSEHOLD CLEANER HAVING INCIDENTAL DISINFECTANT PROPERTIES.
Claims use since Nov. 13, 1940.

CLASS 5

ADHESIVES

Ser. No. 424,561. STEELE & BARTELL, INC., Atlanta, Ga., assignor to Loxair, Incorporated, Fulton County, Ga. Filed Oct. 14, 1939.

LOXAIR

FOR CHEMICAL COMPOSITION FOR REPAIRING PUNCTURES.
Claims use since Apr. 15, 1939.

Ser. No. 440,528. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed Feb. 10, 1941.

WELDWOOD

FOR WATERPROOF GLUE.
Claims use since July 26, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 415,013. THE STANDARD CHEMICAL WORKS COMPANY, Columbus, Ohio. Filed Jan. 19, 1939.

STANCO

FOR SOURING AND BLUING COMPOUNDS FOR THE CLEANSING AND LAUNDERING OF FABRICS.
Claims use since Oct. 1, 1928.

Ser. No. 430,832. H. M. CHEMICAL CO., LTD., Los Angeles, Calif. Filed Apr. 16, 1940.



FOR COSMETICS—NAMELY, FACE CREAMS, LOTIONS, ROUGE, AND LIPSTICK.
Claims use since Apr. 4, 1940.

Ser. No. 431,992. WILLIAM B. COLEMAN, Bloomfield, N. J.; Laura W. Coleman, administratrix of said William B. Coleman, deceased. Filed May 16, 1940.

ASBONS

FOR MEDICINAL PREPARATION IN THE FORM OF CANDY-LIKE BODIES CONTAINING SUGAR AND CONTAINING ASPIRIN (ACETYL SALICYLIC ACID).
Claims use since June 6, 1939.

Ser. No. 432,545. O-CEDAR CORP'N, Chicago, Ill. Filed May 31, 1940.

MOTH-AWAY

FOR INSECTICIDE.
Claims use since Mar. 4, 1940.

Ser. No. 435,468. DAVID G. MILLER, Kansas City, Mo. Filed Aug. 28, 1940.



The words "Root & Herb Compound" are disclaimed apart from the mark.
FOR MEDICINE FOR RHEUMATISM, LIVER COMPLAINT, INDIGESTION, STOMACH TROUBLE, AND NERVOUS AFFECTIONS.
Claims use since Feb. 1, 1940.

Ser. No. 438,149. THE PERMA-GEL COMPANY, Washington, D. C. Filed Nov. 22, 1940.

DARI-GEL

The word "Gel" is not claimed apart from the mark.
FOR STABILIZER FOR FOOD PRODUCTS, A WATER ABSORPTION AGENT FOR FOOD PREPARATIONS, CONTAINING CONCENTRATED VEGETABLE MUCINS, DISPERSED WITH ALKALINE PHOSPHATES AND DEXTROSE.
Claims use since Sept. 30, 1940.

Ser. No. 439,234. MADELAINE, INC., Newark, N. J. Filed Dec. 27, 1940.

Spree

FOR UNDER ARM AND BODY LIQUID SPRAY DEODORANT.
Claims use since Nov. 19, 1940.

Ser. No. 439,017. AMERICAN MINERAL SPIRITS COMPANY, Chicago, Ill. Filed Jan. 24, 1941.

ROTOSOL

FOR MIXTURE OF LOW BOILING LIQUID HYDROCARBONS SUITABLE FOR USE AS A SOLVENT FOR INKS, LACQUERS, PAINTS, VARNISHES, AND FOR EXTRACTION OF LIQUIDS FROM SOLID BODIES.
Claims use since Jan. 7, 1941.

Ser. No. 439,055. ALBI CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 25, 1941.

PROTELA

FOR CHEMICAL COMPOUNDS FOR IMPREGNATING FIBROUS, CELLULOSIC, AND TEXTILE MATERIAL TO MAKE SAME MILDEW-PROOF.
Claims use since Jan. 10, 1941.

Ser. No. 440,036. OLIVETTE M. BANKS, doing business as Seven Star Botanic Drugs, Pasadena, Calif. Filed Jan. 28, 1941.



FOR TONICS FOR THE RELIEF OF RHEUMATIC PAINS IN THE BACK AND KIDNEYS, RUNDOWN SYSTEM, BILIOUSNESS, PIMPLES AND BOILS CAUSED BY IMPURE BLOOD.
Claims use since Nov. 7, 1940.

Ser. No. 440,064. SOPROCO INCORPORATED, New Orleans, La. Filed Jan. 28, 1941.

CLOPYROATE

FOR BOILER COMPOUND.
Claims use since Jan. 7, 1941.

Ser. No. 440,081. BEACON CHEMICAL CORPORATION, Philadelphia, Pa. Filed Jan. 29, 1941.

33

FOR BLEACH, GERMICIDE, AND DISINFECTANT, ALSO HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since Nov. 21, 1938.

Ser. No. 440,136. E. R. SQUIBB & SONS, New York, N. Y. Filed Jan. 30, 1941.

NATUPLEX-B

No claim is made to the vitamin designation "B" except as a part of the mark shown.
FOR VITAMINIC PREPARATIONS.
Claims use since Jan. 23, 1941.

Ser. No. 440,232. BENEDICT M. ANTONUCCI, Youngstown, Ohio. Filed Feb. 3, 1941.

ANTONUCCI
SALUGENE

The surname "Antonucci" is disclaimed apart from the mark.
FOR APPETIZER-LAXATIVE TONIC.
Claims use since Feb. 11, 1937.

Ser. No. 440,238. THE FARR COMPANY, Greeley, Colo. Filed Feb. 3, 1941.

PEAK BRAND

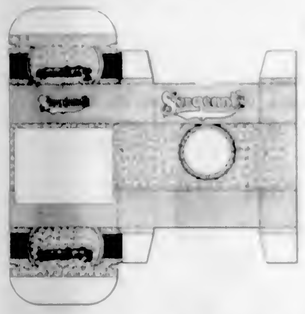


No claim is made to the word "Brand" per se.

FOR LIME SULPHUR SOLUTION USED AS A DISINFECTANT AND GERMICIDE.

Claims use since May, 1939.

Ser. No. 440,290. POLK MILLER PRODUCTS CORP., Richmond, Va. Filed Feb. 4, 1941.

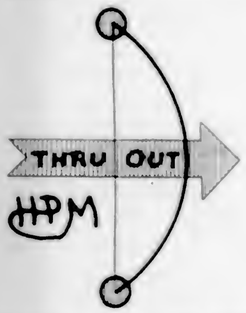


The drawing is lined for red and yellow. No claim is made to the representation of an unfolded carton.

FOR MEDICINES FOR DOGS—NAMELY, NERVE SEDATIVES, LAXATIVE TABLETS, PEPSIN AND AROMATIC TABLETS, CAPSULES, TAPEWORM MEDICINE, INTESTINAL ASTRINGENT, PUPPY CAPSULES, ARSENIC AND IRON PILLS, AND FLEA POWDER.

Claims use since Jan. 6, 1941.

Ser. No. 440,338. HARRY P. MENICH, Topeka, Kans. Filed Feb. 5, 1941.



FOR MEDICINE FOR USE IN THE TREATMENT OF ECZEMA, SKIN CANCER, ERUPTIONS AND INFECTIONS OF THE SKIN, AND HEMORRHOIDS.

Claims use since Jan. 4, 1941.

Ser. No. 440,389. ABELINO SEOANE, Denver, Colo. Filed Feb. 6, 1941.

NEW MAGIC QUICK CLICK

FOR MEDICAL PREPARATION TO BE EXTERNALLY APPLIED FOR TREATING ECZEMA, INSECT BITES, CUTS, BRUISES, SORE MUSCLES, CHAFED SKIN, HANDS, FEET, SCALES, SCABIES, PIMPLES, CRACKED AND ROUGH SKIN, AND FOR RELIEF OF BURNING AND ITCHING INCIDENT TO IRRITATED SKIN CONDITIONS.

Claims use since Jan. 25, 1941.

Ser. No. 440,505. DOROTHY GRAY SALONS, Bloomfield, N. J. Filed Feb. 10, 1941.

NOSEGAY

FOR PERFUME, TOILET WATER, EAU DE COLOGNE, DUSTING POWDER, ROUGE, LIPSTICKS, NAIL POLISH, AND VANITY CASES CONTAINING ROUGE AND/OR LIPSTICKS.

Claims use on perfume since Apr. 14, 1938; on dusting powder since Aug. 4, 1939; on toilet water since Sept. 18, 1939; on eau de cologne since Oct. 4, 1940; on lipsticks since Dec. 11, 1940; on nail polish since Dec. 17, 1940; on rouge since Dec. 19, 1940; and on vanity cases since Dec. 23, 1940.

Ser. No. 440,543. MILTON BROWN, doing business as Lactra Tooth Paste Co., New York, N. Y. Filed Feb. 11, 1941.

LACTRA

FOR TOOTH PASTE AND TOOTH POWDER.

Claims use since Dec. 26, 1940.

Ser. No. 440,560. MILLER CHEMICAL & FERTILIZER CORPORATION, Baltimore, Md. Filed Feb. 11, 1941.

Copoloid

FOR COLLOID COPPER FUNGICIDE.

Claims use since Mar. 1, 1939.

Ser. No. 440,590. HAAS-MILLER CORP., Philadelphia, Pa. Filed Feb. 12, 1941.

STEARAMINE

FOR COMPOUND USED FOR SOFTENING, FILLING AND WEIGHTING OF COTTON FABRICS IN THE FINISHING OPERATION.

Claims use since Jan. 29, 1941.

Ser. No. 440,592. J. L. HOFFMAN COMPANY, INC., Allentown, Pa. Filed Feb. 12, 1941.

ANHYDE

FOR CHEMICAL MIXTURE DESIGNED TO BE USED BY HUMANS AS A LOCAL ANTISEPTIC, FOOT BATH, DOUCHE, ETC.

Claims use since Feb. 7, 1941.

Ser. No. 440,644. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill. Filed Feb. 14, 1941.

GEM



FOR LIGHTER FLUID.

Claims use since Oct. 26, 1940.

Ser. No. 440,696. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

BRUMBIN

FOR ANALGESIC AND SEDATIVE TABLET.

Claims use since Oct. 23, 1937.

Ser. No. 440,697. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

CONDOCHIN

FOR ANTI-DIARRHOIC PREPARATION.

Claims use since Mar. 17, 1930.

Ser. No. 440,699. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

DROLANI

FOR VERMIFUGE.

Claims use since Mar. 17, 1930.

Ser. No. 440,702. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

VALIBON

FOR APHRODISIAC TABLET.

Claims use since Feb. 10, 1937.

Ser. No. 440,769. AMERICAN ANODE INC., Wilmington, Del., and Akron, Ohio. Filed Feb. 19, 1941.

ANODIZER

FOR AQUEOUS DISPERSIONS OF SYNTHETIC RUBBER COMPOUNDS, BOTH ALONE AND IN AN ADMIXTURE WITH NATURAL RUBBER DISPERSIONS.

Claims use since Feb. 11, 1941.

Ser. No. 440,780. FOLEY AND COMPANY, Chicago, Ill. Filed Feb. 19, 1941.

S-KAPE

FOR INSECT REPELLENT AND SUNBURN PREVENTIVE.

Claims use since Feb. 14, 1941.

Ser. No. 440,827. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 20, 1941.

FERNESIA

FOR ACID NEUTRALIZING ASTRINGENT AND HEMATINIC.

Claims use since Feb. 4, 1941.

CLASS 7

CORDAGE

Ser. No. 439,095. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Dec. 23, 1940.

Wishmakers HOUSE

FOR MIRROR AND PICTURE CORDS.

Claims use since October, 1938.

Ser. No. 439,321. VAN RIPER SCHMITT & CO. INC., New York, N. Y. Filed Dec. 31, 1940.

MOGUL



The portrait is fanciful.

FOR COTTON TWINES, SASH CORD, CLOTHES LINES, AND LIGHT WRAPPING TWINES MADE OF COTTON, JUTE, OR SISAL FIBRES.

Claims use since Sept. 1, 1930.

Ser. No. 439,322. VAN RIPER SCHMITT & CO., INC., New York, N. Y. Filed Dec. 31, 1940.



FOR COTTON TWINES, SASH CORD, CLOTHES LINES, AND LIGHT WRAPPING TWINES MADE OF COTTON, JUTE, OR SISAL FIBRES.
Claims use since Feb. 25, 1933.

CLASS 10

FERTILIZERS

Ser. No. 438,449. THE PHOSPHATE MINING COMPANY, New York, N. Y. Filed Dec. 2, 1940.



FOR FERTILIZERS AND FERTILIZER MATERIALS.
Claims use since Nov. 27, 1940.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 437,384. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940.

SAFE-TEE BRAND

The word "Brand" is not claimed as a part of the mark.
FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since Mar. 6, 1923.

Ser. No. 437,385. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Oct. 29, 1940.

SILKEE-LOX

The word "Silk" is not claimed as a part of the mark.
FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since Apr. 7, 1937.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 436,558. THE ARTKRAFT SIGN COMPANY, Lima, Ohio. Filed Oct. 2, 1940.

GALV-WELD

The word "Weld" is disclaimed apart from the mark.
FOR FRAMEWORKS FOR DISPLAY SIGNS OR ANY OTHER STRUCTURES CONTAINING METAL PARTS WELDED TOGETHER SUCH AS NEON AND STORE FRONT SIGNS, WINDOW AND COUNTER SIGNS OF ALL TYPES, ROOF DISPLAYS, PREFABRICATED MARQUEES, CHANGEABLE LEATHER, POSTER FRAMES, BUILDING FRONTS AND SHIPS CONSTRUCTION, ETC.
Claims use since Sept. 1, 1940.

Ser. No. 439,836. SEAMAN PAPER COMPANY, Chicago, Ill. Filed Jan. 21, 1941.

KWILKO

FOR KAPOK BATTING FOR SOUND-DEADENING AND THERMAL INSULATION.
Claims use since May 8, 1939.

Ser. No. 439,837. SEAMAN PAPER COMPANY, Chicago, Ill. Filed Jan. 21, 1941.

SKYFELT

FOR KAPOK FELT FOR SOUND-DEADENING AND THERMAL INSULATION.
Claims use since Nov. 6, 1939.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 433,467. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill. Filed June 28, 1940.



The words "Maid," "Cast," and "Aluminum" are disclaimed except in association with the remainder of the mark.
FOR COOKING UTENSILS COMPOSED OF ALUMINUM ALLOY—TO-WIT, SAUCE PANS, PANCAKE GRIDDLES, DUTCH OVENS, PRESERVING KETTLES, FRENCH ROASTERS, TEA KETTLES, DRIP COFFEE MAKERS, AND OMELET PANS.
Claims use since Oct. 1, 1937.

Ser. No. 438,855. SWAN FASTENER CORPORATION, New York, N. Y., and Philadelphia, Pa. Filed Dec. 14, 1940.



FOR SLIDE FASTENERS.
Claims use since December, 1934.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 432,053. UNITED METALS REFINING COMPANY, Detroit, Mich. Filed May 17, 1940.



The representation of the goods is disclaimed apart from the mark.
FOR NON-FERROUS METALS.
Claims use since Jan. 30, 1940.

Ser. No. 437,281. JESSOP STEEL COMPANY, Washington, Pa. Filed Oct. 25, 1940.

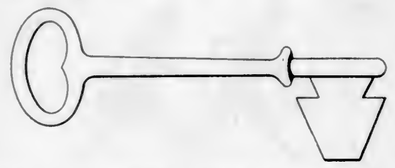


The words "Made in America," "Fine Steels," and "Washington, Pa.," are disclaimed apart from the mark.
FOR TOOL STEEL, CUTLERY STEEL, STAINLESS AND ALLOY STEEL, SAW STEELS, IN INGOTS, BILLETS, PLATE, SHEET, HOT ROLLED AND COLD ROLLED STRIP AND BAR FORM.
Claims use since May 1, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 439,870. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed Jan. 22, 1941.



FOR LUBRICANTS, COMPRISING OILS AND GREASES.
Claims use since Jan. 17, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 438,462. WOOD TREATING CHEMICALS CO., St. Louis, Mo. Filed Dec. 2, 1940.



The word "Seal" is disclaimed apart from the mark.
FOR PENETRATING, WATER REPELLENT, WOOD PRESERVATIVE STAIN-SEALER.
Claims use since Nov. 1, 1940.

Ser. No. 439,031. ALLEN L. STEELE, doing business as Steele Mfg. Co., New Orleans, La. Filed Dec. 19, 1940.

GENUINE

OLD-FRENCH

"CLEANS AS IT POLISHES"



No claim is made to the wording apart from the mark.
FOR FURNITURE POLISH.
Claims use since May 1, 1939.

Ser. No. 439,550. E. B. PALMER, Stephenville, Tex. Filed Jan. 10, 1941.



No claim is made to the words "Safety System" apart from the mark.
FOR READY MIXED PAINTS.
Claims use since June 16, 1940.

Ser. No. 439,710. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill. Filed Jan. 15, 1941.

Preserva-Seal

The word "Seal" is disclaimed apart from the mark.
FOR STAIN AND FILLER FOR WOOD FLOORS AND THE LIKE.
Claims use since Aug. 9, 1933.

Ser. No. 439,790. ARCHER-DANIELS-MIDLAND COMPANY, Minneapolis, Minn. Filed Jan. 21, 1941.

ARCHER-DANIELS-MIDLAND

FOR SOYBEAN AND LINSEED OIL USED IN PAINTS AND VARNISHES.
Claims use since February, 1928.

Ser. No. 440,663. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J. Filed Feb. 14, 1941.

Emycel

FOR PASTE AND READY-MIXED PAINTS, LACQUERS, AND PAINT ENAMELS.
Claims use since Jan. 3, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 437,494. ARANGO Y ARANGO, Tampa, Fla. Filed Nov. 2, 1940.

DON PANCHO
DE LUXE



FOR CIGARS.
Claims use since 1922.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 420,195. WESTERN TIRE AUTO STORES, Chicago, Ill. Filed June 5, 1939.

Endura-Tone

The word "Tone" is disclaimed apart from the mark.
FOR RADIO RECEIVING SETS.
Claims use since Apr. 1, 1939.

CLASS 22

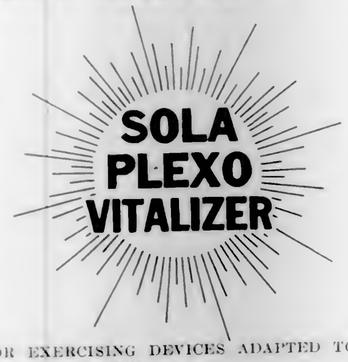
GAMES, TOYS, AND SPORTING GOODS

Ser. No. 436,334. ADOLPH BLAICH, INC., San Francisco, Calif. Filed Sept. 25, 1940.



No claim is made to the term "Cuttyhunk" apart from the mark.
FOR FISHING LINES.
Claims use since Mar. 1, 1940.

Ser. No. 440,025. SOLA PLEXO VITALIZER CORPORATION, Rockford, Ill. Filed Jan. 27, 1941.



FOR EXERCISING DEVICES ADAPTED TO CONTACT THE ABDOMEN.
Claims use since Jan. 18, 1941.

Ser. No. 440,111. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Jan. 30, 1941.

ARGENTINA BANCO

The word "Argentina" is disclaimed apart from the mark.
FOR TABLE GAME.
Claims use since Oct. 28, 1940.

Ser. No. 440,286. PERCY FRIEDMAN, Yeadon, Pa. Filed Feb. 4, 1941.

"LUCKY 13"

FOR QUESTION AND ANSWER GAME.
Claims use since Nov. 20, 1940.

Ser. No. 440,373. THE LINEN THREAD CO., INC., New York, N. Y. Filed Feb. 6, 1941.

CHAMPION

FOR TENNIS NETS AND THE CABLE RECEIVING TOP BANDS OR BINDINGS OF TENNIS NETS.
Claims use since Jan. 16, 1941.

Ser. No. 440,707. A. G. SPALDING & BROS. INC, Chicopee, Mass. Filed Feb. 15, 1941.

TRU-FLITE

FOR BADMINTON SHUTTLECOCKS.
Claims use since Aug. 20, 1940.

Ser. No. 440,771. BEAL'S GAMES, INC., New York, N. Y. Filed Feb. 19, 1941.

PADMINTON

FOR GAME PLAYED WITH PADDLES AND A SHUTTLECOCK.
Claims use since Nov. 19, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.

Ser. No. 413,082. SCHICK DRY SHAVER, INC., Stamford, Conn. Filed Nov. 23, 1938.

Colonel

FOR ELECTRIC SHAVING MACHINES AND SHAVING HEADS FOR SHAVING MACHINES.
Claims use since Oct. 15, 1938.

Ser. No. 420,425. OTTO C. NOLTE, doing business as Dry Placer Machine Company, Deer Lodge, Mont. Filed June 12, 1939.

WHIRLWIND
AIR
GOLD

FOR MACHINE FOR SEPARATING GOLD PARTICLES FROM COMMINUTED MATERIAL BY USE OF A FORCEFUL CURRENT OF AIR.
Claims use since Mar. 1, 1937.

Ser. No. 427,198. PERCY R. FINCH, Chicago, Ill. Filed Jan. 6, 1940.

HELEXEL

FOR MUFFLERS, NOISE ELIMINATORS AND DEVICES FOR CONTROLLING EXHAUST FOR INTERNAL COMBUSTION ENGINES AND LIKE EXPLOSIVE MACHINERY.
Claims use since Nov. 15, 1939.

Ser. No. 432,694. E. PAILLARD & CIE., SOCIETE ANONYME, Yverdon, Switzerland. Filed June 5, 1940.

Bolex

FOR TYPEWRITING MACHINES AND PARTS OF THE SAME.
Claims use since Apr. 14, 1939.

Ser. No. 433,846. ACME STEEL COMPANY, Chicago, Ill. Filed July 11, 1940.

SilverStitcher

No claim is made to the word "Stitcher" apart from the mark.
FOR WIRE STITCHING MACHINES.
Claims use since May 13, 1940.

Ser. No. 437,975. STERLING PUMP CORPORATION, Hamilton, Ohio. Filed Nov. 16, 1940.

ROTO-FLO

FOR PUMPS AND PUMP AND PRESSURE TANK WATER SUPPLY UNITS.
Claims use since July 1, 1940.

Ser. No. 439,195. RICHARD E. DRACHENBERG, doing business as Drachenberg Products Manufacturing Company, Detroit, Mich. Filed Dec. 26, 1940.

JUICEX

FOR MACHINES AND PARTS THEREOF FOR EXTRACTING JUICE FROM VEGETABLES AND FRUIT.
Claims use since Mar. 1, 1937.

Ser. No. 439,957. E. C. ATKINS AND COMPANY, Indianapolis, Ind. Filed Jan. 25, 1941.

A-MOL

FOR HACK SAW BLADES.
Claims use since May 20, 1937.

Ser. No. 440,002. GENERAL REGISTER CORPORATION, New York, N. Y. Filed Jan. 27, 1941.

GENISTER

FOR TICKET AND COUPON ISSUING MACHINES, SLOT VENDING MACHINES.
Claims use since Dec. 26, 1940.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 440,768. ALTORFER BROS. COMPANY, Peoria, Ill. Filed Feb. 19, 1941.

HYDROMATIC

FOR LAUNDRY WASHING MACHINES.
Claims use since Feb. 13, 1941.

Ser. No. 440,837. THE SUNLITE MFG. COMPANY, Milwaukee, Wis. Filed Feb. 20, 1941.

Silver Seal

FOR IRONING PADS.
Claims use since Apr. 18, 1940.

Ser. No. 440,838. THE SUNLITE MFG. COMPANY, Milwaukee, Wis. Filed Feb. 20, 1941.



The drawing is lined for blue and silver.
FOR IRONING PADS.
Claims use since Oct. 22, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 430,620. MIMOSA AMERICAN CORPORATION, New York, N. Y. Filed Apr. 10, 1940.

RIFAX

FOR CAMERAS.
Claims use since July, 1937.

Ser. No. 439,982. ROBERT WILSON ALLEN, doing business as Reelife Motion Pictures, Indianapolis, Ind. Filed Jan. 27, 1941.

REELIFE *"You are the Stars"*

FOR MOTION PICTURE FILMS.
Claims use since Nov. 27, 1940.

Ser. No. 439,991. BITCO, INC., Wallace, Idaho. Filed Jan. 27, 1941.

BITCO

FOR DRILL BIT GAUGES, DRILL BIT GAUGING MACHINERY, DRILL GAUGES, DIAMETER GAUGING MACHINES FOR BITS, AND HEIGHT GAUGING MACHINERY FOR BITS.
Claims use since Dec. 1, 1938.

Ser. No. 440,034. AMERICAN SPECTACLE CO., INC., New York, N. Y. Filed Jan. 28, 1941.

EMERLITE

FOR SPECTACLES AND GOGGLES AND LENSES THEREFOR.
Claims use since Mar. 27, 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 439,663. THE PENNWOOD COMPANY, Pittsburgh, Pa. Filed Jan. 14, 1941.

NUMECHRON

FOR CLOCKS.
Claims use since Sept. 1, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 439,866. SOPHIE GONCZI, New York, N. Y. Filed Jan. 22, 1941.

PRESERVATORE

No claim is made to the word "Preservatore" apart from the mark.
FOR RESERVE COMPARTMENT TRAYS FOR REFRIGERATORS.
Claims use since Dec. 18, 1940.

Ser. No. 440,691. MCCRAY REFRIGERATOR COMPANY, Kendallville, Ind. Filed Feb. 15, 1941.

Koldflo

FOR REFRIGERATOR COILS.
Claims use since Nov. 1, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 440,244. H. GOODMAN INC., Cleveland, Ohio. Filed Feb. 3, 1941.

Sleep Symphony

FOR MATTRESSES, BOX SPRINGS, AND STUDIO COUCHES.
Claims use since Jan. 6, 1941.

Ser. No. 440,624. GRAND RAPIDS FURNITURE MAKERS GUILD, Grand Rapids, Mich. Filed Feb. 13, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Guild-House

FOR WOODEN AND UPHOLSTERED FURNITURE, INCLUDING BEDS, DRESSERS, TABLES, MIRRORS, STOOLS, CHAIRS, HIGHBOYS, LOWBOYS, SIDEBOARDS, CHINA CABINETS, DAVENPORTS, LOVE SEATS, SOFAS, CHAISE LOUNGES, DESKS, CABINETS, CHESTS, CONSOLES, WINDOW SEATS, HASSOCKS, LAMP STANDS, TEA CARTS, BOOK CABINETS, DAYBEDS, AND HOPE CHESTS.
Claims use since Jan. 25, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 428,267. UNION ASBESTOS & RUBBER COMPANY, Chicago, Ill. Filed Feb. 5, 1940.

UNARCO

FOR ASBESTOS PACKING, WITH OIL, RUBBER, OR COMBINATION IMPREGNATION; ASBESTOS SHEET GASKET MATERIAL; ASBESTOS GASKET TAPE FOR LOCOMOTIVE FRONT END PLATES; AND BRAKE LINING, WOVEN, OR MOLDED TYPE.
Claims use since Dec. 1, 1918.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 431,131. THOMAS J. VALENTINO, New York, N. Y. Filed Apr. 23, 1940.

MAJOR

FOR DISK SOUND RECORDS.
Claims use since March, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 436,549. PAPER MILLS AGENCY OF OREGON INCORPORATED, Portland, Oreg. Filed Oct. 1, 1940.

CITY OF ROSES BOND

The word "Bond" is disclaimed apart from the mark.
FOR PAPER PRODUCTS—PARTICULARLY, PAPER WATER MARKS, PAPER NAPKINS, AND BOND PAPER.
Claims use since Sept. 25, 1940.

Ser. No. 437,040. KURTZ BROS., INC., Clearfield, Pa. Filed Oct. 17, 1940.

ECLIPSE

FOR PENCIL TABLETS, COMPOSITION BOOKS, NOTE BOOKS, SPELLING BLANKS, COMPOSITION PAPER, PRACTICE PAPER, AND PEN TABLETS.
Claims use since Dec. 12, 1938.

Ser. No. 438,806. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Dec. 13, 1940.

INTERNATIONAL OFFSET

The word "Offset" is disclaimed apart from the mark.
FOR PRINTING PAPER.
Claims use since Nov. 26, 1940.

Ser. No. 438,844. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed Dec. 14, 1940.

Albanene

FOR TRACING PAPER.
Claims use since Dec. 5, 1938.

Ser. No. 439,609. UNITED WALL PAPER FACTORIES, INC., Chicago, Ill. Filed Jan. 11, 1941.

Uni-TRIM

Applicant disclaims the word "Trim" apart from the mark.
FOR WALL PAPER.
Claims use since Sept. 27, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 439,357. THE NEWSPAPER PM, INC., New York, N. Y. Filed Jan. 2, 1941.

RICE
AND OLD SHOES

FOR COLUMN IN A DAILY NEWSPAPER.
Claims use since Oct. 17, 1940.

Ser. No. 439,366. ROW, PETERSON & COMPANY, Evanston, Ill. Filed Jan. 2, 1941.

UNITEXT

Applicant disclaims the word "Text" apart from the mark.
FOR BOOKS.
Claims use since Jan. 2, 1940.

Ser. No. 439,396. THE HOLLYWOOD STAR, New York, N. Y. Filed Jan. 3, 1941.

THE HOLLYWOOD STAR

No claim is made to the geographical term "Hollywood" apart from the mark.
FOR TABLOID NEWSPAPER.
Claims use since Oct. 17, 1940.

Ser. No. 439,513. THE FISHERY REPORTER COMPANY, Philadelphia, Pa. Filed Jan. 9, 1941.

THE National FISHERY REPORTER

The word "Fishery" is disclaimed apart from the mark.
FOR WEEKLY NEWSPAPER.
Claims use since Dec. 14, 1940.

Ser. No. 439,604. ROW, PETERSON & COMPANY, Evanston, Ill. Filed Jan. 11, 1941.

ROW-PETERSON UNITEXT

Applicant disclaims the word "Text" apart from the mark.
FOR BOOKS.
Claims use since Jan. 2, 1940.

Ser. No. 439,655. DON C. HAYMAN, Uniontown, Pa. Filed Jan. 14, 1941.

The JUNIOR REPORTER - CLUB -

FOR NEWSPAPER COLUMN.
Claims use since July 8, 1940.

CLASS 39

CLOTHING

Ser. No. 409,432. MORRIS SHOE CO., INC., New York, N. Y. Filed Aug. 10, 1938.

MED-I-CO

The word "Medico" is disclaimed apart from the mark.
FOR SHOES MADE OF LEATHER, FABRIC AND/OR COMBINATIONS OF THE SAME.
Claims use since July 25, 1938.

Ser. No. 436,467. FREEMAN SHOE CORPORATION, Beloit, Wis. Filed Sept. 28, 1940.

Bootmaker Guild

The term "Bootmaker Guild" is disclaimed apart from the mark.
FOR BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, AND CHILDREN.
Claims use since Sept. 16, 1940.

Ser. No. 438,316. SCHLEIFER & LUBELL, INC., New York, N. Y. Filed Nov. 28, 1940.

MARGERY DAW

The mark consists of the name of a well known Mother Goose character.
FOR GIRLS' DRESSES, PLAY SUITS, BLOUSES, AND OUTER SKIRTS.
Claims use since Sept. 5, 1939.

Ser. No. 438,948. KAHN MFG. CO., Mobile, Ala. Filed Dec. 17, 1940.

Style-Rite Clothes
TAILORED BY
KAHN MFG. CO.

All wording except "Rite" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' SUITS AND MEN'S AND BOYS' TROUSERS.
Claims use since May 1, 1940.

Ser. No. 439,461. EDISON BROTHERS STORES, INC., St. Louis, Mo. Filed Jan. 7, 1941.

CALIFORNIA
SUN-KICKS

No claim is made to the word "California" apart from the mark.
FOR LADIES' SHOES OF LEATHER AND FABRIC AND/OR COMBINATIONS OF SAME.
Claims use since Oct. 1, 1940.

Ser. No. 439,489. MITCHELL & WEBER, INC., New York, N. Y. Filed Jan. 8, 1941.

Mail Box Pocket

No claim is made to the word "Pocket" apart from the mark.
FOR LADIES' AND MISSES' BLOUSES, DRESSES, HOUSECOATS, SUITS, JACKETS, SKIRTS, PAJAMAS, CULOTTES, COATS, AND SLACKS.
Claims use since June, 1940.

Ser. No. 439,551. ANN PHILLIPS, doing business as A. Phillips, New York, N. Y. Filed Jan. 10, 1941.

Phillis-Ann

FOR LADIES' ORNAMENTAL COLLARS AND CUFFS.
Claims use since Dec. 16, 1940.

Ser. No. 439,651. THE H. W. GOSSARD CO., Chicago, Ill. Filed Jan. 14, 1941.

Gala-Net

The word "Net" is disclaimed apart from the mark.
FOR CORSETS, GIRDLES, STEP-IN CORSETS, PANTIES, AND COMBINATION CORSETS AND BRASSIÈRES.
Claims use since Dec. 23, 1940.

Ser. No. 439,656. HUISKAMP BROTHERS CO., Keokuk, Iowa, Filed Jan. 14, 1941.

POW WOW

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRICS, AND COMBINATIONS OF THE SAME.
Claims use since Dec. 16, 1940.

Ser. No. 439,747. BUCKINGHAM & HECHT, San Francisco, Calif. Filed Jan. 17, 1941.

BUCKHECT
INDIAN TAN
SHU-LOG
DOUBLE BREASTED

The words "Tan" and "Shu" are disclaimed apart from the mark.
FOR MEN'S LEATHER BOOTS AND SHOES.
Claims use since Dec. 19, 1940.

Ser. No. 439,776. KAMBER & MASKET, INC., New York, N. Y. Filed Jan. 18, 1941.

IN-O-GRIP

No claim is made to the word "Grip" apart from the mark.

FOR SPORTSWEAR—NAMELY, SLACKS AND SKIRTS FOR WOMEN, MISSES, AND GIRLS.

Claims use since October, 1940.

Ser. No. 440,123. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Filed Jan. 30, 1941.

TABARIN

FOR HOSIERY.

Claims use since Jan. 27, 1941.

Ser. No. 440,124. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Filed Jan. 30, 1941.



FOR HOSIERY.

Claims use since Jan. 27, 1941.

Ser. No. 440,225. TRUVAL MANUFACTURERS, INC., New York, N. Y. Filed Feb. 1, 1941.

SKADS

FOR PAJAMAS FOR MEN AND YOUNG MEN.

Claims use since Jan. 23, 1941.

Ser. No. 440,411. ESSLEY SHIRT COMPANY, INC., New York, N. Y. Filed Feb. 7, 1941.

Essley

FOR PAJAMAS FOR MEN AND YOUNG MEN.

Claims use since Jan. 20, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 434,293. S & G RUBBER COMPANY, INC., New York, N. Y. Filed July 24, 1940.



Applicant disclaims the picture of the comb except as shown.

FOR RUBBER COMBS.

Claims use since 1885.

Ser. No. 439,532. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed Jan. 10, 1941.

TONEWOOD

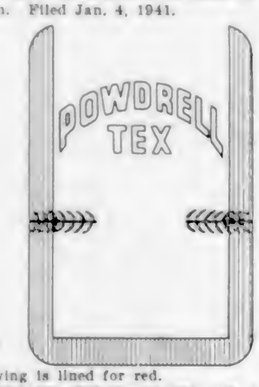
FOR CROCHET HOOKS AND KNITTING NEEDLES.

Claims use since Oct. 1, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 439,416. POWDRELL & ALEXANDER, INC., Danielson, Conn. Filed Jan. 4, 1941.



The drawing is lined for red.

FOR CURTAIN PIECE GOODS OF ALL-COTTON KNITTED LACE

Claims use since Dec. 27, 1940.

Ser. No. 439,811. GOODALL WORSTED COMPANY, Sanford, Maine. Filed Jan. 21, 1941.

Sanvale
Civilian Service Cloth

Applicant disclaims the words "Civilian Service Cloth" apart from the mark.

FOR PIECE GOODS MADE FROM THE FOLLOWING MATERIALS AND/OR COMBINATIONS THEREOF: ANIMAL FIBERS, SUCH AS MOHAIR, WOOL, AND SILK; VEGETABLE FIBERS, SUCH AS COTTON AND LINENS; ALSO SYNTHETICS.

Claims use since Nov. 1, 1940.

Ser. No. 439,935. LANSBURGH & BRO., Washington, D. C. Filed Jan. 24, 1941.

LADY LANCO

FOR SHEETS, PILLOW CASES, BLANKETS, COMFORTS, SPREADS, TOWELS, CURTAINS.

Claims use since Feb. 1, 1940.

Ser. No. 440,016. MORRIS & COMPANY, INCORPORATED, Baltimore, Md. Filed Jan. 27, 1941.

Pebbleskin

FOR WOOL, SILK, COTTON, AND RAYON PIECE GOODS.

Claims use since Sept. 1, 1940.

Ser. No. 440,041. CHARMETTE FABRICS CO., INC., New York, N. Y. Filed Jan. 28, 1941.

CHARMCETA

FOR PLAIN AND PRINTED RAYON AND ACETATE CLOTH IN THE PIECE.

Claims use since Nov. 18, 1940.

Ser. No. 440,145. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 31, 1941.

CELAMESH

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.

Claims use since Jan. 24, 1941.

Ser. No. 440,146. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 31, 1941.

CELASCREEN

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.

Claims use since Jan. 24, 1941.

Ser. No. 440,147. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 31, 1941.

CELASQUARE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.

Claims use since Jan. 24, 1941.

Ser. No. 440,148. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 31, 1941.

CELSHIRE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.

Claims use since Jan. 24, 1941.

Ser. No. 440,155. COHN-HALL-MARX CO., New York, N. Y. Filed Jan. 31, 1941.

Electraspun

FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS.

Claims use since Jan. 2, 1941.

Ser. No. 440,160. ELIAS A. HAMRAH, doing business as Alex J. Hamrah Sons Co., New York, N. Y. Filed Jan. 31, 1941.

Lazy Lady

FOR TOWELS.

Claims use since Sept. 1, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 429,157. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Mar. 4, 1940.

H. F. CORD

The word "Cord" is disclaimed apart from the mark.

FOR THREAD.

Claims use since Jan. 30, 1924.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 436,484. JULIUS SCHMID, INCORPORATED, New York, N. Y. Filed Sept. 28, 1940.



FOR PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.

Claims use since Oct. 19, 1937.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 439,490. CARL O. PINCKARD, doing business as Tropical Fruit Products Company, St. Louis, Mo. Filed Jan. 8, 1941.

PAW-VA

FOR FRUIT JUICES AND CONCENTRATES THEREOF FOR MAKING MALTLESS NON-ALCOHOLIC DRINKS.
Claims use since Sept. 15, 1940.

Ser. No. 440,015. MID-CITY WHOLESALE GROCERS, INC., Cicero, Ill. Filed Jan. 27, 1941.

Security

FOR GRAPE JUICE, APPLE CIDER, AND NON-ALCOHOLIC, NON-CEREAL, MALTLESS CARBONATED BEVERAGES SOLD AS SOFT DRINKS.
Claims use since June, 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 402,307. MIDLAND COOPERATIVE DAIRY ASSOCIATION, Shawano, Wis., and New York, N. Y. Filed Jan. 25, 1938.

DariCan EVAPORATED MILK

The words "Evaporated Milk" and "Can" are disclaimed apart from the mark.
FOR CANNED EVAPORATED MILK.
Claims use since Dec. 30, 1937.

Ser. No. 414,618. FRANK BELMONTE, doing business as Granada Packing House, Alhambra, Calif. Filed Jan. 9, 1939.

SANTA ANITA

FOR FRESH CITRUS FRUITS
Claims use since November, 1934.

Ser. No. 432,293. BASIC FOODS SALES CORP., Jersey City, N. J. Filed May 24, 1940.

"A CAKE SELLS NO BETTER THAN THE ICING THAT COVERS IT"

No claim is made to the term "Icing" apart from the mark.
FOR ICING FOR CAKES AND COOKIES.
Claims use since May 20, 1940.

Ser. No. 432,882. H. A. WELTNER, Los Angeles, Calif. Filed June 10, 1940.



FOR SINGLE PREPARATION USED FOR DESSERTS PIE-FILLINGS, BREAD SPREADS, AND SALAD DRESSINGS.
Claims use since Sept. 1, 1935.

Ser. No. 433,561. FILICE AND PERRELLI CANNING COMPANY, INCORPORATED, Richmond, Calif. Filed July 1, 1940.

D-MAND DEMAND

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, CANNED TOMATO SAUCE, CANNED FRUITS FOR SALAD AND CANNED FRUIT COCKTAIL.
Claims use since 1933.

Ser. No. 434,560. MARCIA GARRICK, New City, N. Y. Filed Aug. 1, 1940.

HERBRIETIES

FOR SPICES, HERBS FOR CULINARY PURPOSES, WINE VINEGAR WITH HERB BOUQUET, HERBED GRAPE CATSUP, TOMATO MARMALADE WITH BASIL, TOMATO AND BASIL RELISH, COCKTAIL ARTICHOKES, ARTICHOKE RELISH, HERBED HICKORY SALT, PEAR CHIPS WITH LEMON BALM, PEAR SYRUP, CRYSTALLIZED MINT LEAVES, HERBED MUSTARD SAUCE, CURRIED STRING BEANS, TOMATO AND APPLE RELISH, VEGETABLE CAVIAR, CHUTNEY, HERBED SOUP, AND HERBED JELLY.
Claims use since May 15, 1940.

Ser. No. 436,033. ANDREW SPIRA, doing business as Spira & Co., New York, N. Y. Filed Oct. 3, 1940.

SPIRAL

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CONDIMENTS—NAMELY, CHILI SAUCE, MAYONNAISE, MUSTARD, VINEGAR, CATSUP, PEPPER, SALAD OIL, DRIED EVAPORATED FRUITS, AND RAISINS.
Claims use since Sept. 3, 1940.

Ser. No. 437,428. FREDERICK A. J. ZEIDLER, Toronto, Ontario, Canada. Filed Oct. 30, 1940.

Nutrim

FOR PREPARED CEREAL FOOD FOR INFANTS AND INVALIDS OR FOR GENERAL USE.
Claims use since Oct. 1, 1940.

Ser. No. 437,519. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Nov. 2, 1940.

OCEAN GEM

FOR CANNED TUNA FISH AND SALMON.
Claims use since Jan. 1, 1902.

Ser. No. 437,620. WILLIAM J. GRUBER, New Orleans, La. Filed Nov. 6, 1940.

MEAL A MINIT

No claim is made to the word "Meal" apart from the mark.
FOR SANDWICHES, PICKLE RELISH, MAYONNAISE SAUCE, AND PICKLES.
Claims use since Sept. 25, 1940.

Ser. No. 437,973. A. RUSSO & CO., INC., Chicago, Ill. Filed Nov. 16, 1940.

FRESCO

FOR ALIMENTARY PASTES, EDIBLE OIL, AND CANNED VEGETABLES.
Claims use since May 27, 1940.

Ser. No. 438,536. FRIDAY CANNING CORPORATION, New Richmond, Wis. Filed Dec. 5, 1940.



PEA KING

No claim is made to the word "Pea" apart from the mark.
FOR CANNED PEAS.
Claims use since Nov. 11, 1940.

Ser. No. 438,582. DAVID PENDER GROCERY COMPANY, Norfolk, Va. Filed Dec. 6, 1940.

TRIANGLE

PENDER STORES

FOR BUTTER, OLEOMARGARINE, SALAD DRESSING, SANDWICH SPREAD, MAYONNAISE, VEGETABLE RELISH, MUSTARD, PICKLES, AND RELISH SPREAD OF A PASTY NATURE, USED FOR SPREADING OVER MEATS, VEGETABLES, SANDWICHES, AND OTHER ARTICLES OF FOOD.
Claims use since Aug. 1, 1940.

Ser. No. 438,600. WITWER GROCER COMPANY, doing business as Sala Dress Co., Cedar Rapids, Iowa. Filed Dec. 6, 1940.

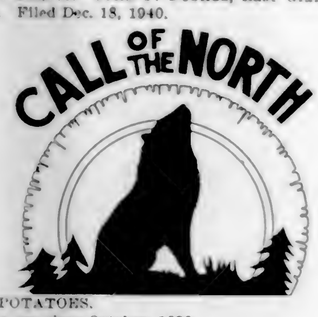
SNAPPEE



HORSERADISH SPREAD

No claim is made to the words "Horseradish Spread" apart from the mark.
FOR HORSERADISH SPREAD.
Claims use since Oct. 15, 1940.

Ser. No. 438,975. JOHN P. BUSHEE, East Grand Forks, Minn. Filed Dec. 18, 1940.



FOR POTATOES.
Claims use since October, 1939.

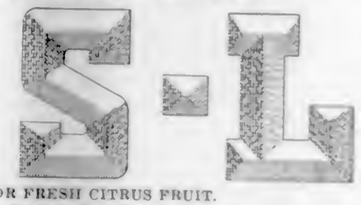
Ser. No. 439,342. HORLICK'S MALTED MILK CORPORATION, Racine, Wis. Filed Jan. 2, 1941.

HORLICK'S



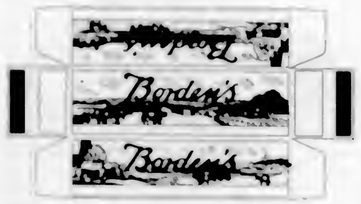
Applicant is the owner of trade-mark registrations Nos. 105,593 and 115,965, both effected under the 10-year proviso.
FOR MALTED MILK.
Claims use since Nov. 28, 1940.

Ser. No. 439,498. SUNLAND PACKING HOUSE COMPANY, Sunland, Calif. Filed Jan. 8, 1941.



FOR FRESH CITRUS FRUIT.
Claims use since Dec. 3, 1940.

Ser. No. 439,578. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 11, 1941.



Applicant disclaims the representation of the carton apart from the mark.
FOR PROCESS AMERICAN CHEESE.
Claims use since Dec. 28, 1939.

Ser. No. 439,580. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 11, 1941.



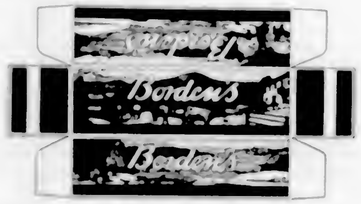
Applicant disclaims the representation of the carton apart from the mark.
FOR PROCESS BRICK CHEESE.
Claims use since Dec. 28, 1939.

Ser. No. 439,581. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 11, 1941.



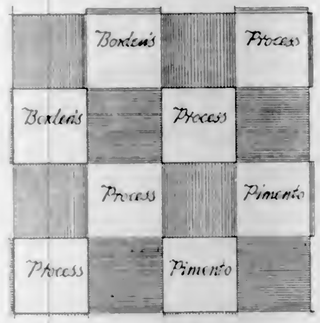
The drawing is lined for red, white, and blue.
FOR PROCESS BRICK CHEESE.
Claims use since Dec. 28, 1939.

Ser. No. 439,582. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 11, 1941.



Applicant disclaims the representation of the carton apart from the mark.
FOR PROCESS PIMENTO CHEESE.
Claims use since Dec. 28, 1939.

Ser. No. 439,583. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 11, 1941.



The drawing is lined for red, white, and blue. Applicant disclaims the words "Process" and "Pimento" except as used in the mark.
FOR PROCESS PIMENTO CHEESE.
Claims use since Dec. 28, 1939.

Ser. No. 439,584. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 11, 1941.



Applicant disclaims the representation of the carton apart from the mark.
FOR PROCESS SWISS CHEESE.
Claims use since Dec. 28, 1939.

Ser. No. 439,896. HAAS BROTHERS, San Francisco, Calif. Filed Jan. 23, 1941.

Trupak SUPER QUALITY

No claim is made to the words "Super Quality" apart from the mark.
FOR CANNED FRUIT JUICES, BERRY JUICES, AND VEGETABLE JUICES USED FOR FOOD PURPOSES.
Claims use since Jan. 4, 1923.

Ser. No. 440,052. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Jan. 28, 1941.

ROMULUS

FOR CANNED VEGETABLES.
Claims use since Jan. 8, 1941.

CLASS 47

WINES

Ser. No. 438,400. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y. Filed Nov. 30, 1940.

JM

FOR WINES.
Claims use since Nov. 14, 1940.

Ser. No. 438,490. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y. Filed Dec. 3, 1940.



FOR WINES.
Claims use since Nov. 27, 1940.

Ser. No. 438,546. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y. Filed Dec. 5, 1940.



The word "Brand" is disclaimed apart from the mark.
FOR WINES.
Claims use since Jan. 1, 1934.

Ser. No. 438,700. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y. Filed Dec. 16, 1940.



FOR WINES.
Claims use since Nov. 29, 1940.

Ser. No. 438,955. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y. Filed Dec. 17, 1940.

"CASAMIA"

FOR WINES.
Claims use since Dec. 10, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 433,253. KRAUS BROS & CO., INC., New York, N. Y. Filed June 21, 1940.



FOR ALCOHOLIC BITTERS.
Claims use since March 1934.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 439,516. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Jan. 9, 1941.

KIMFORM

FOR SHOE COUNTER MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER.
Claims use since Dec. 11, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 1, 1941

386,206. READY MIXED PAINTS, PASTE PAINTS, COLORS IN OIL PAINT ENAMELS, TRANSPARENT LACQUERS, PIGMENTED LACQUERS, VARNISHES, VARNISH ENAMELS, THINNERS, PRIMERS, DRIERS, STAINS, KALSOMINE, FILLERS, POLISHES FOR AUTOMOBILES AND FURNITURE. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed March 5, 1937. Serial No. 389,682. PUBLISHED JULY 25, 1939. Class 16.

386,207. CONCRETE REINFORCEMENT STEEL BARS. CONNORS STEEL COMPANY, Birmingham, Ala.
Filed September 7, 1937. Serial No. 397,183. PUBLISHED JANUARY 21, 1941. Class 12.

386,208. DEFROSTING PASTE AND AVIATION DEFROSTING PASTE MORE PARTICULARLY COMPRISING CHEMICAL SUBSTANCES FOR THE PREVENTION AND REMOVAL OF ICE AND HOAR FROST. KILFROST MANUFACTURING COMPANY, LTD., London, England.
Filed November 30, 1937. Serial No. 400,309. PUBLISHED JANUARY 21, 1941. Class 6.

386,209. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT, RING WORM, ITCHING EXZEMA, PIMPLES, BLACKHEADS, AND FUNGUS SKIN IRRITATIONS. ROSIE BREEN SMITH, doing business as Irvin & Rose, New Orleans, La.
Filed August 24, 1938. Serial No. 409,942. PUBLISHED JANUARY 21, 1941. Class 6.

386,210. WHISKEY. CAVE SPRINGS DISTILLERY CORPORATION, INC., Wilder, Newport, Ky.
Filed December 24, 1938. Serial No. 414,248. PUBLISHED MARCH 7, 1939. Class 49.

386,211. MINERAL WOOL. CHEW-BITTEL CO., Philadelphia, Pa.
Filed January 23, 1939. Serial No. 415,107. PUBLISHED JANUARY 14, 1941. Class 12.

386,212. LIQUID GERMICIDAL, BACTERICIDAL, FUNGICIDAL, ANTISEPTIC AND DISINFECTANT COMPOUND. JOSEPH I. BLANCK, doing business as Health-Gard Process Co., Brooklyn, N. Y.
Filed February 28, 1939. Serial No. 416,501. PUBLISHED JANUARY 21, 1941. Class 6.

386,213. STRAIGHT PETROLEUM ROOFING ASPHALT MANUFACTURED FOR HOT APPLICATION. SHALLOW WATER REFINING CO., Scott City, Kans.
Filed May 2, 1939. Serial No. 418,990. PUBLISHED MAY 14, 1940. Class 12.

386,214. SALAD DRESSING, SANDWICH SPREAD, MAYONNAISE, AND FRENCH DRESSING. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed October 2, 1939. Serial No. 424,115. PUBLISHED JANUARY 21, 1941. Class 46.

386,215. BOOKS OF COUPONS REDEEMABLE IN MERCHANDISE. R. H. MACY & CO., INC., New York, N. Y.
Filed November 2, 1939. Serial No. 425,153. PUBLISHED JANUARY 21, 1941. Class 38.

386,216. CONFECTION MADE FROM PROCESSED SOY BEANS AND A CONFECTION MADE FROM VEGETABLES, FLOUR, CEREAL, AND OTHER INGREDIENTS. CHARLES A. RAYMOND, doing business as Raymond Products Co., Marion, Ohio.
Filed November 14, 1939. Serial No. 425,627. PUBLISHED JANUARY 21, 1941. Class 46.

386,217. FACE CREAMS, FACE POWDERS; HAND, SKIN, AND FACE LOTIONS; ROUGES, LIPSTICKS, EYE SHADOW, MASCARA, EYEBROW PENCILS, TALCUM, BATH OIL, AND BATH SALTS. BEAUTY COUNSELORS, INC., Detroit, Mich.
Filed November 20, 1939. Serial No. 425,827. PUBLISHED JANUARY 21, 1941. Class 6.

386,218. MERCHANDISE CERTIFICATES WHICH APPLICANT SELLS TO DEPARTMENT STORES AND WHICH MAY BE USED BY PURCHASERS PURCHASING SUCH CERTIFICATES FROM SUCH DEPARTMENT STORES IN EXCHANGE FOR MERCHANDISE OFFERED FOR SALE BY SUCH DEPARTMENT STORES. WM. T. KNOTT COMPANY, INC., New York, N. Y.
Filed December 1, 1939. Serial No. 426,133. PUBLISHED NOVEMBER 12, 1940. Class 38.

386,219. HEATING, COOLING, AIR CONDITIONING UNITS, COMPRISING HEAT EXCHANGE COILS, WITH OR WITHOUT MEANS FOR ADVANCING AIR THERETHROUGH, ETC. THE TRANE COMPANY, La Crosse, Wis.
Filed December 2, 1939. Serial No. 426,175. PUBLISHED JANUARY 21, 1941. Class 34.

386,220. CANDY. PRICE CANDY COMPANY, Kansas City, Mo.
Filed December 20, 1939. Serial No. 426,783. PUBLISHED JANUARY 21, 1941. Class 46.

386,221. HAIR TONIC, SOAPLESS SHAMPOO, SKIN CREAM, TOILET WATER, STYPTIC POWDER, SKIN LOTION, PERFUMES, HAIR POMADE, ETC. LEO J. AWAD, doing business as L. J. Awad Manufacturing Company, Philadelphia, Pa.
Filed January 29, 1940. Serial No. 427,954. PUBLISHED JANUARY 7, 1941. Class 6.

386,222. BEER, ALE, AND OTHER MALT BEVERAGES. LATROBE BREWING COMPANY, Latrobe, Pa.
Filed February 8, 1940. Serial No. 428,361. PUBLISHED MARCH 26, 1940. Class 48.

386,223. BEER, ALE, AND OTHER MALT BEVERAGES. LATROBE BREWING COMPANY, Latrobe, Pa.
Filed February 8, 1940. Serial No. 428,362. PUBLISHED MARCH 26, 1940. Class 48.

386,224. LEATHER SOFTENER. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed February 29, 1940. Serial No. 429,044. PUBLISHED JANUARY 21, 1941. Class 4.

386,225. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT. WILLIAM E. ULRICH, Buffalo, N. Y.
Filed April 2, 1940. Serial No. 430,294. PUBLISHED JANUARY 21, 1941. Class 6.

386,226. FACE CREAM, FACE PACK, FACE POWDER, LIPSTICK, NAIL POLISH, PERFUME, BATH SALTS, SMELLING SALTS, SHAMPOO, SKIN LOTION, TOOTH-POWDER, TOOTH PASTE, COMPLEXION CLAY. LILLIAN RUSSELL, Kew Gardens, N. Y.
Filed April 4, 1940. Serial No. 430,362. PUBLISHED JANUARY 21, 1941. Class 6.

386,227. COLLARS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed April 17, 1940. Serial No. 430,858. PUBLISHED JANUARY 14, 1941. Class 39.

386,228. TOMATO JUICE, SALMON, MACKEREL, TOMATOES, GARDEN PEAS, BLACK EYED PEAS, FRESH PEAS AND CARROTS, ETC. COLLINS-DIETZ-MORRIS COMPANY, Oklahoma City, Okla.
Filed April 23, 1940. Serial No. 431,105. PUBLISHED JANUARY 21, 1941. Class 46.

386,229. LADIES' DRESSES, COATS, SUITS, COSTUME SUITS, BLOUSES, AND SKIRTS. EISENBERG & SONS, INC., Chicago, Ill.
Filed May 1, 1940. Serial No. 431,447. PUBLISHED JANUARY 21, 1941. Class 39.

386,230. HEAT, SOUND, AND COMBUSTION INSULATING MATERIAL OF EXPANDED VERMICULITE. MASONITE CORPORATION, Chicago, Ill.
Filed May 7, 1940. Serial No. 431,661. PUBLISHED JANUARY 21, 1941. Class 12.

386,231. CHEMICALS AND CHEMICAL COMPOUNDS USED FOR THE PURPOSE OF PERMANENTLY INTRODUCING A WEIGHT-INCREASING FINISH INTO ALL TEXTILE FABRICS AND FIBRES, REGARDLESS OF COMPOSITION. LYONSET LIMITED, New York, N. Y.
Filed May 11, 1940. Serial No. 431,817. PUBLISHED JANUARY 21, 1941. Class 6.

386,232. CHAIN AND CHAINS, AND PARTS THEREOF AND ATTACHMENTS THEREFOR. THE UNION CHAIN AND MANUFACTURING COMPANY, Sandusky, Ohio.
Filed July 5, 1940. Serial No. 433,730. PUBLISHED JANUARY 21, 1941. Class 13.

386,233. AUTOMOBILE FRONT AXLE SPINDLES, BRAKE SHOES, SHOCK ABSORBERS, HYDRAULIC BRAKE CYLINDERS, AND HYDRAULIC BRAKE PISTONS. COLVEAR MOTOR SALES COMPANY, Los Angeles, Calif.
Filed July 18, 1940. Serial No. 434,104. PUBLISHED JANUARY 21, 1941. Class 19.

386,234. CANNED FISH AND PRESERVED FISH GOODS—NAMELY, CANNED SARDINES, CANNED SALMON, CANNED LOBSTER, CANNED CRAWFISH, CANNED CRAB MEAT, CANNED WHITE FISH, CANNED ANCHOVIES, CANNED TUNA FISH. JACOB LISSMANN, New York, N. Y.
Filed July 29, 1940. Serial No. 434,449. PUBLISHED JANUARY 21, 1941. Class 46.

386,235. FRESH CITRUS FRUITS. EDISON ORANGE GROWERS ASSOCIATION, Edison, Calif.
Filed July 30, 1940. Serial No. 434,487. PUBLISHED JANUARY 21, 1941. Class 46.

386,236. LIGHTWEIGHT REFRACTORY CONCRETE. THE DENVER FIRE CLAY COMPANY, Denver, Colo.
Filed August 6, 1940. Serial No. 434,712. PUBLISHED JANUARY 21, 1941. Class 12.

386,237. QUARTERLY PUBLICATION AND A NATIONAL DIRECTORY PUBLISHED ANNUALLY. IOTA TAU LAMBDA, Dayton, Ohio.
Filed August, 8, 1940. Serial No. 434,791. PUBLISHED JANUARY 21, 1941. Class 38.

386,238. CANNED OLIVES. SYLMAR PACKING CORPORATION, also doing business as Los Angeles Olive Growers Association, Los Angeles, Calif.
Filed August 9, 1940. Serial No. 434,856. PUBLISHED JANUARY 21, 1941. Class 46.

386,239. PAPER CUPS. CONNECTICUT PAPER PRODUCTS, INC., New Britain, Conn., assignor to Lawrence H. M. Vineburgh, West Hartford, Conn.
Filed August 14, 1940. Serial No. 434,972. PUBLISHED JANUARY 21, 1941. Class 2.

386,240. SHOE, BOOT, AND OTHER LEATHER POLISHES. SALOMON & PHILLIPS, New York, N. Y.
Filed August 15, 1940. Serial No. 435,031. PUBLISHED JANUARY 21, 1941. Class 4.

386,241. FOOD STARCHES. NATIONAL STARCH PRODUCTS INC., New York, N. Y.
Filed August 17, 1940. Serial No. 435,093. PUBLISHED JANUARY 21, 1941. Class 46.

386,242. PEANUT BUTTER. GOLDEN WEST PRODUCTS CO. INC., Los Angeles, Calif.
Filed August 23, 1940. Serial No. 435,290. PUBLISHED OCTOBER 29, 1940. Class 46.

386,243. SHOE SOLES. RAY R. REEVES, Los Angeles, Calif.
Filed August 23, 1940. Serial No. 435,315. PUBLISHED JANUARY 21, 1941. Class 39.

386,244. PHOTOGRAPHS. PIX, INCORPORATED, New York, N. Y.
Filed September 4, 1940. Serial No. 435,668. PUBLISHED JANUARY 21, 1941. Class 38.

386,245. LADIES' UNDERWEAR. JULIUS KAYSER & CO., New York, N. Y.
Filed September 6, 1940. Serial No. 435,723. PUBLISHED JANUARY 21, 1941. Class 39.

386,246. RUBBER FLOORING. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y.
Filed September 7, 1940. Serial No. 435,751. PUBLISHED JANUARY 21, 1941. Class 12.

386,247. BUSINESS CARD CASES SOLD EMPTY IN THE TRADE. R. O. H. HILL, INCORPORATED, New York, N. Y.
Filed September 7, 1940. Serial No. 435,760. PUBLISHED JANUARY 21, 1941. Class 3.

386,248. TOOTHBRUSHES. MCCRORY STORES CORPORATION, New York, N. Y.
Filed September 17, 1940. Serial No. 436,058. PUBLISHED JANUARY 21, 1941. Class 29.

386,249. PRESSURE HEATING TANKS AND HOT WATER AND STEAM BOILERS FOR HEATING AND POWER. FARRAR & TREFTS, INCORPORATED, Buffalo, N. Y.
Filed September 20, 1940. Serial No. 436,170. PUBLISHED JANUARY 21, 1941. Class 34.

386,250. NURSERY SPRAY. EARNSHAW KNITTING COMPANY, doing business as Vanta Laboratories, Newton, Mass.
Filed September 21, 1940. Serial No. 436,206. PUBLISHED JANUARY 21, 1941. Class 6.

386,251. CLEANING COMPOUNDS FOR THE REMOVAL OF GREASE AND RUST FROM METALS AND FOR VARIOUS OTHER INDUSTRIAL CLEANING PURPOSES. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed September 28, 1940. Serial No. 436,488. PUBLISHED JANUARY 21, 1941. Class 4.

386,252. NEWSPAPER. HARRY HENRY, Chicago, Ill.
Filed September 30, 1940. Serial No. 436,512. PUBLISHED JANUARY 21, 1941. Class 38.

386,253. ANIMAL FOOD SUPPLEMENT, MORE PARTICULARLY FOR DOGS AND CATS. ROY P. KLEIN, doing business as American Pet Supply, Chicago, Ill.
Filed October 2, 1940. Serial No. 436,572. PUBLISHED JANUARY 21, 1941. Class 46.

386,254. RUST REMOVING, RUST PREVENTING, AND METAL CLEANING PREPARATION HAVING INCIDENTAL CLEANING PROPERTIES. RUST-FOE CO., INC., New York, N. Y.
Filed October 4, 1940. Serial No. 436,661. PUBLISHED JANUARY 21, 1941. Class 6.

386,255. ELASTIC SHOE LACES. THOMAS TAYLOR & SONS, INC., Hudson, Mass.
Filed October 5, 1940. Serial No. 436,681. PUBLISHED JANUARY 21, 1941. Class 40.

386,256. TREATED CEDAR POLES. NATIONAL POLE AND TREATING COMPANY, Minneapolis, Minn.
Filed October 7, 1940. Serial No. 436,697. PUBLISHED JANUARY 21, 1941. Class 12.

386,257. ARTICLES PUBLISHED AT INTERVALS DESCRIPTIVE OF FOOD AND METHODS OF PREPARING, COOKING, AND SERVING SAME. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed October 8, 1940. Serial No. 436,737. PUBLISHED JANUARY 14, 1941. Class 38.

386,258. ARTICLES PUBLISHED AT INTERVALS DESCRIPTIVE OF INTERESTING ARTICLES FOR THE HOME OR FOR PERSONAL USE. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed October 8, 1940. Serial No. 436,739. PUBLISHED JANUARY 14, 1941. Class 38.

386,259. ARTICLES PUBLISHED AT INTERVALS DEALING WITH COSMETICS AND OTHER MEANS OF PRESERVING AND IMPROVING YOUNG WOMEN'S BEAUTY. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed October 8, 1940. Serial No. 436,742. PUBLISHED JANUARY 21, 1941. Class 38.

386,260. CANNED FRUITS AND CANNED VEGETABLES. MUIRSON LABEL COMPANY, INC., New York, N. Y.
Filed October 9, 1940. Serial No. 436,774. PUBLISHED JANUARY 21, 1941. Class 46.

386,261. ARTIFICIAL FLOWERS, PARTICULARLY BOUTONNIERES. SWANK PRODUCTS, INC., Attleboro, Mass., now by change of name Swank, Inc.
Filed October 9, 1940. Serial No. 436,781. PUBLISHED JANUARY 21, 1941. Class 40.

386,262. STORE FRONT CONSTRUCTION—NAMELY, BULKHEADS, SILLS, LINTELS, TRANSOMS, CORNER-BARS, DIVISION-BARS, SASH FRAMES, AND SASH BARS. DETROIT SHOW CASE COMPANY, Detroit, Mich.
Filed October 11, 1940. Serial No. 436,836. PUBLISHED JANUARY 14, 1941. Class 12.

386,263. CHEMICAL PREPARATION FOR USE IN CURING MEAT. B. HELLER & COMPANY, Chicago, Ill.
Filed October 14, 1940. Serial No. 436,931. PUBLISHED JANUARY 21, 1941. Class 6.

386,264. LIQUID PREPARATION FOR MENDING BROKEN OR CRACKED FINGER NAILS. BENJAMIN D'AGOSTINO, doing business as D'Agostino Laboratories, Los Angeles, Calif.
Filed October 15, 1940. Serial No. 436,961. PUBLISHED JANUARY 21, 1941. Class 6.

386,265. STOVE AND HEATING OIL. I. L. SCHURMAN, Chicago, Ill.
Filed October 16, 1940. Serial No. 437,017. PUBLISHED JANUARY 21, 1941. Class 15.

386,266. BATH OIL, FACE POWDER, BATH POWDER, FINGERNAIL POLISH, HAND CREAM, BEAUTY CREAM, HAND LOTION, ETC. HAROLD P. WILLATS, Hollywood, Calif.
Filed October 16, 1940. Serial No. 437,020. PUBLISHED JANUARY 21, 1941. Class 6.

386,267. RAYON, WOOLEN, COTTON, AND SILK FABRICS AND COMBINATIONS THEREOF. THE WORCESTER KNITTING COMPANY, New York, N. Y.
Filed October 16, 1940. Serial No. 437,021. PUBLISHED JANUARY 21, 1941. Class 42.

386,268. MEN'S AND BOYS' SUITS, JACKETS, OVERCOATS, ROBES, SPORT COATS, AND OUTER SHIRTS, ALSO WOMEN'S SUITS, JACKETS, OVERCOATS, ROBES, SPORT COATS, AND BLOUSES. DESMOND'S, Los Angeles, Calif.
Filed October 17, 1940. Serial No. 437,029. PUBLISHED JANUARY 14, 1941. Class 39.

386,269. SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE. SOREL SILKS CORPORATION, New York, N. Y.
Filed October 17, 1940. Serial No. 437,049. PUBLISHED JANUARY 21, 1941. Class 42.

386,270. SILVER-PLATED FLATWARE. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed October 19, 1940. Serial No. 437,104. PUBLISHED JANUARY 14, 1941. Class 28.

386,271. HATS AND KNITTED SUITS FOR WOMEN AND CHILDREN, OUTER SKIRTS, UNDERSKIRTS, SWEATERS, AND LINGERIE SUCH AS SLIPS, STEP-INS, BRASSIÈRES, PANTIES, PAJAMAS, AND GOWNS. L. BAMBERGER & CO., Newark, N. J.
Filed October 23, 1940. Serial No. 437,191. PUBLISHED JANUARY 21, 1941. Class 39.

386,272. BOARDTILE—WALL COVERING MADE WITH A MASONITE TEMPERED BASE BOARD OVER WHICH A NITROCELLULOSE FINISH IS SPRAYED IN A NUMBER OF COATS AND BUFFED AND POLISHED, IN VARIOUS COLORS; ALSO MARBLE AND WOOD FINISH BOARDS WHICH ARE FABRICATED WITH THE USE OF DECALCOMANIA TRANSFERS. GIBBS BOARDTILE CORPORATION, Chicago, Ill.
Filed October 24, 1940. Serial No. 437,246. PUBLISHED JANUARY 21, 1941. Class 12.

386,273. WEEKLY NEWSPAPER. HAPPY DAYS. PUBLISHING COMPANY, doing business as Army Times Publishing Company, Washington, D. C.
Filed October 24, 1940. Serial No. 437,247. PUBLISHED JANUARY 21, 1941. Class 38.

386,274. PLANS AND SPECIFICATIONS FOR HOUSES. COOKE CONSTRUCTION COMPANY, Detroit, Mich.
Filed October 30, 1940. Serial No. 437,405. PUBLISHED JANUARY 21, 1941. Class 38.

386,275. CHOCOLATE FLAVORED SYRUP FOR USE AS A SAUCE OR DRESSING FOR ICE CREAM, PUDDING, CUSTARD, ETC. UNITED DRUG COMPANY, Boston, Mass.
Filed October 30, 1940. Serial No. 437,424. PUBLISHED JANUARY 21, 1941. Class 46.

386,276. ALMANAC. MABEL M. SWAN, Brookline, Mass.
Filed October 31, 1940. Serial No. 437,458. PUBLISHED JANUARY 21, 1941. Class 38.

386,277. WHISKEY. BUFFALO SPRINGS DISTILLING COMPANY, INC., Stamping Ground, Ky.
Filed November 1, 1940. Serial No. 437,463. PUBLISHED JANUARY 21, 1941. Class 49.

386,287. SMOKING PIPES AND FILTER BOWLS FOR SUCH PIPES. BENJAMIN LIEBOWITZ, New York, N. Y.
Filed November 1, 1940. Serial No. 437,473. PUBLISHED JANUARY 21, 1941. Class 8.

386,279. HAIR POMADE. ELDORADO KARIM, doing business as Hindu Perfume Company, Newark, N. J.
Filed November 2, 1940. Serial No. 437,512. PUBLISHED JANUARY 21, 1941. Class 6.

386,280. SMOKERS' ARTICLES, PARTICULARLY TOBACCO POUCHES, PIPES, AND CIGAR AND CIGARETTE HOLDERS. ROGERS IMPORTS, INC., New York, N. Y.
Filed November 2, 1940. Serial No. 437,531. PUBLISHED JANUARY 21, 1941. Class 8.

386,281. IDENTIFICATION COUPONS SOLD TO MERCHANTS INCIDENTAL TO A SERVICE DESIGNED TO PROMOTE TRADE AND AID THE SHOPPER IN THE SELECTION OF PURCHASES. SHOPSHUR, INC., Bangor, Pa.
Filed November 5, 1940. Serial No. 437,601. PUBLISHED JANUARY 14, 1941. Class 38.

386,282. DIRECTORY PUBLISHED AS A SECTION OF A PERIODICAL. SHOWMEN'S TRADE REVIEW, INC., New York, N. Y.
Filed November 5, 1940. Serial No. 437,602. PUBLISHED JANUARY 21, 1941. Class 38.

386,283. WORSTED YARNS. WORTH BROS., INC., Los Angeles, Calif.
Filed November 6, 1940. Serial No. 437,636. PUBLISHED JANUARY 21, 1941. Class 43.

386,284. LIQUID FLUSHING COMPOUND FOR INTERNAL COMBUSTION ENGINES. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed November 6, 1940. Serial No. 437,634. PUBLISHED JANUARY 21, 1941. Class 6.

386,285. SKIN CREAM. YVONNE BOLDUC, New Haven, Conn.
Filed November 7, 1940. Serial No. 437,641. PUBLISHED JANUARY 21, 1941. Class 6.

386,286. TWINE USED FOR WRAPPING AND TYING MATTRESS SPRINGS. THE LINEN THREAD CO., INC., New York, N. Y.
Filed November 13, 1940. Serial No. 437,823. PUBLISHED JANUARY 21, 1941. Class 7.

386,287. PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed November 7, 1940. Serial No. 437,648. PUBLISHED JANUARY 14, 1941. Class 38.

386,288. LIVER CONCENTRATE PREPARATION USED IN THE TREATMENT OF ANEMIA. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed November 8, 1940. Serial No. 437,686. PUBLISHED JANUARY 21, 1941. Class 6.

386,289. PERFUMED BATH SALTS. PUREPAC CORPORATION, New York, N. Y.
Filed November 8, 1940. Serial No. 437,695. PUBLISHED JANUARY 21, 1941. Class 6.

386,290. CANNED FISH. ALIANÇA EXPORTADORA, LIMITADA, Lisbon, Portugal.
Filed November 13, 1940. Serial No. 437,801. PUBLISHED JANUARY 21, 1941. Class 46.

386,291. CANNED DOG FOOD. ARMOUR AND COMPANY, Chicago, Ill.
Filed November 13, 1940. Serial No. 437,802. PUBLISHED JANUARY 21, 1941. Class 46.

386,292. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. COHN & ROSENBERGER, INC., New York, N. Y.
Filed November 13, 1940. Serial No. 437,811. PUBLISHED JANUARY 21, 1941. Class 28.

386,293. WOMEN'S AND MISSES' DRESSES. LEW L. GLUCK, INC., New York, N. Y.
Filed November 13, 1940. Serial No. 437,819. PUBLISHED JANUARY 21, 1941. Class 39.

386,294. DUCKS, BOTH LIVE AND DRESSED. FREDERICK H. RINDOS, III, Pacific Palisades, Calif.
Filed November 14, 1940. Serial No. 437,882. PUBLISHED JANUARY 21, 1941. Class 46.

386,295. GREASE FOR BALL AND ROLLER BEARINGS. NORMA-HOFFMANN BEARINGS CORPORATION, Stamford, Conn.
Filed November 15, 1940. Serial No. 437,905. PUBLISHED JANUARY 14, 1941. Class 15.

386,296. PERIODICAL. VERNE S. WARRINER, doing business as Warriner Publishing Company, Denver, Colo.
Filed November 15, 1940. Serial No. 437,929. PUBLISHED JANUARY 14, 1941. Class 38.

386,297. CANNED SALMON. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed November 16, 1940. Serial No. 437,944. PUBLISHED JANUARY 21, 1941. Class 46.

386,298. MONTHLY MAGAZINE OR PERIODICAL WRITTEN IN THE SPANISH LANGUAGE. THE READER'S DIGEST ASSOCIATION, INC., Pleasantville, N. Y.
Filed November 16, 1940. Serial No. 437,968. PUBLISHED JANUARY 21, 1941. Class 38.

386,299. DYED AND FINISHED COTTON, RAYON WOOLEN, AND LINEN FABRICS IN THE PIECE. SANCO PIECE DYE WORKS, INC., Gernerville and New York, N. Y.
Filed November 16, 1940. Serial No. 437,974. PUBLISHED JANUARY 21, 1941. Class 42.

386,300. DEHYDRATED ONIONS. TRAFICANTI BROTHERS, also doing business as Traficanti Bros., Chicago, Ill.
Filed November 16, 1940. Serial No. 437,978. PUBLISHED JANUARY 21, 1941. Class 46.

386,301. ROOM-VENTILATOR UNIT TO BE INSERTED IN WINDOW AND COMPRISING ELECTRICALLY POWERED ROTARY FANS AND MEANS FOR FILTERING AND/OR HUMIDIFYING THE AIR DELIVERED THEREBY. ARCHIBALD U. CAMPBELL, doing business as Airnovator Company, South Orange, N. J.
Filed November 18, 1940. Serial No. 437,990. PUBLISHED JANUARY 21, 1941. Class 34.

386,302. CANNED FOODS FOR DOGS, CATS, FOXES, AND OTHER CARNIVOROUS ANIMALS. N. C. COAN, doing business as Animal Foods Company and Amco Sales Co., San Jose, Calif., and Houston, Tex.
Filed November 18, 1940. Serial No. 437,995. PUBLISHED JANUARY 21, 1941. Class 46.

386,303. MEN'S, WOMEN'S, BOYS', AND GIRLS' SKI BOOTS, SLIPPERS, SUITS AND PANTS, HATS AND CAPS, SHIRTS, UNDERWEAR, SWEATERS, SOCKS, MITTENS, HEADBANDS, JACKETS, SCARFS, AND HOODS. FREDERIC J. DORMER, New York, N. Y.
Filed November 18, 1940. Serial No. 437,997. PUBLISHED JANUARY 21, 1941. Class 39.

386,304. WINE. HUDSON VALLEY WINE COMPANY, INC., Highland, N. Y., assignor to Charles Falsole, Englewood, N. J.
Filed November 18, 1940. Serial No. 438,009. PUBLISHED JANUARY 21, 1941. Class 47.

386,305. RUM, WHISKEY, GIN, ALCOHOLIC CORDIALS, BRANDIES, AND LIQUEURS. J. & J. DISTRIBUTING COMPANY, Newark, N. J.
Filed November 18, 1940. Serial No. 438,010. PUBLISHED JANUARY 21, 1941. Class 49.

386,306. SCRIPTS FOR A SERIES OF RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE, AND A SECTION OR COLUMN OF A NEWSPAPER OR TRADE JOURNAL. ALEXANDER MCQUEEN, Chicago, Ill.
Filed November 19, 1940. Serial No. 438,047. PUBLISHED JANUARY 14, 1941. Class 38.

386,307. UNITARY PIEZOELECTRIC ASSEMBLY OF COMPOSITE, LAMINAR, OR MULTIPLATE CONSTRUCTION. THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio.
Filed November 20, 1940. Serial No. 438,066. PUBLISHED JANUARY 21, 1941. Class 21.

386,308. ELECTRICAL DEVICE HAVING ONE OR MORE ELECTRODES OF FINELY DIVIDED ELECTRICALLY-CONDUCTING MATERIAL, PARTICULARLY A UNITARY PIEZOELECTRIC ASSEMBLY. THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio.
Filed November 20, 1940. Serial No. 438,067. PUBLISHED JANUARY 21, 1941. Class 21.

386,309. PHOTOGRAPHIC LENSES. BERNARD CHADKIN, New York, N. Y.
Filed November 20, 1940. Serial No. 438,069. PUBLISHED JANUARY 21, 1941. Class 26.

386,310. OPEN MESH BAGS. FULTON BAG AND COTTON MILLS, Atlanta, Ga.
Filed November 20, 1940. Serial No. 438,071. PUBLISHED JANUARY 21, 1941. Class 2.

386,311. COMFORTERS AND BLANKETS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed November 20, 1940. Serial No. 438,090. PUBLISHED JANUARY 21, 1941. Class 42.

386,312. FUEL STOKERS. THE STANDARD STOKER COMPANY, INC., New York, N. Y.
Filed November 20, 1940. Serial No. 438,096. PUBLISHED JANUARY 21, 1941. Class 34.

386,313. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed November 22, 1940. Serial No. 438,118. PUBLISHED JANUARY 21, 1941. Class 42.

386,314. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed November 22, 1940. Serial No. 438,119; PUBLISHED JANUARY 21, 1941. Class 42.

386,315. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed November 22, 1940. Serial No. 438,120. PUBLISHED JANUARY 21, 1941. Class 42.

386,316. PERFUMES, TOILET WATER, COLOGNE, BRILLIANTINES, HAIR PREPARATIONS, FACE POWDERS, LIPSTICKS, NAIL PREPARATIONS, AND ROUGE. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 22, 1940. Serial No. 438,139. PUBLISHED JANUARY 21, 1941. Class 6.

386,317. RAYON PIECE GOODS, WOOLEN PIECE GOODS AND PIECE GOODS OF MIXTURES OF RAYON AND WOOL AND PIECE GOODS OF MIXTURES OF RAYON AND COTTON. PACIFIC MILLS, Lawrence and Boston, Mass.
Filed November 22, 1940. Serial No. 438,148. PUBLISHED JANUARY 21, 1941. Class 42.

386,318. LADIES', MISSES', AND CHILDREN'S DRESSES OF ALL KINDS AND OF ALL MATERIALS. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed November 23, 1940. Serial No. 438,175. PUBLISHED JANUARY 21, 1941. Class 39.

386,319. LADIES' AND MISSES' COATS, SUITS, AND JACKETS. FIERMAN-KOLMER CO., INC., New York, N. Y.
Filed November 23, 1940. Serial No. 438,177. PUBLISHED JANUARY 21, 1941. Class 39.

386,320. OPHTHALMIC LENSES, LENSES FOR GOGGLES, AND BLANKS FOR SUCH LENSES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed November 25, 1940. Serial No. 438,190. PUBLISHED JANUARY 21, 1941. Class 26.

386,321. ARTERIAL FLUID FOR EMBALMING PURPOSES. HARRY E. BREWIN & SONS, INC., Pleasantville, N. J.
Filed November 25, 1940. Serial No. 438,192. PUBLISHED JANUARY 21, 1941. Class 6.

386,322. TIMING DEVICES FOR CONTROLLING ELECTRICAL CIRCUITS, AND PARTS OF SUCH DEVICES. EAGLE SIGNAL CORPORATION, Moline, Ill.
Filed November 25, 1940. Serial No. 438,196. PUBLISHED JANUARY 21, 1941. Class 21.

386,323. MACHINE TOOLS FOR CUTTING IN METAL —NAMELY, COUNTERBORES, COUNTERSINKS, BROACHES, SPOT FACERS, PILOTS, MILLING CUTTERS, BORING BARS, AND INTERCHANGEABLE HOLDERS FOR BORING CUTTERS. ECLIPSE COUNTERBORE COMPANY, Detroit, Mich.
Filed November 25, 1940. Serial No. 438,197. PUBLISHED JANUARY 21, 1941. Class 23.

386,324. YARNS. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed November 27, 1940. Serial No. 438,265. PUBLISHED JANUARY 21, 1941. Class 43.

386,325. MATCH BOOKS. THE ARROW MATCH CORPORATION, Chicago, Ill.
Filed November 28, 1940. Serial No. 438,297. PUBLISHED JANUARY 21, 1941. Class 9.

386,326. MANICURING PREPARATION FOR SOFTENING THE CUTICLE AND FOR BLEACHING AND REMOVING STAINS FROM THE NAILS. MEREM CO., New York, N. Y.
Filed November 29, 1940. Serial No. 438,347. PUBLISHED JANUARY 21, 1941. Class 6.

386,327. GAME BOARD FOR PLAYING A MODIFIED GAME OF CHECKERS. ART PRODUCTIONS COMPANY, Grand Rapids, Mich.
Filed November 30, 1940. Serial No. 438,369. PUBLISHED JANUARY 21, 1941. Class 22.

386,328. PREPARATION OF VITAMIN K SUITABLE FOR PARENTERAL OR ORAL ADMINISTRATION. ENDO PRODUCTS, INC., New York, N. Y.
Filed November 30, 1940. Serial No. 438,383. PUBLISHED JANUARY 21, 1941. Class 6.

386,329. ADDING MACHINE RIBBONS, ACCOUNTING MACHINE RIBBONS, CALCULATING MACHINE RIBBONS, CARBON PAPER, DUPLICATOR INK, INKING PADS, NUMBERING MACHINE INK, STAMP PAD INK, STAMP PADS, AND TYPEWRITER RIBBONS. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa.
Filed November 30, 1940. Serial No. 438,406. PUBLISHED JANUARY 21, 1941. Class 11.

386,330. VITAMIN PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 2, 1940. Serial No. 438,427. PUBLISHED JANUARY 21, 1941. Class 6.

386,331. CHEMICALS USED IN THE DYEING, FINISHING, AND PROCESSING OF TEXTILES, LEATHER, FUR, PAPER, ETC. NYANZA COLOR & CHEMICAL CO. INC., New York, N. Y.
Filed December 2, 1940. Serial No. 438,444. PUBLISHED JANUARY 21, 1941. Class 6.

386,332. VITAMIN B COMPLEX PREPARATION. WILLIAM J. WARDALL, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y.
Filed December 2, 1940. Serial No. 438,460. PUBLISHED JANUARY 21, 1941. Class 6.

386,333. MALT COMPOUND CONTAINING LIVER EXTRACT, YEAST, AND VITAMINS. BOYLE & COMPANY, Los Angeles, Calif.
Filed December 5, 1940. Serial No. 438,527. PUBLISHED JANUARY 21, 1941. Class 6.

386,334. CHEMICAL COMPOUND UNFOLDING A MUCOUS DISSOLVING AN ANTISEPTIC ACTION. THE DOHO CHEMICAL CORPORATION, New York, N. Y.
Filed December 5, 1940. Serial No. 438,533. PUBLISHED JANUARY 21, 1941. Class 6.

386,335. WATER SOLUBLE LIQUID TO BE ADDED TO THE WATER OF COOLING SYSTEMS TO PREVENT FREEZING THEREOF. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed December 5, 1940. Serial No. 438,541. PUBLISHED JANUARY 21, 1941. Class 6.

386,336. DYESTUFFS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed December 6, 1940. Serial No. 438,569. PUBLISHED JANUARY 21, 1941. Class 6.

386,337. LIQUID SOLDER FOR STOPPING LEAKS IN AUTOMOBILE COOLING SYSTEMS, AUTOMOBILE RADIATOR CLEANER, ETC. WARNER-PATTERSON COMPANY, Chicago, Ill.
Filed December 6, 1940. Serial No. 438,599. PUBLISHED JANUARY 21, 1941. Class 6.

386,338. BATH SCENT AND WATER SOFTENER. BEN-HUR PRODUCTS, INC., Los Angeles, Calif.
Filed December 9, 1940. Serial No. 438,642. PUBLISHED JANUARY 21, 1941. Class 6.

386,339. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE, COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. MARIE EARLE, INC., New York, N. Y.
Filed December 10, 1940. Serial No. 438,689. PUBLISHED JANUARY 21, 1941. Class 6.

386,340. COLLARS AND NEGLIGEE AND DRESS SHIRTS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed January 11, 1940. Serial No. 427,334. PUBLISHED JUNE 11, 1940. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

386,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. KARL'S BAKERIES, INC., Milwaukee, Wis. Filed June 9, 1939. Serial No. 420,325.

Mrs Karl's

FOR BREAD, CAKES, ROLLS, BUNS, DOUGHNUTS, AND BREAD CRUMBS.
Claims use since May 1, 1930.

386,342. (CLASS 2. RECEPTACLES.) UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Nov. 15, 1939. Serial No. 425,661.

EASY LIFT BAGS

FOR PAPER BAGS.
Claims use since Oct. 27, 1939.

386,343. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. K. SMIT & SONS, INC., New York, N. Y. Filed Nov. 22, 1939. Act of March 19, 1920, as amended June 10, 1938. Serial No. 425,902.

BORTKAST

FOR DIAMOND BITS.

386,344. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Nov. 24, 1939. Serial No. 425,938.

PRECOTED

FOR GASKETS.
Claims use since Jan. 1, 193..

386,345. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WRIGHT PRODUCTS MANUFACTURING COMPANY, Minneapolis, Minn. Filed Dec. 16, 1939. Serial No. 426,676.

Wrightt

FOR STORM WINDOW ADJUSTERS, WINDOW OPERATORS, SWING LIGHT OPERATORS, FRICTION STAYS, AND SCREEN AND STORM SASH HANGERS.
Claims use since Mar. 1, 1939.

386,346. (CLASS 39. CLOTHING.) GOODALL WORSTED COMPANY, Sanford, Maine. Filed Feb. 8, 1940. Serial No. 428,354.

goodall
summer suit

FOR MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, TROUSERS, AND KNICKERBOCKERS.
Claims use since Jan. 15, 1940.

386,347. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 10, 1940. Serial No. 428,428.

WOODCLIFF

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since June 11, 1937.

386,348. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE BASSICK COMPANY, Bridgeport, Conn. Filed Feb. 15, 1940. Serial No. 428,564.

FLOATING HUB

FOR WHEEL MOUNTINGS FOR BICYCLES AND OTHER VEHICLES.
Claims use since Jan. 15, 1940.

386,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SARGENT & COMPANY, Des Moines, Iowa. Filed Feb. 24, 1940. Serial No. 428,886.

MINRAL MEAT MEAL

FOR FEED FOR HOGS.
Claims use since Jan. 1, 1934.

386,350. (CLASS 38. PRINTS AND PUBLICATIONS.) SAN FRANCISCO SHOPPING NEWS COMPANY, San Francisco, Calif. Filed Feb. 27, 1940. Serial No. 428,972.

Marilyn King

FOR NEWSPAPER SECTION.
Claims use since Feb. 16, 1933.

386,351. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SESSIONS COMPANY, INC., Enterprise, Ala. Filed Feb. 29, 1940. Serial No. 429,070.

NUTTY KRUMB

FOR PEANUT BUTTER.
Claims use since Jan. 5, 1940.

386,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSENBERG BROS. & CO., San Francisco, Calif. Filed Apr. 4, 1940. Serial No. 430,359.

Famly-Pak

FOR DRIED FRUITS.
Claims use since Jan. 6, 1940.

386,353. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) STONE MOUNTAIN GRIT CO., INC., Lithonia, Ga. Filed Apr. 9, 1940. Serial No. 430,569.

STONE MOUNTAIN
GRANITE GRIT



FOR POULTRY GRIT.
Claims use since Jan. 1, 1940.

386,354. (CLASS 37. PAPER AND STATIONERY.) SCOTT PAPER COMPANY, Chester, Pa. Filed Apr. 22, 1940. Serial No. 431,084.



FOR PAPER TOWELS.
Claims use since Feb. 10, 1940.

386,355. (CLASS 32. FURNITURE AND UPHOLSTERY.) AARON BITTER, doing business as A. Bitter Construction Co., Long Island City, N. Y. Filed May 17, 1940. Serial No. 432,057.

RECORD BAR

FOR MERCHANDISING UNIT IN THE FORM OF A COMBINATION DEMONSTRATION, DISPLAY, AND STOCK-KEEPING CABINET AND SALES COUNTER FOR PHONOGRAPH RECORDS.
Claims use since Nov. 15, 1939.

386,356. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HIRSCH-WERNER, INC., New York, N. Y. Filed Aug. 12, 1940. Serial No. 434,913.

Appalachian Cloth

FOR ALL COTTON FABRIC WOVEN TO OFFER WIND RESISTANCE AND IS WATER REPELLANT, USED IN MAKING SKI SUITS, CLOTHING FOR MOUNTAINEERING EXPEDITIONS, AND SPORTSWEAR.
Claims use since Feb. 1, 1940.

386,357. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LUSCOMBE AIRPLANE CORPORATION, West Trenton, N. J. Filed Aug. 17, 1940. Serial No. 435,089.

Luscombe

FOR AIRPLANES AND AIRPLANE STRUCTURAL PARTS.
Claims use since Oct. 15, 1938.

386,358. (CLASS 15. OILS AND GREASES.) L. SONNEBORN SONS, INC., New York, N. Y. Filed Aug. 23, 1940. Serial No. 435,322.

GEORGIA

FOR LUBRICATING OILS AND LUBRICATING GREASES.
Claims use since Dec. 27, 1935.

386,359. (CLASS 47. WINES.) EAST SIDE WINERY, Lodi, Calif. Filed Oct. 15, 1940. Serial No. 436,963.

Cellar-Sealed

FOR WINES.
Claims use since Feb. 20, 1940.

386,360. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KENNETH SMITH, Lenexa, Kans. Filed Oct. 21, 1940. Serial No. 437,149.

Kenneth Smith
HANDMADE TO FIT YOU

FOR GOLF CLUBS.
Claims use since May, 1933.

386,361. (CLASS 38. PRINTS AND PUBLICATIONS.) MANUEL ROSENBERG, doing business as The Advertiser, Cincinnati, Ohio. Filed Oct. 23, 1940. Serial No. 437,220.

MARKETS of AMERICA

FOR ANNUAL PUBLICATION RELATING TO ADVERTISING AND MEDIUM FOR SAME.
Claims use since June, 1939.

386,362. (CLASS 38. PRINTS AND PUBLICATIONS.) OREGON MERCHANTS PUBLISHING CO., INC., Portland, Oreg. Filed Nov. 4, 1940. Serial No. 437,572.

The OREGON MERCHANTS MAGAZINE

FOR PERIODICAL.
Claims use since 1901.

386,363. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Dec. 4, 1940. Serial No. 438,520.

RAPIDOLE

FOR CHEMICAL PRODUCTS USED FOR THE DYEING AND FINISHING OF ALL FIBRES, YARNS, AND FABRICS AS WELL AS LEATHER AND PAPER.
Claims use since Jan. 1, 1935.

386,364. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. L. BARNES, doing business as Pine Coco Products Co., Des Moines, Iowa. Filed Dec. 27, 1940. Serial No. 439,218.

Pine Coco

FOR SHAMPOO PREPARATION.
Claims use since December, 1932.

386,365. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER MILLS INC., Green Bay, Wis. Filed Jan. 8, 1941. Serial No. 439,484.

EVER PAK

FOR CELLULOSE WADDING PACKED WITH KRAFT PAPER FOR PACKING AND PROTECTIVE PURPOSES.
Claims use since Mar. 10, 1938.

386,366. (CLASS 7. CORDAGE.) WHITLOCK CORDAGE CO., Jersey City, N. J., and New York, N. Y. Filed Jan. 10, 1941. Serial No. 439,573.

BATAVIA

FOR VEGETABLE FIBRE ROPE AND TWINE.
Claims use since June 1, 1931.

386,367. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y. Filed Jan. 11, 1941. Serial No. 439,576.

PEERLESS

FOR FLORAL STICKS.
Claims use since Dec. 20, 1939.

386,368. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERMANTOWN COLD STORAGE COMPANY, INC., Germantown, N. Y. Filed Jan. 22, 1941. Serial No. 439,865.

HUDSON RIVER

FOR FRESH APPLES.
Claims use since Oct. 6, 1939.

386,369. (CLASS 39. CLOTHING.) EXCELLENT DRESSES, INC., New York, N. Y. Filed Jan. 23, 1941. Serial No. 439,891.

Fashion Guide
OF THE WEEK

FOR LADIES' DRESSES.
Claims use since Jan. 7, 1940.

TRADE-MARK REGISTRATIONS RENEWED

19,608. **CARTER'S IRON PILLS.** PILLS. Registered June 2, 1891. CARTER MEDICINE COMPANY. Re-renewed June 2, 1941, to Carter Products, Inc., New York, N. Y., a corporation of Maryland, assignee.

19,609. **CARTER'S LITTLE LIVER PILLS.** PILLS. Registered June 2, 1891. CARTER MEDICINE COMPANY. Re-renewed June 2, 1941, to Carter Products, Inc., New York, N. Y., a corporation of Maryland, assignee.

19,729. **CARTER'S LITTLE NERVE PILLS.** PILLS. Registered June 16, 1891. CARTER MEDICINE COMPANY. Re-renewed June 16, 1941, to Carter Products, Inc., New York, N. Y., a corporation of Maryland, assignee.

20,065. **THE SINGER MANFG. CO.** SEWING MACHINES, ATTACHMENTS, AND PARTS THEREOF. Registered August 18, 1891. THE SINGER MANUFACTURING COMPANY, New York, N. Y. Re-renewed August 18, 1941, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

130,638. **THE BILLINGS & SPENCER CO.** CERTAIN NAMED TOOLS AND PARTS THEREOF. Registered May 4, 1920. THE BILLINGS & SPENCER COMPANY. Renewed May 4, 1940, to The Billings & Spencer Company, Hartford, Conn., a corporation of Connecticut, assignee.

138,573. **KEYSTONE.** GAS WATER-HEATERS. Registered January 4, 1921. BASTIAN-MORLEY CO. Renewed January 4, 1941, to Bastian-Morley Co., Inc., La Porte, Ind., a corporation of Indiana, by change of name.

138,799. **1795.** CERTAIN NAMED MEDICINE. Registered January 11, 1921. GEORGE W. CRANE. Renewed January 11, 1941, to The Bever Medicine Company, Fort Wayne, Ind., a firm, successor.

139,863. **REGAL.** HENNA-LEAVES. Registered February 22, 1921. S. B. PENICK & COMPANY, INC. Renewed February 22, 1941, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, successor.

139,869. **CAMEO.** NAIL-POLISH. Registered February 22, 1921. HENRY T. PHILLIPS. Renewed February 22, 1941, to McClung Chemical Company, Columbus, Ohio, a firm, successor.

140,177. **TALLASSEE.** COTTON DUCK. Registered March 8, 1921. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed March 8, 1941.

140,178. **SAVOY.** COTTON DUCK. Registered March 8, 1921. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed March 8, 1941.

140,179. **HARTFORD.** COTTON DUCK. Registered March 8, 1921. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed March 8, 1941.

140,395. **THE HARLEY-DAVIDSON ENTHUSIAST.** MONTHLY MAGAZINES. Registered March 15, 1921. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed March 15, 1941.

140,404. **REDUCOL.** A LITHOGRAPHIC-INK REDUCER. Registered March 15, 1921. INDIANA CHEMICAL & MFG. CO., Indianapolis, Ind., a corporation of Indiana. Renewed March 15, 1941.

140,433. **ESORKA.** TONICS. Registered March 15, 1921. W. F. SEVERA CO., Cedar Rapids, Iowa, a corporation of Iowa. Renewed March 15, 1941.

140,618. **KNICKERBOCKER.** MASSAGE SHOWER-BATH SPRAYS. Registered March 22, 1921. KNICKERBOCKER MFG. CO. Renewed March 22, 1941, to Knickerbocker Rubber Company, Chicago, Ill., a corporation of Illinois, successor.

140,855. **KELLY HAND MADE.** AXES, HATCHETS, MACHETES, HAMMERS, BUSH-HOOKS, AND SCYTHES. Registered March 29, 1921. KELLY AXE MANUFACTURING CO., INC., Charleston, W. Va., and New York, N. Y. Renewed March 29, 1941, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

140,938. **TRUMPS.** NUT-CANDY. Registered March 29, 1921. WILLIAM PRENTISS, JR. COMPANY, Chicago, Ill. Renewed March 29, 1941, to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y., a corporation of West Virginia, assignee.

141,258. **KWIK-AK-SHUN.** ABRASIVE BEARING-FITTING COMPOUNDS. Registered April 12, 1921. UNITED STATES PRODUCTS COMPANY. Renewed April 12, 1941, to Charles C. Elmers, Pittsburgh, Pa., assignee.

141,521. **WINCARNIS.** MEDICINAL TONICS. Registered April 26, 1921. COLEMAN & COMPANY, LIMITED, Norwich, England, a British Corporation. Renewed April 26, 1941.

141,618. **TOM-BOY.** LADIES', MISSES', AND CHILDREN'S DRESSES. Registered April 26, 1921. MORRIS & COMPANY, INCORPORATED. Renewed April 26, 1941, to Straus, Royer & Strass, Inc., Baltimore, Md., a corporation of Maryland, assignee.

142,144. **REPRESENTATION OF A BIRD'S NEST.** CERTAIN CUTLERY AND EDGE-TOOLS. Registered May 3, 1921. SOUTHERN & RICHARDSON LIMITED, Sheffield, England, a British corporation. Renewed May 3, 1941.

142,173. **WESTERN ELECTRIC.** THERMOSTAT HEAT-REGULATORS FOR STOVES, AND FURNACES, VOLTMETERS, VOLT-AMMETERS, AMMETERS, AND CERTAIN TEST SETS. Registered May 3, 1921. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed May 3, 1941.

142,269. **THE GLASS INDUSTRY.** PUBLICATION ISSUED MONTHLY. Registered May 10, 1921. GLASS INDUSTRY PUBLISHING CO., INC. Renewed May 10, 1941, to Ogden-Watney Publishers, Inc., New York, N. Y., a corporation of New York, assignee.

142,280. **PROTEX.** DRY COLORS, COLORS IN OIL, READY-MIXED PAINTS, AND ENAMEL PAINTS. Registered May 10, 1921. INTER-STATE OIL COMPANY. Renewed May 10, 1941, to Inter-State Oil Co., Inc., Minneapolis, Minn., a corporation of South Dakota, assignee.

142,567. **OLD BALDY.** MEN'S AND BOYS' OUTING CLOTHING—NAMELY, COATS, SHIRTS, TROUSERS, RIDING-BREECHES, AND KNICKERBOCKERS. Registered May 17, 1921. CAL HIRSCH & SONS MERCANTILE CO., St. Louis, Mo., and Los Angeles, Calif. Renewed May 17, 1941, to Hirsch Mercantile Company, Los Angeles, Calif., a corporation of California, successor.

142,640. **NICHOLSON FILE CO.** FILES AND RASPS AND HOLDERS AND HANDLES THEREFOR. Registered May 17, 1921. NICHOLSON FILE COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed May 17, 1941.

142,763. **COCKSCOMB.** PRINTING-INKS. Registered May 17, 1921. SIGMUND ULLMAN CO. Renewed May 17, 1941, to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware, assignee.

142,782. **S.** LOCKS, KEYS, AND PARTS THEREOF, STRIKE-PLATES, AND ESCUTCHEONS. Registered May 17, 1921. FRAIM-SLAYMAKER HARDWARE COMPANY, as assignee of Samuel R. Slaymaker. Renewed May 17, 1941, to Slaymaker Lock Company, Lancaster, Pa., a corporation of Pennsylvania, assignee and by change of name.

142,795. **TOPKIS.** MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR—NAMELY, UNDERSHIRTS, UNDERDRAWERS, AND UNION-SUITS. Registered May 17, 1921. TOPKIS BROTHERS COMPANY, Wilmington, Del., a corporation of Delaware. Renewed May 17, 1941.

143,130. **GOLDEN PEACOCK.** TOILET PREPARATIONS—NAMELY, FACE-POWDER, ROUGE, TALCUM POWDER, BLEMISH-BLEACH, AND COLD-CREAM. Registered May 24, 1921. THE PARIS TOILET COMPANY. Renewed May 24, 1941, to Golden Peacock, Incorporated, Paris, Tenn., a corporation of Tennessee, by change of name.

143,143. **MOTHER'S.** CRUSHED OATS, WHEAT-HEARTS, WHEAT-FLAKES, OATMEAL, HOMINY, CORNMEAL, GRAHAM FLOUR, AND WHEAT-FLOUR. Registered May 24, 1921. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed May 24, 1941.

143,184. **JOHN B. STETSON CO.** SOFT AND STIFF FELT HATS AND CAPS FOR MEN AND BOYS. Registered May 24, 1921. JOHN B. STETSON COMPANY. Renewed May 24, 1941, to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania, successor.

143,560. **IPANA.** TOOTH-PASTE. Registered June 7, 1921. BRISTOL-MYERS COMPANY, Brooklyn, N. Y. Renewed June 7, 1941, to Bristol-Myers Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

143,571. **GOLDEN RULE.** MARSHMALLOW CRÊME AND EGG-POWDER COMPOUND. Registered June 7, 1921. THE CITIZENS' WHOLESALE SUPPLY COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed June 7, 1941.

143,646. **SPRINGTIME.** LADIES' COTTON AND WOOLEN OUTING-SUITS CONSISTING OF COATS, CAPS, HATS, AND RIDING-BREECHES. Registered June 7, 1921. CAL HIRSCH & SONS MERCANTILE CO., St. Louis, Mo., and Los Angeles, Calif. Renewed June 7, 1941, to Hirsch Mercantile Company, Los Angeles, Calif., a corporation of California, successor.

144,017. **BEAVER.** FILES AND RASPS. Registered June 21, 1921. NICHOLSON FILE COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed June 21, 1941.

144,090. **KATAPILLA.** WOOLEN GOODS IN THE PIECE. Registered June 21, 1921. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed June 21, 1941, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine.

144,186. **CREOMULSION.** A MEDICINE FOR CERTAIN NAMED PURPOSES. Registered June 28, 1921. CREOMULSION COMPANY, Griffin, Ga. Renewed June 28, 1941, to Creomulsion Company, Atlanta, Ga., a corporation of Georgia, assignee.

144,568. **1780.** A CERTAIN NAMED MEDICINAL TONIC. Registered July 12, 1921. THE DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Renewed July 12, 1941.

144,583. **THREE FLOWERS.** SOAP. Registered July 12, 1921. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed July 12, 1941.

144,615. **THE CREDIT MONTHLY.** MONTHLY PUBLICATION. Registered July 12, 1921. NATIONAL ASSOCIATION OF CREDIT MEN, New York, N. Y., an organized association of New York. Renewed July 12, 1941.

144,645. **CASCADE.** PACKING-HOUSE PRODUCTS—NAMELY, BACON, HAM, COOKED HAM, AND LARD. Registered July 12, 1921. VALLEY PACKING COMPANY, Salem, Oreg., a corporation of Oregon. Renewed July 12, 1941.

144,764. **REPRESENTATION OF A SHIELD.** BOOTS AND SHOES MADE OF LEATHER. Registered July 19, 1921. THE FLORSHEIM SHOE COMPANY. Renewed July 19, 1941, to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois, assignee.

144,918. **LEATHERWOVE.** ARTIFICIAL LEATHER. Registered July 19, 1921. SANFORD MILLS, Sanford, Maine, a corporation of Maine. Renewed July 19, 1941.

145,061. **GOLDEN RULE.** BLACK INK AND RED INK. Registered July 26, 1921. THE CITIZENS' WHOLESALE SUPPLY COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed July 26, 1941.

145,320. **PARKSDALE.** OLEOMARGARIN. Registered August 2, 1921. BEATRICE CREAMERY COMPANY, Chicago, Ill., and Topeka, Kans. Renewed August 2, 1941, to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware, assignee.

145,343. **CRAWFORD.** TIRE-COVERS. Registered August 2, 1921. CRAWFORD MANUFACTURING COMPANY INC., Richmond, Va., a corporation of Virginia. Renewed August 2, 1941.

145,360. **REPRESENTATION OF A WOMAN.** A CLEANING AND SCOURING PREPARATION FOR GLASS AND METAL, ETC. Registered August 2, 1921. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed August 2, 1941.

145,454. **EDELWEISS.** GINGER-ALE. Registered August 2, 1921. SCHOENHOFEN COMPANY. Renewed August 2, 1941, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

145,455. **EDELWEISS.** ROOT-BEER. Registered August 2, 1921. SCHOENHOFEN COMPANY. Renewed August 2, 1941, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

145,488. **ROYAL.** PUDDINGS AND PIE-FILLINGS. Registered August 2, 1921. CHARLES T. WHITTIER. Renewed August 2, 1941, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

145,489. **PENN.** FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPE-FRUIT. Registered August 2, 1921. WHITTIER CITRUS ASSOCIATION. Renewed August 2, 1941, to Whittier Citrus Association, Whittier, Calif., a corporation of California, assignee.

145,548. **COMMUNITY SERVICE.** PRINTED PAMPHLETS, CIRCULARS, AND BOOKS. Registered August 9, 1921. COMMUNITY SERVICE (INCORPORATED), New York, N. Y., a corporation of Delaware. Renewed August 9, 1941.

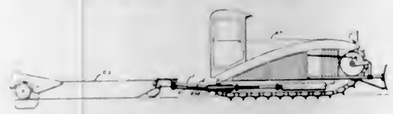
145,571. **ARCH DEVELOPER.** BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. Registered August 9, 1921. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed August 9, 1941, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee.

145,572. **ARCH COMBINATION.** BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. Registered August 9, 1921. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed August 9, 1941, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee.

21,756
STEERING DEVICE FOR POWER PROPELLED VEHICLES

Isaac Forbes Davidson, Salem, Oreg.

Original No. 2,112,559, dated March 29, 1938, Serial No. 47,467, October 30, 1935. Application for reissue August 24, 1939, Serial No. 291,783
6 Claims. (Cl. 280—33.5)

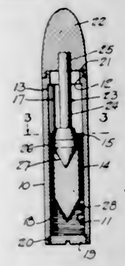


1. The combination of, a "caterpillar" tractor and a sled-like trailing steering appendage drawn by said tractor, said steering appendage coupled to said tractor by an adjustable hitch, so as to pull said tractor and steering appendage together at an angle on either side, said tractor having a traction-belt element adapted to make a rut of the width of the steering appendage and of substantial depth when traveling in deep soft snow in which rut said steering appendage will follow, the weight of said steering appendage adapted to hold it in said rut, whereby, when said hitch is manipulated so as to force said tractor and said steering appendage into angular position with each other, the resistance of the side wall of the rut to the turning of the steering appendage will impose a drag on one side of the tractor and cause it to turn towards that side.

21,757
COSMETIC DEVICE

Thorpe W. Deakers, Los Angeles, Calif., and Lloyd A. Schmucker, deceased, late of Los Angeles, Calif., by Marguerite Schmucker, administratrix, Los Angeles, Calif.

Original No. 2,193,509, dated March 12, 1940, Serial No. 229,342, September 10, 1938. Application for reissue August 4, 1940, Serial No. 351,428
8 Claims. (Cl. 132—79)

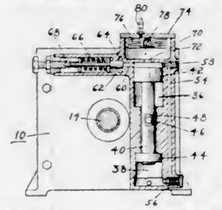


1. A device of the class described comprising a receptacle having a bore and a longitudinal groove in the wall of the bore; a tubular cosmetic holder movably mounted in the bore and having a lug working in said groove to confine the holder to axial movement; a spring in the bore urging the holder outwardly thereof to one extreme position; a closure having screw-threaded connection with the receptacle; and an applicator fixed to the closure and having a head adapted to enter said holder by contact with the contents thereof, and to reversely move the holder against the action of said urging means.

21,758
POWER TRANSMISSION

George A. Foisy, New Haven, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut

Original No. 2,114,443, dated April 19, 1938, Serial No. 68,433, March 12, 1936. Application for reissue January 31, 1940, Serial No. 316,593
8 Claims. (Cl. 103—38)



1. In a fluid pressure energy translating device the combination of means for varying the effective displacement of the device, a pair of oppositely acting, normally balanced piston faces operatively associated with the displacement varying means, and conduits connecting each piston face with one side of the working circuit of the translating device, and including a small bypass from the high pressure side of the device to a point of lower pressure and having an intermediate portion in communication with one of said piston faces, said bypass being continuously open when the piston faces are stationary and including a resiliently biased valve and a fixed restriction one of which controls the inlet to said one piston face and the other of which controls the outlet therefrom, said valve being responsive to a predetermined increase or decrease in the operating fluid pressure on said pressure responsive means, for unbalancing said piston faces in a manner to move the displacement varying means in the direction tending to counteract said change, whereby the displacement varying means may be brought to and maintained stably in the position corresponding to any load requirement.

21,759
ELECTRIC VALVE CIRCUIT

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original No. 2,093,329, dated September 14, 1937, Serial No. 89,597, July 8, 1936, which is a division of Serial No. 57,190, January 2, 1936. Application for reissue March 26, 1938, Serial No. 198,342
21 Claims. (Cl. 175—363)

1. In combination, an alternating current supply circuit, a load circuit, electric valve means interconnecting said circuits, and means comprising a non-linear resonant circuit energized from said supply circuit and a source of alternating voltage for controlling the conductivity of said

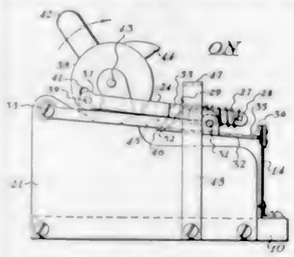
valve means in a predetermined manner for voltages of said supply circuit below a predeter-



mined value and for controlling the conductivity of said valve means in a different manner for voltages above said predetermined value.

21,760
CIRCUIT BREAKER
Alfred J. Thomson, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original No. 2,102,295, dated December 14, 1937, Serial No. 659,714, March 6, 1933. Renewed January 11, 1937. Application for reissue September 9, 1940, Serial No. 356,071
10 Claims. (Cl. 200—116)

1. A circuit breaker operating mechanism including an elongated pawl fixedly pivoted at one end to a fixed part, and normally held down at the other end by an overload release part, an operating crank fixedly pivoted to a fixed part and having a reset part for engaging said pawl and resetting it by moving it downwardly after it has been released by said release part and moved upwardly, an operating link connected at one end

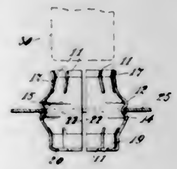


to said crank by a positive, lost-motion pivotal connection and positioned alongside said pawl, with its aforesaid pivotal connection adjacent the pivotal connection of the pawl, a compression spring on the end of said operating link adjacent the release part, and a spring compression link pivotally connected to the operating link and to the pawl.

PATENTS

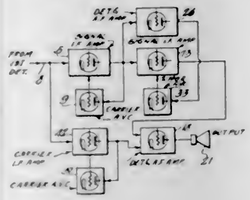
GRANTED APRIL 1, 1941

2,236,496
CONDENSER CLAMP
Alan H. Beggs, Montclair, N. J., assignor to The Palnut Company, Inc., Irvington, N. J., a corporation of New Jersey
Application November 18, 1937, Serial No. 175,260
2 Claims. (Cl. 248—27)



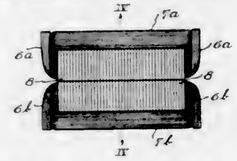
1. A device of the character described comprising a split sleeve of resilient metal, said sleeve having an indentation extending therearound substantially midway between the top and bottom edges thereof, said sleeve being provided with slots extending longitudinally inwardly from the top and bottom edges thereof defining spring fingers, the lower fingers having their ends turned inwardly to provide a flange of interrupted continuity, said spring fingers being radially yieldable for the introduction of a container into said clamp and removal of such container therefrom while the clamp is in assembly with the wall of an aperture, said flange forming a stop for a container introduced into said clamp.

2,236,497
SELECTIVE FADING CONTROL SYSTEM
George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1939, Serial No. 269,854
11 Claims. (Cl. 250—20)



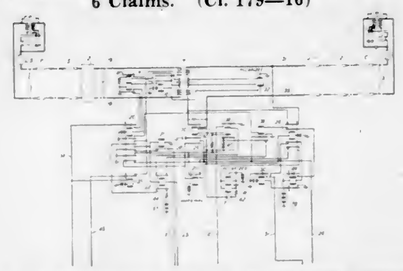
1. In a radio receiving system for modulated carrier wave signals, the combination of a signal detector having an audio frequency output circuit, signal-amplifying means connected with said detector to apply incoming signals thereto and including a plurality of signal-amplifying portions, gain-control means for varying the gain of one portion of said signal-amplifying means in response to a change in the strength of a received carrier wave, and gain-control means for varying the gain of another portion of said signal-amplifying means in response to an increase in the percentage modulation of received signals above a predetermined value, of the order of one hundred percent.

2,236,498
DEFLECTING YOKE
Albert Blain, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 21, 1940, Serial No. 325,130
4 Claims. (Cl. 250—157)



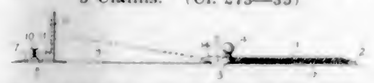
1. A deflecting yoke comprising a pair of oppositely disposed horizontal deflecting coils, a magnetic shell or core surrounding said horizontal deflecting coils, and a pair of oppositely disposed vertical deflecting coils wound on said core with each vertical deflecting coil located opposite a horizontal deflecting coil, said vertical deflecting coils being so connected that their magnetic fields are in bucking relation.

2,236,499
TELEPHONE SYSTEM
Orfeo Cesareo, Washington Township, Bergen County, N. J., and Robert O. Rippere, Massapequa, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,480
6 Claims. (Cl. 179—16)



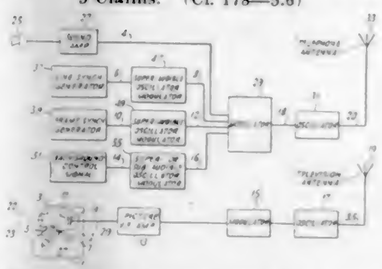
1. In a telephone system, a repeater comprising a register switch for registering a series of incoming impulses, an impulse transmitter for generating and transmitting a series of outgoing impulses, a counting switch for counting a series of outgoing impulses, means controlled by said impulse transmitter for operating said counting switch, a series of discharge tubes for the successive positions of said switches, each tube having its electrodes connected to the corresponding position terminals of both said switches, means effective following the completion of an impulse series to discharge one of said tubes to mark the position to which said register switch was set in response thereto, and means controlled through the discharged tube and a terminal of said counting switch to terminate the series of outgoing impulses when said counting switch is advanced to the position corresponding to the position taken by said register switch.

2,236,500
GOLF PRACTICING DEVICE
Elmon C. Gillette, New York, N. Y.
Application February 16, 1940, Serial No. 319,219
5 Claims. (Cl. 273—35)



1. In a golf practicing device employing a ball tethered to a base on a resilient cord, a target comprising a board, a solid target plate, a horizontal hinge supporting the target plate at its lower edge on the board, yieldably retaining the target plate in a substantially vertical position, supplementary target plates, and means to hingedly support the supplementary plates at the substantially vertical side edges of the main target plate and to yieldably retain them in a substantially parallel alignment with the main target plate, the supplementary plates being substantially smaller than the main target plate.

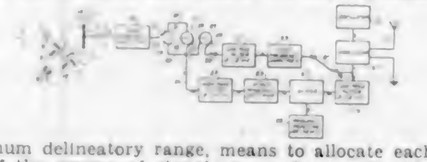
2,236,501
TELEVISION-TELEPHONE SYSTEM
Alfred N. Goldsmith, New York, N. Y.
Application December 27, 1937, Serial No. 181,853
5 Claims. (Cl. 178—5.6)



1. In a television system, means for producing carrier frequency energy, means for developing video signals and means for modulating the produced carrier frequency energy by the developed video signals, means for producing a plurality of controlling signals for controlling the reproduction of the produced video signals at all points of reception, means for producing sound signals accompanying the produced video signals, means for producing a second carrier frequency having a predetermined frequency spacing from the first produced carrier frequency energy, means for producing auxiliary sub-carrier frequencies of a number corresponding to the number of auxiliary controlling signals produced for controlling the reproduction of video signals at reception points therefor, means for modulating each of the produced auxiliary sub-carrier frequencies by individual controlling signals, and means for modulating the second produced carrier frequency by both the sound signals and the control signal modulated auxiliary sub-carrier frequencies.

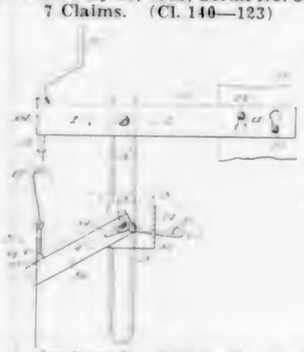
2,236,502
COMPOSITE-DELINEATION TELEVISION
Alfred N. Goldsmith, New York, N. Y.
Application May 19, 1938, Serial No. 208,810
17 Claims. (Cl. 178—6.8)

1. A television system comprising means for repeatedly scanning a complete field of view at a predetermined cyclically recurring scanning sequence rate so as to produce for each scanning of the complete field electrical signals of selected maximum delineatory range, means for deriving from the signals resulting from the scannings of the complete field of view sequentially occurring groups of electrical signals representative of different selected delineatory ranges of depiction of the complete field within the selected maxi-



mum delineatory range, means to allocate each of the groups of signals to predominantly like frequency ranges, and means for sequentially transmitting signals controlled from the sequentially selected groups of delineatory energies.

2,236,503
WIRE LOOP FORMING DEVICE
John Heidrich, Los Angeles, Calif.
Application July 10, 1940, Serial No. 344,751
7 Claims. (Cl. 140—123)



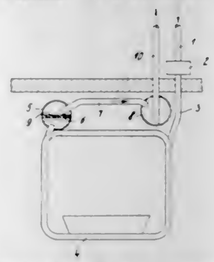
1. In a wire loop forming device, a support, a shaft journalled on said support, a hook on the lower end of said shaft, a member mounted for vertical adjustment on said support, a plate mounted for vertical adjustment on said member, an arm pivoted on said plate, means on said arm for receiving and holding a wire that is to be twisted to form a loop and adjustable means for yieldingly resisting upward swinging movement of said arm.

2,236,504
MANUFACTURE OF STEEL
Charles H. Herty, Jr., Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 28, 1938, Serial No. 221,696
16 Claims. (Cl. 75—45)



4. In a process of treating steel, the steps of casting a rimming steel in the mold, allowing the rimming to proceed until a skin of the desired thickness is formed, adding a solid oxidizing agent in predetermined amounts to effect the desired decarbonization of the steel, and employing a slag upon the surface of the metal in the mold to moderate the vigor of the reaction between the oxidizing agent and the carbon in the steel.

2,236,505
EVAPORATOR FOR REFRIGERATING APPARATUS OF THE COMPRESSION TYPE
Rudolf Hintze, Berlin-Charlottenburg, Germany, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application August 31, 1938, Serial No. 227,786
In Germany August 27, 1937
3 Claims. (Cl. 62—126)



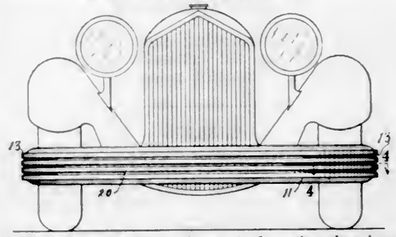
1. An evaporator unit for refrigerating apparatus of the compression type, comprising three evaporator sections, the first of said sections having inlet means for supplying liquefied refrigerant and any liquid lubricant that might be entrained thereby, the second of said sections consisting of a collecting tank arranged to receive liquid refrigerant-lubricant mixture passed through said first section, and the third of said sections forming a vessel for evaporating residual liquid refrigerant, in combination with a connecting conduit arranged between said second and said third evaporator sections so as to permit the developing of a free liquid level in said second section in order to separate lubricant and liquid refrigerant in said second section, and a suction conduit connected with said third section and having its opening near the bottom of said third section for withdrawing vaporized refrigerant therefrom, said third section having a cross section considerably greater than that of said suction conduit, whereby liquid lubricant passing from said second section into said third section is caused to collect at the bottom of said third section and to be entrained by the vaporized refrigerant passing from said third section to the compressor of the refrigerating apparatus.

2,236,506
SHOELACE HOLDING DEVICE
Albert W. H. Hirsch, Tampa, Fla.
Application June 25, 1940, Serial No. 342,388
5 Claims. (Cl. 24—121)



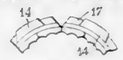
1. In a device of the class described, the combination of a casing provided at opposite portions with lace receiving means, a yieldable clamping unit in said casing and positioned between said opposite portions, and means provided with a grip outside of said casing and being connected to said yieldable clamping unit, whereby said unit can be operated by the operator.

2,236,507
PNEUMATIC BUMPER
Alfred F. Kreitz, Akron, Ohio
Application April 16, 1938, Serial No. 202,503
6 Claims. (Cl. 293—55)



1. In a bumper, an elongated casing having an opening along one side thereof, said casing having an endless base of uniform cross sectional shape which extends entirely around said opening, a rounded rib projecting laterally from the outer side of said base and extending entirely thereabout, an endless wire reinforcing element embedded in said base and extending longitudinally thereof; a mounting plate having rounded ends, the entire perimetric portion of said plate curved forwardly and inwardly to overhang said plate and form a continuous clincher flange, said casing mounted on said plate with said flange engaging said rib to hold the casing in an operative position on said plate without additional fastening means.

2,236,508
SPREADABLE BRAKE BODY PARTICULARLY ADAPTED FOR BICYCLE HUBS
Alfred Lesage, Schweinfurt, Germany
Application June 26, 1939, Serial No. 281,190
In Germany July 5, 1938
4 Claims. (Cl. 188—251)

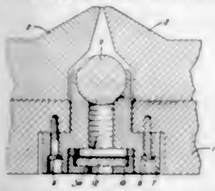


1. A spreadable brake body particularly adapted for free wheel hubs of bicycles and provided with a resilient brake lining, said brake lining comprising a mixture of hard particles and a binding medium which after solidification is resilient, and being shaped into flat dish-like members arranged in continuous longitudinal notches distributed in a large number upon the circumference of the said spreadable body, said brake lining slightly projecting beyond ledge-shaped parts of said spreadable body bordering said notches, when said brake body is in inoperative brake position and said members are at normal temperature.

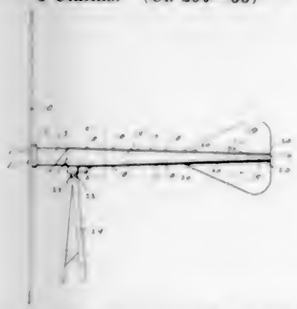
2,236,509
OPTICAL MOUNTING
Emanuel C. Manderfeld, Los Angeles, Calif., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware
Application April 16, 1940, Serial No. 329,853
10 Claims. (Cl. 88—61)

1. In a light valve having an apertured pole-piece, a mounting plate projecting into the aperture in said pole-piece, said mounting plate hav-

ing an aperture aligned with the aperture in said pole-piece, an opaque plate attached to and supported by said mounting plate and having a light transmitting slit centrally located in the aperture in said mounting plate.

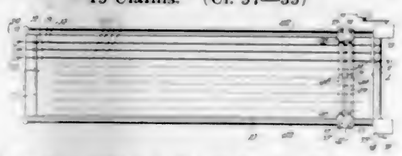


2,236,510
STREAMLINE HOUSING AND VANE SUPPORT FOR WIND DRIVEN ELECTRIC UNITS
John R. Albers, Sioux City, Iowa, assignor to Wincharger Corporation, Sioux City, Iowa, a corporation of Minnesota
Application June 15, 1939, Serial No. 279,323
5 Claims. (Cl. 290—55)



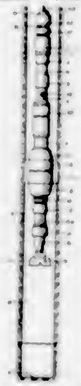
1. A housing and vane support for wind driven electric units comprising a rearwardly extending conical member having its base portion attached peripherally about a generator rear end, said conical member converging rearwardly, a tail vane attached at the rear portion thereof, means for hingedly attaching said conical structure adjacent to said generator rear for causing pivoting of the same with respect to said generator.

2,236,511
PROCESS AND APPARATUS FOR MAKING GUT STRINGS
Carl G. Bjorkman, Chicago, Ill.
Application October 30, 1939, Serial No. 302,063
15 Claims. (Cl. 57—35)



1. The process of making gut string which includes twisting a skein of gut ribbons of substantially uniform length in a bath of liquid while applying tension to the skein, and while yieldably applying a molding pressure to a portion of the skein where twisting action is taking place and which has not yet been twisted too tightly to permit readjustment of the ribbons with respect to one another.

2,236,512
WELL TESTING TOOL
Alexander Boynton, San Antonio, Tex.
Application October 4, 1938, Serial No. 233,238
16 Claims. (Cl. 166—1)



1. A testing device for wells including in combination, a drill stem, a housing thereon, an expansible packer carried by said housing, a reservoir of liquid also in said housing, and means operable independently of said drill stem to force liquid from said reservoir into said packer to set the packer against the wall of the well bore.

2,236,513
FIRE EXTINGUISHER
Hamilton Bradshaw, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 28, 1939, Serial No. 281,527
4 Claims. (Cl. 23—8)

3. A fire-extinguishing unit comprising acidic and basic constituents adapted to unite in aqueous solution to produce fumes non-supporting to combustion, the acid constituent of which consists of dry crystalline sulfamic acid.

2,236,514
GEL-TYPE OXIDE CATALYST
Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 17, 1939, Serial No. 262,492
15 Claims. (Cl. 252—232)

1. In a process of making a catalyst, coprecipitating an aluminum and chromium gel type oxide catalyst, washing the same, and drying at a temperature of 140–160° F. for at least 60 hours, then drying the catalyst at 400° F.

12. In a process of making a catalyst, feeding to a mixing zone in smooth stream flow a solution of salts of aluminum and chromium respectively, admixing a precipitant which forms a gel type oxide by reaction with said salts at a rate in lag of the theoretical amount for complete precipitation, and after the feed of the salt solution is finished admixing precipitant sufficient in amount to complete the precipitation, washing the precipitate, subdividing into desired size, drying at 140–160° F. for at least 60 hours, and drying at about 400° F.

14. A gel type catalyst of aluminum and chromic gel type oxides, the proportions being from 70–82 mol per cent of aluminum oxide to 30–18 mol per cent of chromic oxide.

2,236,515
PREPARATION OF ORGANIC NITROGENOUS BASE SALTS
Frank J. Cahn and Morris B. Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 11, 1938, Serial No. 190,034
16 Claims. (Cl. 260—501)

1. The method of preparing derivatives of the group consisting of sulphates, sulphonates and phosphates of higher molecular weight alcohols containing at least six carbon atoms, the acidic hydrogen of the sulphate, sulphonate or phosphate group of which is replaced by an organic nitrogenous base, which includes the steps of reacting an organic nitrogenous base, a derivative selected from the group consisting of sulphates, sulphonates and phosphates of higher molecular weight alcohols the acidic hydrogen of which derivative is replaced by an alkali metal cation, and an acid which reacts with said alkali metal cation of said derivative to produce a salt which is less soluble than the derivative constituting one of the reactants whereby a precipitate is formed, and then separating said precipitate from the solution.

2,236,516
ESTERS OF HYDROXY POLYCARBOXYLIC ACID DERIVATIVES
Frank J. Cahn and Benjamin R. Harris, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 30, 1938, Serial No. 243,120
24 Claims. (Cl. 260—410)

1. A process of preparing new chemical compounds which comprises reacting an alcohol containing at least four carbon atoms with a carboxylic acid ester of an aliphatic hydroxy polycarboxylic acid anhydride.

13. From water-soluble to water-dispersible chemical compounds comprising reaction products of carboxylic acid esters of aliphatic hydroxy polycarboxylic acid anhydrides and a member selected from the group consisting of higher molecular weight aliphatic partial ethers and partial esters of aliphatic polyhydoxy substances, the higher molecular weight aliphatic radical containing at least eight carbon atoms.

2,236,517
COMPOSITION OF MATTER
Frank J. Cahn and Benjamin R. Harris, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 13, 1939, Serial No. 267,717
23 Claims. (Cl. 99—11)

1. A composition which is adapted to disperse in aqueous media comprising an innocuous base ingredient and a proportion of a water-soluble to water-dispersible chemical compound comprising a reaction product of an anhydride of a carboxylic acid ester of a hydroxy polycarboxylic acid and a member selected from the group consisting of partial ethers and partial esters of aliphatic polyhydroxy substances.

3. A composition containing a member selected from the group consisting of provitamins and oil-soluble vitamin concentrates and a proportion of an innocuous water-soluble to water-dispersible chemical compound comprising a reaction product of an anhydride of a carboxylic acid ester of a hydroxy polycarboxylic acid and a member selected from the group consisting of partial ethers and partial esters of aliphatic polyhydroxy substances.

23. A composition containing an essential oil and a proportion of a water-soluble to water-dispersible chemical compound comprising an ester of a lower molecular weight carboxylic acid ester of a hydroxy polycarboxylic acid with an alcohol containing at least four carbon atoms.

2,236,518
PREPARATION OF ORGANIC NITROGENOUS BASE SALTS
Frank J. Cahn and Morris B. Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 5, 1940, Serial No. 312,500
17 Claims. (Cl. 260—401)

17. The method of preparing monoethanolamine salts of a chemical compound corresponding to the formula

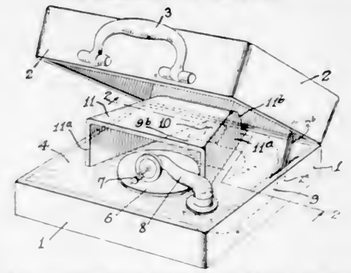


which comprises the steps of reacting, in aqueous media, the compound defined by said formula, tartaric acid, and monoethanolamine, and separating the resulting precipitate of potassium acid tartrate.

2,236,519
METHOD OF PRODUCING SILICON STEEL SHEET OR STRIP
Victor W. Carpenter, Franklin, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Application January 22, 1936, Serial No. 60,347. Renewed May 25, 1939
8 Claims. (Cl. 148—12)

5. A process of producing silicon steel having a silicon content of .15% to 4%, which comprises reducing by hot rolling silicon steel containing carbon substantially in excess of .015% to a gage which lies substantially between .06 and .11 inch, then decarburizing the hot rolled material by giving it a box annealing while the hot mill scale is still on its surface so as to reduce the carbon content of the steel to substantially no greater than .015%, then further reducing the material in gage by cold rolling.

2,236,520
PHONOGRAPH HORN FOR PORTABLE PHONOGRAPHS
Richard Hal Coffren, Washington, D. C.
Application April 23, 1940, Serial No. 331,248
8 Claims. (Cl. 274—2)



1. In combination with a portable phonograph having a turntable, reproducer, reproducer arm,

motor board and portable cabinet, a tone arm in communication with the reproducer arm and positioned beneath and concealed by the motor board, said motor board forming the top wall of the tone arm, said tone arm extending parallel with the side of the phonograph adjacent to which the reproducer arm is mounted and curving near the rear of the cabinet and thence extending parallel with the rear of the cabinet and gradually expanding in cross-sectional area but terminating in an opening of reduced size at the surface of the motor board, a slightly upwardly inclined wall extending from the surface of the motor board and reducing the cross-sectional area of the opening of the horn from beneath the motor board to modify the tone of bass notes, a tone-modifying horn positioned over the aforesaid opening and above the motor board and supported thereon and comprising an upwardly and forwardly curved rear wall continuing forwardly as a horizontal top wall and disposed parallel with the motor board and extending only part way over the turntable to prevent interference with the reproducer arm, and outwardly expanding side walls on which said top wall is supported and which in turn are mounted on the motor board, the motor board forming the bottom wall of said horn.

2,236,521

INK

Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware

No Drawing. Application August 12, 1937, Serial No. 158,737

6 Claims. (Cl. 134—35)

1. A printing ink comprising zein, a solvent for the zein, linseed fatty acids and a coloring agent.

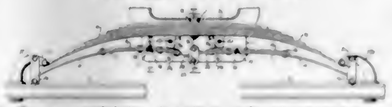
2,236,522

STABILIZING MEANS FOR VEHICLES

Junius Ford Cook, Johannesburg, Transvaal, Union of South Africa

Application March 11, 1938, Serial No. 195,404
In the Union of South Africa March 17, 1937

7 Claims. (Cl. 267—11)



1. In a vehicle having wheel-carrying axle means and a chassis, the combination, with said axle means and chassis, of a weight-carrying spring, means comprising a pivot for connecting the spring with the chassis at the medial portion of the spring, said spring being anchored on said axle means on opposite sides of said medial portion, whereby the chassis is yieldingly supported, yet tiltable, on said pivot for angular movement with respect to said axle means, and stabilizing means interconnected between said chassis and said axle means and comprising a pair of leaf springs having adjacent ends interconnected for relative angular movement, the remote ends of each of said leaf springs being connected on said axle means and each spring being pivotally connected on the chassis on opposite sides of said pivot, whereby the weight-carrying spring normally serves only to support the weight of the chassis on the axle means while the stabilizing means normally serves only to resist tilting movement of the chassis with respect to the axle means.

2,236,523

CELLULOSE ETHERS

Cole Coolidge, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 3, 1939, Serial No. 297,661

3 Claims. (Cl. 260—231)

2. The process of preparing cellulose ethers which comprises treating cellulose with caustic alkali in the presence of water to form alkali cellulose, treating the alkali cellulose at room temperature with an etherifying agent mist to form the cellulose ether, the amount of etherifying reagent contacted with the cellulose being sufficient to produce a cellulose ether of 0.045 mols of substitution but insufficient to produce a cellulose ether of more than 1.5 mols of substitution.

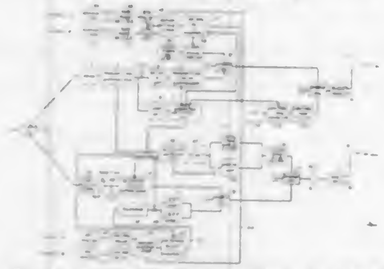
2,236,524

COMMUNICATION SYSTEM

Austen M. Curtis, South Orange, N. J., and Alfred E. Melhose, St. Albans, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 8, 1939, Serial No. 283,342

4 Claims. (Cl. 178—66)



1. In a communication system, a signaling channel including a mutable link, means at the transmitting end of said channel for sending alternating current signals of a predetermined frequency band, means at the receiving end of said channel for receiving and translating alternating current signals, a narrow band-pass filter for admitting to said receiving circuit signals of said predetermined frequency band and in parallel therewith a narrow band-pass filter for admitting to said receiving circuit signals of the second harmonic of said predetermined frequency band.

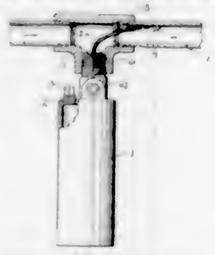
2,236,525

GAS DETECTOR

Robert E. Davis, Houston, Tex.

Refiled for abandoned application Serial No. 506,173, January 2, 1931. This application November 27, 1939, Serial No. 306,342

1 Claim. (Cl. 261—104)



A gas odorizer including a liquid odorant container, means to attach said container to the gas pipe line, a wick projecting from said container into the pipe, the length of the wick projecting into the pipe being greater than the inside diameter of the pipe so that it is caused to bend over and extend along the pipe, and a spring means tending to oppose such bending and support the wick in a position extending across the pipe so that a maximum wick surface is exposed to the gas flow in the pipe.

2,236,526

NONFIBROUS STRUCTURE AND METHOD FOR PREPARING SAME

Donald Ellsworth Drew, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application August 30, 1938, Serial No. 227,524

13 Claims. (Cl. 91—68)



11. The process of preparing uniformly sized dry regenerated cellulose web from gel regenerated cellulose web, which comprises determining the widthwise shrinkage pattern of the web during drying and applying a size to the web while it is still wet, the amount of size applied to the web being inversely proportioned to the shrinkage of that portion of the web where it is applied, and thereafter drying the web so that it shrinks in the predetermined pattern.

2,236,527

ADHESIVE SHEET AND METHOD OF MAKING

Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application December 23, 1938, Serial No. 247,486

14 Claims. (Cl. 91—68)

5. A flexible adhesive sheet or tape having a porous paper backing impregnated and unified by a substantially non-tacky highly cohesive fluxed blend largely composed of broken-down rubber, admixed compatible water-insoluble solid resin adapted to impart firmness and increase the cementing action upon the fibres of the paper, and reinforcing pigment, said impregnating components being present in proportions such that the blend is flexible and stretchable but inelastic, and a normally tacky and pressure-sensitive adhesive coating firmly united to the backing.

2,236,528

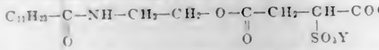
DERIVATIVES OF ALCOHOL AMINES

Albert K. Epstein and Morris Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 22, 1939, Serial No. 280,526

17 Claims. (Cl. 260—401)

10. Chemical compounds having the formula



wherein Y is a cation selected from the group consisting of alkali metals, ammonia, and ethanolamines.

2,236,529

DERIVATIVES OF ALCOHOL AMINES

Albert K. Epstein and Morris Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application July 22, 1939, Serial No. 285,956

20 Claims. (Cl. 260—401)

1. An alcohol amine in which hydroxyl hydrogen is replaced by the acyl radical of an aliphatic sulpho-poly-carboxylic acid, and in which hydrogen of the alcohol amine is replaced by an aliphatic carboxylic acyl group containing at least four carbon atoms.

2,236,530

SULPHOCARBOXYLIC ACID ESTERS OF ALCOHOL AMINE DERIVATIVES

Albert K. Epstein and Morris Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application September 28, 1939, Serial No. 296,918

18 Claims. (Cl 260—401)

12. Chemical compounds having the formula



wherein Y is a cation selected from the group consisting of alkali metals, ammonia, and ethanolamines.

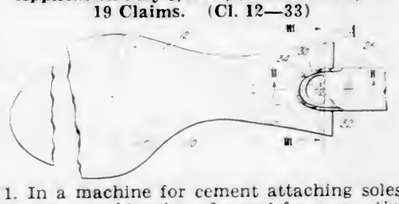
2,236,531

MACHINE FOR USE IN THE MANUFACTURE OF SHOES

Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application July 6, 1939, Serial No. 282,985

19 Claims. (Cl. 12—33)



1. In a machine for cement attaching soles to shoes, the combination of a pad for supporting a shoe and an outsole which terminates a short distance rearwardly of the heel breast line of the shoe, means for engaging a recess in the rear portion of said outsole and maintaining the outsole in a predetermined position on the pad, mechanism for engaging the shoe and positioning it relatively to the outsole, means for applying pressure to the outsole and shoe to cement attach the outsole to the shoe bottom, and means extending forwardly of the sole engaging means for maintaining the central portion of the rear end of the outsole separate from the shoe bottom under said pressure, thereby providing an opening between the outsole and shoe bottom.

2,236,532

CONSTANT FREQUENCY GENERATOR

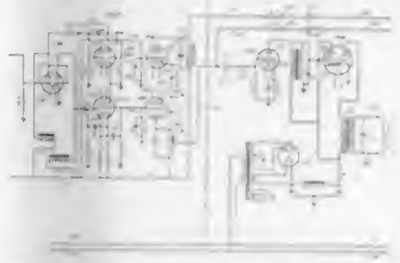
Thomas B. Gibbs, Chicago, Ill.

Application February 4, 1937, Serial No. 123,994

2 Claims. (Cl. 250—36)

1. In a frequency divider, a multi-vibrator, two other multi-vibrators operating at different frequencies each of which is a sub-multiple of the frequency of said first multi-vibrator, and space

discharge means for causing said first multi-vibrator to control each of said other multi-vibrators independent of the other, said means in-



cluding grid circuits coupled to said first multi-vibrator and plate circuits coupled to said other multi-vibrators, respectively.

2,236,533

CELLULOSE ETHERS

Frederick C. Hahn, Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 21, 1937 Serial No. 180,930

11 Claims. (Cl. 260—231)

1. The process which comprises dissolving 174 parts of caustic soda in 352 parts of 50% caustic soda solution at 70° C., adding the resultant to 792 parts of benzene to form a two layer system, adding 140 parts of granulated high alpha cellulose wood pulp board containing 0.5% of sodium isobutyrate, and agitating at 70°–90° C. until the benzene is clear and the caustic soda solution uniformly distributed throughout the cellulose.

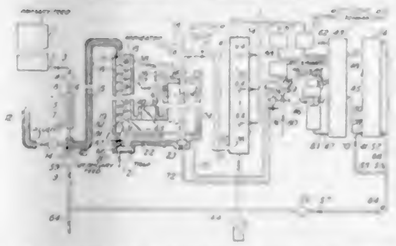
2,236,534

MANUFACTURE OF ACETYLENE, INCLUDING RECYCLING

Rudolph Leonard Hasche, Kingsport, Tenn., assignor, by mesne assignments, to Wulff Process Company, Los Angeles, Calif., a corporation of California

Application July 10, 1937, Serial No. 153,042

10 Claims. (Cl. 260—679)



1. A process for the manufacture of acetylene, which comprises subjecting a saturated hydrocarbon capable of conversion to acetylene and ethylene, to a pyrolysis treatment, conducting the pyrolysis treatment at a temperature between about 800° C. and 1450° C. for a residence period of less than $\frac{1}{10}$th of a second to obtain a gaseous mixture containing more than 5% acetylene together with an ethylene content at least 50% greater than the acetylene content, subjecting the mixture to treatment for separating an ethylene component and returning at least a major part of the ethylene component together with further saturated hydrocarbon to the aforementioned pyrolysis treatment.

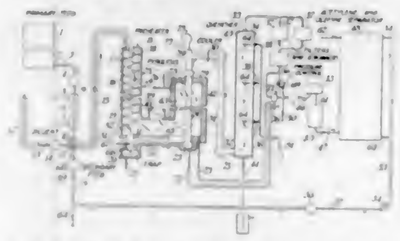
2,236,535

MANUFACTURE OF ACETYLENE

Rudolph Leonard Hasche, Kingsport, Tenn., assignor, by mesne assignments, to Wulff Process Company, Los Angeles, Calif., a corporation of California

Application July 10, 1937, Serial No. 153,044

9 Claims. (Cl. 260—679)



1. A method for the manufacture of unsaturated hydrocarbons including acetylene from feed materials essentially comprised of non-acetylenic hydrocarbons suitable for decomposition into acetylene and olefines, which comprises preheating said feed materials to temperatures in excess of 750° C. for a period of time less than 5 seconds, sufficient to form some acetylene in the preheated feed, but insufficient to cause the formation of substantial quantities of carbon monoxide therein, substantially immediately subjecting the feed in its preheated condition to further heating at temperatures between 1150° C.–1450° C. for a period of time less than one-tenth of a second for forming substantial yields of acetylene and olefines, rapidly cooling the acetylene materials which have been formed, separating and recycling to the feed at least a part of said olefines.

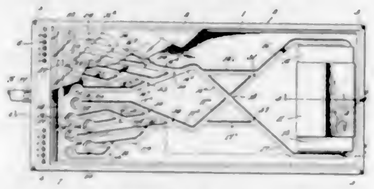
2,236,536

GAME

Robert W. Hilton, Bradford, Pa., assignor to Margaret W. Hilton, Bradford, Pa.

Application December 28, 1938, Serial No. 248,118

6 Claims. (Cl. 273—120)



3. In a game apparatus, a playing surface having side and end edges, a starting station adjacent one end of the playing surface, destinations spaced from the starting station, game pieces, a path leading from the starting station and having branches extending to the destinations, gates at entrances to the branches for guiding movement of the game pieces along said paths and their branches to predetermined destinations, said gates being normally in an inoperative position, and manually controlled means for individually moving the gates into position to guide the game pieces into selected ones of the branches.

2,236,537

QUARTER UNIT AND METHOD OF MAKING IT

Ralph A. Hyde, Brookline, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 17, 1937, Serial No. 148,673

4 Claims. (Cl. 12—146)



4. As an article of manufacture, a complete unflanged upper unit for the heel portion of a shoe comprising upper, counter and lining pieces having their top edges in approximate coincidence and their adjacent surfaces connected together by means of a yieldable adhesive, the bottom edge portions of the several layers being pressed together and secured against relative displacement by a series of transversely disposed indentations formed therein.

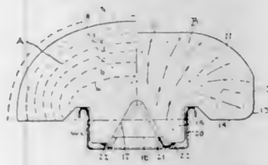
2,236,538

EVAPORATOR

Otto J. Kuenhold, Shaker Heights, Ohio, assignor to Monmouth Products Company, Cleveland, Ohio, a corporation of Ohio

Application October 6, 1938, Serial No. 233,631

6 Claims. (Cl. 299—20)



1. In an evaporator, the combination of a water reservoir, a plurality of porous evaporator plates adapted to extend upwardly and outwardly from said reservoir, a supporting rack for said plates comprising an elongated strip of inverted V-shaped cross-section and having a series of spaced, vertical transverse slots for the reception of the bottom ends of said plates, and complementary recesses in said plates adapted to receive the edges of said strip adjacent said slots.

2,236,539

PULLING-OVER MACHINE

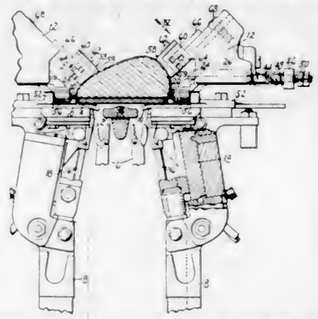
Harold Lane, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application April 17, 1940, Serial No. 330,151

In Great Britain May 26, 1939

3 Claims. (Cl. 12—4)

1. In a pulling-over machine, the combination with a shoe rest arranged to support a last against heightwise movement by engagement with an insole on the last, grippers for pulling an upper over the last at the opposite sides of the last, fastening-inserting devices movable widthwise of the last into positions for driving fastenings through the upper and into the insole near the edge of the insole, and side clamp arms movable widthwise of the last into positions to control the last and shoe prior to such positioning movements of the fastening-inserting devices, of gaging devices carried by said clamp arms and yieldingly controlled thereby for engaging the shoe and limiting as determined by the shoe the positioning movements of the fastening-inserting de-



vices, said gaging devices comprising gage members so formed and arranged as to limit them substantially to engagement with the upper in locations opposite the edge face of the insole, and clamp members also carried by said clamp arms for engaging the upper over portions of the top of the forepart and for thereby holding the last and shoe against heightwise displacement relatively to the shoe rest, said clamp members being so supported on said arms as to prevent any bodily yield thereof relatively to the arms when they are in clamping positions.

2,236,540

FUNGICIDE

Albert S. Johnston, Smithfield, N. C.

No Drawing. Application March 10, 1939, Serial No. 261,117

4 Claims. (Cl. 167—14)

1. A fungicidal composition comprising an alkali metal permanganate and ferric sulphate said sulphate acting to liberate more of the oxygen of the permanganate for fungicidal purposes than is liberated in the absence of said sulphate.

2,236,541

PREPARATION OF SULPHONIC DERIVATIVES

Morris B. Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 14, 1939, Serial No. 309,162

25 Claims. (Cl. 260—401)

18. The process of preparing chemical compounds which comprises reacting the methyl ester of chloracetic acid with monoethanolamine, in a substantially non-aqueous medium, at temperatures of about −10 degrees C. to about +10 degrees C. to produce essentially N-beta-hydroxyethyl, chloracetamide, then reacting said amide with lauroyl chloride to produce the lauric acid ester of said amide, and then reacting said compound with an alkali metal sulphite whereby the chlorine group of the lauric acid ester of the N-beta-hydroxyethyl, chloracetamide is replaced by a sulphonic group.

2,236,542
SURGICAL SUTURE
Clarence D. Lukens, St. Louis, Mo.
No Drawing. Application March 2, 1938, Serial No. 193,434
4 Claims. (Cl. 128—335.5)

1. A surgical suture composed of a sterilized strand of whole raw skin, substantially as described.

2,236,543
REMOTE REGISTERING COMPASS
Norman F. McFaddan, Los Angeles, Calif., assignor of one-third to H. Ivor Thomas and one-third to Lee T. Mullen, both of Los Angeles, Calif.
Application February 6, 1939, Serial No. 254,829
2 Claims. (Cl. 33—223)



1. In a remote registering compass, a compass card mounted for rotation on its axis, such card having at least one graduated opening, such opening being defined as having a radial base line and two converging side edges extending in a direction around the card from the base and converging substantially to an apex point, the said openings therefore defining on any radial line a gradually increasing radial distance from the apex to the base, a fixed source of light with means to project a beam of light on a compass card whereby a portion of the light passes through such opening or openings, a photo-electric cell mounted in a fixed position in reference to the light, a window transmitting light to the cell, such window being defined as having two radial side lines whereby in one position of the compass card in reference to the window, one of such lines will coincide with the base of the opening, an electric circuit connected with the cell and a remote indicating means operated by the electric circuit whereby in relative rotation of the compass card in reference to the light and the cell, the cell receives varying intensities of light and hence changing the current operating the indicator and thus the indicator producing an indication of the relative rotation of the compass card and the cell, the apex end of an opening terminating spaced a slight distance circumferential of the card from its own or the radial base line of the next adjacent similarly-shaped opening, the card having thus an opaque portion between such apex and the contiguous base line of approximately the same circumferential measurement as the measurement between two sides of the window transmitting light to the photo-electric cell.

2,236,544
PROCESS OF XANTHATING CELLULOSE ETHERS
Robert W. Maxwell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 16, 1938, Serial No. 190,700
13 Claims. (Cl. 260—226)

1. The process which comprises xanthating a cellulose ether which is insoluble in 6% aqueous caustic soda, which contains not more than 0.1 ether group per glucose unit of the cellulose, and which can be converted to a 6% aqueous caustic soda soluble form by increasing the amount of the substituent radical present in the cellulose ether, dissolving said xanthate in dilute caustic alkali and thereafter regenerating the said cellulose ether.

2,236,545
CELLULOSE GLYCOLIC ACID
Robert William Maxwell, Wilmington, and Louis Leonard Larson, Newark, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 8, 1938, Serial No. 233,952
8 Claims. (Cl. 260—231)

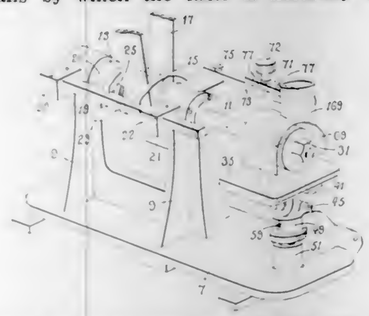
1. The process which comprises treating cellulose with aqueous caustic alkali to produce alkali cellulose, substituting and degrading the cellulose by treating the alkali cellulose with carboxy-methylating agent to produce the alkali metal salt of cellulose glycolic acid, the etherification reaction being continued until the cellulose has been substituted with 0.3 glycolic acid residues per glucose unit and degraded to the extent that the sodium salt of the cellulose glycolic acid is soluble in 5% aqueous caustic soda solution at 10°–35° C. and is precipitated therefrom upon neutralization of the free caustic soda when present in concentrations greater than 2% but is not precipitated therefrom upon dilution with water to concentrations of less than 0.5% followed by neutralization of the free caustic soda with 5% aqueous acetic acid, and thereafter stopping the etherification reaction before the cellulose has been substituted beyond 1.5 glycolic acid residues per glucose unit and degraded to the extent that the sodium salt of the cellulose glycolic acid is soluble in water upon standing or hand stirring.

2,236,546
HEAT SEALABLE MOISTUREPROOFING COMPOSITION
James A. Mitchell, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 1, 1939, Serial No. 276,802
28 Claims. (Cl. 91—68)

1. A transparent, moistureproof, heat sealable sheet wrapping material comprising a regenerated cellulose film coated with a moistureproofing composition, the solids of said coating comprising essentially film former consisting predominately of nitrocellulose, wax moistureproofing agent, plasticizer, and polyhydric alcohol ester of "Heet-Rex" acid, said "Heet-Rex" acid being a synthetic terpinene-maleic anhydride polybasic acid resin complex having an acid number of approximately 530, a molecular weight of approximately 215, a softening point of 40°–50° C., and comprising essentially 3-isopropyl-6-methyl-3:6-endo-ethylene-delta-4 - tetrahydrophthalic anhydride.

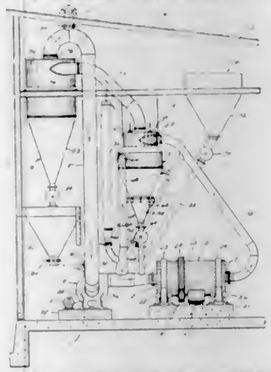
2,236,547
GROOVING MACHINE
Napoléon A. Monfils, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 20, 1938, Serial No. 209,095
6 Claims. (Cl. 12—40)

1. A grooving machine comprising a rotary power-driven cutter-head having peripheral milling teeth, a work-supporting table confronting said teeth, said table being movable in operation toward and from the cutter-head, resilient means by which the table is normally urged



toward the cutter-head, and one or more depth gages the work-engaging surfaces of which are adjacent to said teeth and located at a distance from the rotational axis of said cutter head no less than that of the roots of said teeth.

2,236,548
MATERIAL DISINTEGRATING AND AIR CLASSIFYING SYSTEM
William B. Prouty, Evanston, Ill.
Application November 6, 1937, Serial No. 173,208
7 Claims. (Cl. 83—93)

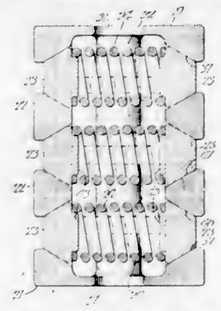


7. In a material disintegrating and air classifying system, a classifier, a fan, a discharge conduit for said fan, a passage for conducting air from said conduit and delivering the same tangentially into the upper portion of said classifier for causing air delivered therein to rotate in one direction, means for supplying ground material to said passage, a passage for conducting air from said discharge conduit and delivering the same tangentially into said classifier for causing air therein to rotate in the opposite direction, a valve for controlling the flow of air through said last named passage, a collector, means including conduits for conducting air from said classifier to said collector and for returning the same to the intake of said fan, a passage establishing communication between the discharge of said collector and the exterior of said system, a valve for controlling the flow of air through said last named passage, a passage for conducting air from said fan discharge conduit to the atmosphere, and a valve in said last named passage for controlling the flow of air therethrough whereby the atmospheric pressure point of the air flowing through said second named means may be located at various points along the same.

2,236,549
METHOD OF COLORING METALS AND PRODUCT
Van M. Darsey, John S. Thompson, and Edwin W. Goodspeed, Detroit, Mich., assignors to Parker Rust-Proof Company, Wayne County, Mich.
No Drawing. Application June 11, 1937, Serial No. 147,672. Renewed July 5, 1940
7 Claims. (Cl. 148—6)

1. A method of treating metal surfaces selected from the group consisting of iron, steel, zinc, copper and aluminum which consists in forming thereon a coating selected from the group consisting of phosphate, oxalate and oxide and coloring such surface with a tris azo dye.

2,236,550
FRICTION SPRING UNIT
Donald F. Sproul, Chicago, Ill., assignor to James R. Cardwell, Chicago, Ill.
Application February 17, 1939, Serial No. 256,945
13 Claims. (Cl. 267—9)

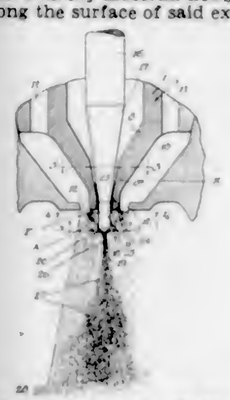


1. A bolster supporting unit for use in spring assemblies comprising a pair of end plates, a plurality of annular friction members between said plates and having a common axis, each of said plates and members having planar wedging faces, oppositely arranged wedge members engaging said friction faces, and means for resiliently forcing said wedges radially outwardly into engagement with said wedging faces.

2,236,551
MATERIAL CONTROL MEANS FOR SPRAY APPLIANCES
Harold L. Striegel, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 6, 1939, Serial No. 266,344
5 Claims. (Cl. 299—141)

5. A material control means in a spray appliance having a material nozzle and an air nozzle, said material nozzle having a material tip provided with a cylindrical orifice and a tapered passage communicating with said orifice, said air nozzle having an air chamber and an annular air discharge orifice around and concentric with said tip, a needle valve axially movable in said tapered passage and said tip, said valve having a tapered portion adapted to seat in said tapered passage and a cylindrical tip portion of a smaller diameter than the orifice of said material tip to provide an annular passage therebetween, said valve tip por-

tion being rigid and elongated and projecting exteriorly from the orifice of said material tip for a substantial distance when said valve is in partly open position whereby material flows in the form of a film along the surface of said exteriorly projecting valve tip portion to the exterior of the material tip to be engaged while flowing along said surface by and moved with the air stream discharged from said air orifice, said valve tip portion having a conoidal end tip from the apex of which the material pours in a fine stream.



2,236,552

COVERING ARTICLE

Alexis E. Ushakoff, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application March 30, 1939, Serial No. 264,996
28 Claims. (Cl. 12—147)



1. A heel having extending over and conforming exactly to its sides and back a shrunken seamless cover formed in situ from a swollen gel.

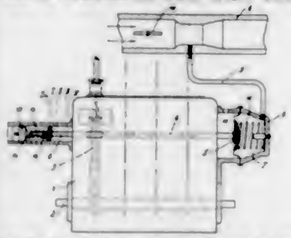
2,236,553

FUEL INJECTION APPARATUS FOR INTERNAL COMBUSTION ENGINES

Willy Volt, Stuttgart-Bad Cannstatt, and Johannes Weber, Stuttgart - Feuerbach, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application December 16, 1936, Serial No. 116,226
In Germany December 23, 1935
9 Claims. (Cl. 123—140)

1. In an internal combustion engine of the injection type having an air intake manifold and a throttle valve therein, the combination comprising adjustable fuel injection means, a displaceable control member connected to said fuel injection means for controlling the quantity of fuel supplied to said engine, means housing said control member and defining with the two sides thereof two chambers, one on each side of said control member, resilient means for applying a force to one side of said control member, means connecting one of said chambers to the atmosphere, means connecting the other of said chambers to the intake manifold on the engine side of the throttle valve whereby the pressure variations in the intake manifold will function to displace said control member by differential pressure acting thereon in opposition to said resilient force to adjust the fuel injection means, and resilient means operative only when said control member reaches a position for adjustment of fuel supply within the full load range of said engine and at speeds below maximum and then automatically



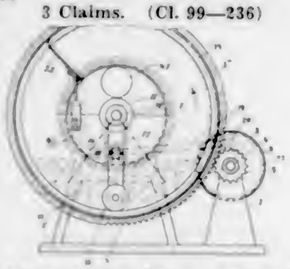
operating to apply a resisting force to said control member in opposition to the force applied by said first-mentioned force-applying means, the resultant force exerted on said control member by said opposed force-applying means being so weak that said control member is sensitive to and movable by the small pressure differences which occur in said chambers when the engine runs with wide open throttle under full load at speeds lower than maximum speed.

2,236,554

APPARATUS FOR PROCESSING CHOCOLATE

Kurt Wiemer, Dresden, Germany, assignor to the firm J. M. Lehmann, Dresden, Germany

Original application October 13, 1938, Serial No. 234,839. Divided and this application April 10, 1939, Serial No. 267,111. In Germany October 15, 1937
3 Claims. (Cl. 99—236)



1. In an apparatus for processing chocolate, in combination a container for holding a quantity of chocolate; means for agitating said chocolate in the container; and means associated with said container for aerating said chocolate while being processed, said last named means being adapted to expose said chocolate continuously to air on a surface of at least 2 square meters for each 100 kilograms of chocolate in said container.

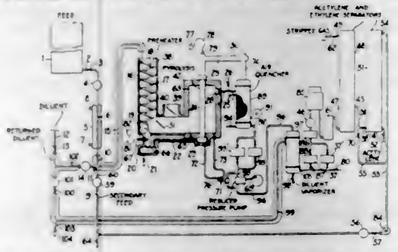
2,236,555

MANUFACTURE OF ACETYLENE UNDER MODIFIED PRESSURE AND TEMPERATURE CONDITIONS

Robert G. Wulff, Kingsport, Tenn., assignor, by mesne assignments, to Wulff Process Company, Los Angeles, Calif., a corporation of California

Application July 10, 1937, Serial No. 152,988
6 Claims. (Cl. 260—679)

1. A process for the manufacture of acetylene, which comprises mixing a saturated hydrocarbon with a small amount of water vapor and an olefine, preheating the resultant mixture to a temperature in excess of 700° C. but less than 1100° C. for a period sufficient to cause some gas expansion but for less than five seconds, pyrolyzing the preheated mixture at between 1150° C.–1400° C. in a pyrolysis zone maintained under less than 0.5 atmosphere pressure by evacuation thereof, supplying at least a part of the pyrolysis heat by



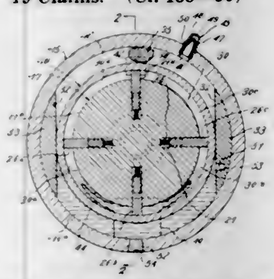
means of the combustion of fuel containing a substantial amount of hydrogen, with preheated air, cooling the acetylene-containing gases by means of heat exchange with incoming combustion air, to a temperature insufficient to condense water vapor, increasing the pressure on the mixture to condense water vapor therefrom, and employing the heat of condensation for generating further water vapor, recovering acetylene and olefines from the gas, thereby leaving a residual gas containing a high content of hydrogen.

2,236,556

HYDRAULIC BRAKE OR CLUTCH

Carl J. Wunderle, Shaker Heights, Ohio, assignor of one-half to Jacob R. Snyder, Cleveland, Ohio

Application April 10, 1939, Serial No. 266,968
19 Claims. (Cl. 188—90)



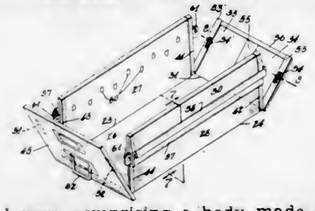
1. In a hydraulic device of the character described, a pair of members relatively rotatable about a common axis and one within the other, one of said members having vanes movable to extend varying distances therefrom, the outer of said members providing a housing for the device and a reservoir having liquid therein, and a hollow cylinder member disposed between the members of said pair so as to define a working chamber in communication with said reservoir and cooperating with said vanes to form liquid receiving pockets in said chamber, said cylinder member consisting only of a ring formed by a circularly extending rim of substantially rectangular cross-section and being freely rotatable when in a position substantially concentric with said common axis and being shiftable transversely of said axis to an eccentric operating position for subjecting the liquid of said pockets to pressure.

2,236,557

CONTAINER FASTENING MEANS

Philip Zalkind, New York, N. Y.

Application October 23, 1935, Serial No. 46,316
3 Claims. (Cl. 229—30)



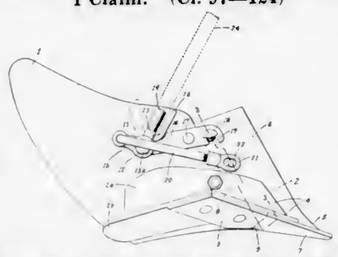
1. A drawer comprising a body made from a piece of fibrous sheet material having sides and an end wall formed by slitting and folding the material on itself and an additional end wall opposite the first end wall foldably secured to said body, and reinforcing means for the free margins of said sides and ends, said reinforcing means comprising a metal frame fastened on each end and a flat metal strip for each side, each frame being channel-shaped in cross section and having slots in the side portions thereof opening through the inner face of the frame, each metal strip extending throughout a drawer side and having projecting resilient latches for engaging the slots in the frames on said ends.

2,236,558

PLOW

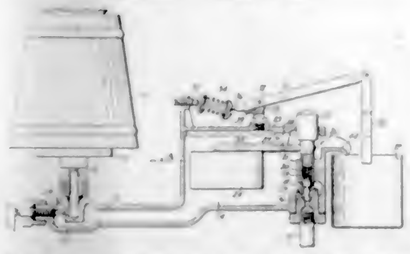
Eugene G. Alves, Pittsburg, Calif.

Application February 24, 1939, Serial No. 258,217
1 Claim. (Cl. 97—124)



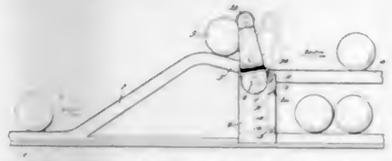
In a plow including the combination of a moldboard, a removable share having a skirt whose rear edge abuts the forward edge of the moldboard, and a locking device mounted on the moldboard and releasably connected with the share skirt, the locking device including a lever pivoted on the landside of the moldboard and having an operating arm; said operating arm projecting in an upward direction in spaced relation to the moldboard and being swingable in a plane substantially parallel to the adjacent portion thereof, said arm terminating at its upper end below the upper edge of the moldboard and being adapted for detachable coupling engagement with a tubular operating extension, a stop on the moldboard positioned for engagement by the arm upon predetermined swinging movement thereof in the direction of the share, and a guard projecting outwardly from the landside of the moldboard between said arm and said share, the guard being of a width and height to prevent objects approached by the plow from striking the arm upon forward movement of said plow, the guard, when the arm is in engagement with the stop, being spaced from said arm a distance to permit unobstructed coupling engagement of the operating extension with said arm.

2,236,559
LIQUID FUEL CONTROL MEANS
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 30, 1937, Serial No. 133,781
5 Claims. (Cl. 137—68)



5. Control mechanism for liquid fuel burner including two valve members, a liquid level responsive device such as a float for opening and closing one of said valve members, and a safety device such as a liquid overflow trip for closing both of said valve members irrespective of the relative positions of said valve members.

2,236,560
BALL CHECK FOR BOWLING ALLEYS
James E. Bancroft, Jamaica, N. Y., assignor to American Bowling and Billiard Corporation, New York, N. Y., a corporation of New York
Application November 2, 1938, Serial No. 238,342
8 Claims. (Cl. 273—47)



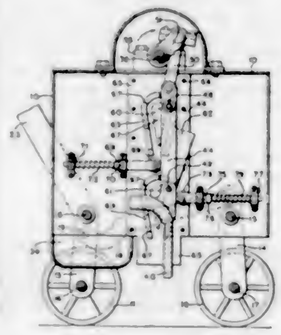
1. In a bowling ball retarder, a retarding member comprising a pair of rotatably mounted soft rubber rings spaced from each other and adapted to engage a ball.

2,236,561
LIGHTING FIXTURE
Morris B. Beck, Lawrence, N. Y.
Application November 5, 1938, Serial No. 239,033
5 Claims. (Cl. 240—78)



1. A lighting fixture comprising a socket for receiving a bulb, a substantially horizontal heat deteriorable light shield, a frame for supporting the inner rim of said light shield, said frame having a central opening through which the bowl portion of a bulb mounted in the socket extends, and said frame comprising cylindrical members spaced from each other and from the bulb in a radial direction, so as to provide vertically unobstructed air spaces through which air can pass freely between said shield and said bulb from the lower side of the shield to its upper side, and said cylindrical members having their surface portions disposed substantially transversely to the passage of radiations from the bulb to the shield whereby said light shield is protected from heat given off by the bulb.

2,236,562
TURF CUTTER
Ernest F. Brandes, Manhasset, N. Y.
Application February 10, 1939, Serial No. 255,648
14 Claims. (Cl. 97—44)



1. A turf cutter comprising a main frame, wheels on which the main frame is movable over the ground, turf punches, reciprocating means connected with the turf punches to project the same downwardly and thereafter retract them upwardly, a driving connection between the wheels and the reciprocating means so that for each complete reciprocation of the turf punches the wheels advance the main frame a predetermined distance, means carried by the main frame and mounting the turf punches for vertical reciprocation and relative horizontal movement including cam means controlling the turf punches so that the latter remain in the same vertical plane during forward movement of the main frame, and means propelling the turf punches to an advanced position with respect to the cam means and the main frame when in retracted position.

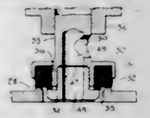
2,236,563
RAILROAD CAR HAND BRAKE
Richard W. Burnett, Chicago, Ill.
Application May 4, 1938, Serial No. 205,969
17 Claims. (Cl. 188—81.1)

1. Holding and releasing mechanism for a railroad car hand brake comprising, in combination, a housing, a ratchet operatively mounted in said housing, a pawl positioned to engage said ratchet, a trip shaft operatively mounted in said housing, means mounting said pawl on said trip shaft eccentrically to the axis thereof, a hand lever connected to said trip shaft for operation thereof, and means forming a lost motion connection between said trip shaft and said hand lever to effect forced



disengagement of said pawl and ratchet when said hand lever is operated in one direction.

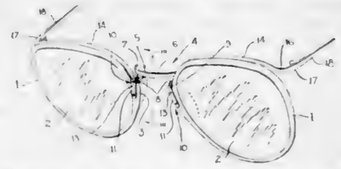
2,236,564
PRESSURE RELIEF VALVE
Edward S. Cornell, Jr., Larchmont, N. Y.
Application August 26, 1938, Serial No. 226,881
1 Claim. (Cl. 137—53)



A pressure relief valve comprising, in combination, a valve body having a valve seat provided ported septum dividing said body into inflow and outflow chambers, valve stem means mounted within said valve body for slidable movement toward or away from said valve seat, said valve stem being adjustably loaded for normal movement toward said valve seat, said valve stem being provided with a passage affording flow from said inflow to said outflow valve chambers, valve disk holding means operatively associated with said valve stem and including an annular neck concentric with said valve stem and extending downwardly therefrom, annular valve disk means disposed circumferentially of said neck, frangible disk means disposed within said neck and blocking off said valve stem passage, said valve disk being remote from said frangible disk means, and means screw-threadedly secured to said neck internally thereof and serving conjointly to secure said frangible disk means and said valve disk, said securing means having an axial passage therethrough remote from said valve disk, to communicate with said valve stem passage upon rupture of said frangible disk, whereby fluid flow can pass from the inflow to the outflow chambers of said valve irrespective of the position of said valve disk.

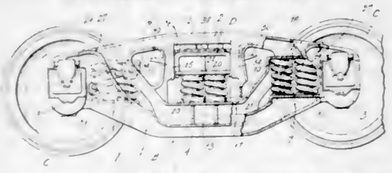
2,236,565
OPHTHALMIC MOUNTING
Charles O. Cozzens, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 24, 1939, Serial No. 252,609
2 Claims. (Cl. 88—47)

1. In an ophthalmic mounting a pair of nonmetallic lens rims each formed as a continuous unbroken ring having an attachment enlargement on the nasal side thereof with a relatively small and substantially uniform cross-section throughout the remainder of its extent with an uninterrupted substantially continuous outer surface on the temporal side thereof and being accordingly adapted to be heated and stretched to permit the insertion or removal of a lens and thereafter allowed to cool to return to its initial set and an adjustable metallic supporting assembly for said non-metallic lens rims, said assembly comprising a bridge member having a central arch portion curving rearwardly to bendable loops which terminate in forwardly extending portions, plate like members having a portion shaped to overlie a side surface of the attachment enlargements and a portion shaped to overlie the top surface of said enlargements, means to secure the plate-like members to the enlargements, said forwardly extending portions of the bridge



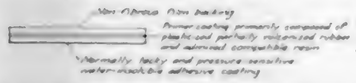
having a side surface secured to the portion of the plate-like members overlying the top of the attachment enlargements, relatively long and slender bendable temple supports attached to the assembly and progressing outwardly of said plate-like members and shaped substantially to the upper contour shape of the lens rims and terminating in temple hinge connections, said bridge member being adjustable by bending to support the lens rims in desired spaced aligned relation with each other and said long and slender temple supports being adjustable by bending to follow substantially the upper contour shape of the lens rims and to support temples in desired spaced relation with each other and in desired angular relation with respect to the lens rims, said temple supports being adjustable without altering the spaced aligned relation of the lens rims.

2,236,566
CAR TRUCK
Harry C. Dreibuss and Fred H. Spenner, St. Louis, Mo., assignors to Scullin Steel Co., St. Louis, Mo., a corporation of Missouri
Application May 1, 1939, Serial No. 270,954
22 Claims. (Cl. 105—197.2)



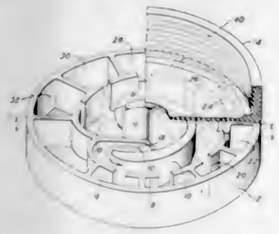
1. A spring-plankless car truck comprising side frames, wheeled axles and a bolster, each of said side frames comprising a one piece section connecting said axles and sustained thereby and a one-piece section yieldably supported on the axle connecting section and in turn yieldably supporting said bolster and having a vertically sliding connection therewith, said bolster constituting the only cross-connection between the bolster supporting sections of said side frames, and said bolster supporting sections being entirely free of said axles and sustained entirely by said axle connecting sections.

2,236,567
ADHESIVE SHEETING
Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application February 18, 1938, Serial No. 191,260
8 Claims. (Cl. 91—68)



1. A pressure-sensitive adhesive sheet comprising a flexible backing having a non-fibrous filmed surface, a coating thereupon of a water-insoluble non-offsetting normally tacky and pressure-sensitive adhesive, and a highly cohesive interposed flexible primer coating primarily composed of plasticized partially vulcanized rubber blended with an admixed compatible solid resin predominating the rubber and adapted to plasticize the rubber and increase its bonding strength, the adhesive coating being bonded to the backing surface more firmly than if said primer were omitted and said adhesive sheet being removable from smooth surfaces to which temporarily applied without delamination or offsetting of adhesive.

2,236,568
RECEIVER CAP ACOUSTIC FILTER
Robert C. Edson, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 29, 1939, Serial No. 287,196
5 Claims. (Cl. 179—182)

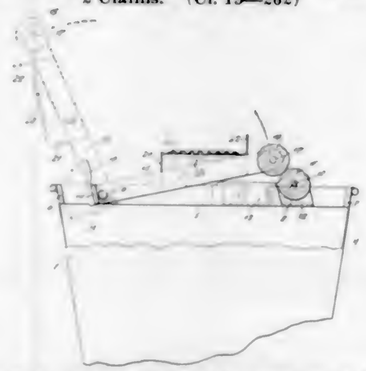


1. A telephone receiver cap for conveying sound from the diaphragm of the receiver to the ear of a user of said receiver, said cap including within it a channel for said sound and a plurality of cuboid cavities, each of said cavities having a single opening only, said opening in each instance communicating only with said channel, the dimensions of said channel, cavities and openings being proportioned to impart desired band-pass frequency selective properties with respect to sound waves passing through said cap whereby all sounds having frequencies lying within a particular range are freely passed through said cap and all sounds of other frequencies are suppressed by said cap.

2,236,569
SHORTENING TREATMENT
Donald P. Grettie, Chicago, Ill.
No Drawing. Application August 12, 1936, Serial No. 95,631
2 Claims. (Cl. 99—163)

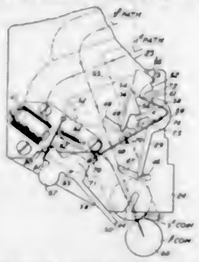
1. The method of stabilizing shortening which comprises adding thereto and incorporating therewith from .001 per cent to .05 per cent of lactic acid.

2,236,570
MOP PAIL
William B. Hite, Jr., Webster Groves, Mo., assignor to Schlueter Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application February 10, 1940, Serial No. 318,387
2 Claims. (Cl. 15—262)



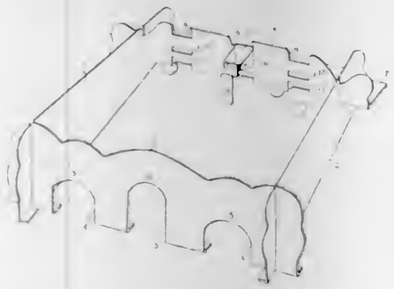
1. In a mop pail having an open top; a frame including two diametrically opposite curved portions fitting against the inner surface of the upper margin of the pail and rigidly attached thereto, and two approximately parallel side members integrally connecting said curved portions; a roller supported by said side portions for rotation about a horizontal axis partially within the upper end of the pail; a pair of arms pivotally supported by said side portions within and near the opposite side of the pail from said roller and connected by a base member; a second roller rotatively supported by said arms about a horizontal axis parallel with the axis of said first roller; and a foot lever attached to said base member between said side portions and inwardly from the adjacent curved portion of said frame and extending upwardly above the upper end of the pail for swinging movements downwardly within the pail to move said arms and thereby said second roller upwardly away from said first roller.

2,236,571
COIN COLLECTOR
Frederick A. Hoyt, East Orange, N. J., and Oscar A. Shann, Bayside, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 10, 1938, Serial No. 195,024
8 Claims. (Cl. 194—9)



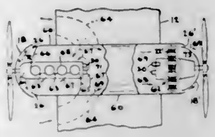
5. In a telephone coin collector housing, a multiple coin chute for guiding deposited coins into a coin hopper, said chute having a first channel for receiving coins of one denomination and having a second channel for receiving coins of a second denomination, a pivoted finger projecting into said first channel and normally occupying a coin obstructing position in said first channel, a second pivoted finger projecting into said second channel and normally occupying a coin obstructing position in said second channel, and interlocking projections on said fingers to prevent either finger from releasing a coin until the other finger has been struck by a deposited coin.

2,236,572
TARGET MEMBER AND BALL THROWER
Frederick H. King, Detroit, Mich.
Original application October 10, 1938, Serial No. 234,083. Divided and this application April 22, 1940, Serial No. 330,885
5 Claims. (Cl. 273—127)



4. In a marble game, the combination with a marble thrower comprising a marble carrier and a trip arm for actuating such carrier, of a support for said thrower, means pivoting the thrower on the support, and a substantially upright plate detachably engaged by the support, said plate having an opening accommodating the trip arm, upon actuation of the thrower.

2,236,573
AIRCRAFT CONSTRUCTION
Herman G. Klemm, Kingsville, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Original application December 5, 1936, Serial No. 114,320. Divided and this application October 30, 1940, Serial No. 363,557
9 Claims. (Cl. 244—53)

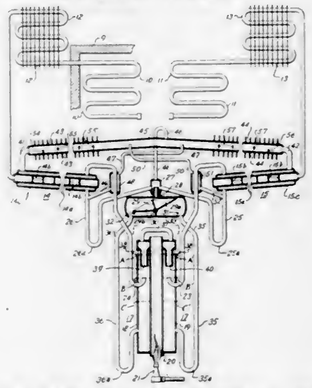


2. In aircraft including a wing having an air entrance opening in its leading edge, a duct through the wing from said opening, an engine carried by the wing toward which air flowing through said duct is guided, and a propeller driven by said engine and disposed ahead of the wing and having an outer portion of its disc directly ahead of said opening.

2,236,574
BIOCHEMICAL MANUFACTURE OF KETOSTEROIDS
Heinrich Koester, Berlin-Charlottenburg, and Luigi Mamoli, Berlin-Steglitz, Germany, and Alberto Vercellone, Milan, Italy, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application May 28, 1938, Serial No. 210,778. In Germany June 3, 1937
22 Claims. (Cl. 195—12)

11. Process for the manufacture of keto hydroxy steroids comprising subjecting steroids containing more than one hydroxyl group capable of dehydrogenation, to the action of a biochemical dehydrogenating agent, then causing a biochemical hydrogenating agent to act upon the so obtained polyketo compounds, and recovering the formed keto hydroxy compounds from the reaction mixture.

2,236,575
REFRIGERATION
Wilhelm Georg Kögel, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application September 12, 1939, Serial No. 294,424
16 Claims. (Cl. 62—5)

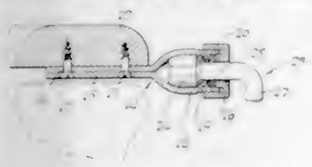


1. In an absorption refrigeration system, a boiler, a plurality of generator-absorbers, a condenser and an evaporator connected to each of said generator-absorbers, means for causing expulsion of refrigerant first in one and then in another of said generator-absorbers comprising a conduit from said boiler to each of said generator-absorbers for flow of a heating medium, said boiler having compartments individual to said conduits, and means operable by change in the level of liquid within said compartments for heating one and then another of said generator-absorbers.

2,236,576
SANITARY TOILET SEAT RAISER
William Loebner, New York, N. Y.
Application December 21, 1939, Serial No. 310,396
1 Claim. (Cl. 4—251)

A handle for a toilet seat comprising a bracket for attaching the handle to the seat, said bracket having a flat portion adapted to be secured to the underside of the seat, a tubular portion formed with external screw threads projecting from said flat portion, an apertured packing gland screwed on said screw threaded portion, a handle member having an enlarged head with the latter

rotatably mounted within said tubular portion, a handle portion extending from said head through



the aperture in said gland, said handle portion terminating in a hand grip.

2,236,577
PROTECTIVE PACKAGE
Leland R. Morse, Chicago, Ill.
Application September 10, 1936, Serial No. 100,149
1 Claim. (Cl. 229—87)



A wrapper for laundered collar attached shirts, folded about a form to protect both the collar and the shirt during storage and transportation, including a rectangular blank of flexible protective covering of sufficient size to be wrapped about the long edges of the folded shirt and overlapped at the back thereof, the upper straight edge portion of said blank provided with complementary angular slits leading from said upper straight edge portion arranged to receive the shirt collar between them and flex the tab of the body portion formed between said slits to cover the collar as the blank is wrapped about the folded shirt, said slits converging toward each other from said straight upper edge and terminating in portions curved toward each other at a distance from the top edge approximate the front of the neck band of the shirt, the upper end of said slits being arranged a sufficient distance apart to pass over each side of said neck band and said tab being bifurcated by a central slit extending into the body of the tab and terminating short of the line between the terminations of the complementary slits.

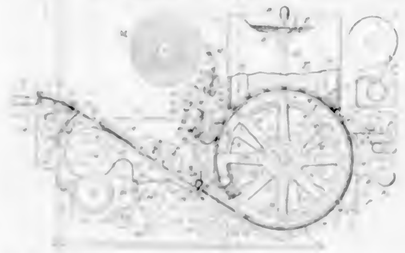
2,236,578
TELEVISION APPARATUS
Louis W. Parker, New York, N. Y., assignor, by mesne assignments, to C. T. Allen, New York, N. Y.
Application June 18, 1938, Serial No. 214,420
2 Claims. (Cl. 178—7.5)

1. Viewing apparatus for television reception comprising, in combination, a base, a column mounted on said base, means for adjusting the height of said column, a hollow housing mounted on said column and adjustable about a horizontal axis, a kinescope tube positioned within said casing, said kinescope tube having a screen end upon which there is produced by the impinging of the cathode ray beam upon the screen a visible image adapted to be viewed by the observer, and electrical means on said base for controlling the position, focus and brilliance of the image; whereby



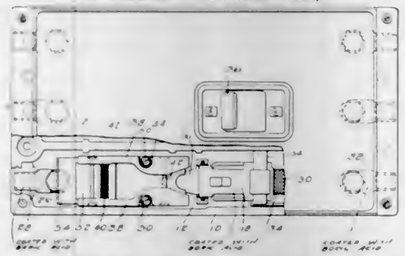
said screen may be easily and quickly adjusted to optimum viewing position and the image thereon quickly and easily adjusted to optimum seeing conditions.

2,236,579
MOUTHPIECE-CIGARETTE MAKING MACHINE
Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application January 24, 1935, Serial No. 3,320
62 Claims. (Cl. 131—61)



3. In a mouthpiece-cigarette making machine, the combination with a moving filler trough, of mechanism for severing mouthpiece plugs from a continuous rod of mouthpiece material and depositing the severed plugs in spaced relation in said trough, means for retaining the plugs in said trough, means for showering tobacco into said trough, devices traveling with said trough for shielding the plugs from the showered tobacco, means for compressing the tobacco showered into the spaces between the plugs in said trough to produce a continuous composite filler rod, mechanism for folding and sealing a wrapper web about the filler rod to produce a continuous cigarette rod, and a cutoff for alternately severing the cigarette rod at the mid-section of the mouthpiece plugs and midway between the plugs to form mouthpiece-cigarettes, said filler trough including a wheel arranged on a horizontal axis beneath said tobacco showering means and provided with a circumferential groove adapted to receive the plugs and showered tobacco, and said shielding devices including scoop-shaped receptacles hinged on said wheel to swing across the plugs in said groove and receive the showered tobacco which otherwise would be deposited on the plugs, and mechanism for swinging the receptacles across the wheel to receive the tobacco and then backward to discharge the tobacco collected therein.

2,236,580
CIRCUIT INTERRUPTER
Jerome Sandin, Forest Hills, and Bryan B. Paul, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 31, 1937, Serial No. 182,780
16 Claims. (Cl. 200—144)



1. In a circuit interrupter, an arc chute comprising a pair of spaced wall members of porous inorganic insulating material, said wall members having a portion of their opposed surfaces adjacent one end tapering towards each other to provide a converging entrance passage, a plurality of spaced metallic plates disposed between said wall members, and means for moving an arc from said entrance passage into said plates, said wall members being impregnated with a solution of a material which gives off a gas when acted upon by an arc to provide a flow of gas against the arc to maintain it centrally of said wall members as it moves into said plates.

2,236,581
STUD STAPLE
Charles Schenck, Coopersburg, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application January 31, 1940, Serial No. 316,530
10 Claims. (Cl. 85—49)



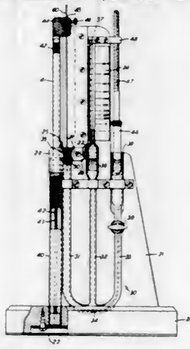
1. A clip of the class described comprising a head composed of resilient material, and a pair of legs, each leg having an inwardly extending shoulder intermediate its ends.

2,236,582
METHOD OF FORMING A DECORATIVE SLAB
Clyde C. Schuetz, Chicago, Ill., assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
Application June 19, 1937, Serial No. 149,048
1 Claim. (Cl. 18—61)



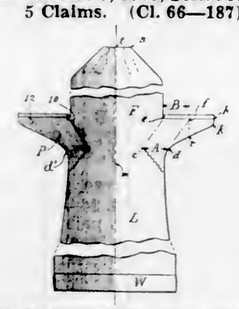
The method of forming a decorative slab or sheet of asbestos cement material comprising providing said sheet as a wet plastic slab of predetermined color throughout, providing a die having an ornamental ridged surface, applying powdered coloring matter to said ornamental ridged surface of said die, transferring said coloring matter to selected areas of the surface of said plastic sheet in conformance with the ornamentation of said die and with the bare surfaces of said sheet intervening between said areas of coloring, pressing the entire surface of said plastic sheet with a second die having a flat surface so as to force the deposited coloring matter into the plastic slab and bring the coloring and slab to the same surface level, and then permitting the slab to harden with the ornamental coloring inlaid in its surface.

2,236,583
MEASURING DEVICE
John N. Selvig, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 13, 1940, Serial No. 323,708
9 Claims. (Cl. 33—174)



1. A device for directly measuring the total volume of a slender, relatively rigid and elongated object, which device comprises a member formed with an uprising immersion chamber and with an uprising reporting chamber communicating with the immersion chamber, a body of liquid in both chambers and continuous through the communication therebetween, and means in the immersion chamber in contact with and to prevent the rise of the liquid in the immersion chamber, the means being formed to admit an object to be measured into the liquid in the immersion chamber.

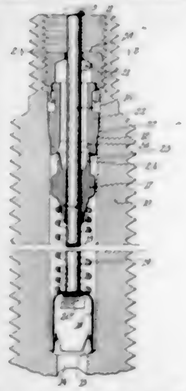
2,236,584
HOSIERY
Joseph C. J. Strahan, New York, N. Y.
Application June 9, 1938, Serial No. 212,711
5 Claims. (Cl. 66—187)



1. A full fashioned stocking blank having a foot portion and integral heel portions laterally

positioned in relation to the foot portion and knitted integrally with the foot portion and said heel tabs being terminated by a course running transversely of the blank, and the sole length being composed of a free edge of the foot portion and a transverse component constituted by the outer transverse end of a heel tab, and said outer end of each heel tab being of greater length than the width of the heel tab at its inner end.

2,236,585
TIRE VALVE
John Wahl, Rosedale, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 25, 1939, Serial No. 258,483
3 Claims. (Cl. 251—144)



1. A tire valve core or valve insides, comprising a valve pin having rigidly mounted thereon a valve check member and having loosely mounted thereon a tubular valve seat member, and a spring for holding the valve check member seated on the valve seat member when the tire valve core is mounted within a tire valve stem or casing, said valve seat member at its end adjacent the valve check member having a bore, the wall of which is smooth and flared outwardly to provide a feathered edge, the valve check member having an annular wall with a feathered edge of a diameter to engage the outwardly flared wall of the valve seat member, the said valve seat and valve check members being formed of metal which is adapted to "give" under the force of the spring and the spring having a tension sufficient to hold the feathered edge of the valve check member in air-tight engagement with the valve seat member independently of any supplemental valve seating means when the valve core is mounted within a tire valve stem.

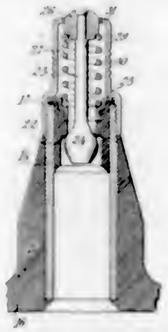
2,236,586
BUCKLE
Paul W. White, Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application November 16, 1939, Serial No. 304,686
4 Claims. (Cl. 24—73)

2. A buckle comprising a pair of pivotally engaged frames, one of said frames being formed of a single piece of sheet material comprising side bars and three spaced cross bars connecting said side bars, the intermediate cross bar being resiliently formed on the side bars and being provided with a gripping portion that subtends in close proximity a major portion of one end cross bar to form a slot through which a strap may be threaded and gripped and to form another seat adjacent the other end cross bar for receiving the free end of the strap, the other of said frames having a loop portion and being pivotally engaged to one end cross bar of the first mentioned



frame and detachably engaged to the other end cross bar thereof to present a strap-engaging face immediately adjacent to and co-operating with said intermediate cross bar of the other frame to clamp said strap in adjusted positions therebetween, said loop portion detachably receiving the shank of a button of an article to be supported.

2,236,587
TIRE VALVE
Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 2, 1939, Serial No. 259,304
1 Claim. (Cl. 277—42)



A tire valve comprising a rigid casing having a bore therethrough, a compressible tubular sleeve within said casing and snugly fitting within said bore, said sleeve having bores of different diameters forming a shoulder which constitutes the valve seat proper and faces toward the base of the casing, a non-deformable valve check of larger diameter than the bore of smallest diameter through the seat member for cooperation therewith insertable into said seat member through the bore of smallest diameter prior to insertion of the seat member within said casing, said valve check being mounted on a pin having an enlargement thereon in spaced relation to the valve check, a spring seat loosely mounted on said pin and having a part engageable within the sleeve above the seat proper to limit the expansion thereof and prevent the withdrawal of the valve check through the sleeve and provide an annular recess within said spring seat, a spring mounted on the valve pin and bearing at one end against the enlargement on said pin and at its other end seating within the annular recess in the spring seat and normally tending to hold the valve seated, and a cap member attached to the casing and having a part bearing against the spring seat for holding it in engagement with the valve seat member, said cap having a central opening in its top through which the enlargement on the valve pin may project and be guided to center the valve check on its seat and provide a substantial closure for the cap when the valve is seated.

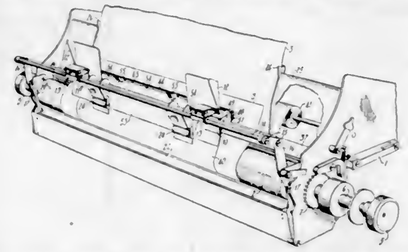
2,236,588
PAPER HANDLING MECHANISM FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 12, 1938, Serial No. 245,070
1 Claim. (Cl. 197—128)



In a paper carriage, a platen mounted on a fixed pivot, a front feed mechanism having a movable chute and guide means acting together for aiding insertion of front fed paper, and being movable from a paper inserting to a closed position, means for holding said mechanism in either of said positions, a downwardly extending finger on said guide means, a pivoted member situated below the guide means and having an upwardly directed projection, a manipulative member connected to the pivoted member, whereby the latter may be oscillated, means on said projection to move the guide means to closed position when the manipulative member is moved, and a spring held means to retain the pivoted member in either position.

2,236,589
CARBON PAPER SUPPORT FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 29, 1939, Serial No. 281,776
4 Claims. (Cl. 197—131)

1. In a paper carriage having a platen, means situated above the platen for holding a sheet of carbon paper in printing position, the means including two parts, one part being movable in relation to the other part and having means located at the right and left edges of the paper for pressing it toward the other part, said one part also having a portion that may be engaged by the operator for moving the said one part to release the pressure so that the carbon may be advanced an increment in relation to the holding

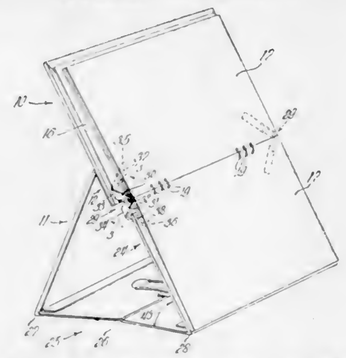


means to press an unused portion to the printing line.

2,236,590
MATERIAL FOR IMPROVED ENGINE OPERATION
William J. Backoff, Norman D. Williams, John F. O'Loughlin, Harry L. Moir, and John S. Yule, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 31, 1938, Serial No. 237,940
15 Claims. (Cl. 44—9)

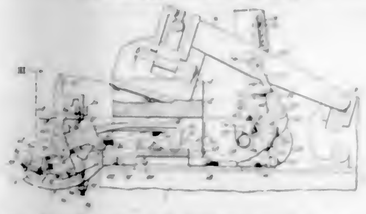
1. A composition to be used in conjunction with motor fuels comprising 50% to 90% of fatty acid ester boiling over 500° F. and 50% to 10% of ester of aromatic acid boiling above 350° F. and having gum solvent properties at elevated temperature.

2,236,591
DISPLAY BINDER
Arthur M. Barrett, Winnetka, Ill., assignor to The Barrett Bindery Co., Chicago, Ill., a corporation of Illinois
Application December 21, 1939, Serial No. 310,275
18 Claims. (Cl. 281—33)



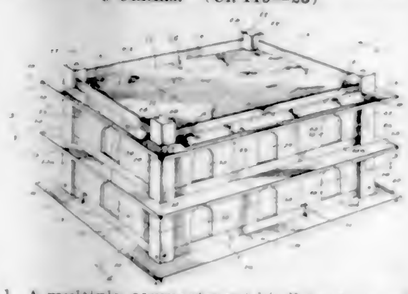
1. A display binder comprising, in combination, substantially rigid front and back covers, means interconnecting adjacent edges of said covers in spaced apart relation, a substantially rigid panel, hinge means interconnecting said front cover and said rigid panel, flexible connector means interconnecting said back cover and said rigid panel for limiting movement apart thereof through predetermined angles, means for limiting movement apart of said front cover and said rigid panel through a predetermined angle, and binding means carried by said front cover for receiving sheets and the like.

2,236,592
METHOD OF AND APPARATUS FOR TREATING SHOE UPPERS
Francis J. Better, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 16, 1939, Serial No. 256,765
20 Claims. (Cl. 12—51)



1. In a machine for preforming shoe uppers, the combination of pressing means for engaging the forepart of an upper to apply pressure thereto progressively, means engaging the rear part of the upper, and means for imparting to said rear-part-engaging means a strong rearward sudden blow during an initial stage in the application of pressure to the forepart.

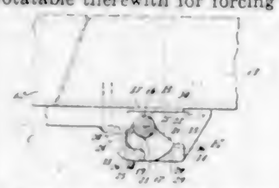
2,236,593
BIRDHOUSE
Morris F. Booth, Alden, Mich.
Application July 19, 1938, Serial No. 220,069
8 Claims. (Cl. 119—23)



1. A multiple-compartment birdhouse comprising a bottom piece, corner posts supported thereby and provided with vertical slots, side members for said birdhouse having ends to be detachably received by said slots, partition members arranged within the said side members to form a plurality of compartments in cooperation with said side members, apertures formed in said side members, each leading to a compartment, and a roof over said compartments comprising one or more cross pieces supported by said side members, a relatively flat waterproof sheet covering said cross pieces and extending between said posts, and restraining bars detachably positioned between said posts to hold the covering in position.

2,236,594
DOOR FASTENER
William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 2, 1938, Serial No. 243,608
10 Claims. (Cl. 292—241)

1. In a fastener for doors, the combination with a rotary operating bar mounted on the door; of a fixed keeper having a cam slot therein and an upstanding lug thereon; and means on said bar rotatable therewith for forcing the door



closed including an arm engageable with the lug and a cam lug engageable within said slot.

2,236,595
CARBURETOR
John Robert Fish, West Springfield, Mass.
Application July 31, 1933, Serial No. 682,980
9 Claims. (Cl. 261—34)

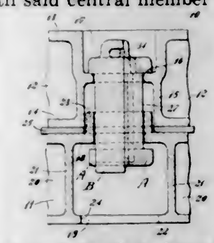


6. A carburetor comprising a main air conduit adapted to be coupled to the intake manifold of an internal combustion motor, a rotatable throttle in the air conduit, the conduit and throttle being relatively so shaped as to produce a constriction in the air passage where the air passes the throttle, a float chamber, a segmental fuel chamber, an arm fitting snugly in the fuel chamber and connected to the throttle for oscillation coaxially therewith, a connection between the float chamber and that side of the fuel chamber towards which the arm moves on opening the throttle, a check valve interposed in said connection and operating to prevent flow from the fuel chamber to the float chamber, a fuel passage through the arm opening at one end into that side of the fuel chamber towards which the arm moves on opening the throttle, and opening at the other end onto the surface of the throttle, whereby fuel may pass during normal operation through the arm to the main air conduit, and an additional amount will be forced through the arm into the conduit on sudden opening of the throttle, a metered air inlet opening into the float chamber, a second passage in the arm connected by holes with the first passage, and means for admitting air to the second passage.

2,236,596
CAR CONSTRUCTION
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 22, 1939, Serial No. 305,686
7 Claims. (Cl. 105—200)

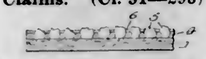
1. In car construction, the combination with body and truck bolsters having aligned center pin receiving openings, each of said bolsters being provided with an annular shoulder adjacent the outer end of the opening thereof; of a sectional center pin including three similar outer

members shouldered at opposite ends and adapted to be entered through said openings, and a filler element comprising a central member and three equally spaced, radially extending wings integral with said central member providing lat-



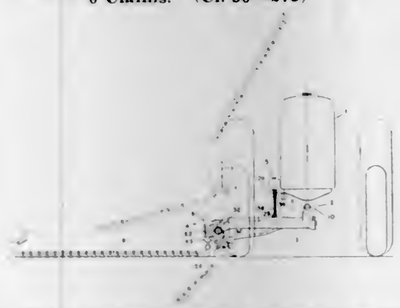
erally flaring pockets of V-shaped cross section therebetween, said wing being engaged between said outer sections to hold the latter spread apart and hold the shoulders thereof in overlapped relation with the annular shoulders of said bolsters.

2,236,597
RUBBER BASE SHEETED ABRASIVE
Lloyd A. Hatch, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Continuation of application Serial No. 318,390, November 10, 1928. This application September 28, 1933, Serial No. 691,318
7 Claims. (Cl. 51—298)



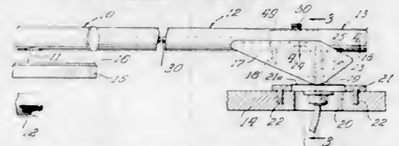
3. An abrasive article comprising a bonded abrasive article and a backing member joined to said bonded abrasive article by an adhesive containing a mixture of rubber, an isomer of rubber and a synthetic resin.

2,236,598
MOWING MACHINE
Richard W. Hautzenroeder, Mansfield, Ohio, assignor to The Fate-Root-Heath Company, Plymouth, Ohio, a corporation of Ohio
Application April 3, 1939, Serial No. 265,725
6 Claims. (Cl. 56—273)



1. The combination with a mowing machine of the type having a cutter bar pivotally supported at its inner end on the machine and movable about such pivotal support into the normal operating position extending laterally of its support and into a position standing substantially vertically, of resilient means interconnecting the machine and cutter bar and strong enough to normally maintain the cutter bar in the substantially vertical position and power means connected with said resilient means and said machine to counteract said resilient means sufficiently to permit the cutter bar to move by gravity about its pivotal support into the laterally extending position.

2,236,599
PICKUP ARM
William H. Hutter, Chicago, Ill.
Application August 6, 1938, Serial No. 223,442
7 Claims. (Cl. 274—23)



1. In a pickup assembly, a pickup arm including a needle receiving head portion, an intermediate arm portion, and a rear pivot portion, said head, arm and pivot portion being secured in relatively immovable relationship, a weight associated with said pickup arm at the rear pivot portion thereof, a tension spring secured at its upper end to said pivot portion, a smooth riding bearing surface associated with said pivot portion, means for supporting said pickup arm in the vicinity of said rear pivot portion, said means having an upper friction surface adapted to receive said bearing surface and to resist free movement of said bearing surface thereover, means associated with said supporting means for securing the lower end of said spring thereto, said spring being adapted to exert tension between the pivot portion of the pickup arm and said supporting means to draw the bearing surface of said pickup arm against said friction surface.

2,236,600
SHOE AND METHOD OF MAKING SAME
Fred N. La Chapelle, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 22, 1939, Serial No. 305,620
12 Claims. (Cl. 12—142)

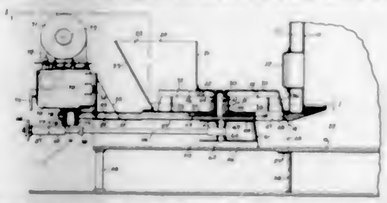


7. That improvement in methods of shoemaking which comprises assembling an upper with an insole, providing a sole member having therein a peripheral slot extending through the thickness of said sole member, inserting the lasting margin of said upper in said slot, and driving fastenings into the edge face of said sole member and through the lasting margin of the upper into the body of the sole inwardly of the slot, thereby securing the upper to the sole member.

2,236,601
COMBUSTION APPARATUS
Joseph E. McAdams, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application June 30, 1939, Serial No. 282,107
9 Claims. (Cl. 198—53)

1. A fuel feeding apparatus of the character

described for feeding solid fuel to a retort comprising a hopper adapted to receive a quantity of solid fuel, rotary feeding means adapted to enter said hopper through an opening in the lower part thereof for receiving fuel from said hopper and discharging said fuel at a position spaced laterally from said hopper, said rotary feeding means comprising a plurality of arms mounted for rotation about a substantially vertical axis and having open vertically extending passages therebetween through which fuel received from said hopper is adapted to move downwardly under the action of gravity in a generally axial direction, a housing overlying said rotary feeding means, the upper surface of said arms being



spaced below the walls of said housing and of said hopper to provide a clearance space for preventing crushing of the fuel therebetween, a bottom wall for said housing having an aperture therein spaced from said hopper and in line with the path traversed by said arms to discharge fuel downwardly from between said arms, and additional means positioned below said discharge opening for receiving the fuel discharged through said opening and for feeding the same into a retort, said rotary feeding means providing for discharging through said aperture only such quantity of fuel as removed by said additional feeding means while retaining the remainder therein without substantially packing or crushing thereof.

2,236,602

INK FOR CARBON PAPER

Samuel A. Neidich, Ventnor, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

No Drawing. Application June 29, 1937, Serial No. 150,927

3 Claims. (Cl. 260—736)

1. A transfer material adapted for use in the manufacture of carbon paper for typewriter work and comprising petrolatum, wax, one or more pigments and chlorinated rubber in a quantity about equal to twenty-five percent by weight of the wax, said material having its ingredients compounded in the proper proportions to produce a composition which, when applied to paper, will form a transfer coating transferable to a paper copy sheet at atmospheric temperatures by the force of the types of a typewriter.

2,236,603

FISHING ROD HANDLE

Victor B. Nelson, Rockford, Ill.

Application September 16, 1938, Serial No. 230,171

10 Claims. (Cl. 43—23)

1. In a fishing rod, a handle grip, means for supporting a reel forwardly of said grip, a thumb rest disposed between said reel and the major portion of said grip and presenting a concave upwardly facing thumb rest surface, and means for adjusting the height of said thumb rest surface above said grip and for swiveling the same about an axis transversely to said grip to locate said concave surface adjustably to support any particular user's thumb for free flexure of the first thumb joint in bringing the thumb into



braking engagement with the reel without disturbing the gripping action of the remainder of the hand.

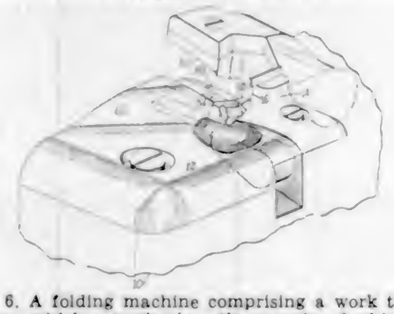
2,236,604

METHOD OF AND MACHINE FOR FOLDING

Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 22, 1939, Serial No. 310,566

6 Claims. (Cl. 12—54)



6. A folding machine comprising a work table over which a work piece the margin of which is to be folded is fed, a folding finger movable across the path of movement of the work piece to form a fold in the margin thereof, a creaser foot cooperating therewith against which the margin of the work piece is folded by the folding finger, a cooperating hammer and anvil arranged to press the fold formed by the folding finger and to feed intermittently the work piece over the work table, said work table having a raised portion adjacent to the anvil for deflecting the work upwardly, said anvil having a surface inclined downwardly from the raised portion of the work table for permitting the work to be deflected downwardly, and a release lever arranged adjacent to the anvil and cooperating with the creaser foot to hold the work on the work table during the folding thereof by the folding finger, the upper surface of said release lever being substantially parallel with the adjacent surface of the anvil.

2,236,605

CARCASS DIPPING APPARATUS

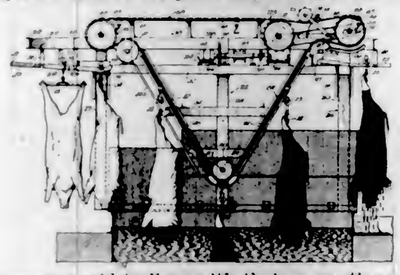
Arthur E. Ozouf, Chicago, Ill., assignor to The Allbright-Nell Co., Chicago, Ill., a corporation of Illinois

Application November 5, 1937, Serial No. 172,907

12 Claims. (Cl. 17—1)

1. In combination with a tank containing coating material and an overhead rail adapted to have frame equipped trolleys with animal carcasses suspended from the frames travel one at a time along it and provided with a cut-out over

the tank dividing it into a preceding and a following rail section, an apparatus adapted to dip the carcasses into the tank for coating purposes and comprising a frame disposed over the tank and in said cut-out, a power driven endless conveyor supported by the apparatus frame and embodying a series of hooks shaped to engage the trolley frames and adapted during drive of the conveyor to be brought successively into hooked relation with the frames of the trolleys on the adjacent end of the preceding rail section, then



to remove said trolleys with their respective carcasses from said adjacent end of the preceding rail section, then to lower said trolleys towards the tank in order to effect dipping of the carcasses in the material, then to elevate the trolleys and coated carcasses from the tank, and finally to deposit the trolleys on the adjacent end of the following rail section for travel of said coated carcasses along the latter rail section, and means for disengaging the hooks from the trolley frames after deposit of the trolley on said adjacent end of the following rail section.

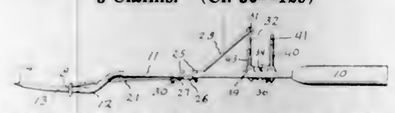
2,236,606

DISPENSING FORK

Justin Parvu and John Parvu, Sioux City, Iowa

Application February 1, 1939, Serial No. 253,981

3 Claims. (Cl. 30—129)



1. A dispensing fork comprising tines, an ejecting member slidably mounted on said tines, means for manually causing slidable movement of the ejecting member from the fork handle, including a thumb lever, a gear attached to and actuated by said thumb lever, means cooperant with said gear to cause said slidable movement of said ejecting member, including a further vertical lever, a gear attached thereto meshing with said thumb lever gear, a rod pivotally attached to said vertical lever, a carrier slidably received on the body of said fork to which said rod is pivotally secured, said ejecting member attached to said carrier.

2,236,607

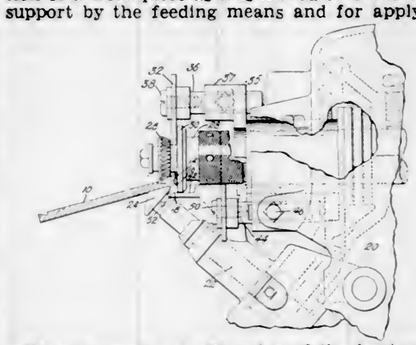
METHOD OF AND MACHINE FOR MOLDING SOLES

Edward Quinn, Malden, Mass., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y., a corporation of New York

Application December 12, 1938, Serial No. 245,107

21 Claims. (Cl. 12—22)

9. A molding machine for operating upon turn soles to prepare them for attachment to shoe uppers comprising a work support, work feeding means, and means for bending the marginal portion of a work piece as it is moved over the work support by the feeding means and for applying



sufficient pressure to the edge of the bent marginal portion to thicken the edge appreciably.

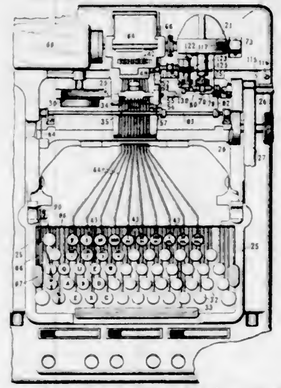
2,236,608

TYPEWRITING MACHINE

Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application April 20, 1938, Serial No. 203,117

11 Claims. (Cl. 197—64)



1. The combination with a typing-machine carriage, means tending to advance said carriage at accelerative speed upon its release from a holding-device, a normally ineffective stop to limit the carriage-advance, and a key operable to release the carriage from said holding-device and render said stop effective, of a rotary element, means independent of said carriage-advancing means for operating said element at a predetermined carriage-pacing speed of rotation, a normally ineffective ratchet coupling rendered effective by operation of said key to connect operatively said carriage to said pacing-element whereby said element checks any tendency of the carriage to outspeed said element, said ratchet coupling permitting said element to continue rotating independently of said carriage after arrest of the carriage by said stop.

2,236,609

PILOT GENERATOR

William R. Ray, Glendale, Calif.

Application August 15, 1938, Serial No. 225,075

5 Claims. (Cl. 136—4)

5. In a device of the character described, the

combination of a gas pilot burner having a substantially tubular body and a circumferential row of orifices in the upper side wall thereof, a pilot burner head on the upper end portion of said tubular body, a concentric metallic disk arranged intermediate of said burner head and said row of orifices and extending beyond said tubular body, means connecting the lower end of said tubular body with a supply of gas, a hollow



ceramic member surrounding a lower portion of said tubular body and having a concentrically disposed row of passageways therethrough, and wires in said pasageways, each alternate wire being composed of thermoelectrically dissimilar material and the end portions of adjacent wires being joined together to form a thermopile having hot and cold junctions, said hot junctions being arranged adjacent to said orifices so as to be heated by the ignited gas issuing therefrom.

2,236,610
MUSIC STAND
Sydney Skamser, Los Angeles, Calif.
Application August 28, 1937, Serial No. 161,445
8 Claims. (Cl. 45—121)



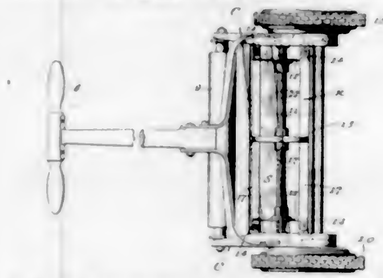
6. A music supporting rack comprising: a pair of arms disposed transversely of each other and interconnected at their intersection; a one-piece shelf upon which the lower edges of music sheets may rest attached to one end of one arm and extending to the corresponding end of the other arm and attached thereto for holding said ends in spaced relation to each other, the ends of said shelf being disposed at a level above the center of said shelf; and a block disposed near the center of said shelf having an upper surface disposed in substantial alignment with the ends of said shelf for supporting a central portion of said music sheets at a level above the adjacent portions of the shelf to facilitate rapid turning of said sheets.

2,236,611
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 30, 1938, Serial No. 248,552
4 Claims. (Cl. 197—151)



1. In a typewriting machine having a platen and types, an ink ribbon, an intermediate ribbon through which the types impress the ink ribbon upon a work sheet on said platen, a ribbon vibrator serving for both ribbons, and two pairs of spools, one pair for each ribbon, each ribbon coursing from one of its spools to said ribbon vibrator and from the latter to its other spool.

2,236,612
LAWN MOWER
George H. Stoner, East Boston, Mass.
Application October 27, 1939, Serial No. 301,592
5 Claims. (Cl. 56—294)

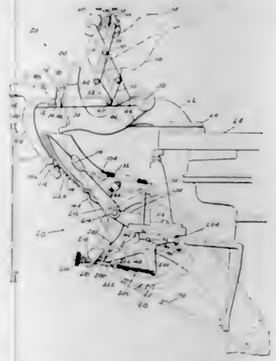


1. In a lawn mower, in combination, a chassis, a shear bar fixed upon said chassis, a shaft rotatably carried by said chassis, a disc fixed to said shaft intermediate the ends of the latter and having transverse peripheral grooves, supports fixed to said shaft near its ends and alined with said grooves, a plurality of cutting blades each extending through one of said grooves and secured at their ends to said supports, each of said blades having a straight cutting edge, said blades being arranged to engage said shear bar at an angle, said shear bar having a cutting edge of helical shape to engage all points successively along the cutting edge of said blade as the latter is rotated, and eccentrics carried by said supports and engaging said blades for adjusting said blades radially of said shaft.

2,236,613
BREAST FLAP PRESS
Sydney White Potter, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 21, 1940, Serial No. 320,154
In Great Britain March 20, 1939
9 Claims. (Cl. 12—125)

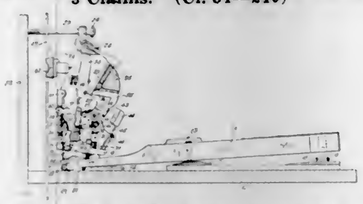
1. A machine for operating upon shoes having, in combination, means comprising a clamp

for pressing one shoe part against another, a manually movable member operatively connected to said clamp, an actuator, a friction clutch for operating said actuator, and mechanism responsive to movement of the manually movable member for operatively connecting the actuator to



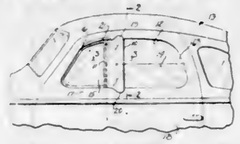
said clamp and for causing the friction clutch to exert a force of variable magnitude against the actuator in accordance with the amount of movement of said manually movable member in order to control the magnitude of the force exerted by the clamp upon said one shoe part.

2,236,614
PIANO
Fernando A. Wessell, Jr., Red Bank, N. J.
Application May 18, 1938, Serial No. 208,567
3 Claims. (Cl. 84—240)



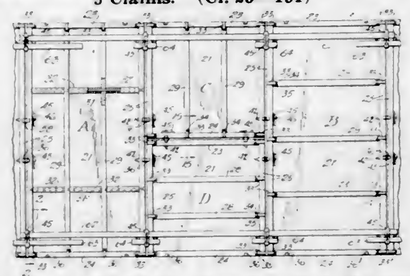
1. In a small upright piano, a compact piano action comprising a wippen, a jack having an outwardly projecting arm pivotally supported on said wippen, a pivoted hammer butt engaging the upper end of said jack, a coiled spring supported between said wippen and jack arm and adapted to normally maintain said jack in engagement with said hammer butt, a stop member disposed above said jack arm and adapted to engage said arm and pivot said jack outwardly when said wippen is raised upwardly, a stop rail for supporting said stop member, said rail being so arranged with relation to said jack that it provides a back stop against outward movement of said jack, an action rail recessed on its inner face to provide a longitudinally extending groove, means supporting said stop rail on said action rail, dampers having damper shanks, flange members attached in substantially horizontal position to the upper surface of said action rail and pivotally supporting said damper shanks, a second set of flange members attached in substantially horizontal position to the upper surface of said action rail, a damper rod disposed in the groove of said action rail, and supporting members connecting said damper rod with said second set of flange members.

2,236,615
WIND DEFLECTOR
Frank S. Wheeler, Hollywood, Calif.
Application May 22, 1939, Serial No. 274,868
12 Claims. (Cl. 296—84)



1. Means for controlling air currents through the side window opening of a vehicle having a main window movable up and down in said opening, a ventilator window in said opening in advance of said main window and movable outwardly to open the same and a window post between said windows, which comprises a deflector, and means positioning said deflector adjacent said opening with the forward edge thereof positioned adjacent and laterally removed from said post and the forward edge of the main window portion of said opening, said deflector extending rearwardly to deflect air away from said main window.

2,236,616
CONCRETE FORM WALL AND TIE
George B. Bosco, Chicago, Ill.
Application February 2, 1938, Serial No. 188,219
5 Claims. (Cl. 25—131)



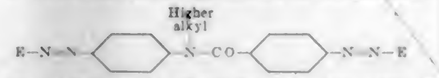
1. In a form of the class described, the combination with spaced walls of the panel type, and bolts connecting adjacent panels of each wall edgewise to each other, of stringers overlying the outer sides of said walls, tie rods extending through said walls and anchored at their ends to said bolts, links anchored on said bolts and extending past said stringers, and wedge means for simultaneously forcing said links and stringers in opposite directions.

2,236,617
TREATMENT OF TEXTILES
Robert Louis Brandt, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application December 20, 1938, Serial No. 246,811
1 Claim. (Cl. 8—127)

A method of mercerizing cellulosic material which comprises treating a cellulosic material with a concentrated aqueous caustic soda solution containing a small proportion of a salt of a sulphonated mineral oil extract prepared by sulphonating, while in a liquid sulphur dioxide solution, an unsaturated mineral oil solvent extract having a boiling range between 200° and 350° C. at 5 mm. pressure.

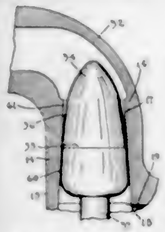
2,236,618
AZO DYESTUFFS
Wilfrid Herbert Cliffe, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Original application May 21, 1937, Serial No. 144,099. Divided and this application April 18, 1940, Serial No. 330,426. In Great Britain May 26, 1936
4 Claims. (Cl. 260—178)

1. The compounds represented by the formula:



in which each E is the nucleus of an azo dyestuff coupling component.

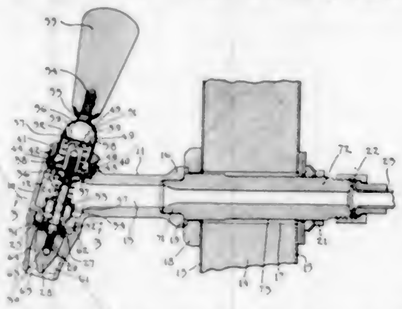
2,236,619
CONTROL DEVICE FOR BEER DISPENSING SYSTEMS
Richard T. Cornelius, Minneapolis, Minn.
Application January 16, 1939, Serial No. 251,137
2 Claims. (Cl. 138—46)



1. A control device for beer dispensing systems comprising a hollow body having a bore therein, said body at one end of the bore being provided with an inlet and at the other end of the bore being provided with an outlet, the bore at the inlet end being uniformly tapered, a core disposed within said bore and having a tapered portion of substantially the same taper as said bore and of a length not less than one-half the diameter of the core and closely fitting the tapered portion of the core to form an annular restriction extending throughout a portion of the length of the core to reduce the pressure of the beer, said core at the discharge end of the bore being gradually increasingly spaced from the walls of the bore in the direction of flow for a distance at least equal to the length of said first named tapered portion to provide a passageway of gradually increasing cross sectional area to control the expansion of the gas within the beer and prevent agitation thereof in leaving the annular passageway formed by the core, and means for moving said core axially within said bore to vary the reduction in pressure afforded by said restriction.

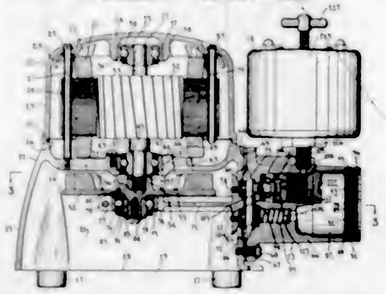
2,236,620
FAUCET
Richard T. Cornelius, Minneapolis, Minn.
Application April 17, 1939, Serial No. 268,276
9 Claims. (Cl. 251—132)

1. In a faucet, a tubular body, a shoulder at one end of said body, a seat at the other end of the body, means forming an inlet to said body between the shoulder and seat, a second shoulder adjacent said seat, a cup-shaped guide disposed within said body and seated on said second shoulder, a valve stem guided for movement along said guide, a diaphragm overlying said first named shoulder and secured to said valve stem, a clamping disc overlying said diaphragm, a tubular housing extending outwardly of said body and having an outwardly extending portion engaging said clamping disc, a valve head on said valve stem, means for simultaneously urging said outwardly extending portion, disc and diaphragm to-



gether and toward said shoulder, a spring disposed about said valve stem and engaging said cup-shaped guide and a part movable with said valve stem and urging said valve stem to move in a direction to bring said valve head into engagement with said valve seat and means disposed within said housing for operating said valve stem.

2,236,621
MOTOR PUMP UNIT
Richard T. Cornelius, Minneapolis, Minn.
Application April 17, 1939, Serial No. 268,278
10 Claims. (Cl. 230—211)



1. In a motor pump unit, a driven shaft, a disc secured to said shaft, blades issuing from said disc and integral therewith, a stub shaft formed on the opposite side of the disc and integral therewith, said stub shaft being eccentric relative to said driven shaft, and a connecting rod pivoted to said stub shaft and operating the pump, said blades on the side of said disc opposite said stub shaft being heavier than the blades on the side of said disc on which the stub shaft is disposed.

2,236,622
SAFETY CLOSURE DEVICE FOR CONTAINERS
Juan Marco Fannu, Sao Paulo, Brazil
Application December 15, 1939, Serial No. 309,441
In Brazil December 15, 1938
2 Claims. (Cl. 215—21)

1. A safety closure device for containers for preventing the adulteration of the contents thereof, characterized in that it comprises in combination of a lower cylindrical hollow body portion adapted to be inserted into the neck of the container and provided with an upper outwardly extending flange adapted to abut against the top edge of said neck with the insertion of a packing ring therebetween, said upper flange being provided with an upper circumferential bead rounded off at its outer periphery and provided with a plurality of radially arranged slots cut in said bead, the hollow of said lower cylindrical hollow portion being open at the top and closed at the bottom except for a central opening formed in said bottom and the inner wall of said hollow being provided with a plurality of radially arranged inwardly projecting vertical ribs, the said lower hollow cylindrical body portion being provided with a small sphere lodged in the hollow thereof in such a way as to normally seat against and close up said central bottom opening at the same time that it is free to play within said hollow wherein it is guided in its to and fro motion by means of the said radially arranged vertical ribs; an upper body portion adapted to be applied by its base over the said lower body portion so that the base of the upper body abuts against the said circumferential top bead of the lower body, the said base portion being also rounded off at its outer periphery so as to form with the rounded periphery of the said circumferential bead a continuous circumferential groove at the junction of the said lower and upper body portions, said upper body portion being provided at the top



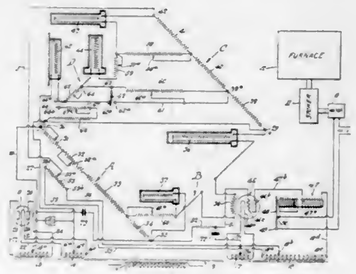
with a central cavity and at the outer periphery with a plurality of elongated grooves which serve to establish communication between the top cavity of the said upper body and the said circumferential groove formed at the junction point of the said upper and said lower bodies; and a finishing capsule made of ductile material, such for instance as sheet aluminum, which is adapted to be applied over the said lower and upper body portions and the neck of the container to tighten said body portions together and against the said neck and to cover the open portions of the said elongated grooves of the upper body and the circumferential groove at the junction point of the said upper and lower bodies, and which is adapted to be fixed in position on the neck of the container by pressing the downwardly extending apron thereof over and around suitable circumferential ribs in said neck, the said finishing capsule being provided at the top with a central opening from which a tubular portion is made to project downwardly into the interior of the top cavity of the upper body portion, the bottom of said tubular projection being closed and being adapted to be opened for use by means, for instance, of a pointed tool when the container is to be emptied, the finishing capsule is adapted, after application on the container, to be machine stamped with numbers and wordings, and if desired the material of the capsule may be weakened along suitably predetermined lines in such a way that when struck from the top for opening the same it opens up and spreads inside in the form of a star without any pieces breaking off and dropping into the container.

2,236,623
METHOD OF MANUFACTURING SHOES
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application July 6, 1939, Serial No. 282,985. Divided and this application April 13, 1940, Serial No. 329,525
10 Claims. (Cl. 12—142)



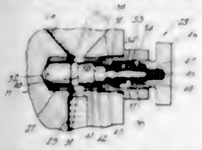
1. That improvement in methods of making shoes which comprises providing an outsole which extends only a short distance rearwardly of the heel breast line of a shoe and has a recess in its rear portion located between the opposite edge faces of the outsole, maintaining said outsole in a predetermined position by engaging said recess, placing a shoe on the outsole and positioning the shoe relatively thereto, attaching the outsole to the shoe while maintaining the relative positions thereof, and during the attaching operation holding the central portion of the rear end of the outsole separated from the shoe bottom for a substantial distance beyond the recess both lengthwise and widthwise, thereby providing an opening between the rear portions of the outsole and shoe bottom for the reception of the lip of a Breastlock heel.

2,236,624
TEMPERATURE CONTROL APPARATUS
Leo F. Littwin, Chicago, Ill.
Application April 22, 1936, Serial No. 75,743
9 Claims. (Cl. 236—91)



1. Control apparatus comprising a grid-controlled tube adapted to pass current to a device to be controlled, a bridge circuit having thermosensitive potential carrying resistance elements in opposed arms thereof adapted to be subjected to temperature changes of different media for controlling the application of tube operating potentials on the grid in accordance with predetermined temperature changes of said media, and means for varying the relative potentials of certain of said elements while maintaining the same relative balance of the bridge circuit.

2,236,625
VALVE FOR STENCIL BRUSHES
Walton C. Marsh and Herbert W. Hempel, Belleville, Ill., assignors to Marsh Stencil Machine Company, Belleville, Ill., a corporation of Illinois
Application December 21, 1938, Serial No. 246,954
4 Claims. (Cl. 251—50)



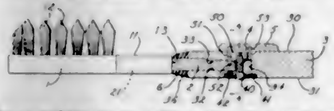
1. In a device of the kind described, an adjustable valve unit disposed to vary the cross-section of the fluid passage of a fountain brush, said valve unit including a plunger threadedly mounted in an intermediate section of the brush for minute determination of the flow section of the passage, and a spring and washer means maintaining said plunger in selected position, said spring, washer and plunger being connected for simultaneous movement.

2,236,626
CAKE AND PIE PIECER
Franklin C. McGill, Point Pleasant, N. J.
Application August 29, 1938, Serial No. 227,349
1 Claim. (Cl. 146—150)



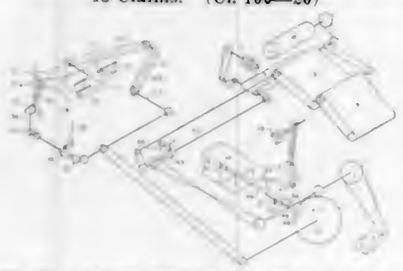
A cake or pie piecer comprising a disc shaped member having an upper and lower surface, indicating means extending through the disc including several series of circumferentially spaced radically disposed slots opening at the circumference of the disc and having their inner terminals concave about axis parallel to the axis of the disc, each series of slots having their inner termini at an equal distance from the center of the disc but the termini of different series being different distances from the center of the disc, identifying marks on the upper surface of the disc corresponding to said several series of slots, and bayonet shaped supporting members extending downwardly from the bottom surface of the disc and spaced about the periphery thereof to support the disc immediately over the center of a cake or pie to be sliced.

2,236,627
TOOTHBRUSH AND HEAD
Earl J. McWhirter, Seattle, Wash.
Application January 16, 1939, Serial No. 251,063
9 Claims. (Cl. 306—28)



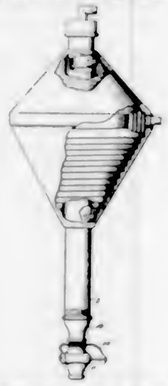
1. In combination with a brush head having a non-circular stem, a handle complementally socketed to receive the stem, the handle having a transverse circular bore intersecting the socket, an external operating lever closing the bore at one end and having an integral hub closely received within the bore for oscillation of the lever, means including a headed pin closing the opposite end of the bore, the pin being received in the end of the hub to secure each other mutually within the bore, a locking dog integral with and projecting in an axial direction from the hub, the stem of the head being of a length to project within the bore, and having an arcuate slot concentric with the bore and disposed to be engaged by the locking dog, as the latter oscillates, to lock the head removably upon the handle.

2,236,628
MEANS FOR BALING MATERIAL
Edwin B. Nolt, Farmersville, Pa.
Application April 9, 1938, Serial No. 201,089
13 Claims. (Cl. 100—20)



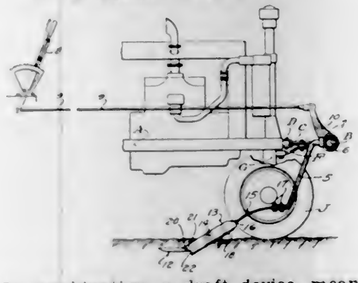
11. In a baling machine, a metering wheel actuated by an accumulating bale, and means responsive to movement of said wheel for motivating a plunger-arresting latch, a tying mechanism and a bale shearing device.

2,236,629
FLUID RECTIFIER
Ross E. Parker, Toledo, Ohio
Application June 14, 1937, Serial No. 148,247
6 Claims. (Cl. 210—58)



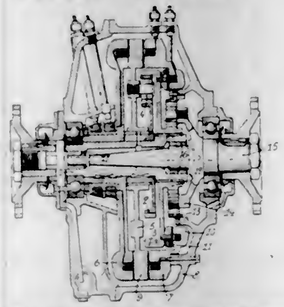
1. A rectifier for treating liquids comprising a central tubular core having a sediment discharge outlet at the lower portion and an outlet at the upper portion for the treated liquid, a ribbon of flexible sheet material spirally wound upon said core, the inner end of said ribbon being widest and tapering therefrom to a relatively narrow outer end portion, means for forming a fluid tight joint between the inner end of the ribbon and the core, means for spacing and closing the spaces between adjacent convolutions to form a closed spiral chamber, said ribbon being of such length and width that the chamber formed permits the heavier constituents to separate from the lighter constituents of the liquid passing therethrough, and an inlet connected to the narrow portion of the ribbon, said sediment discharge outlet and outlet for the treated liquid being disposed within the confines of said ribbon.

2,236,630
CULTIVATOR
Adolph Ronning, Minneapolis, Minn.
Original application August 26, 1938, Serial No. 226,941. Divided and this application December 14, 1939, Serial No. 309,205
15 Claims. (Cl. 97—47)



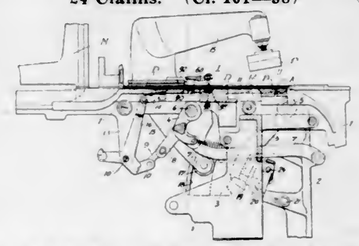
1. In combination, a draft device, means for raising and lowering the draft device, an earth working tool assembly comprising a flat spring blade member having a lower edge disposed at a sharp angle for entering the earth with a forwardly and downwardly slicing action, the frontal end portion of the blade member being twisted approximately ninety degrees, such frontal blade portion being attached to the draft device in a manner to yieldably support the rear portion for upward and downward movement relative to the draft device, and an earth working tool secured to the rear portion of the blade member.

2,236,631
MECHANISM FOR REVERSE DRIVES
William Miles Thomas, Four Oaks, England, and Jean Cotal, Paris, France
Application December 29, 1939, Serial No. 311,684
In France November 7, 1938
2 Claims. (Cl. 74—298)



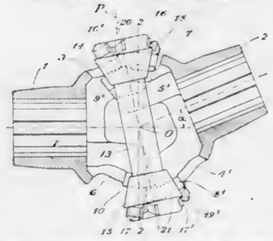
1. A mechanism for reverse drive comprising in combination a driving shaft, a driven shaft, a sun wheel secured to said driving shaft, a rotatable annular wheel, a pinion carrier carrying at least one planetary pinion meshing with said sun wheel and with said annular wheel, selective means adapted to bring said pinion carrier selectively in three different positions, the one in which said carrier is held against rotation, the second in which said pinion carrier is connected with one of said wheels and the third in which said carrier assumes an inoperative position between the two first mentioned positions, means connecting said annular wheel with said driven shaft, and braking means adapted to hold against rotation said annular wheel and driven shaft when said carrier assumes its inoperative position, said braking means including an armature secured to said rotatable annular wheel and a stationary electromagnet adapted when energized to attract said armature and to hold said armature and said annular wheel against rotation.

2,236,632
PRINTING MACHINE
August Thurmann, Berlin, Germany, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application July 10, 1939, Serial No. 283,669
In Germany August 2, 1938
24 Claims. (Cl. 101—58)



13. In a selector of the character described, a carrier movable between inactive and sensing positions, a selector bar adapted to be mounted on said carrier and having a plurality of mounting positions, a plurality of group sensing members adapted to be mounted in selected ones of said positions on said selector bar to define a predetermined group, an individual sensing member adapted to be mounted on said selector bar in any selected one of said positions, and control means mounted on said carrier and operable under the joint control of all of said group sensing members to effect a desired control operation.

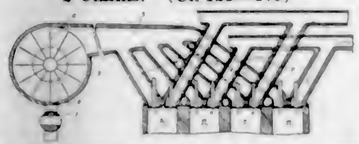
2,236,633
UNIVERSAL JOINT
Sven Gustaf Wingquist, Remningstorp, Sweden
Application May 9, 1939, Serial No. 272,657
In Sweden April 4, 1939
12 Claims. (Cl. 64—21)



1. A universal joint having one centre of de-

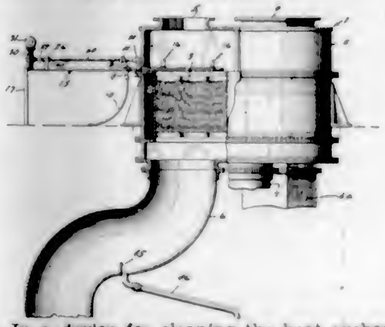
flection, comprising a driving member, a driven member, substantially diametrically opposed races on each of said members, bevelled toothed elements on each of said members, a single rigid transmission member between said driving and driven member, roller elements on said transmission member bearing against the races of said driving and driven member, and bevelled toothed elements on said transmission member rigidly secured to each other and meshing with the said toothed elements on the driving and driven member, respectively.

2,236,634
METHOD AND MEANS FOR STARTING DIESEL ENGINES
Okiye Yamashita, Tokyo, Japan
Application June 6, 1939, Serial No. 277,714
2 Claims. (Cl. 123—179)



1. A Diesel engine for operation at abnormally low compression ratio comprising a supercharger, a valve controlling the passage of air to said super-charger, engine cylinders having exhaust and suction valves, separate connections between said super-charger and the suction valves, a change-over gear for adjusting the valves of certain of the engine cylinders for converting the latter into compressor cylinders to cause air to be drawn through the exhaust valves of the compressor cylinders and to be delivered through the suction valves thereof to the remaining engine cylinders, thereby supercharging said remaining cylinders to facilitate self-starting.

2,236,635
APPARATUS FOR CLEANING PREHEATERS
Jay A. Young, Lake Monroe, and James E. Abernathy, Jr., Sanford, Fla.
Application January 3, 1940, Serial No. 312,298
10 Claims. (Cl. 257—6)



1. In a device for cleaning the heat exchange surfaces of a preheater which is arranged in cooperation with the combustion air system and the flue gas system of a furnace, for the flow of flue gas over the heat exchange surfaces to heat said surfaces and for the flow of air over the heated surfaces to heat the air, means for discharging a single small stream of a washing liquid progressively over small portions of said heat exchange surfaces, during the flow of air over said surfaces, to avoid cooling more than a very small portion of said heat exchange surfaces at one time, and means to trap and remove the liquid after it has passed through the preheater at a point in the combustion air system intermediate the preheater and the furnace.

2,236,636
VENTILATED PANTS OR SLACKS
Louise V. Young, Tulsa, Okla.
Application June 21, 1939, Serial No. 280,416
1 Claim. (Cl. 2—227)



A garment of the trousers type including a pair of legs, each leg having a slit therein extending to a point above the knee, fastening means for closing the slit, each leg having a cuff thereon through which the slit passes and snap fastener means for connecting the cuff portion to the leg portion when the cuff portion is in closed position, and a snap fastener part adjacent a side pocket for receiving one of the before-mentioned snap fastener parts for holding the leg in folded or loose position.

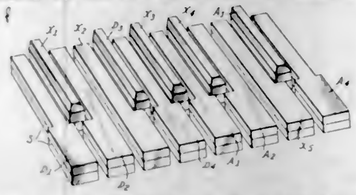
2,236,637
BASKET
George E. Zapp, Lockport, N. Y.
Application May 14, 1940, Serial No. 335,129
1 Claim. (Cl. 217—134)



A basket cover comprising a hoop having an internal groove therein, an assembly of diametrically disposed panels in said hoop crossed in overlapping relation and having curved ends fitting in said grooves, said panels being longer than the diameter of said hoop to cause the same to bend into upwardly bowed position and the top panel being thicker than the others to reinforce the assembly against downward pressure thereon, wire staples connecting the panels together at the crossed portions thereof, and a pair of diametrically disposed bails at the opposite ends of one panel, respectively, having legs extending downwardly through said panel and outwardly through said hoop and clinched against the latter, said bails having hand grip ends above said panel bendable flat against the same or outwardly of the hoop and upwardly selectively.

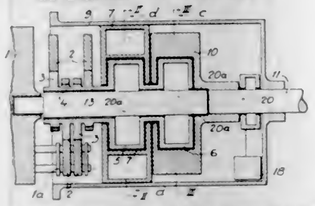
2,236,638
BLOCK KEYBOARD FOR MUSICAL INSTRUCTION
William H. Adams, Fayetteville, Ark.
Application March 3, 1939, Serial No. 259,636
2 Claims. (Cl. 84—476)

1. A device for musical instruction comprising a first set of individual dummy key blocks of one color shaped to represent a portion of the keys of a piano keyboard for a selected major diatonic musical scale, a second set of individual dummy key blocks of a second color shaped to represent further keys of the piano keyboard making up the remainder of the selected major



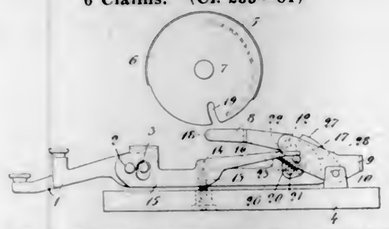
diatonic musical scale to the octave and assembled at one end of the first set, and a series of individual fill-in dummy key blocks of a third color interfitted with key blocks of both first two sets to represent keys of the piano keyboard intervening between and forming with the blocks of the first two sets a complete chromatic scale.

2,236,639
AUTOMATICALLY VARIABLE CHANGE SPEED GEAR DEVICE
David Werner Berlin, Rasunda, Sweden
Application March 22, 1938, Serial No. 197,519
In Sweden March 31, 1937
13 Claims. (Cl. 74—64)



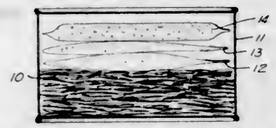
1. An automatically variable change speed gear device including a drive shaft, a driven shaft, an oscillating shaft having eccentrics thereon, centrifugal weights carried by and rotating with said drive shaft and coacting with said eccentrics to impart power impulses to the eccentric shaft, and fluid pressure means to transmit the power impulses from the eccentric shaft to the driven shaft.

2,236,640
CALCULATING MACHINE
Roy Enar Harald Hanson, Stockholm, Sweden, assignor to Aktiebolaget Result, Stockholm, Sweden, a company of Sweden
Application April 20, 1939, Serial No. 268,996
In Sweden May 6, 1938
6 Claims. (Cl. 235—81)



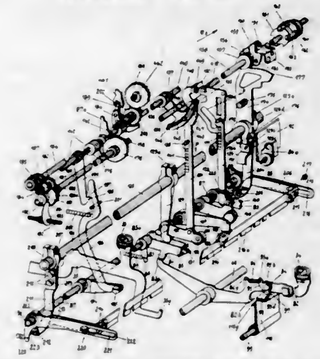
1. In a calculating machine the combination with a setting member to be adjusted, of a key-lever, a swingably mounted adjusting arm, a lever bar connected with said adjusting arm and extending across the rear end of said key-lever, and an intermediate push member pivotally mounted on the rear end of said key-lever so as to be swingable perpendicularly to said lever bar, said push member being formed with an arcuate bearing surface partly embracing said lever bar in such manner as to allow said bar, in the position of rest of the key, to be moved freely away from said bearing surface.

2,236,641
FOOD PRODUCT AND THE PROCESSING THEREOF
Bernardo H. Karmen, Los Angeles, Calif.
Application June 27, 1938, Serial No. 215,994
3 Claims. (Cl. 99—124)



1. The method of treating onions which comprises subdividing the onions; processing the onions with heat in the presence of fat until the onions turn brown; and then removing only the moisture from the onions so that the product will retain its vitamin content and will be in a dry state preserving the product without deterioration over an indefinite period of time.

2,236,642
TYPEWRITING-CALCULATING MACHINE
Hugo Ernst Kämmel, Zella-Mehlis in Thuringia, Germany, assignor to Mercedes Büromaschinen-Werke Aktiengesellschaft, Benshausen, Thuringia Postamt Zella-Mehlis, Germany
Application May 14, 1934, Serial No. 725,636
In Germany May 15, 1933
10 Claims. (Cl. 235—59)



1. In a combined typewriter and calculating machine, the combination of value typing keys, and a register including value wheels, calculating keys corresponding in value to said typing keys, a differential mechanism operative under control of said calculating keys and including a variably rockable toothed sector, means to operatively connect said sector with said wheels, a driving member common to and operable under the control of the several calculating keys for driving said sector, and means controlled by

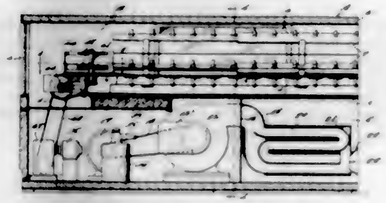
said sector for selectively operating said typing keys in correspondence with said calculating keys.

2,236,643
BEDPAN
Harold Kemp, Miami, Fla.
Application August 1, 1939, Serial No. 287,825
5 Claims. (Cl. 4—112)



1. The combination with a bedpan of the type having side walls provided with spaced brackets of leg supporting plates having laterally extending shanks, said shanks aligning with the brackets and terminating in right angularly disposed pintles adapted to be removably received by the brackets and to hold the said plates spaced laterally from the said pin.

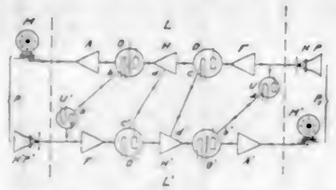
2,236,644
COOLING DEVICE
Irwin Kotcher, Brooklyn, N. Y.
Original application March 11, 1938, Serial No. 195,387. Divided and this application December 12, 1939, Serial No. 308,854
4 Claims. (Cl. 62—102)



1. In a carton-treating device of the character described, a chamber having a pair of openings in one end thereof, a conveyor passing through one opening into the chamber, a second conveyor in the chamber and passing through the other opening, said conveyors being disposed in parallelism in a horizontal plane, a turntable adjacent the other end of the chamber for transferring cartons from one conveyor to the other, and means arranged within said chamber and in operative position to said conveyors for directing jets of cold fluid against exterior portions of the cartons and into the cartons as the cartons pass into, through and out of said chamber.

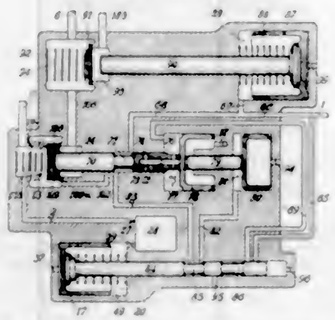
2,236,645
TELEPHONIC SYSTEM
Jacques Lévy, Paris, France
Application August 15, 1939, Serial No. 290,247
2 Claims. (Cl. 179—1)

1. A two-direction telephonic system of the type described, including an outgoing line and an incoming line, each having a loud-speaker, and a high frequency intermediate amplifier connected therein; means in each line connected to the intermediate amplifier of the other line for supplying a voltage to the intermediate amplifier of the other line for considerably reducing the amplification of the intermediate amplifier of said other line when the first line is utilized, said reducing



action being automatically eliminated when said other line is utilized, due to the resulting simultaneous throwing out of action of the first line which is not then utilized.

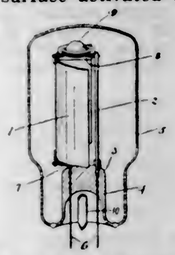
2,236,646
CONTROL MECHANISM FOR POWER OPERATED GEAR SHIFTING APPARATUS
Karl Maybach, Carl Böttner, Eugen Glücker and Gustav Meyer, Friedrichshafen, Bodensee, Germany, assignors to Maybach - Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany
Application October 30, 1937, Serial No. 172,020
In Germany October 31, 1936
23 Claims. (Cl. 137—139)



1. A control device for pressure-operated gear shifting mechanism in motor vehicles including a double acting valve for controlling the supply of shifting pressure to the shifting mechanism operative in each of its end positions to shut off the shifting pressure and operative in an intermediate open position to supply shifting pressure, an operating lever having two operating positions, lever operated actuated means for moving the double acting valve providing an interrupted movement of the valve responsive to any movement of said lever from one operating position to the other operating position from one closed end position to intermediate open position and then from intermediate open position to the other closed end position.

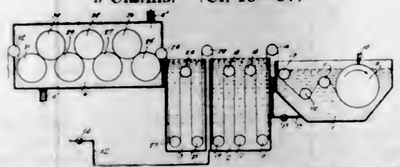
2,236,647
ELECTRONIC TUBE
Oran T. McIlvaine, Geneva, Ill.
Application January 6, 1932, Serial No. 584,967
Renewed December 15, 1937
8 Claims. (Cl. 250—165)

1. A photo-electric tube comprising an anode and a silver-covered photo-electrode having a non-specular surface activated by caesium, the



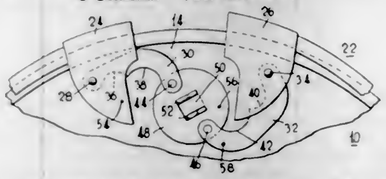
surface of said electrode exhibiting a color which lies between a straw color and a brown color.

2,236,648
PROCESS FOR THE PRODUCTION OF FOILS OR FILMS OF CELLULOSE TRIACETATE
Kurt Nagel, Josef Seib, Ludwig Scheffer, and Karl Werner, Mainz-Mombach, Germany, assignors, by mesne assignments, to Chemical Marketing Company, Inc., New York, N. Y.
Application March 6, 1936, Serial No. 67,554
In Germany March 6, 1935
9 Claims. (Cl. 18—57)



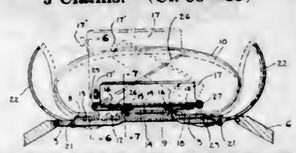
1. A process for the production of foils or films of cellulose triacetate, comprising forming a film of acetylated solutions of cellulose triacetate, in which the cellulose triacetate has an acetyl content of at least 59%, calculated as acetic acid, and in which the catalyst has been rendered inactive substantially directly after termination of the acetylation, and introducing such film into an aqueous precipitating bath which contains from 7% to 20% of acetic acid, washing out and drying the film thus obtained.

2,236,649
CLAMPING RING
John R. Proctor, Bayonne, N. J., assignor to Atlas Steel Barrel Corporation, Bayonne, N. J., a corporation of New Jersey
Application May 16, 1935, Serial No. 21,890
3 Claims. (Cl. 220—61)



1. The combination with a split channeled clamping ring having lugs fixedly associated with the ends thereof and extending inwardly, of links pivoted to the under side of said lugs, each link being of generally arcuate contour on one side and having on its opposite side a pair of adjacent concave seats, a disc pivotally connected at substantially opposite marginal portions thereof to the under side of said links adjacent the free ends thereof and operable on rotation to draw said links into superposed relation therewith, the free ends of each link fitting into one of the concave seats on the inside of the other link, the remaining concave seat of each link forming an annulus concentric with said disc, thereby drawing the ring ends together and locking the same in position.

2,236,650
COMBINATION WATCH AND PROTECTOR
Albert J. Pujol, Astoria, Long Island, N. Y., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application July 23, 1940, Serial No. 346,895
3 Claims. (Cl. 58—88)



1. An assembly of the character described comprising a housing having pivotal sections mounted on a common pivot and movable toward and away from one another from open to closed position and vice versa, a watch normally positioned within the housing, a spring normally tending to open said sections, and finger operable levers bearing against the exterior of said sections and spring pressed to normally hold said sections in closed position, said levers being manually retractable to permit the sections to open.

2,236,651
CIGAR MAKING MACHINE
Constantin Friedrich Röber and Ernst Röthig, Dresden, Germany, assignors, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application April 13, 1938, Serial No. 201,772
In Germany May 15, 1937
10 Claims. (Cl. 131—30)

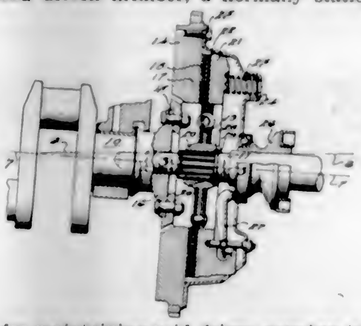


1. In combination with a cigar wrapping structure including filler rollers and a wrapper transferring means, means engageable with an adjacent end of the wrapper on said transferring means, for releasing the wrapper from the transferring means, a socket, means supporting said socket for movement toward and away from said filler rollers, and means carried by said socket for engagement with said releasing means whereby said releasing means may enter said socket with the adjacent end of the wrapper.

2,236,652
CLUTCH MECHANISM
Wilbur F. Shurts, Highland Park, and Donald A. Baird, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 11, 1938, Serial No. 207,246
9 Claims. (Cl. 192—68)

5. In a clutch mechanism including a driving member, a driven member axially movable rel-

ative to said driving member, an axially movable pressure member for moving said driven member into frictional engagement with said driving member, said pressure member being retractable to accommodate disengagement of said driving and driven member, a normally stationary



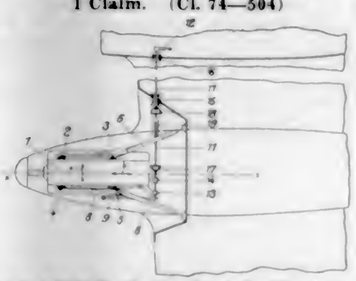
stop for maintaining said driven member in axially spaced relation to said pressure member when the latter is in retracted position, and yielding means acting against said stop for effecting disengagement of said driving and driven members.

2,236,653

CONTROL TRANSMISSION MECHANISM

Bruno Stärke, Dessau, Germany, assignor to Junkers Fluggeug-und-Motorenwerke A. G., Dessau, Germany, a corporation of Germany

Application February 9, 1939, Serial No. 255,545
In Germany March 29, 1938
1 Claim. (Cl. 74—504)



In an aircraft of the type having a control stand and an engine, said engine being elastically mounted and partaking of vibrational movement upon its longitudinal axis during operation and also being provided with a carburetor having a throttle; a control transmission mechanism including, in combination, a shaft extending transversely of the longitudinal axis, bearings for the ends of said shaft, the bearing at one end being rigid with the engine and at the other being rigid with control stand, and at least one sliding connection and joints between said bearing permitting bending movements and changes in the length of said shaft without transmitting control movements, said joints including at least one universal joint.

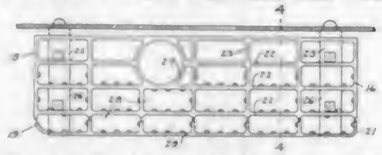
2,236,654

BRAKE STEP FOR RAILWAY CARS

Sven J. Strid, Chicago, Ill.

Application July 31, 1940, Serial No. 348,707
6 Claims. (Cl. 105—443)

1. A brake step comprising a cast metal plate having one set of bars extending longitudinally of the plate in spaced relation and another set of bars extending transversely of the plate in spaced relation to one another and cast integral with the first named bars, said bars forming



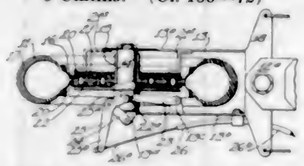
openings smaller in dimensions than the heel of a brakeman's shoe, and angular projections integral with said bars and extending a short distance above the plane of said bars and laterally thereof, for constituting anti-slipping devices.

2,236,655

AIRPLANE TAIL WHEEL BRAKE

Wilfred J. Viau, Culver City, Calif.

Application October 12, 1938, Serial No. 234,591
6 Claims. (Cl. 188—72)



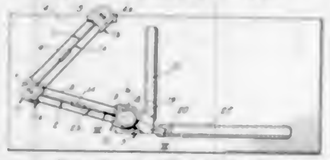
1. An airplane wheel construction, comprising a wheel support, a wheel revolubly mounted and axially slidable thereon, a stationary brake member mounted on the support at one side of the wheel, and a manually operable and axially shiftable brake member mounted on the support at the opposite side of the wheel, and adapted, when shifted axially toward the wheel, to apply braking action simultaneously to the opposite sides of the wheel.

2,236,656

DRAFTING MACHINE

Vard B. Wallace, Sierra Madre, Calif., assignor to Security-First National Bank of Los Angeles, Los Angeles, Calif.

Application February 12, 1940, Serial No. 318,491
6 Claims. (Cl. 33—79)



1. In combination with a drafting machine including a head member having a tool member pivotally secured thereto and a device for securing said members against relative pivotal movement comprising a pawl mounted on one of said members for movement from a position engaging the other of said members to a position disengaged therefrom, a pawl control device including: shaft means supported for rotary movement relative to said head member and relative to said tool member; control means coupled to one end of said shaft for rotating said shaft; means inter-coupling the other end of said shaft with said pawl for translating rotary movement of said shaft into movement of said pawl from said engaged to said disengaged position; and

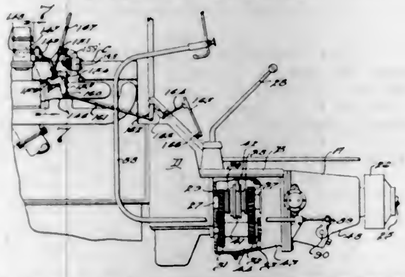
means coacting with said pawl and responsive to movement of said shaft beyond a position corresponding to said disengaged position for locking said pawl in said disengaged position.

2,236,657

POWER TRANSMISSION

Edmond F. Webb, Franklin Village, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application June 27, 1938, Serial No. 216,003
19 Claims. (Cl. 74—472)



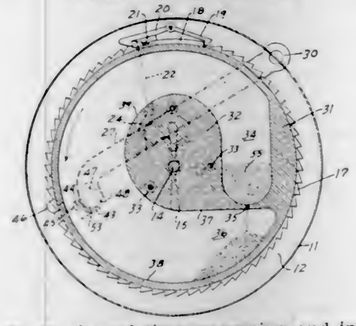
1. In a power transmission for driving a motor vehicle having an internal combustion engine provided with an electrical ignition circuit and a driver manipulated throttle control; a driving shaft adapted to receive drive from the engine and a driven shaft adapted to drive from said driving shaft, planetary gearing operable between said shafts for driving the driven shaft from the driving shaft, said gearing including a rotatable control gear adapted to be held from rotation to provide said drive and to be released for rotation to release said drive, holding means selectively operable to hold said control gear against rotation or to release said control gear for rotation, means including a solenoid for selectively controlling operation of said holding means, means responsive to manipulation of said throttle control for controlling energization of said solenoid, means operable by said solenoid for momentarily interrupting the electrical ignition circuit, and means responsive to energization of said solenoid for releasing said holding means.

2,236,658

TIMING AND INDICATING DEVICE

Harry N. Wheeler, Birmingham, Ala., assignor of one-half to Albert E. Klinkicht, Cincinnati, Ohio

Application February 23, 1940, Serial No. 320,456
6 Claims. (Cl. 194—61)



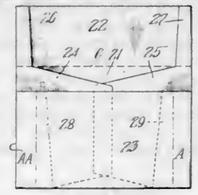
1. In an elapsed time measuring and indicating meter, a cabinet having therein a ratchet wheel fast on a horizontal shaft, means accessible from without the cabinet to rotate said ratchet wheel, a pair of reversely disposed pawls coacting with the ratchet wheel teeth to limit its rotation to a given direction, a stop on the ratchet wheel to arrest and lock it by engagement with one of said pawls at the completion of each rotation, a hollow glass annulus fast on the ratchet wheel and containing a sealed-in flow-medium and having internal walls defining a delivery chamber and a receiving chamber for the flow-medium, said delivery chamber being located above the receiving chamber, a diaphragm containing a restricted nozzle interposed between said chambers, and a bypass having an outer continuous arcuate wall over which said flow-medium travels, responsive to the rotation of the container, from the receiving to the delivery chamber, and a window in the cabinet opposite the chamber selected to indicate, by the volume of the flow-medium therein in relation to a time scale, the elapsed time since the meter was last operated.

2,236,659

TWO COMPARTMENT ENVELOPE

Edward R. White, New Rochelle, N. Y.

Application December 2, 1937, Serial No. 177,709
3 Claims. (Cl. 229—72)



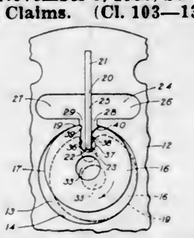
1. An envelope having a body portion and main flaps constituting the walls of a compartment, and a third flap constituting a wall of a secondary compartment, said main flaps constituting a wall common to both compartments, and said main flaps and said third flap having marginal edges for receiving a fourth flap for enclosing said compartments, and said fourth flap for the length thereof having inturned marginal edges interposed between the said marginal edges of the main flaps and the third flap.

2,236,660

PUMP

Everett H. White, St. Paul, Minn.

Application November 5, 1938, Serial No. 239,119
4 Claims. (Cl. 103—131)



1. A rotary type pump comprising a casing providing a pump chamber including an internal cylindrical wall, an impeller eccentrically situated within the pump chamber and including an external cylindrical wall in proximity to said internal cylindrical wall of said pump chamber,

the external cylindrical wall of said impeller having diameter smaller than that of the internal cylindrical wall of said pump chamber and said external cylindrical wall of the impeller and said internal cylindrical wall of the pump chamber together providing a crescent shape cavity at the side of said impeller and said pump chamber opposite the location of proximity between the external cylindrical wall of said impeller and the internal cylindrical wall of said pump chamber, an abutment stationarily supported by the pump casing and slidably associated with the impeller to separate the high pressure side from the low pressure side of said pump fluid inlet and outlet ports for said casing on opposite sides of said abutment, said abutment in cooperation with said impeller and pump casing being so constructed and arranged that fluid pressure at the high pressure side of the pump acts between the abutment and the impeller so as to urge the impeller into contact with the abutment on the low pressure side thereof to provide a positive shut-off between said high pressure side and said low pressure side of the pump dependent in its operation upon differential in fluid pressure between the high pressure side and the low pressure side of said pump, and means for moving said impeller in directions longitudinally and transversely of said abutment and for simultaneously advancing said external cylindrical wall of the impeller progressively over said internal cylindrical wall of the pump chamber to cause said crescent shape cavity to progress in direction causing all portions thereof to increase in size with movement of said portions from the high pressure side toward the low pressure side of the pump and to decrease in size with movement of said portions from the low pressure side toward the high pressure side of said pump.

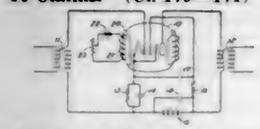
2,236,661

CONTROL OF SPACE DISCHARGE APPARATUS

Ira G. Wilson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 16, 1938, Serial No. 240,691

10 Claims. (Cl. 179—171)



6. In combination with a grid-controlled space discharge device having an input and an output circuit, a source of space current in said output circuit, said device adapted to amplify waves of a band of frequencies with inherent distortion of both even and odd order, means for selectively controlling the relative amounts of even and odd order distortion while maintaining the tube gain substantially the same, comprising means to apply a steady magnetic field of predetermined intensity to the interelectrode space, normal to the electron travel.

2,236,662

SHOCK ABSORBER AND SIMILAR MECHANISM

Donald L. Wright, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 31, 1938, Serial No. 227,773

2 Claims. (Cl. 188—88)

1. A viscous liquid damping mechanism comprising a variable volume chamber, a small orifice cooperating therewith and a liquid filling therein suitable for the production of substantially uniform compensating resistance under varying temperature conditions by a liquid flow through said small orifice, comprising a major proportion of a light petroleum lubricating oil having a pour point below about —10° F., and a sufficient quantity of thickened rapeseed oil having an iodine number below 75 to give the blend a viscosity in the range of about 1350 to 1450 Saybolt seconds at 100° F.

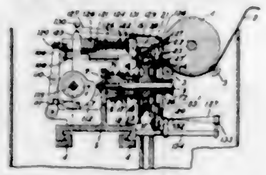
2,236,663

TYPE WHEEL TELETYPEWRITER

Arthur H. Adams, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application February 18, 1936, Serial No. 64,467. Divided and this application June 15, 1938, Serial No. 213,745

10 Claims. (Cl. 197—53)



2. In a printing telegraph machine, a platen adapted to bear a paper, a wheel bearing types that are to be advanced for printing and rotating in a plane substantially parallel to the paper at the printing point, and means for obtaining legible visibility of the last character printed, said means including instrumentalities for printig a type to the left and below the top center of said wheel looking toward said platen.

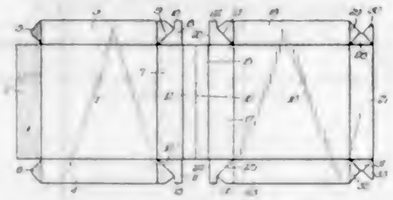
2,236,664

CARTON AND METHOD OF MANUFACTURE

Lawrence E. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois

Application August 24, 1938, Serial No. 226,434

2 Claims. (Cl. 93—49)



1. The method of forming a container having attached bottom and top sections, which comprises producing a blank having integral top and bottom sections provided with outer rear wall sections and being connected together by front wall sections and two locking strips having a combined width substantially equal to the width of one of said front wall sections, folding said blank along the division between one of said locking strips and one of said front walls, securing said rear wall sections together in overlapped relation, and severing said blank between said locking strips.

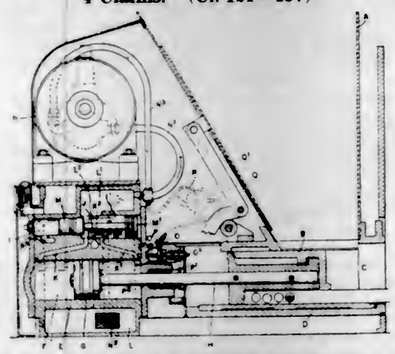
2,236,665

HYDRAULIC ACTUATING MECHANISM FOR STOKERS

Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan

Application June 26, 1939, Serial No. 281,302

4 Claims. (Cl. 121—157)



1. In a stoker, the combination with a fuel feeding ram, of a reciprocatory hydraulic motor directly connected therewith to retract the ram by its rear stroke and to feed the fuel by its forward stroke, means for supplying fluid to said motor at a substantially constant predetermined pressure, a valve controlling the reciprocations of said motor automatically quickly reversed at the completion of said rear stroke, a member actuated by hydraulic pressure having a lost motion connection to said valve, means operating at the beginning of the forward stroke of said motor for supplying the actuating fluid to said member to move it in one direction, means for moving said member in the other direction, and adjustable means for regulating the rate of supply and thereby controlling the timing of successive cycles of said motor and ram.

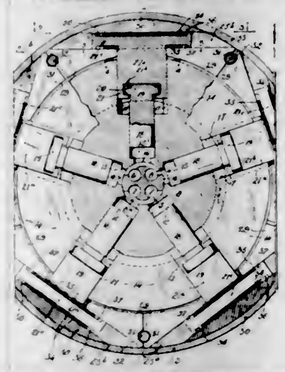
2,236,666

FLUID PRESSURE POWER PUMP OR MOTOR

Elek K. Benedek, Bucyrus, Ohio

Application February 26, 1936, Serial No. 65,871

4 Claims. (Cl. 103—161)



2. In a rotary radial piston pump or motor, a rotary cylinder barrel having a plurality of radial cylinders, pistons reciprocable therein, valve means for the cylinders, radial guideways on the barrel aligned respectively with the cylinders, a rotary reactance in surrounding relation to the barrel and eccentric thereto and having radial walls disposed at opposite sides of the plane of the pistons, and torque members operatively connecting the barrel and reactance for torque transmission and connected to the pistons for actuating the same upon concurrent rotation of the rotors, each torque member comprising a radial load transmitting portion reciprocable in and guided by said guideways for transmitting torque and load and connected at its inner end to an associated piston, and a chordal head portion on the outer end of the radial portion and rigid therewith and disposed between said radial walls of the reactance rotor and coacting with the rotary reactance entirely across the projected end area of the associated piston for load transmission, the chordal head portion being mounted for oscillation along the projected area of the associated piston to compensate for tangential components of eccentricity of the rotor and barrel.

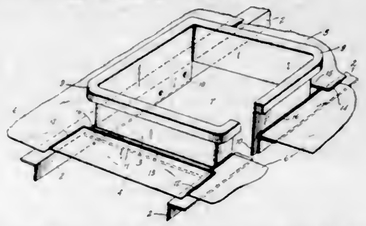
2,236,667

HATCH CONSTRUCTION

William E. Bikle, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa., a corporation of Delaware

Application December 4, 1939, Serial No. 307,393

12 Claims. (Cl. 108—5.4)



1. A hatch construction comprising spaced metal frame members, a metal hatch frame interposed between and rigidly secured to said frame members, said hatch frame having the side walls thereof that extend crosswise of said frame members bent outwardly therebetween, and a metal covering having an opening therein for said hatch frame, said covering being continuously supported around the edges of said opening on said frame members and said outwardly bent side walls of said hatch frame.

2,236,668

METHOD AND APPARATUS FOR LOGGING WELLS

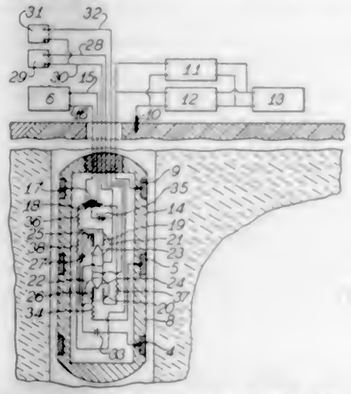
Ludwig W. Blau and Robert Russell Thompson, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

Application May 11, 1938, Serial No. 207,266

15 Claims. (Cl. 175—182)

1. A method for producing a composite well-log which comprises moving a pair of spaced conductive elements along a borehole filled with an aqueous fluid, feeding to one of said conductive elements a unidirectional current having a wave form varying between a minimum and a maximum value, picking up said current after its passage through the substrata around the borehole by said other conductive element at successive points along said borehole, simultaneously picking up, by said other conductive element, the natural earth potential between each of said successive points and a fixed point, simultaneously apply-

ing said picked up current and potential to a recording instrument having a movable element sensitive to both, and recording the movement of said element.



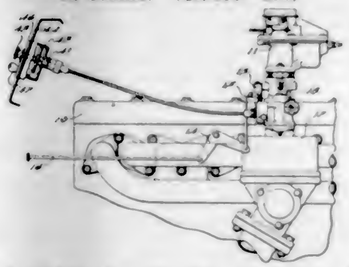
12. A method for producing a well log which comprises moving a pair of spaced conductors continuously along a bore hole filled with an aqueous fluid at a selected speed, feeding to one of said conductive elements a pulsating unidirectional current, having a frequency so related to the speed of travel of the conductive element that there is at least one cycle per foot of travel of said conductive element along the bore hole, picking up said current after it passes through the substrata around the bore hole by said other conductive element, and recording a value indicative of the rate of change of said current from its minimum to its maximum value and vice versa.

2,236,669

SPEED REGULATING MECHANISM

Carl Breer, Grosse Pointe Park, and Oscar M. Raes, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application May 12, 1937, Serial No. 142,144
12 Claims. (Cl. 137—152)



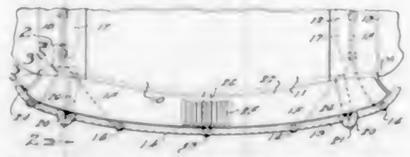
1. An internal combustion engine speed governing device comprising a throttle valve adapted to be moved towards a partially closed position by the flow of fluid thereby and mounted on a movable pivot pin, a lever arm rigidly mounted on said pin, a spring connected to said lever arm and adapted to yieldingly resist movement of said throttle valve towards the partially closed position, a slidable member adapted to constitute a support for the opposite end of said spring, a rotatable cam member disposed in engagement with slidable member and adapted to move it slidably to vary the force exerted by said spring on said lever arm, a link pivotally mounted on said cam, a lost motion connection between said link and said lever arm, and means for rotating said cam.

2,236,670

BUMPER AND STONE DEFLECTOR

Robert Cadwallader and Elmer C. Dodt, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 8, 1939, Serial No. 283,428
7 Claims. (Cl. 293—55)



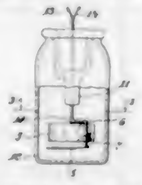
1. In a motor vehicle having a body and frame construction, a bumper having an impact bar spaced from said body and extending completely across said vehicle at one end thereof; a stone shield secured to said bumper and completely filling the space between said impact bar and said body; the securing means thereof comprising a cantilever bracket secured to said impact bar and extending toward said body for supporting said shield in a plane substantially aligned with the top edge of said impact bar.

2,236,671

STARTER SWITCH FOR GASEOUS DISCHARGE DEVICES

Charles Chirelstein, Newark, N. J.

Application June 25, 1940, Serial No. 342,213
9 Claims. (Cl. 250—27.5)



1. A starter switch for gaseous discharge devices, comprising a gaseous container, a bowed flat strip of bimetallic material supported at one end in said container with the opposite end free to move under thermal expansion of the strip and a fixed switch contact rod in said container disposed at an angle to the longitudinal extent of said bimetallic flat strip and extending in substantially parallel relation across the full width of the flat face of said strip at the free end of the same and an angular extension at the end of said rod contact projecting in spaced relation across the edge portion of said bowed bimetallic contact.

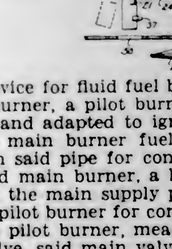
2,236,672

BROMINATED ARYLAMINOANTHRAQUINONE COMPOUNDS

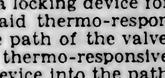
Samuel Coffey and Frank Lodge, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application April 27, 1938, Serial No. 204,680. In Great Britain May 4, 1937
2 Claims. (Cl. 260—373)

1. The products obtained by the bromination of the compounds of the following general formula



in which the bromine is present in the arylamino radical and in which X stands for a radical of the class consisting of —NH_2, —OH,



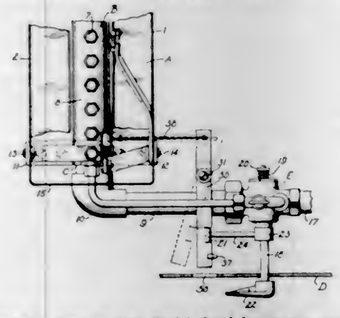
Y stands for an alkyl group containing at least 4 carbon atoms and Z stands for a substituent of the class consisting of —H and HSO_3—, and their sulfonation derivatives.

2,236,673

SAFETY DEVICE FOR GAS HEATERS

Hugh L. Cole, Chicago, Ill., assignor to Cole's Hot Blast Mfg. Co., Chicago, Ill., a corporation of Illinois

Application September 9, 1939, Serial No. 294,101
1 Claim. (Cl. 158—117.1)



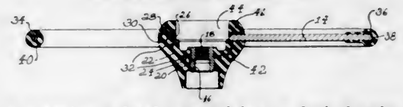
A safety device for fluid fuel burners comprising a main burner, a pilot burner adjacent the main burner and adapted to ignite fuel flowing therefrom, a main burner fuel supply pipe, a main valve in said pipe for controlling the fuel supply to said main burner, a by-pass pipe extending from the main supply pipe around said valve to said pilot burner for controlling the fuel supply to the pilot burner, means for operating said main valve, said main valve having a stem provided with a projecting portion, thermo-responsive means actuated by heat from the pilot burner flame, a locking device for said main valve operated by said thermo-responsive means into and out of the path of the valve stem projecting portion, said thermo-responsive means moving said locking device into the path of said projecting portion to hold the valve in closed position when the pilot flame is extinguished and moving said locking device out of said path when the pilot flame is burning, additional means effecting temporary movement of the locking device out of the path of the valve stem projecting portion upon movement of said valve operating means to close the valve, and a second thermo-responsive means actuated by the heat from the main burner flame, said first and second thermo-responsive means each being connected to a common support and having free ends in normal spaced relation, said second thermo-responsive means operatively engaging said first thermo-responsive means for moving said locking device into the path of the valve stem projection when the pilot burner flame is extinguished and said first thermo-responsive means fails to function.

2,236,674

STEERING WHEEL HUB

Charles E. Davy, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 18, 1937, Serial No. 169,536
1 Claim. (Cl. 74—552)



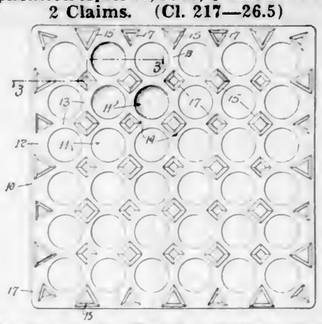
A steering wheel comprising a hub having a metallic sleeve, the outer periphery of which at its opposite ends is provided with flat portions forming oppositely disposed shoulders, oppositely directed cup members having their bottom walls seated on said shoulders, the metal of the outer peripheral portion being forced over said cup shaped members, moulded material around said cup members, and the outer periphery of said sleeve, and a metallic ring spaced from the upper edge of one of said cup members moulded in said moulded material.

2,236,675

PACKING MATERIAL

William J. De Reamer, Crown Point, Ind., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind., a corporation of Delaware

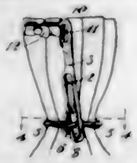
Application April 21, 1938, Serial No. 203,334
2 Claims. (Cl. 217—26.5)



1. A packing for fragile articles comprising a plurality of rectangular sheets having obverse and reverse sides, means providing projections on the obverse and on the reverse sides of said sheets, symmetrically arranged in intersecting rows extending parallel with two right angled edges of the sheet, the projections on the obverse side of the sheets being positioned in the same row as the projections on the reverse side of the sheets and alternately arranged with respect thereto, means providing article receiving pockets in each sheet and which pockets open through the obverse side thereof and are arranged in intersecting rows of six pockets each extending parallel with

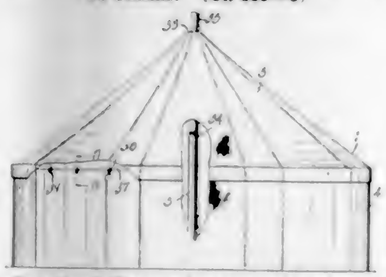
but in planes between those of said projections, said sheets being arranged in pairs, with the obverse sides thereof facing each other and with the pockets thereof opposing each other for receiving top and bottom portions of the article packed between them, said projections on the obverse sides of the sheets in each pair holding said sheets in spaced relation and said projections on the reverse sides of the adjacent sheets of adjacent pairs holding said sheets in spaced relation.

2,236,676
SEALABLE BAG TIE
John L. Dinsmoor, New York, N. Y., assignor of forty per cent to John Hassall, Inc., Brooklyn, N. Y., a corporation of New York
Application October 22, 1940, Serial No. 362,238
4 Claims. (Cl. 24—30.5)



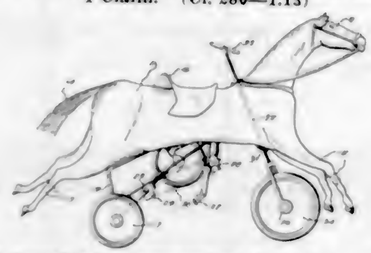
3. A device of the character described including in combination two relatively long members, each provided with an eye at either end, one of said members having one of its eyes of sufficient size to permit the free passage of the other member, one of the eyes in said other member being relatively long, a flexible member connecting the large eye of one member with the relatively long eye of the other member, and said members at their free ends, each having a relatively small eye, said small eyes being adapted to be brought together when the device is in operative position, for the reception through both eyes of a seal.

2,236,677
TENT AND TENT FRAME
Schuyler C. Eddy, Kalamazoo, Mich.
Application January 11, 1940, Serial No. 313,313
11 Claims. (Cl. 135—3)



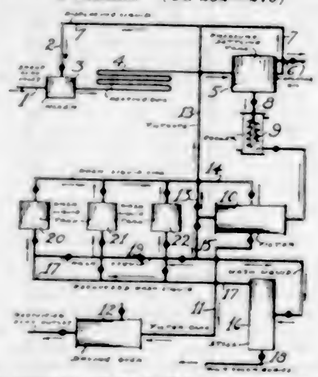
7. In a tent, the combination of a plurality of rectangular supporting frames disposed flatwise at the periphery of the tent, a plurality of substantially rectangular frames disposed horizontally and peripherally around the tent with their outer edges extending between and joining said rectangular frame supports to form therewith a substantially continuous enclosing structural member, said frame extending inwardly from the periphery of the tent and having a plurality of vertical column supports disposed at the innermost projecting corners of the frames and joined to and connecting said innermost corners of adjacent frames to form with the inner edges of said frames a substantially continuous structural compression member, whereby said frames are joined to and brace substantially all of said rectangular supports and said column supports each to the next adjacent support, and continuous cable means under tension extending around said tent and engaging said rectangular supporting frames.

2,236,678
HOBBYHORSE
Michael Fedak, Hamtramck, Mich.
Application May 22, 1939, Serial No. 274,979
1 Claim. (Cl. 280—1.13)



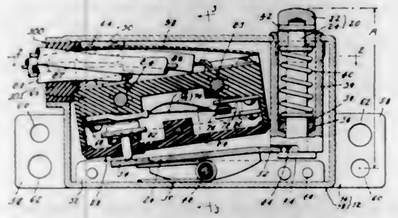
A movable toy comprising a body representing a quadruped and provided with a saddle, independent front and rear frames secured to the underside of said body, an axle journalled in said rear frame, a pair of wheels fixed on the ends of the axle, a shaft rotatable in said frame below the saddle, pedals on said shaft accessible by the feet of a rider, chain driving connections between said shaft and axle, said elements constituting a unit separable from said body, a steering post disposed at an angle in said front frame and passing rotatably through the front part of said body, steering handles on said post convenient to rider, a fork at the lower end of said post, and a wheel pivoted in said fork.

2,236,679
REVIVIFICATION OF DECOLORIZING ADSORBENTS
Robert P. Ferguson, Cranford, and Frederick W. Schumacher, Mountainside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 27, 1938, Serial No. 231,866
8 Claims. (Cl. 252—279)



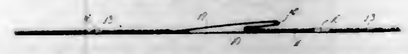
1. A process of revivifying spent decolorizing clays comprising treating said clays with an aqueous solution at a temperature in the range from 220 to 700° F. under sufficient pressure of at least 140 pounds per square inch to maintain the solution in a liquid condition, holding the clay under these conditions to effect substantial displacement of oil and color bodies, separating the clay from the aqueous reactivating solution, washing the clay with a solvent adapted to remove the aqueous solution and occluded impurities, washing the clay with an aqueous solution containing approximately 2 to 4% of sulfuric acid, removing the washed clay and drying the same.

2,236,680
ELECTRIC LIMIT SWITCH
Virgil Homer Fry, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application April 7, 1938, Serial No. 200,658
5 Claims. (Cl. 200—47)



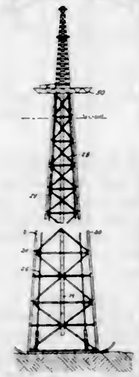
1. In combination in a limit switch construction of the class described, a rectangular shallow housing, an actuating plunger extending from said housing for external actuation, a lever adapted to be operated by said plunger, said actuating plunger and lever extending along two adjacent sides of said rectangular housing, but spaced out from the corner included between said two sides to leave clearance space for movement of said plunger, said lever lying at an angle to the sides of said rectangular housing, a unitary rectangular switch mounted at an angle in the space between the other two sides of said rectangular housing and said plunger and lever, said switch being so oriented in said case as to lie at an angle to the sides of said rectangular housing along side of and approximately parallel to the direction of said lever and so as to leave a tapered space to one side of said switch for the entrance of the connecting lead wires into said housing for connection to said switch, said switch being adapted to be operated by said lever, said parts lying compactly in said housing and substantially filling it except for said tapered space required for the connecting leads.

2,236,681
PACKAGE SEAL AND HANDLE
Edward Goldschmidt, New York, N. Y.
Application June 23, 1937, Serial No. 149,805
11 Claims. (Cl. 229—52)



1. A package tying and carrying device including a band having two pairs of parallel edges, a coating of adhesive on one side thereof, a ribbon member secured at its end portions near opposite edges of said band and having a looped section extending between said end portions away from one side of said band to form a package carrying handle, the section of said band between the base ends of said looped section being continuous and uninterrupted.

2,236,682
MARINE FOUNDATION AND METHOD OF CONSTRUCTION
Henry Emmett Gross, College Station, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 31, 1937, Serial No. 182,829
Renewed July 1, 1939
19 Claims. (Cl. 61—46)



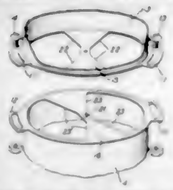
1. An elongated marine foundation comprising a plurality of rigid individually water buoyant structural sections of skeleton formation superimposed one upon the other and rigidly secured together; and a plurality of substantially flat bottomed skids rigidly secured to the lowermost section and adapted to facilitate the moving of the skeleton structure across the ocean floor at any stage of its construction, and also adapted to serve as a base for the structure.

2,236,683
FLASHLIGHT FOUNTAIN PEN
Herbert Gudge, New York, N. Y.
Application June 22, 1938, Serial No. 215,120
2 Claims. (Cl. 240—6.46)



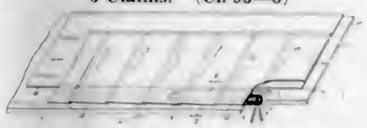
1. A fountain pen having a barrel and a cap, with a transparent point holding section at one end of the barrel and adapted to be covered by the cap when the pen is closed, an ink sack extending substantially throughout the length of the barrel with means feeding ink therefrom to the pen point, a light bulb positioned in the said transparent section at the base of the said pen point, and a battery also extending substantially throughout the length of the barrel and positioned beside the said ink sack.

2,236,684
INDUCTIVE DEVICE
Edwin C. Hagemann, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1939, Serial No. 298,393
5 Claims. (Cl. 171—119)



1. An inductance device comprising a plurality of coils and a metal container for each coil, said containers being joined so that their axes are in a straight line characterized in that the adjacent ends of said containers are non-centrally apertured.

2,236,685
HEAT SEALING DEVICE
Harold E. Hallman, Catonsville, Md.
Application August 27, 1938, Serial No. 227,116
6 Claims. (Cl. 93—8)



1. An apparatus for inducing adhesive penetration in bag bottoms formed from wax coated paper comprising a bed plate, a cutaway portion in said bed plate, a heater positioned in said cutaway portion, and a delivery belt travelling over said bed plate.

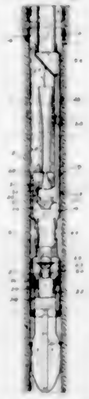
2,236,686
SPRING SHACKLE
Clifford C. Jackson, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 31, 1939, Serial No. 265,097
11 Claims. (Cl. 267—54)



1. A mounting thimble including a centrally apertured disc of rigid material, another centrally apertured disc of rigid material, and a layer of resilient material in the shape of an oblique cylinder having a substantially coaxially generated aperture therethrough and having its end surfaces bonded to said discs with the ends of its aperture substantially coinciding with the apertures of said discs, one of said discs having a protruding, annular flange surrounding its aperture whereby said thimble may be associated with a member to be mounted or its mounting means.

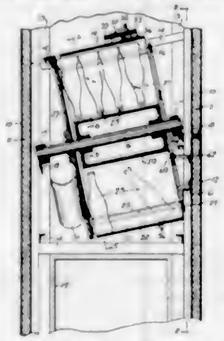
2,236,687
PUMPING APPARATUS
Candido Jacuzzi, Berkeley, Calif., assignor to Jacuzzi Bros. Inc., a corporation of California
Application January 26, 1938, Serial No. 186,974
5 Claims. (Cl. 103—5)

1. In combination with an installed well casing which is laterally sealed above its liquid-intake portion, an injector pump for operation with pumped liquid disposed in said casing and having its nozzle discharging a solid jet of liquid thereinto in its axial line above said liquid intake portion thereof, means providing an intake passage to said pump from the casing portion below it, a pipe for pump-operating liquid extending longitudinally through the casing to said pump and



arranged to provide a continuous passage for pumped liquid laterally of the pipe and within and along the casing bore, means sealing the pump in the casing whereby said last passage is arranged to provide the sole discharge duct for the pump and from the well, and means for effecting a pressure discharge into the pipe of liquid which has previously been discharged from the well.

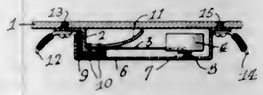
2,236,688
BOTTLE DISPENSING MACHINE
Charles C. Kuhl, South Bend, Ind.
Application August 3, 1939, Serial No. 288,101
13 Claims. (Cl. 312—88)



1. A bottle dispensing machine comprising a casing, a reel rotatable in said casing on an inclined axis, said reel having a plurality of axially elongated radial compartments therein each open at its ends and adapted to receive a plurality of radially positioned bottles, a stationary plate positioned adjacent the lower end of said reel and having an opening therein of a shape complementary to the shape of said compartments and positioned for registration with said compartments upon reel rotation, whereby a bottle in the registering compartment may roll through

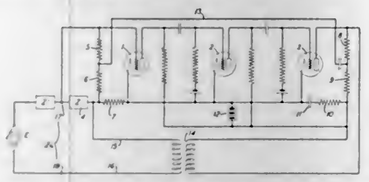
said opening; and an inclined discharge trough below said opening and projecting exteriorly of said casing.

2,236,689
CONTROL DEVICE FOR ELECTRIC ALARMS
Joseph Lemire, Henri Lemire, and Rodolphe Lemire, Drummondville, Quebec, Canada, assignors of one-half to Norbert Boisvert, Drummondville, Quebec, Canada
Application May 26, 1938, Serial No. 210,218
1 Claim. (Cl. 200—54)



A control device for an electric alarm comprising a pair of contacts suspended from a relatively vibratory structure, one of said contacts being weighted and in contact with the other of said contacts whereby vibration of said structure breaks the circuit, a bent plate at the suspension ends of said contacts and adapted to engage said structure, and a screw passed through said suspension ends and adapted to press said bent plate against the said structure in order to adjust the tension of said contacts.

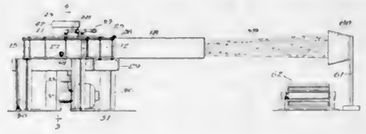
2,236,690
NEGATIVE IMPEDANCE CIRCUIT
Robert C. Mathes, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1938, Serial No. 194,036
2 Claims. (Cl. 178—44)



1. In combination, a pair of terminals between which the negative of a given positive impedance is to be produced, a source of voltage and said positive impedance connected in circuit with said terminals, an amplifier connected to amplify the voltage developed in said positive impedance and to apply the amplified voltage to said circuit in phase with the voltage from said source, whereby the negative of said positive impedance is developed across said terminals, means to stabilize said negative impedance comprising a gain stabilizing negative feedback circuit for said amplifier and means rendering said feedback circuit conjugate with respect to the terminals of said positive impedance.

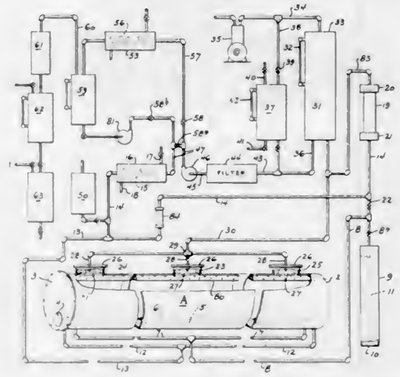
2,236,691
METHOD AND APPARATUS FOR FORMING GRANULATED SLAG MASSES
Carl F. Meinzer, Chicago, Ill., assignor to Wallace L. Caldwell, Birmingham, Ala.
Application January 30, 1939, Serial No. 253,507
11 Claims. (Cl. 49—1)

1. The method of producing masses of light weight cellular slag, which comprises, forming from molten slag pellets of cellular slag containing sufficient heat to cause said pellets to weld together when impacted against each other, projecting said pellets against a retaining surface within a receptacle while still containing said heat with sufficient velocity to build up and agglomerate in said receptacle said pellets into enlarged unitary cellular masses, and gradually cooling said unitary masses to produce cooled unitary masses of tough light weight cellular slag.



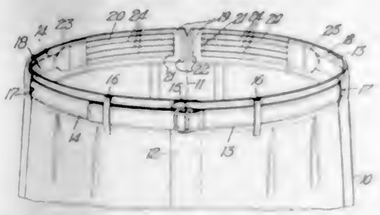
7. Apparatus for producing agglomerated masses of cellular slag having a relatively uniform and fine cell structure from molten slag, which comprises, a rotary disintegrating and pellet forming device for forming said molten slag into pellets of cellular slag and for thereafter outwardly impelling said pellets in a stream at a high velocity while containing sufficient heat to weld them together on impact with each other, and pellet accumulation means comprising an open receptacle opening into the pellet stream and positioned sufficiently close to said disintegrating device to arrest the flight of the pellets while they still contain sufficient heat to cause them to cumulatively build up and agglomerate in the form of an enlarged unitary cellular body in said receptacle.

2,236,692
APPARATUS FOR PRODUCING SUGAR-IMPREGNATED FRUIT PRODUCTS
Jesse R. Neil, Los Gatos, Calif.
Application January 3, 1939, Serial No. 249,051
7 Claims. (Cl. 99—239)



1. An apparatus for producing sugar-impregnated fruit products and like materials, comprising a container to receive the fruit, an inlet and an outlet on the container, a pump connected therewith to maintain controlled circulation of a syrup solution through the container, a heat exchanger through which the syrup solution is also circulated, means for maintaining a partial vacuum in the container, a perforated air inlet pipe in the container, and an intermittently operated valve in the pipe to permit surges of air to enter and pass through the syrup solution and between the pieces of fruit in the container.

2,236,693
TROUSERS
Solomon Newman, New York, N. Y.
Application August 30, 1939, Serial No. 292,551
2 Claims. (Cl. 2—237)



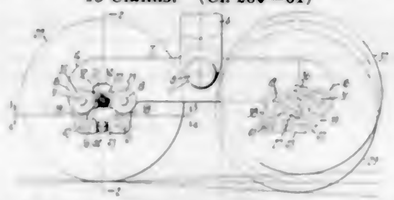
1. In trousers having a waist portion and waist band on the inside thereof, tunnel bands on the inside of the trousers and waistband each attached at its rear end approximately midway from center-back to sides of the trousers and extending forwardly with its forward ends substantially at the side of the trousers, openings at each side of the waist portion and waistband adjacent the forward terminations of the tunnel bands thereat, a belt secured to the waistband midway of the back of said trousers, said belt having non-elastic portions and elastic portions, said elastic portions extending from the secured portion on the inside of the trousers and the non-elastic portions having their rear ends entirely within the tunnel bands and having their forward ends passing outwardly from the tunnel bands and trousers through the openings to the outside of the trousers, and said elastic portions having elastic ribs of elastic threads on the surface thereof exposed to the inside of the trousers, said ribs extending longitudinally of the said elastic portions of the belt for obtaining frictional contact with another garment when tucked in the trousers.

2,236,694
ARTICLE OF APPAREL
Klee Oppenheimer, New York, N. Y.
Application May 11, 1940, Serial No. 334,474
2 Claims. (Cl. 2—247)



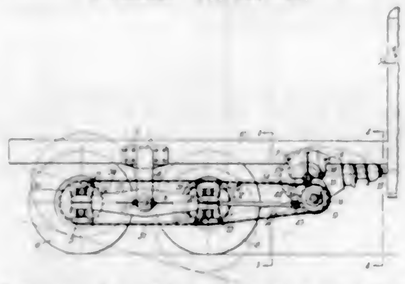
2. An outer garment of the class described, having the construction claimed in claim 1, wherein the rear edge of said V-shaped single pocket-opening extends upwardly and rearwardly relatively to the upright side seam line of the garment, thus giving free access directly downward into the rear compartment of the pocket structure through a relatively wide upper portion of said single opening, said last-named portion also permitting the hand of the wearer to be extended freely in a forward direction into the front compartment.

2,236,695
VEHICLE SUPPORT
Theodore A. Peterman, Tacoma, Wash.
Application June 23, 1937, Serial No. 149,842
15 Claims. (Cl. 280—81)



1. A vehicle support comprising an equalizer, a pair of ground-engaging wheels in substantial alignment transversely of said equalizer, and means including an equalizing link parallel to said equalizer for mounting said wheels on said equalizer.

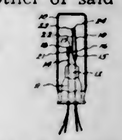
2,236,696
VEHICLE DRIVE
Theodore A. Peterman, Tacoma, Wash.
Application October 4, 1938, Serial No. 233,198
9 Claims. (Cl. 180—22)



7. In a motor vehicle, a frame, a plurality of fixed pivotal mountings on said frame, longitudinally extending equalizing devices rockably supported on said pivotal mountings, road wheels mounted on said equalizing devices adjacent a free end thereof, power transmissions including driving members suspended on said frame for movement longitudinally thereof with respect to said equalizing devices and means fixed in said frame for driving said members; a direct driving connection between each of said driving members and one of said wheels, and means operated by each of said equalizing devices, upon pivotal movement on its respective pivotal mounting, for moving a driving member associated with one of said transmissions longitudinally with respect to the frame, whereby a substantially uniform separation is maintained between each of said driving members and the wheel directly connected thereto.

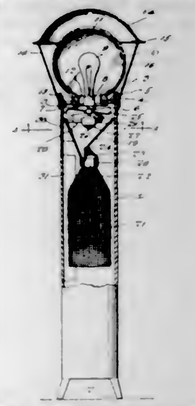
2,236,697
THERMAL SWITCH
Leo R. Peters, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application September 3, 1938, Serial No. 228,365
11 Claims. (Cl. 200—122)

3. A bimetallic switch comprising a support member, a pair of heater elements mounted on said support member, one of said heater elements being of relatively high wattage capacity and the other being of relatively low wattage capacity, and a pair of co-operating bimetallic contact members secured at one end to said support member, one of said bimetallic members having an intermediate portion so formed as to at least partly surround the said high wattage heater element and the other of said bimetallic mem-



bers likewise having an intermediate portion so formed as to at least partly surround the said low wattage heater element, said bimetallic members being so arranged with respect to one another as to move in the same direction under the influence of like temperature changes therein.

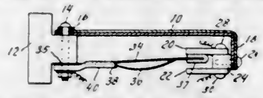
2,236,698
COMBINED INSECT TRAP AND TRAFFIC LIGHT
Louis J. L. Rector, Vienna, Va.
Application May 25, 1940, Serial No. 337,264
6 Claims. (Cl. 43—139)



1. In a device of the class described, a tubular column adapted to be stood in upended position with the upper end thereof open, an electric light mounted in the upper end of the column in spaced relation to the edge of said open end and to attract insects to said end, a globe-like shade mounted on said upper end over said bulb, said globe being open at its top and bottom to permit the passage of insects therethrough into said end, the bottom of the globe being smaller than said end to provide an annular space between the same and the upper edge of the column for the entrance of insects therethrough into said column, and a suction producing device in said column for drawing insects into the column through said globe and space.

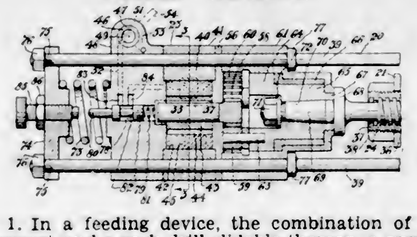
2,236,699
SNAP SWITCH
Arthur L. Riche, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application November 30, 1938, Serial No. 243,286
13 Claims. (Cl. 200—138)

1. A snap switch comprising in combination a tension member and an adjacent compression member each operatively mounted at one end and connected together at their opposite ends which are free to move, stops between which said connected end part moves, at least one of said members comprising spring means, said compression member being mounted operatively at a point whereby it has a different radius of action than said tension member, said mounting point of said compression member and the tension center line of said tension member being movable with respect to each other, said members being so constructed and arranged that said connected end portion moves with a snap action as said compression member mounting point and



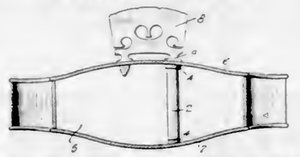
said tension member tension center line cross, the relative position of the combined mounting points of said tension and compression members and of said stops with respect to each other being changeable, the change of relative position of both said mounting points with respect to said stops being in the same general direction, said change of relative position of said stops with respect to said mounting point of said tension member being at least as great as the change of relative position of said stops with respect to said mounting point of said compression member.

2,236,700
FEEDING DEVICE
Fred M. Slater, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application November 23, 1940, Serial No. 366,833
7 Claims. (Cl. 121—9)



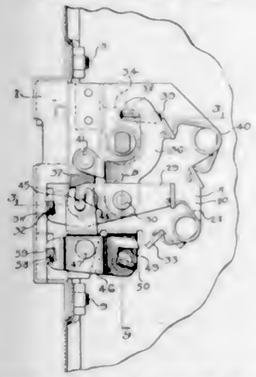
1. In a feeding device, the combination of a support and a rock drill slidable thereon, a pressure fluid actuated feeding motor for the rock drill slidable on the support, and cushioning means to yieldingly resist sliding movement of the motor relatively to the support.

2,236,701
RESILIENT SOUND POST FOR MUSICAL INSTRUMENTS
Giuseppe Virzi, New York, N. Y.
Application August 19, 1939, Serial No. 291,084
7 Claims. (Cl. 84—277)



1. A resilient sound post for a musical instrument comprising a tubular body of wood, and an inner core structure of cork extending outside said tubular body at both extremities thereof.

2,236,702
DOOR LOCK
Andrew Christian Andersen, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 28, 1938, Serial No. 216,312
7 Claims. (Cl. 70—149)



4. A narrow pillar lock having in combination a bolt arranged to function entirely at the end of the window well, oscillatable bolt actuating means at the end of the window well, inside operating connections located to the inside of the window well for operating the bolt actuating means and outside operating connections located to the outside of the window well for also operating the bolt actuating means, the said outside operating connections having a pin and a member with a notched slot for receiving the pin which permits disconnection between the actuating end and the bolt end so that actuation will not operate the bolt when the disconnection is made.

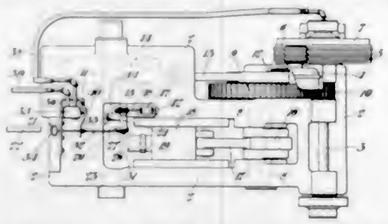
2,236,703
COMBINED SHOE TREE AND SHOEHORN
Albert G. Berry, Jr., Coronado, Calif.
Application May 15, 1939, Serial No. 273,778
3 Claims. (Cl. 12—128.1)



1. A shoe tree comprising a body of a shape adapting it to fit within the forward portion of a shoe with its front end portion projecting upwardly and rearwardly out of the shoe, and a stretcher pivoted at one end to said body, said end portion of said body constituting a handle for the body when thrusting said body within a shoe and being of a shape adapting it for use as a shoehorn when the body is turned about the pivoted end of the stretcher to a position presenting the shoehorn forwardly.

2,236,704
CLUTCH ACTUATING MECHANISM
William T. Botter, Johnstown, Pa.
Application December 14, 1938, Serial No. 245,745
9 Claims. (Cl. 164—47)

1. In a machine of the class described, the combination of mechanism for controlling the operation thereof, including means for cutting a length of material from a work-piece, a clutch for actuating said cutting means, a stop member against which the end of the work-piece is adapted to strike as it is fed into the machine, movable means associated with said stop mem-



ber which is adapted to be actuated by the end of said work-piece as it is moved into the machine against said stop member, and means responsive to the movement of said movable means actuating said clutch.

2,236,705
COMPOSITE SIGNAL DEVICE
Richard L. Campbell, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 17, 1935, Serial No. 27,074
23 Claims. (Cl. 178—6)

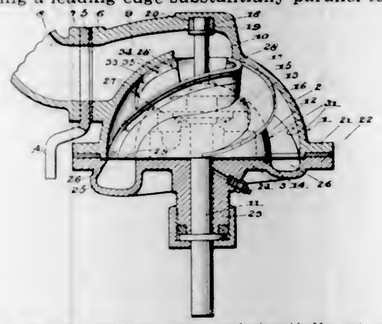


15. In an electrical system utilizing pulse signals; an output circuit; means responsive to an input signal for producing in said output circuit an output signal having the same wave shape as said input signal and having one polarity with respect to a predetermined output potential level; means for eliminating said output signal and establishing said predetermined level in said output circuit at intermittent intervals; and means responsive to another input signal for producing in said output circuit, during said intervals, an output signal having the same wave shape as said other input signal and having the opposite polarity with respect to said predetermined level.

2,236,706
PUMP
John P. Damonte, New Orleans, La.
Application April 22, 1939, Serial No. 269,536
4 Claims. (Cl. 103—88)

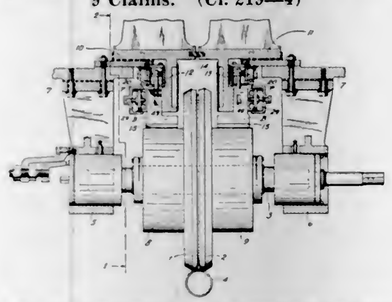
1. A pump comprising a stator having a fluid inlet at one end in the axial center of said stator, and a fluid outlet at the other end of the stator and situated solely in a plane perpendicular to the stator axis, a rotor revolubly supported by the stator, having a hemi-spherical head confronting said inlet, and at least one blade of involute curvature carried by the rotor, said blade being twisted to fit the contour of the head on a spiral order,

the composite involute curvature and twist providing a leading edge substantially parallel to the



axis and a trailing edge substantially at right angles to said axis.

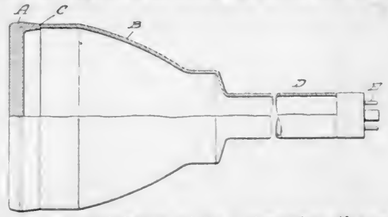
2,236,707
BRUSH SUPPORTING AND OPERATING MECHANISM FOR WELDING MACHINES AND THE LIKE
Frederic M. Darner, Shaker Heights, and Robert A. Shryock, Elyria, Ohio, assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application March 31, 1939, Serial No. 265,198
9 Claims. (Cl. 219—4)



1. Brush supporting and operating mechanism of the type described including a brush holder, fluid pressure actuated means for moving said holder toward and away from one machine element with which contact is to be made and independently operable fluid pressure actuated means for positively locking said holder in contacting position against movement toward or away from said machine element.

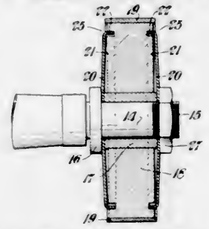
2,236,708
CATHODE RAY TUBE VESSEL
William H. Grimditch, Rydal, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 20, 1939, Serial No. 274,795
2 Claims. (Cl. 250—164)

1. A vessel or envelope for a television picture tube, comprising a generally frusto-conical body portion having relatively thin walls terminating at the large end thereof in a substantially annular edge, and a relatively thick disc having substantially parallel plane surfaces attached to said edge and constituting a picture screen on which an image may be formed, said disc having an integral annular rim of a diameter not exceeding the diameter of said disc and extending from the edge of the disc in a direction normal to the plane of said disc, at least one wall of said rim tapering gradually and uniformly from the edge of the disc toward the outer end of said rim to provide a rim having an appreciable thickness adjacent the disc



and a lesser thickness at its outer edge, the outer edge of said rim being substantially equal in extent and in thickness to the annular edge at the large end of the body portion, the edge of said rim abutting and being joined to the edge at the large end of the body portion, whereby said rim merges into the wall of said body portion.

2,236,709
ABRADING WHEEL
Foster F. Hillix, Lakewood, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 9, 1938, Serial No. 229,196
1 Claim. (Cl. 51—191)

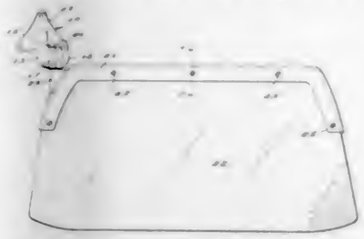


An abrading wheel comprising a shaft bushing; a radially expansible and contractible annular body concentrically disposed about and secured to said bushing; abrasive carried on the periphery of said annular body; the side faces of said annular body having like concentric annular grooves adjacent the periphery thereof; a pair of substantially rigid circular side plates provided adjacent their peripheries with annular flanges; one of said side plates being arranged upon one side of said annular body with its annular flange disposed in the groove therein, and the other of said side plates being arranged upon the other side of said annular body in a corresponding manner; the greatest diameter of said annular grooves being approximately equal to the greatest diameter of the annular flanges of said side plates; the least diameter of said annular grooves being less than the least diameter of the annular flanges of said side plates to provide for radial expansion of said annular body, whereby the periphery of said annular body is at all times maintained truly circular.

2,236,710
AUTOMOBILE ANTIGLARE VISOR
Clarence D. Hocking, Los Angeles, Calif.
Application April 1, 1940, Serial No. 327,313
3 Claims. (Cl. 296—97)

1. In a device of the character described, a sup-

port for an antiglare screen including a plate, an arm extending from said plate having a threaded socket and further having a recess therein, a screw threaded member engaged in said socket, a pair of grooved washers on said screw threaded member with their grooved faces opposed to each other, a grooved post mounted between said grooved washers and seated in the groove of each



with the groove of the post partially about said screw threaded member, a frame extending from said grooved post, an antiglare screen in said frame, a cap on said screw threaded member engaged by the same to hold the grooved washers and grooved post supported on said screw threaded member, and a tongue extending from said cap engaged in said recess to hold said cap against rotation on said threaded member.

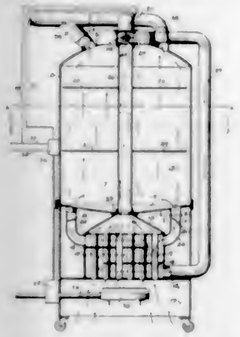
2,236,711

DEHYDRATOR

Paul Duluth Kilbury, Newton, Iowa, assignor of one-half to John W. Billingsley, Newton, Iowa

Application July 5, 1938, Serial No. 217,468

6 Claims. (Cl. 34—19)



1. In a device of the class described, a housing open at its bottom, a door in said housing, a horizontal partition in said housing for creating an upper compartment and a space below it, a flame producing means in the bottom portion of said housing and below said partition, an exhaust conduit leading from the upper portion of said compartment, a motor driven fan having an inlet port and an outlet port, a pipe inside of and concentric with the inside of said housing having one end communicating with the inlet port of said fan and its other end operatively communicating with the space below said partition and above said flame producing means, and a conduit having one end communicating with the outlet port of said fan and its other end operatively communicating with the inside bottom of said compartment.

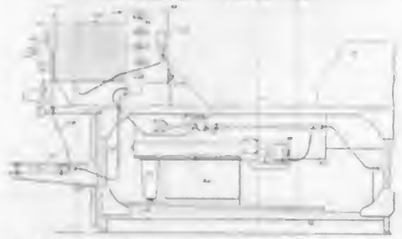
2,236,712

FEEDING, SEVERING, AND CONTROLLING MECHANISM FOR PHOTOGRAPHIC COPYING MACHINES

Paul Landrock and Arthur W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I., a corporation of Rhode Island

Application April 29, 1939, Serial No. 270,856

23 Claims. (Cl. 88—24)



1. A photographic copying machine of the type including a camera having a focal plane, shutter means operable to admit light to said focal plane to make an exposure, mechanism for feeding an exposed section of photographic film out of said focal plane to draw a fresh unexposed section into said focal plane, a motor for driving said mechanism, and control means operable independently of said shutter means for conditioning said mechanism for a cycle of operation, characterized by the provision of means for starting said motor when said control means is operated to condition said mechanism for a cycle, and for stopping said motor substantially at the completion of such cycle, and means for operating said shutter means independently of said control means and of said motor, so that an exposure may be made while said motor is at rest, to avoid jarring the camera during exposure by the vibration of said motor.

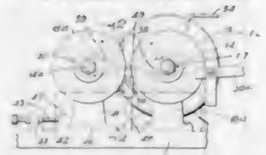
2,236,713

APPARATUS FOR GRINDING LENSES

Reinhardt Frederick Metzger, Glendale, N. Y.

Application August 4, 1938, Serial No. 223,025

3 Claims. (Cl. 51—80)



1. A grinding apparatus for grinding peripheral edges of a lens or similar workpiece comprising a direct driven grinding wheel, a supplemental grinding wheel, said wheels being arranged with peripheral surfaces in common alinement and spaced relationship, means for adjusting one of the wheels toward and from the other to regulate the spacing between the adjacent surfaces thereof, a gage arranged between said surfaces and adjustable transversely across the surfaces to regulate the exposure of a workpiece to the peripheral surfaces of said wheel from one side thereof, means involving a flexible drive for driving the supplemental wheel in a direction reverse to that of the first named wheel, and a radially arranged workpiece supporting table partially enveloping one of said wheels, said table being adapted to support the workpiece in performing other grinding operations thereon.

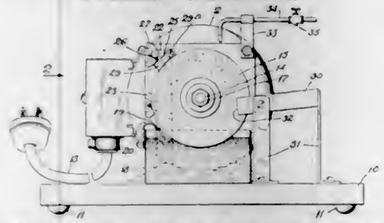
2,236,714

APPARATUS FOR GRINDING LENSES

Reinhardt Frederick Metzger, Glendale, N. Y.

Original application August 4, 1938, Serial No. 223,025. Divided and this application December 14, 1940, Serial No. 370,131

4 Claims. (Cl. 51—102)



1. A grinding apparatus for grinding the peripheral edges of a lens, said apparatus comprising a base plate, an electric motor on said plate, a grinding wheel driven by said motor, a gage plate arranged perpendicularly to the axis of said wheel and extending along the periphery of the wheel, in close proximity thereto, for an extent materially less than one-quarter of the periphery of said wheel, means independent of the wheel and its mounting for adjusting said gage plate in its entirety relatively to the peripheral surface of the wheel to adjust said gage plate toward and from and transversely of the surface of the wheel, the edge portion of the gage plate adjacent the periphery of the wheel being curved to conform substantially to the contour of the surface of the wheel, and said adjustable means including means to rotatably adjust the gage plate in maintaining the curved edge of the gage plate in substantial parallelism to the surface of the wheel.

2,236,715

GARMENT PATTERN

Charles Kaplan, Brooklyn, N. Y., assignor to The National Pattern Co., Inc., New York, N. Y., a corporation of New York

Application April 3, 1939, Serial No. 265,734

6 Claims. (Cl. 33—12)



1. An elongated pattern strip having pattern representations extending throughout the length of said strip representing all of the patterns of a complete garment, a group of pattern representations for predetermined associated garment parts being disposed at one end portion of said strip, and said strip being marked transversely to distinguish said group from the remainder of the pattern representations on the strip to facilitate formation of said grouped patterns at one end of the strip from a fabric contrasting to that from which the remainder of the patterns of said strip are to be formed.

2,236,716

STEEL CONTAINING TELLURIUM

Morgan J. R. Morris, Massillon, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

No Drawing. Application August 23, 1940, Serial No. 353,891

1 Claim. (Cl. 75—123)

An alloy steel having an abnormality of at least grade B (Dodge test), the grain size in the outer portions thereof being not larger than about #5 on the A. S. T. M. scale and having a core composed of grains which do not appreciably coarsen at temperatures below about 1700° F., said steel containing between about .15% and about .20% of carbon, between about .30% and about 3.00% of manganese, between about .05% and about 2.50% of silicon, between about .20% and about 1.5% of molybdenum, and between about .005% and about .10% of tellurium, the remainder being substantially all iron with small amounts of sulphur and phosphorus.

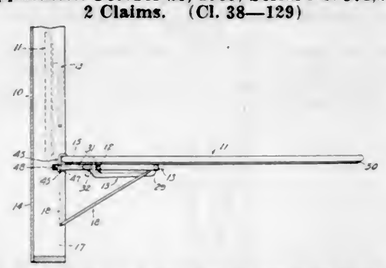
2,236,717

IRONING BOARD SUPPORT

William A. Noack, Los Angeles, Calif.

Application October 25, 1939, Serial No. 301,206

2 Claims. (Cl. 38—129)



1. In an ironing board structure, a support, an ironing board supporting frame having a free end and opposite thereto an end portion pivotally anchored to said support, said frame having an approximately rectangular rim, all parts of said rim occupying substantially the same plane, two pairs of bracing arms within said rim radiating from a common hub, the outer end of each of said arms being united to a corner of said rim, there being a pair of said radiating arms in each end portion of said frame, each arm being substantially straight in plan, from said hub to its juncture with said rim, one pair of said arms lying in a plane which is in a parallel relation to the rim of said frame and is offset therefrom to the proper distance to provide a working clearance for a swingable brace bar, and the other pair of said arms lying in the same plane as said rim, said arms which are offset from the plane of said rim having end portions which unite them to corner portions of said rim at the free end of said frame.

2,236,718

DECORATIVE ARTICLE AND COATING FOR PRODUCING THE SAME

Alfred B. Poschel, Chicago, Ill., assignor to The Meyercord Company, a corporation of Illinois

No Drawing. Application July 10, 1939, Serial No. 283,637

4 Claims. (Cl. 41—33)

2. The combination with a decalcomania having a film to be tranfserred, of a coating over at least a part of said film to give to the latter a variable appearance, said coating comprising a cellulose derivative, solvents therefor, diatomaceous earth, magnesia, and di-ethyl phthalate.

2,236,719

CHRONOGRAPH

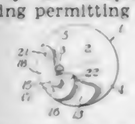
Theodore K. Riggen, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application October 28, 1939, Serial No. 301,859

9 Claims. (Cl. 234—1)

1. In combination, a mechanical time fuse hav-

ing a casing, an escapement mechanism mounted therein including a vibrating pallet, and a firing pin controlled by the escapement, said casing having an opening permitting observation of the



pallet; a shutter pivotally mounted on the casing adjacent said opening, and a detent normally holding said shutter clear of the opening, said firing pin being arranged when actuated to engage the shutter and release it from the detent.

2,236,720

TIP FOR MECHANICAL PENCILS OR THE LIKE

Oscar H. Senf, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware

Application March 11, 1940, Serial No. 323,360

10 Claims. (Cl. 120—9)



1. A tip for a mechanical pencil or the like comprising a metallic shell, and a bushing in one end opening of said shell for connection with an end of said pencil, said bushing having an annular undercut on one end adjacent the periphery thereof, one end of said shell having a bent-over portion engaging said undercut.

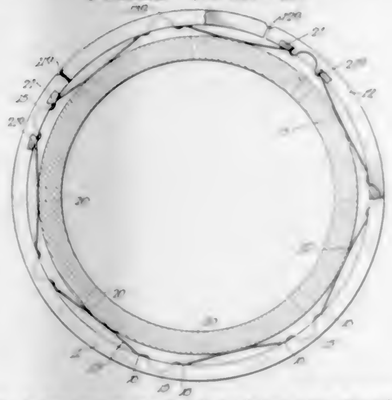
2,236,721

PISTON RING

Ralph R. Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana

Application December 22, 1939, Serial No. 310,480

9 Claims. (Cl. 309—45)



4. A spacer-expander for piston ring structure having thin, split rails axially spaced apart with their outer peripheries adapted to engage the cylinder wall, which comprises a thin spring ribbon member having side sections, the central portions of which are adapted to seat upon the bottom of a piston ring groove and the ends of which have outwardly bowed shallow ribs adapted to engage the inner peripheries of the rails to expand the same, and circumferentially spaced portions of reduced width and connecting the ends of the side sections and adapted to extend between the rails to support and maintain the latter in substantially uniform axially spaced relation.

7. A thin, flat, split rail for use with a polygonal expander having humps, comprising: an annular member having a pair of tabs struck out along the inner peripheral edge thereof, said tabs being inclined relative to the plane of said member and converging toward each other, said tabs being spaced sufficiently far apart circumferentially to receive the hump of an expander therebetween.

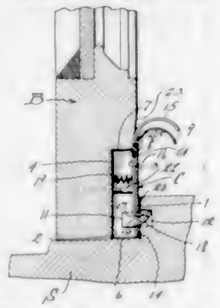
2,236,722

COMBINED SASH LOCK AND LIFT

Johnnie Wing, Sulphur, La., assignor of twenty-five per cent to Samuel J. Diglia, five per cent to Joseph P. Diglia, and five per cent to James E. Diglia, all of Sulphur, La.

Application October 22, 1940, Serial No. 362,267

6 Claims. (Cl. 292—114)



1. A combined sash lock and lift comprising an enclosed casing having an opening in its front wall and a slot in its top wall, a finger piece carried by the upper extremity of the front wall of the casing and extending in advance thereof, a lug plate overlying the finger piece, a shank depending from the lug plate and extending within the casing through the slot in the top wall of the casing, means for connecting the shank to the top wall of the casing, said means being so constructed and arranged to allow the shank to have limited endwise movement and swinging movement, a forwardly disposed catch carried by the lower extremity of the shank for projection through the opening in the front wall of the casing, and yieldable means for constantly urging the shank toward the front wall of the casing with the catch of the shank projected out through the opening in the front wall of the casing.

2,236,723

PROCESS FOR THE SEPARATION OF AZEOTROPIC MIXTURES

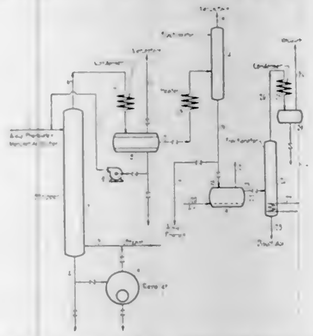
David Louis Yabroff, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application March 4, 1939, Serial No. 259,760

6 Claims. (Cl. 260—609)

1. In the process of separating an azeotropic vapor mixture of steam, mercaptans and alkyl phenols, said mercaptans boiling above and below the boiling point of water, the steps comprising cooling said mixture to condense said steam and to produce hot water, simultaneously

to condense said alkyl phenols and a portion of said mercaptans, thereby producing three fluid layers, a lower liquid layer consisting essentially of hot water free from dissolved light mercaptans normally soluble in water, an upper liquid oily layer comprising mercaptans and alkyl phenols, and a vaporous layer comprising uncondensed



mercaptans, separately withdrawing the three layers, and fractionally distilling the oily layer substantially in the absence of added steam or water to produce an overhead mercaptan fraction having an end boiling point below the boiling temperature of the alkyl phenols present in the mixture and a residual alkyl phenol fraction.

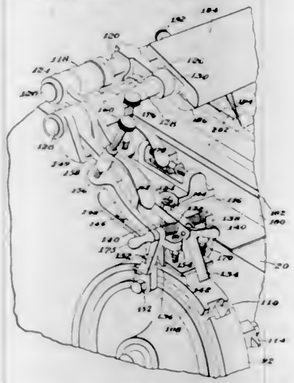
2,236,724

PAPER RULING MACHINE

Charles E. Clarke, Winchester, and Robert T. Duffy, Boston, Mass., and Joseph W. Cloutier, Franklin, N. H., assignors to Lindbladh Corporation, Boston, Mass., a corporation of Massachusetts

Application July 31, 1939, Serial No. 287,552

19 Claims. (Cl. 33—39)



1. Pen clamp operating mechanism for paper ruling machines, which comprises a pen clamp, a shaft fast to said pen clamp, an arm secured to said shaft, a pointed ear secured to said arm, a cam disk, a pointed cam secured to said cam disk and arranged to strike said ear to lift said arm and turn said shaft to lift the pen clamp, means independent of the cam and cam disk for holding the pen clamp in raised position, and a second cam on the cam disk and having a pointed offset portion arranged to release the holding means and permit the pen clamp to drop.

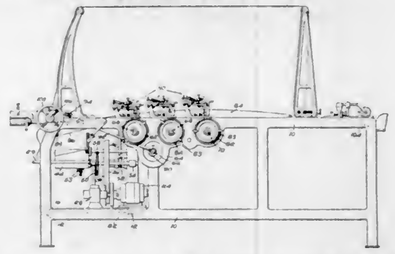
2,236,725

PAPER RULING MACHINE

Charles E. Clarke, Winchester, and Robert T. Duffy, Boston, Mass., and Joseph W. Cloutier, Franklin, N. H., assignors to Lindbladh Corporation, Boston, Mass., a corporation of Massachusetts

Original application July 31, 1939, Serial No. 287,552. Divided and this application October 8, 1940, Serial No. 360,272

6 Claims. (Cl. 33—34)



1. In a paper ruling machine including a frame and mechanism for feeding, conveying, and ruling sheets of paper; the combination of a base supported for sliding movement by the frame, a motor secured to the base, an air pump on said base connected to the feeding mechanism and driven by said motor, a Reeves transmission secured to the shaft of the motor and driving the ruling and the conveying mechanism, and means for sliding the base back and forth in the frame, whereby the speed of the ruling and conveying mechanism can be varied.

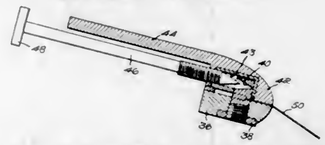
2,236,726

PAPER RULING MACHINE

Charles E. Clarke, Winchester, and Robert T. Duffy, Boston, Mass., and Joseph W. Cloutier, Franklin, N. H., assignors to Lindbladh Corporation, Boston, Mass., a corporation of Massachusetts

Original application July 31, 1939, Serial No. 287,552. Divided and this application October 8, 1940, Serial No. 360,273

6 Claims. (Cl. 33—39)



1. A pen clamp which comprises light upper and lower jaws, means fixed on one of the jaws for holding the jaws together, a plurality of pens secured between and extending laterally from one side of said jaws, and means carried by the pen clamp and extending laterally from the other side of the jaws for controlling the pressure exerted by relatively small areas of the jaws upon the pens.

2,236,727

PLASTIC MATERIAL DISPENSER

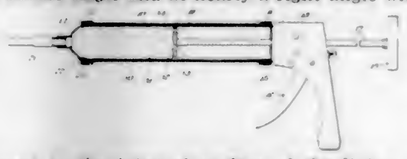
Vincent E. Dewees, Philadelphia, Pa., assignor to Calbar Paint & Varnish Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 7, 1939, Serial No. 249,713

2 Claims. (Cl. 221—78)

1. A cartridge for use in guns for dispensing plastic material comprising a tube with an in-

ternal lining of smooth sheet material, a free piston member comprising a cardboard disc having a forwardly disposed face for compression against the plastic material and a rearwardly disposed face against which pressure is adapted to be applied for actuation of said piston member, said disc having a flat central portion and a rim portion extending forwardly therefrom at an obtuse angle and at nearly a right angle with



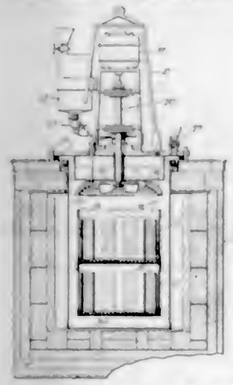
respect to the internal surface of the lining of the tube, said rim portion having its outer terminal edge portion between said faces in circumferential contact with said interior lining, said terminal edge portion being of a width substantially equal to the thickness of the central portion of the disc and said terminal edge portion bearing against the internal surface of the tube throughout its entire width.

2,236,728

PROCESS OF TREATING BEARING MEMBERS

Fred H. Given, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana

Application May 1, 1940, Serial No. 332,764
5 Claims. (Cl. 148—7)



3. In a process for treating a bearing member of ferrous metal to form thereon a hard, granular and wear resistant coating of black magnetic oxide having a depth of about .0003" to .0010", the steps of: maintaining the bearing member heated to a temperature falling in the range of about 1020° F. to 1300° F. for a period of approximately 30 minutes, and simultaneously with said heating subjecting said bearing member to the oxidizing action of superheated steam in the substantial absence of air; and then allowing said bearing member to cool.

2,236,729

GAME APPARATUS

Edward A. Herr, Philadelphia, Pa.

Application May 12, 1939, Serial No. 273,352
3 Claims. (Cl. 273—6)

2. In a game board for use in games involving the projection and impact of spheres, a playing surface composed of a top sheet, a rigid backing sheet for said top sheet, battens disposed between the top and backing sheets in spaced relation and supporting said top sheet, and an upstanding wall surrounding said playing surface and having an opening therein defining the



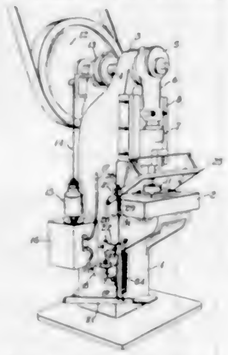
mouth of a pocket at the edge of said playing surface, the ends of the battens adjacent said pocket being of greater height than the remainder of the battens, whereby the playing surface adjacent said pocket is slightly elevated with respect to the remainder of said playing surface.

2,236,730

SAFETY GUARD FOR PUNCH PRESSES

James MacBlane, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application January 16, 1940, Serial No. 314,135
5 Claims. (Cl. 192—134)



1. In combination with a punch press or the like having an operating clutch, trip mechanism for the clutch including a control switch, means for closing the switch including a lever and link, and a movable guard for the press connected to said link and movable thereby into operative position prior to closure of the switch, said connection being effective to prevent closure of the switch when movement of the guard to operative position is obstructed.

2,236,731

DISPENSING DEVICE

Chester C. Oberly, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana

Application March 8, 1939, Serial No. 260,642
1 Claim. (Cl. 138—61)

A dispensing hose of flexible rubber-like material for use in connection with a fluid dispensing device, said hose having an annular wall of relatively large diameter, a rigid collar nut disposed about said hose at the extremity thereof and adapted for interengagement with a coupling on said dispensing device, and a substantially conically shaped sleeve of rubber-like material extending from said extremity of the hose to a point substantially spaced from the extremity, said sleeve having its major diametral portion disposed at the end of said hose and embracing said rigid collar, and said sleeve being integrally vulcanized to the outer surface of said hose and to the outer surface of said collar



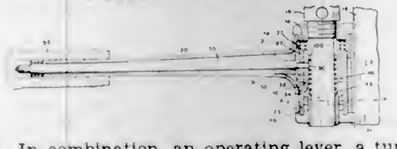
throughout its entire length to prevent acute bending of the hose adjacent the coupling.

2,236,732

OPERATING LEVER MECHANISM

Alexander Oberhoffken, Southfield Township, Ookland County, Mich., assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan

Application January 2, 1940, Serial No. 311,973
5 Claims. (Cl. 74—527)



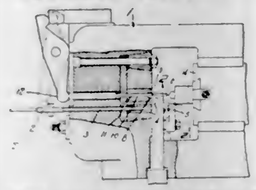
1. In combination, an operating lever, a turnable member connected thereto, and pawl and ratchet mechanism arranged to prevent unwanted turning thereof, comprising a ratchet ring fixed adjacent said member, a pair of co-axial cylindrical pawls carried by the lever and having spaced teeth engageable with the ratchet ring, the teeth of said pawls being circumferentially staggered and engageable with the ratchet ring at different times when the lever is swung, and means for lifting the pawls from the ring when desired.

2,236,733

METHOD OF AND APPARATUS FOR MAKING SOCKETED SCREWS

William A. Purtell, West Hartford, Conn., assignor to The Holo-Krome Screw Corporation, a corporation of Connecticut

Application October 6, 1938, Serial No. 233,611
23 Claims. (Cl. 10—7)



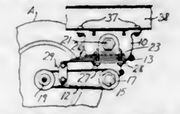
6. The steps in making socketed members which consist in, successively upsetting and reducing a head on one end of a blank of uniform diameter as the socket is formed in the upset end and as said end is moved successively longitudinally into communicating apertures of different diameters in the same die while laterally confining the opposite end of the blank in the smaller aperture to prevent the formation of a head thereon during upsetting.

2,236,734

VEHICLE WHEEL SUSPENSION

Adolph Ronning, Minneapolis, Minn.

Application May 1, 1940, Serial No. 332,763
12 Claims. (Cl. 280—87)



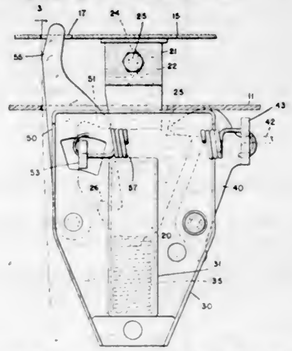
3. A vehicle wheel mounting, comprising a housing mounted on the vehicle, a pair of crank members pivoted at corresponding ends to the housing for relative up and down movements at their other ends in substantially longitudinal planes, wheels mounted on the said other ends of the crank members, a differential mechanism in the housing above the pivoted ends of the crank members, and arms extended over the crank members and connected between the crank members and differential mechanism, and the said differential mechanism and connecting arms being arranged above the axes of the wheels to provide maximum clearance therebeneath.

2,236,735

LATCHING MECHANISM

Walter S. Saunders, Pontiac, Mich., assignor to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan

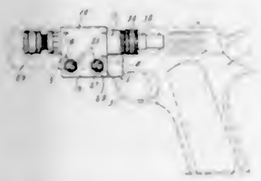
Application May 15, 1939, Serial No. 273,608
2 Claims. (Cl. 292—25)



1. Double latching means for closures and the like, comprising in combination with a support and an element to be held, primary and secondary holding members, one operable from each side of said element, the primary holding member being operatively engageable with said element when the latter is partly opened, and acting to limit opening movement thereof to an extent which permits reaching through the partly open element to release said secondary holding member from the same side of the said element as the primary holding member, said holding members comprising oppositely acting latch pieces movably carried by said support, and a keeper portion, carried by the element to be held, hav-

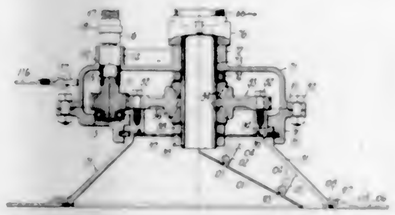
ing oppositely facing longitudinally spaced abutments projectable between and adapted to be overengaged by said latch pieces, remotely controllable operating means connected to the primary latch piece, a finger portion for directly actuating the other latch piece, a latch casing carried by said support and having a pair of substantially parallel walls, said latch pieces comprising a pair of hook members pivoted and guided between said walls in opposite and inwardly facing relation, said keeper portion being projectable between said walls and between said hook members, said hook members being successively engageable with the abutments thereof, and common tensile spring means acting upon both of said hook members to urge them individually into blocking engagement with said keeper portion.

2,236,736
NIGHT SIGHTING MEANS FOR FIREARMS
Albert B. Scott, Los Angeles, Calif.
Application September 12, 1938, Serial No. 229,490
6 Claims. (Cl. 240—6.41)



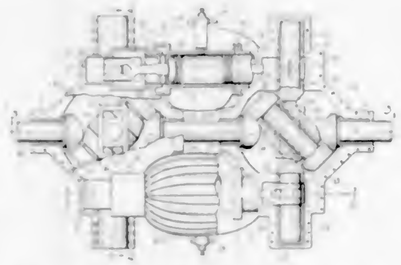
1. In a night sighting device, the combination of a firearm, a projector including an electric lamp and means associated with the lamp for projecting a spot of light on the target, a pad of yielding material between the firearm and the projector, fastening means for securing the projector to the firearm, and a bushing of yielding material associated with the fastening means, said parts cooperating to insulatingly support the projector on the firearm with contact effected solely through the pad and bushing, said pad and bushing operating to absorb a portion of the shock incident to the discharge of the firearm.

2,236,737
APPARATUS FOR APPLYING PLASTIC MATERIAL
Allen L. Stone, San Francisco, Calif., assignor, by mesne assignments, to Pneumastic Co., Inc., a corporation of Nevada
Application November 27, 1937, Serial No. 176,922
16 Claims. (Cl. 72—130)



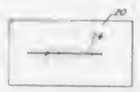
8. A tool for applying plastic material to a working surface, comprising a casing, a material supplying conduit extending through a wall of said casing, and a material applying rotor journalled for rotation about said conduit and receiving material therefrom.

2,236,738
ENGINE
Sigurd M. Swensen, Minneapolis, Minn.
Application February 14, 1940, Serial No. 318,881
17 Claims. (Cl. 74—60)



1. In a device of the kind described, the combination with an oscillatory shaft and a constant-direction rotary shaft, the latter having an oblique crank, of a sleeve applied on said crank and having an intermediately located laterally projected trunnion, said oscillatory shaft having a crank arm equipped with a guide head in which the trunnion of said sleeve is mounted for travelling movements longitudinally of said oscillatory shaft.

2,236,739
LAST DETERMINATOR
Irving Roland Waltman, Brooklyn, N. Y.
Application November 4, 1940, Serial No. 364,288
2 Claims. (Cl. 282—1)

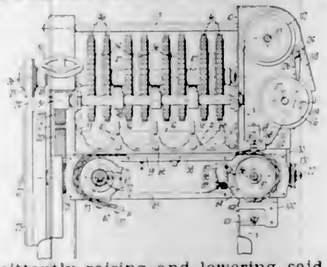


1. A device for determining the direction or last of the human forefoot, comprising an inking pad, a rubber impression sheet, a platen for holding such impression sheet, said inking pad having a bisecting line lengthwise to produce a corresponding bisecting line on the inked surface of the impression platen, a chart for recording the impression of a foot, a platen for holding said chart in proper relation to said impression platen when inked, a bisected heel seat for positioning the foot, and means for containing said elements in proper relation to each other.

2,236,740
FRUIT MARKING MACHINE
Frank Ahlburg and Durbin H. Bradley, Los Angeles, Calif., assignors to American Fruit Growers, Incorporated, Los Angeles, Calif., a corporation of Delaware
Application February 12, 1940, Serial No. 318,547
11 Claims. (Cl. 101—40)

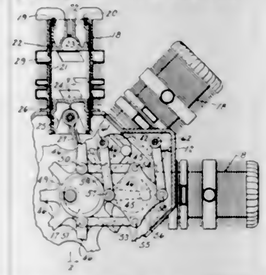
1. In a fruit marking machine, a row of marking stations, a row of inking pads disposed alternately with respect to said stations and substantially equally spaced with respect thereto, an endless series of marking dies having a path

of travel extending along said stations, means for driving said dies in step-by-step fashion along said rows to effect alternate alignment of a die with a pad and then with a station, means for



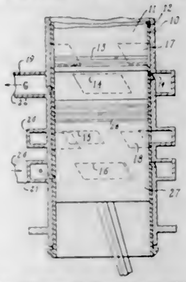
intermittently raising and lowering said dies in timed relation to the step-by-step travel thereof, and means for feeding fruit to said marking stations.

2,236,741
ENGINE
Newell O. Allyn, Los Angeles, Calif.
Application April 13, 1939, Serial No. 267,571
11 Claims. (Cl. 123—81)



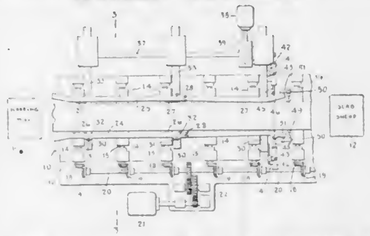
1. An engine comprising a cylinder provided with scavenging and exhaust ports, a piston in the cylinder, a sleeve valve between the piston and cylinder and provided with scavenging and exhaust ports, an eccentric connected to operate the sleeve, parallel linkage connected with the eccentric, a floating member pivotally connected with the linkage, and parallel links pivotally connected at one end with the floating member, the latter links having their opposite ends pivotally mounted on fixed pivots.

2,236,742
DIESEL ENGINE
Newell O. Allyn, Los Angeles, Calif.
Application October 2, 1939, Serial No. 297,479
15 Claims. (Cl. 123—65)



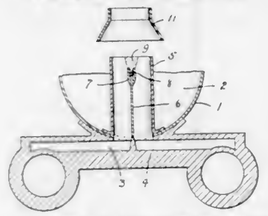
2. An engine comprising a cylinder provided with scavenging and exhaust ports, a piston in the cylinder, a sleeve valve between the piston and cylinder and provided with scavenging and exhaust ports, means to supply part of the slip stream to the scavenging ports, blower means connected to simultaneously supply air pressure to the scavenging port of the cylinder tangential thereto, the piston and sleeve being movable in timed movements with respect to each other.

2,236,743
APPARATUS FOR SCARFING THE SIDES OF METAL BODIES
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 12, 1939, Serial No. 267,517
13 Claims. (Cl. 266—23)



1. The combination with a conveyer along which a metal body travels, of side guides extending lengthwise along the conveyer on opposite sides of the course along which the metal body moves, said guides being of substantial length to maintain the alignment of the metal body on the conveyer, and said guides being spaced apart for a distance at least as great as the width of the metal body, and scarfing apparatus carried by the side guides in position to operate on the side faces of the metal body as it travels along the conveyer.

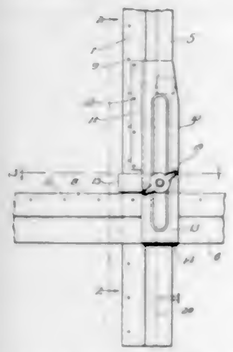
2,236,744
DRAFT MEANS FOR LOCOMOTIVES
Abram M. Bevier, Duluth, Minn.
Application April 4, 1940, Serial No. 327,793
1 Claim. (Cl. 230—100)



In a locomotive boiler having engine exhaust ports leading into the smoke box thereof, an upright cylindrical nozzle within said smoke box surrounding the termini of said ports, a central division wall within said nozzle forming a single passageway over each port, and an unobstructed expansion chamber, common to both of said passageways, within said nozzle above the upper end of said division wall and the full diameter of the interior of said nozzle, and means for selective control of the discharge from said expansion chamber, said exhaust ports, passageways and space about said selective control means being substantially constant in cross sectional area throughout to avoid any back-pressure on the

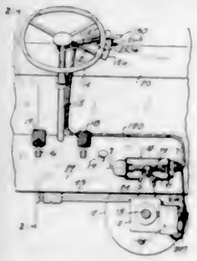
cylinders of said locomotive, and resulting in an unobstructed exhaust discharge from said expansion chamber during the alternate functioning of said passageways.

2,236,745
CURTAIN STRETCHER
Walter W. Block, Kenosha, Wis.
Application July 29, 1939, Serial No. 287,359
5 Claims. (Cl. 45—24)



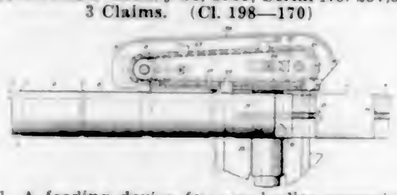
1. In a curtain stretcher having a post and rail arranged in overlying relation and at an angle to each other, a leveling bridge arranged on said post at the intersection of said rail and post, means on said bridge for clamping said rail and post together, said post having a slot therein, and means on said bridge engageable in said slot for holding said bridge in clamping position on said post.

2,236,746
ELECTRICAL SPEED-CHANGE CONTROL APPARATUS
Eugene S. Bush, Overland, Mo.
Application May 26, 1938, Serial No. 210,289
23 Claims. (Cl. 74—334)



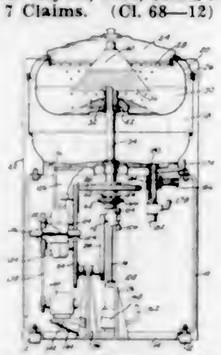
1. An electromagnetic gear-shifting device, comprising a plurality of nested and coaxially arranged electromagnetic members capable of axial displacement as a unit, one thereof being adapted for angular displacement relative to another, energizing windings functionally associated with said members, and switch means in circuit controlling relation to said windings, operation of said switch means serving to effect energization of one of said windings to cause axial displacement of said members as a unit, and to effect energization of others of said windings to cause angular displacement of said one member.

2,236,747
FEEDING DEVICE FOR CAN BODIES
Allan M. Cameron, Chicago, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois
Application February 23, 1939, Serial No. 257,800
3 Claims. (Cl. 198—170)



1. A feeding device for can bodies comprising a carrier, a dog mounting carried thereby consisting of a frame having a bifurcated lower portion and a lateral guiding extension, means cooperating with said extension to prevent tilting movements of the mounting, a dog pivoted on the mounting, and a spring acting between said mounting and said dog for urging said dog into operative position with one end thereof spaced from the mounting, said dog being provided with a shoulder cooperative with a surface on the mounting to limit the extent of projection of said dog by said spring.

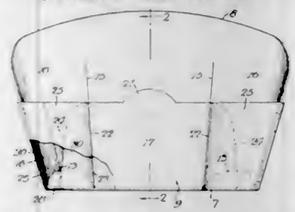
2,236,748
WASHING MACHINE
Oliver J. Chayie, South Bend, Ind., assignor, by mesne assignments, to American Machine and Metals, Inc., East Moline, Ill., a corporation of Delaware
Application May 28, 1938, Serial No. 210,566
7 Claims. (Cl. 68—12)



1. An automatic machine comprising a tub, a basket in said tub mounted for rotation about a vertical axis and for reciprocation in the direction of said axis, a lock device movable to a position to hold the basket in its upper position, an agitator within said basket, a source of power, means for operating the agitator and for raising and lowering the basket and for rotating the basket by power from said source, including a two speed transmission, electrical devices for changing the transmission speed, an automatic control device driven through a predetermined cycle, and connections rendered operative by the control device for releasing the lock device and lowering the basket and operating the agitator while the basket remains in its lower position and for then raising the basket to an upper position and re-engaging the lock device and rotating the basket to dry the contents centrifugally, said connections including a circuit having said power means and the electrical means for shifting the gears to drive the agitator arranged in parallel relationship and another circuit having said power means and the electrical means for shifting the gears to rotate the basket arranged in parallel relationship.

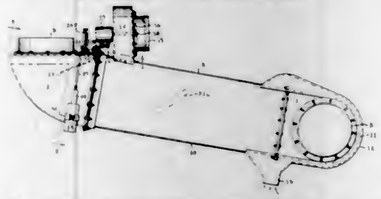
3. A washing machine comprising a tub, a basket in the tub, an agitator within the basket, coaxial vertical hollow shafts connected respectively to the basket and to the agitator, the inner shaft extending below the tub, a clutch at the upper ends of said shafts for connecting them together, operating means for said clutch extending axially downward through the inner one of said shafts, and means below the tub for actuating said operating means.

2,236,749
DISPLAY CONTAINER
John D. Clarke, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Delaware
Application June 11, 1938, Serial No. 213,112
3 Claims. (Cl. 229—41)



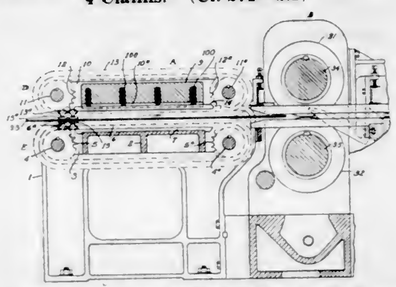
1. A receptacle of the class described, comprising a single sheet of paperboard shaped and provided with fold lines to form a bottom member, a back wall part integral with and adapted to be bent upwardly relative to said bottom member, an inside front wall part integral with and adapted to be bent upwardly relative to said bottom member, an outer front wall part integrally connected to said inside front wall part and bendable outwardly and downwardly into overlapping relation thereto, side wall parts extending laterally from said outer front wall part and adapted to be bent into conforming relation to the side edges of said bottom member for cooperating with said front and back wall parts to form, in effect, a substantially continuous side wall extending upwardly from the periphery of said bottom member, and wings extending laterally from said inside front wall part in overlapping relation to portions of said laterally extending side wall parts.

2,236,750
FURNACE HEAT ECONOMIZER
Burl G. Cross, Lansing, Mich.
Application April 28, 1939, Serial No. 270,486
4 Claims. (Cl. 257—245)



3. A heat economizer comprising an inlet header and an outlet header for furnace gases, a plurality of flues elongated in an approximately horizontal direction between said headers and adapted to deliver gases from the inlet header to the outlet header, and spaced apart to form passages for the flow of air to be heated by said gases, said flues and passages having a vertical extent largely exceeding their individual width, top and bottom closures for said air passages, affording a bottom air inlet to such passages adjacent to the inlet header and a top air outlet in proximity to the outlet header, and means forming a passage of a capacity materially less than the aggregate capacity of the first mentioned passages, having an air inlet substantially beneath the inlet header and extending around and in close exterior proximity to such header to its top and discharging downwardly into the first mentioned air passages.

2,236,751
SAFETY DEVICE FOR AUTOMATIC HOLD-DOWN CONVEYERS
Frank W. Dine, New Bremen, Ohio, assignor to The Streine Tool & Manufacturing Company, New Bremen, Ohio, a corporation of Ohio
Application May 15, 1939, Serial No. 273,802
4 Claims. (Cl. 271—2.1)

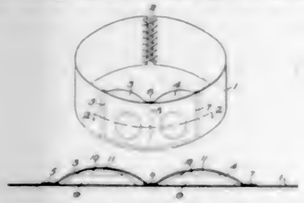


1. In apparatus of the class described, in combination, a plurality of cooperating endless conveyer devices, each of said devices comprising a frame, said frames having direct supporting contact with one another over an extended area lengthwise thereof, and means interconnecting said frames at spaced points lengthwise thereof for normally positively maintaining said frames in said direct supporting contact throughout said area, said means being yieldable to permit limited vertical separation of said frames, whereby material of greater vertical dimension than said distance, upon introduction between said devices, will cause vertical separation of said frames adjacent the immediate location of said material, and said means will tend to restore normal contact of said frames at said location upon movement of said material away from said location.

2,236,752
HERNIAL TRUSS AND TRUSS PAD
Andrew J. Fish, Carroll, N. H.
Application August 28, 1940, Serial No. 354,588
2 Claims. (Cl. 128—95)

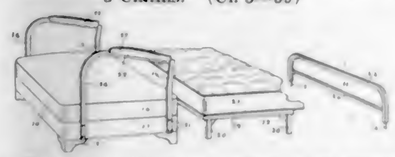
1. An unattached hernial truss pad adapted to be received as an unattached entity in the pocket of a body-encircling belt or strap to be held thereby against the body, said pad being of disk-like form, and relatively thin in comparison with its diameter, said pad being entirely composed of three axially adjustable parts, namely, an outer ring-like part, an intermediate ring-like part, and a central pad part, each of said

parts having a flat basal face, and an opposite smooth pressure face, the inner wall of said outer part, the outer and inner walls of said intermediate part and the outer wall of said pad part all being threaded throughout their length-



wise extent for axial adjustment with respect to each other, and each such threaded wall of said parts being truly cylindrical, so that any of said three parts may at either of its faces be projected beyond the other said parts.

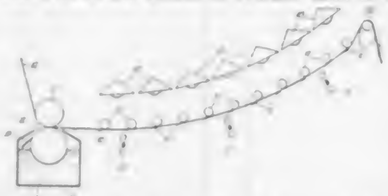
2,236,753
CONVERTIBLE STUDIO COUCH
Townsend Foster, New Hartford, N. Y., assignor to Foster Brothers Manufacturing Company, Utica, N. Y., a corporation of New York
Application May 7, 1938, Serial No. 206,540
3 Claims. (Cl. 5—59)



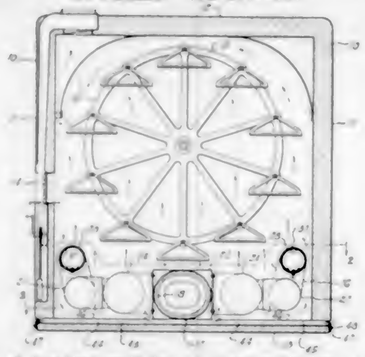
1. In a convertible studio couch, the combination of a main bed-couch section less in extent from front to rear than from end to end and having an upstanding post adjacent each rear corner, an easily detachable back extending from end to end of the main bed-couch section and including at each end a downwardly extending member in alignment respectively with the said rear corner posts, an open-topped, upright socket in the upper end of each of said rear corner posts and a pin extending down from the lower extremity of each of said downwardly extending back members, said pins readily entering said sockets and thereby holding the back in upright position, said pin and socket joints having all their cooperating front and rear surfaces parallel and non-wedging, and easily sliding apart by moving the back upwardly from the main bed section and said pin and socket joints being relatively close-fitting from front to rear but having an appreciable loose fit lengthwise of the studio couch, so that raising the back unevenly does not cramp the joints, and cooperating stop faces at substantially right angles to the cooperating front and rear surfaces.

2,236,754
PRINTING TRANSPARENT MATERIAL
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application June 24, 1939, Serial No. 280,904
4 Claims. (Cl. 101—416)

1. The process of printing, which comprises passing a transparent web through a printing operation in which there is deposited on one side of the web a lacquer ink having a relatively low boiling solvent, and subjecting the unprinted side of the web to the action of radiant heat of sufficient intensity to drive off said solvent in a relatively short period of time.

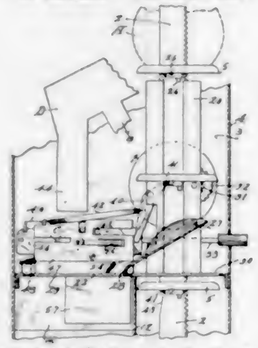


2,236,755
BAKING OVEN
Louis D. Houlis, Cincinnati, Ohio
Application August 19, 1939, Serial No. 291,065
19 Claims. (Cl. 107—59)



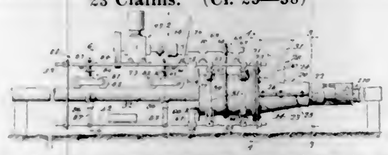
1. A heating unit for an oven including, a firebox, and a metallic flue connected with the outlet end of the firebox for receiving and circulating hot gases through the oven, the inner end of the flue engaging around and having the major portion of its interior spaced from said box, whereby fresh air may circulate therebetween to prevent overheating of the same, the remaining portion of the interior of said inner end contacting the box so as to support the latter.

2,236,756
MECHANICAL MOVEMENT
Victor V. Kunkel, Los Angeles, Calif.
Application October 26, 1940, Serial No. 363,040
19 Claims. (Cl. 214—127)



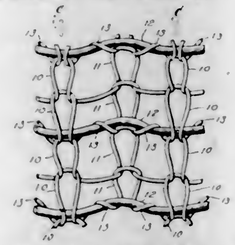
1. In a mechanical movement, a descender, means to stop its descent instantly, and a rotary, over-running, rebound check for eliminating bounce of the arrested descender and including a brake-controlled, descender-motivated rotor having a controlled running function after the descender is stopped.

2,236,757
CONCRETE PIPE COATING MACHINE AND METHOD
Sterling C. Lines, Los Angeles, Calif., assignor to Pipe Protection, Inc., Los Angeles, Calif., a corporation of Nevada
Application December 28, 1936, Serial No. 117,725
23 Claims. (Cl. 25—38)



1. A pipe coating machine comprising in combination a molding form having an opening for reception of the coating composition, a throat structure connected to the molding form, the molding form and throat having an opening completely therethrough adapted for passage of a pipe to be coated, an extrusion means with radial openings in the molding form adapted to surround the pipe and to be embedded in the coating composition deposited through the opening of the molding form and means to operate the extrusion means to positively work and press the composition into contact with the pipe inside of the extrusion means and into the throat and means permitting relative movement of the molding form with the throat and the pipe to form a coating on the pipe.

2,236,758
ELASTIC FABRIC
Andrew J. Lumsden, Needham, Mass.
Application April 2, 1940, Serial No. 327,412
2 Claims. (Cl. 66—190)



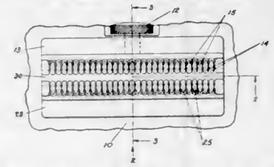
1. An improved elastic knit fabric, said fabric having plain wales, rib wales and sinker loop bights connecting said plain and rib wales, and an elastic thread, said elastic thread being located in spaced courses and in front of the said rib wales and behind the said plain wales, and the said sinker loop bights being wrapped around the said elastic thread.

2,236,759
COMPACTING SOIL
Albert K. B. Lyman, Newton Center, Mass., assignor of one-third to Earl M. Major, Newton, Mass., and one-third to Charles S. Kuna, Floral Park, N. Y.
Application August 10, 1939, Serial No. 289,358
5 Claims. (Cl. 61—35)

1. In the art of settling and compacting large deposits of substantially cohesionless soil which extend below the surface of the deposit a considerable distance, the method of transmitting vibratory waves throughout the soil without substantially changing its location, comprising planting in the soil a charge of explosive, and detonating the charge while the soil is substantially saturated with water, the size and depth of the charge being correlated to transmit the vibratory waves without blowing up a substantial crater at the surface of the ground.

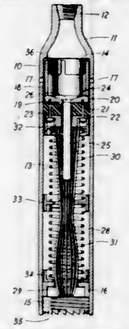


2,236,760
SHAVING IMPLEMENT
Joseph Muros, Cambridge, and Felix J. Lewando, South Boston, Mass., assignors to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application July 19, 1937, Serial No. 154,376
6 Claims. (Cl. 30—43)



1. A dry shaving implement including in its structure a head having a body with intersecting surfaces forming reentrant angles therein opposed to each other at opposite sides of the implement and separated by an open space, said body being slotted to provide converging shearing teeth in each pair of intersecting surfaces, and a cutter member having slotted surfaces presenting co-operating shearing teeth acting progressively with the intersecting teeth of the body to reduce the length of hairs passing through the implement.

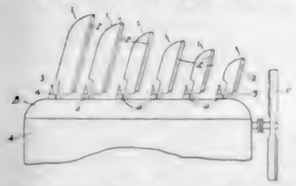
2,236,761
WELL FISHING TOOL
Joe E. Nichols, Coalinga, Calif.
Application September 27, 1938, Serial No. 231,925
6 Claims. (Cl. 294—88)



1. A well fishing tool comprising a tubular

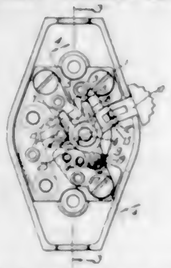
body adapted to be introduced into a well bore on a drill pipe, a piston in said body, a plurality of circumferentially spaced spring fingers extending downwardly from said piston and adapted to be extended out of said body when fluid pressure is admitted thereto above said piston, a spring urging said piston and said fingers toward their retracted position, a fluid passage through said piston, and means operable from the upper end of said drill pipe for controlling fluid flow through said passage.

2,236,762
SPARK PLUG AND ENGINE COOLER
Frank B. Ottofy, St. Louis, Mo.
Application December 9, 1938, Serial No. 244,746
6 Claims. (Cl. 123—169)



1. In an engine having a plurality of spark plugs in line, the combination therewith of metallic baffles each held in position by and in front of each spark plug and each having forward leaning curved surfaces with an anterior cavity interrupted by a lower opening, the height of said baffles varying upwardly toward the rear of said engine, that air moving toward the rear of the engine will be concentrated and scooped downwardly in equal amounts for cooling each spark plug.

2,236,763
ELECTRIC SWITCH
Johann G. Peterson, West Hartford, Conn.
Application October 22, 1938, Serial No. 236,499
2 Claims. (Cl. 200—154)



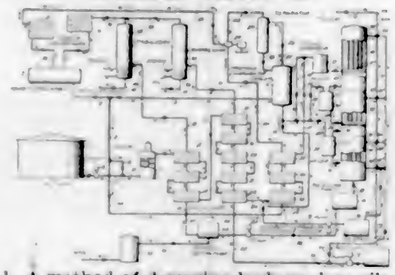
1. In an electric switch, an insulating base having an upstanding pivot, spaced stationary contacts on said base at one side of said pivot, stationary cam means on said base at the opposite side of said pivot, a movable switch member rotatable on said pivot and having a radially projecting arm terminating in a cam member adapted to cooperate with said stationary cam means and also having two radially projecting arms on the other side of said pivot disposed on opposite sides of the center line including said cam carrying arm and terminating in spaced contact members adapted to cooperate with said stationary contact members, a plate spring rotatably mounted on said pivot above said switch member having projecting arms overlying the arms of said movable switch member and engaging the same adjacent the terminal cam and contact members thereon and equalizing the tension on said contact members as said cam member moves over said cam means, abutment means on said pivot for holding said spring in vertically compressed relation against said movable switch member, switch operating means for moving said movable switch member about its pivot, and cooperating means on said movable switch member and spring for effecting movement of the latter about said pivot in unison with said movable switch member while permitting relative vertical movement therebetween due to movement of said movable cam member as the latter rides over said stationary cam means.

2,236,764
CORD GRIP CLIP
Johann G. Peterson, West Hartford, Conn.
Application February 8, 1939, Serial No. 255,289
3 Claims. (Cl. 173—322)



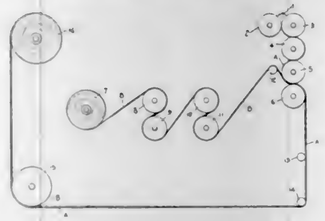
1. In a strain relief device for a cord comprising a plurality of resilient conductor sheaths connected in side by side relation to provide a cord having a thickness equal to the width of one sheath and a width which is a multiple thereof, a cord grip clip having a lateral cord receiving aperture of substantially the width of one of said sheaths and a communicating wider cord compressing and gripping aperture of greater width than one of said sheaths and of a width only slightly less than the width of said connected sheaths when uncompressed and so disposed relative to said cord receiving aperture as to compress the conductors between the end walls thereof when a cord disposed in both apertures is turned about its longitudinal axis into said gripping aperture.

2,236,765
PROCESS FOR DEWAXING HYDROCARBON OILS
Earl Petty, Hempstead, N. Y., assignor, by mesne assignments, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application January 13, 1933, Serial No. 651,497
18 Claims. (Cl. 196—18)



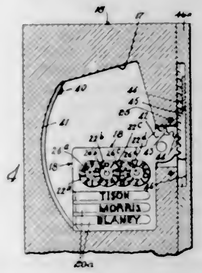
1. A method of dewaxing hydrocarbon oils, including the steps of diluting a waxiferous hydrocarbon oil with a hydrocarbon diluent, cooling the mixture without increasing the dilution to a temperature at which wax crystals are developing materially, then adding a hydrocarbon diluent to the mixture, said hydrocarbon diluent being prechilled to a sufficiently low temperature and being added in such quantity as to lower the temperature and increase the dilution of the mixture at once to a condition where filterable wax crystals are formed and then filtering the crystals from the mixture.

2,236,766
PROCESS OF COATING
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application December 30, 1937, Serial No. 182,391
8 Claims. (Cl. 91—70)



8. Process for the production of coated materials by a calendering process, which comprises mixing together a cellulose acetate, a plasticizer therefor, a substantially volatile swelling agent for the cellulose acetate and a formal of castor oil, allowing the mixture to stand until a gel is formed, subjecting the gel to the action of heat in a closed vessel for a short period, and then for a further short period in an open vessel, until the content of swelling agent has been substantially reduced, then working the mixture on malaxating rolls until substantially all the swelling agent has been removed, and thereafter transferring the converted mixture thus obtained to calendering rolls, uniting the converted mixture to a base material in the substantial absence of solvent for the cellulose acetate and saponifying the surface of the coating formed on said base material.

2,236,767
MEANS FOR SLATING AND SYNCHRONIZING IN MOTION PICTURES
Percy Tison, Westwood, Calif.
Application September 7, 1937, Serial No. 162,611
7 Claims. (Cl. 88—16)

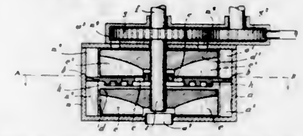


6. In combination, a motion picture camera having a framing aperture through which light is adapted to pass, means having indicia thereon, means for moving said means to and from a position across said framing aperture, and means changing the indicia in response to movement of said first mentioned means.

2,236,768
ZEIN ACETATE
Collins Veatch, La Grange, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 7, 1939, Serial No. 249,822
6 Claims. (Cl. 134—12)

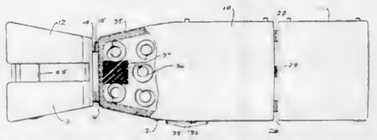
1. Zein acetate in solution with 95% ethyl alcohol and one of the group of solvents consisting of butyl lactate and ethylene glycol monoethyl ether.

2,236,769
APPARATUS FOR PURIFYING LIQUID LUBRICANTS
Max Armbruster, Wiesbaden-Biebrich, Germany
Application January 14, 1939, Serial No. 251,035
In Germany January 13, 1938
5 Claims. (Cl. 209—215)



1. Apparatus for removing impurities from liquids, comprising a centrifuge having a drum-like casing, inlets and outlets for liquid in the central part of said casing, inwardly directed ribs on said casing defining settlement chambers therein, said casing being adapted to be influenced by magnetic fields of force acting thereon, two or more superimposed centrifugal wheels in said casing defining passages from the inlet of said casing to its periphery of greater cross sectional area at the periphery than at the center, intermediate partitions between said wheels and a passage in the central part of said partitions.

2,236,770
CHIROPRACTIC PORTABLE FOLDING TABLE
Charles F. Atwell, Indianapolis, Ind.
Application February 7, 1940, Serial No. 317,639
1 Claim. (Cl. 128—72)



In a chiropractic adjusting table, a central table section, a head table section connecting with the central section, said two sections each having a materially reduced width at their junction, said head section being bifurcated, resilient cushioning means on each side of the opening through the head section, resilient cushioning coiled spring means over said central section, and less resilient sponge rubber cushioning means on the central section immediately adjacent its junction with said head section.

2,236,771
MAGAZINE BINDER
Leon Davio, West Springfield, Mass.
Application February 25, 1939, Serial No. 258,455
1 Claim. (Cl. 129—38)

The combination with a magazine or the like of a certain length and thickness of a lock-binder therefor comprising, a unitary longitudinally-ex-

tending channel-shaped supporting member formed of rigid material to have a horizontal bottom wall and vertical side walls extending upwardly from opposite sides of said bottom wall substantially throughout its length and integral therewith, said side walls being spaced apart a distance only slightly greater than the thickness of the magazine, a pair of spaced brackets secured to the upper surface of said bottom wall adjacent opposite ends thereof, each of said brackets including spaced vertical inner and outer plate-like parts extending transversely between said side walls, said outer parts being substantially imperforate and equal to the distance between said side walls so as to prevent endwise access in horizontal planes to the channel, said inner parts being spaced from one another a distance only slightly greater than said length of the magazine and each of them being provided with a vertically-extending closed slot which



is greater in height than width, one only of said slots being formed to have its lower portion of greater width than its upper portion, and a flat strip member of spring-like metal of greater length than said distance between said inner parts of the brackets having its opposite end portions extending through the upper portions of said slots and its intermediate portion disposed between adjacent leaves of the magazine with its longitudinal side edges extending in the same vertical plane with one another, the parts of said strip member which are disposed in said slots being of less width than the height of the slots, all adapted and arranged whereby that end portion of the strip member which is disposed in said one slot may be urged downwardly to the lower portion thereof to permit the intermediate portion thereof to be bowed whereupon said opposite end portions thereof may be withdrawn from said slots.

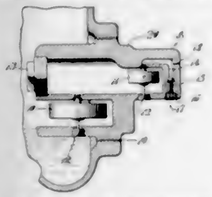
2,236,772

AIR RELIEF VALVE FOR USE IN A RADIATOR IN EITHER HOT WATER OR STEAM HEATING

Joseph Elger, Chicago, Ill., assignor of one-half to Rose Elger, Chicago, Ill.

Application May 9, 1939, Serial No. 272,558

3 Claims. (Cl. 236—63)



1. An air relief valve structure for use in a radiator in either hot water or steam heating, said valve including two thermostatic valve floats arranged in series relation in said valve structure, said valve floats provided with expanding means that operate by expansion and contraction upon temperature change to open and close the air valve outlets in the air line of the valve structure, said valve structure having a check valve in the outlet mouth in the air line of the valve structure that operates to open and close the outlet air line in the valve structure and a hand operated plug arranged in the valve structure between said check valve and said thermostatic valve floats, said plug operating when opened to allow air into the air line of the valve structure behind said check valve.

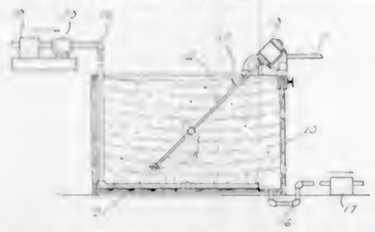
2,236,773

TREATMENT OF EGG WHITES

Norman C. Fischer, Springfield, Mo., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

Application October 18, 1939, Serial No. 299,932

9 Claims. (Cl. 99—210)



1. In the treatment of egg whites for drying wherein the whites are subjected to fermentation, the step of passing an oxygen-containing gas through said whites during fermentation to provide a condition less favorable to anaerobic bacteria.

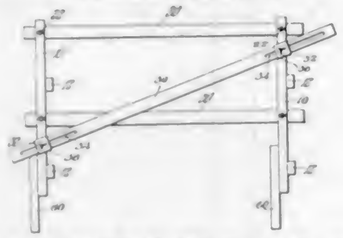
2,236,774

STAGING

Carmi Hill, Ludlow, Mass.

Application April 1, 1940, Serial No. 327,179

2 Claims. (Cl. 304—2)



1. In an adjustable staging of the class described the combination of, a primary standard including a pair of spaced-apart forward uprights and a pair of spaced-apart rear uprights rearwardly of and in alignment with said forward uprights, transverse connecting members extending between and secured to the aligned uprights to hold the same in fixed relation, a bracing member extending diagonally of and between said forward uprights and provided with slots in its opposite end portions, U-shaped plate members embracing said end portions of the bracing member and provided with slots coinciding with said slots therein, and substantially horizontal securing members extending outwardly from said forward uprights and through said slots in the plate and bracing member and provided with heads to prevent lateral displacement of said uprights, plate and bracing members relative to the uprights, an auxiliary standard including spaced and connected forward and rear uprights removably disposed on top of said primary standard, and means removably securing the uprights of said auxiliary standard to those of said primary standard.

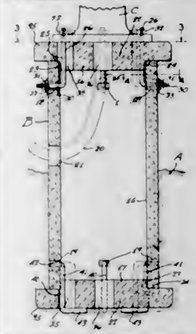
2,236,775

EQUIPMENT FOUNDATION OF SECTIONAL TYPE

Claude H. Hunsaker and Joseph B. Wheeler, University City, Mo.

Application January 11, 1940, Serial No. 313,348

4 Claims. (Cl. 72—77)



4. In a foundation construction utilized as a support for relatively heavy apparatus such as railway signal equipment, a plurality of sections each formed of pre-cast concrete, said sections including a base block, a barrel vertically disposed on the base block, and a cap section supported by the upper end of the barrel, the base block being provided with slotted apertures and the wall of the barrel being provided with apertures, fastenings for securing the base block to the barrel, each of said fastenings including a pair of substantially parallel end arms and a body connecting the arms, one of the end arms of each fastening engaging the under surface of the base block, and the other arm of each fastening engaging a companion aperture in the barrel wall, the apertures in the base block being of a size and shape to permit a translatory movement of each of said fastenings to enable insertion of one of its arms into, and the removal thereof from the selected wall aperture.

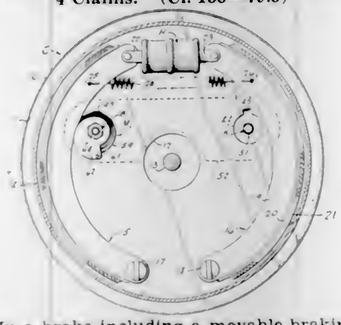
2,236,776

BRAKE

Arnold Edward Ludwig, Asbury Park, N. J.

Application April 25, 1940, Serial No. 331,524

4 Claims. (Cl. 188—79.5)



1. In a brake including a movable braking element and a casing formed with an opening adjacent to said movable braking element, mechanism for controlling retraction of said movable braking element into brake released position comprising a retraction controlling member rotatably mounted in said opening in the casing, limiting means providing a predetermined amount of rotation between said retraction controlling member and said casing, a follower having a cam surface engaging said movable braking element, and a torsion spring having one end anchored to said retraction controlling member and its other end to said follower and having a tendency to rotate said follower and maintain said cam surface in engagement with said movable braking element.

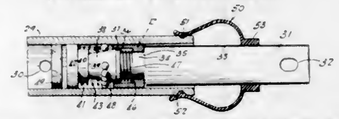
2,236,777

BRAKE

Arnold Edward Ludwig, Asbury Park, N. J.

Application May 14, 1940, Serial No. 335,049

9 Claims. (Cl. 188—79.5)



1. Retraction controlling mechanism of the character described comprising an outer telescopic part, an inner telescopic part, overrunning clutch mechanism assembled on said inner telescopic part, and means for releasing said overrunning clutch mechanism also carried on said inner telescopic part, said inner telescopic part being formed with a groove into which a tool is adapted to be inserted to engage said release means.

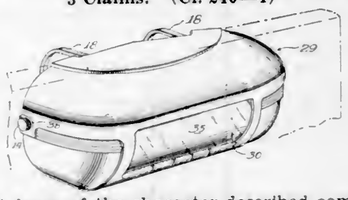
2,236,778

BED LAMP

Bernard A. Mitchell, Chicago, Ill.

Application April 18, 1940, Serial No. 330,281

3 Claims. (Cl. 240—4)



1. A lamp of the character described comprising a housing having a window in the forward portion thereof and provided with a slot at each side, lighting means mounted in said housing, a back plate for said housing, said plate having forwardly directed ears each being provided with screw means engageable in said slots for detachably securing said housing to said plate, and means for suspending said lamp.

2,236,779

SOLE FOR ORTHOPEDIC FOOTWEAR

Otto Müller, Frankfort-on-the-Main, Germany

Application February 23, 1939, Serial No. 258,003

In Germany August 9, 1937

4 Claims. (Cl. 12—146)

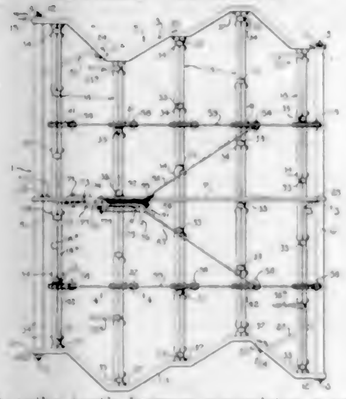
1. An outsole for orthopedic footwear arranged to support the arch of the foot, having lateral incisions in at least the flesh side thereof and at the side of the shank portion thereof which is arched upwardly, the walls of the incisions being

spread apart to form wedge-shaped gaps, and said gaps being filled with a water-insoluble ad-



hesive hardened to render said arched portion relatively stiff and capable of supporting a substantial load without appreciable deformation.

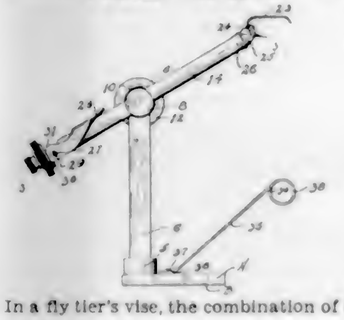
2,236,780
HARROW
Orey W. Oerman, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 28, 1939, Serial No. 292,190
24 Claims. (Cl. 55—103)



1. A spike tooth harrow comprising a pair of end rails, tooth bars connected to said end rails, and flat horizontally disposed front and rear cross bars, each having its ends rounded and inserted in openings in the end portions of said rails, and means for bolting the ends of said cross bars to the ends of said rails.

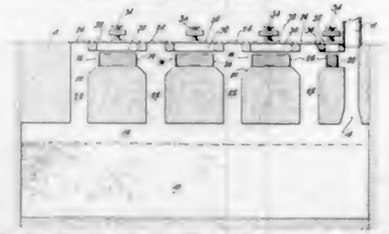
18. A rocker arm formed from a blank that comprises a member having an elongated opening so that when said member is bent generally by the transverse axis said opening forms an open end tooth bar receiving slot.

2,236,781
FLY TYING VISE
Karl A. Pannier, Salt Lake City, Utah
Application May 26, 1938, Serial No. 210,245
5 Claims. (Cl. 43—1)



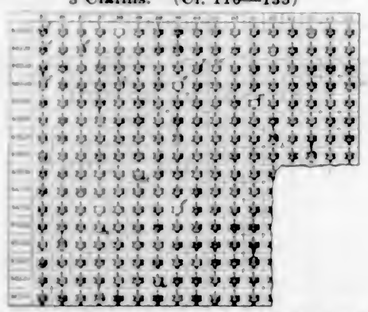
1. In a fly tier's vise, the combination of a base; a standard secured therein; an adjustable clamp mounted on the top of said standard; a cylinder passed through said clamp and held in fixed relation to said standard by said clamp; said cylinder having one end flattened on two sides thereof; a long shaft extending through said cylinder; means on one end of said shaft to draw it through said cylinder against the flattened sides on the opposite end thereof; hook holding jaws formed on the end of said shaft, said jaws having at their ends curved formations and adapted to be engaged together by the engaging of the outside faces of the jaws with the flattened sides of said cylinder end.

2,236,782
BY-PRODUCT COKE OVEN AND APPARATUS FOR OPERATION OF THE SAME
Paul M. Pinckard, Battle Creek, Mich.
Application January 31, 1940, Serial No. 316,677
5 Claims. (Cl. 202—112)



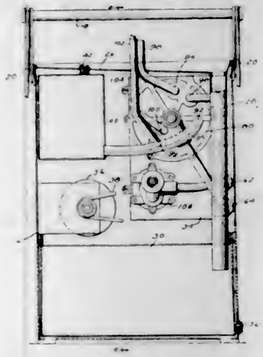
2. In combination with a high temperature by-product coking chamber and vertical heating walls therefor and a standpipe connected therewith, a roof for said chamber provided with a plurality of spaced coal charging passages and with a horizontal passage interconnecting a pair of said coal charging passages and retaining a body of catalytic material in said horizontal passages, said coal charging passages being used as vertical passages for gas and being approximately of a diameter equal to the width of said chamber.

2,236,783
VISUAL STOCK RECORD INDICATOR
Louis S. Rothschild, Kansas City, Mo.
Application September 5, 1939, Serial No. 293,394
3 Claims. (Cl. 116—135)



3. In a visual stock record indicator having a board and a plurality of indicator units positioned on said board in vertical and longitudinal alignment, each indicator unit including a support, a member of substantially the same vertical dimension as the support and slidably positioned thereon for selective movement to a position wherein the member projects above the support, an intermediate position wherein the vertical dimensions of the member and the support coincide, and a position wherein the member projects below the support, said relative positions of the member and support indicating whether stock is on order, in stock, or sold, and co-operative means on said member and said support for holding said member in each of said aforementioned positions.

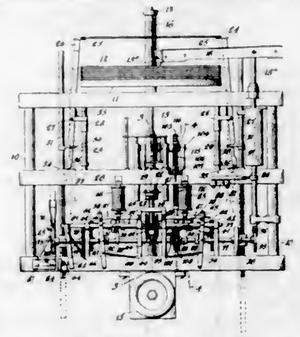
2,236,784
GEAR CASE FLUSHER
George O. Taylor, Cicero, and Ernest V. Bunting, Chicago, Ill., assignors, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 1, 1938, Serial No. 216,970
14 Claims. (Cl. 184—1.5)



1. A gear case flusher comprising a pair of conduits adapted to extend into a gear case, a pump, a waste pipe, a source of supply of liquid, a valve casing communicating with the pump and having a plurality of ports communicating respectively with said conduits, said pipe and said source, and a valve member in said casing movable to a plurality of positions selectively to connect (1) the pump inlet to one of said conduits and the pump outlet to said waste pipe, (2) the pump inlet to said source and the pump outlet to one of said conduits, or (3) the pump inlet to one of said conduits and the pump outlet to the other of said conduits.

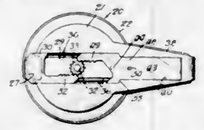
2,236,785
AUTOMATIC PHONOGRAPH
John W. Whitlock, deceased, late of Rising Sun, Ind., by Rising Sun State Bank, administrator, Rising Sun, Ind., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application June 21, 1938, Serial No. 214,924
7 Claims. (Cl. 274—10)

3. In an automatic phonograph, a vertically-adjustable turntable having a stack of records thereon adapted to be supported as a unit or in part on the turntable when playing a record, a sound reproducing unit operable in a given plane of movement for playing engagement with one or another of the records, means for adjusting said turntable to different elevations for bringing the respective records to the playing elevation of the reproducing unit, and adjustable means for selective supporting engagement with and for elevating those records in the stack above the record to be played to provide an overhead clearance therefor, said record-supporting and elevating means including laterally-adjustable elements disposed at opposite sides of the turntable for movement into and out of supporting engagement with one or another of the records, elevating members disposed alongside said laterally-adjustable elements and having means thereon engageable with the latter for moving them at predetermined times into and out of supporting engagement with a record and for coupling such elements therewith to move in unison with said elevating members, driven means operatively connected to said elevating members for raising and lowering them, independent clutch means for controlling said driven



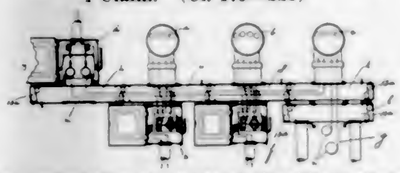
means to govern the up and down-stroke movements of the elevating members, respectively, means operatively conected to the up-stroke controlling clutch means for initiating its clutch-engaging position, means operatively connected to the down-stroke controlling clutch means and governed by the tone arm when it reaches the end of its playing position for initiating such clutch means to clutch-engaging position, and means operatively connected to both of said clutch means for shifting them to clutch-releasing positions at predetermined times in the up and down-stroke movements of the elevating members.

2,236,786
DISPENSING DEVICE
Joseph Rene Ayotte, Chicago, Ill.
Application August 28, 1939, Serial No. 292,159
7 Claims. (Cl. 221—16)



3. A dispensing device of the class described comprising a body portion having a cover surface and a discharge opening, a handle associated with said body portion and having a guideway therein, said cover surface having a longitudinal guideway, a pinion, an actuating member, a closure member for said discharge opening, said actuating member and said closure member slidable in the guideways of said handle and said cover surface and in engagement with said pinion, spring means for normally urging said actuating member rearwardly to cause said closure member to close said discharge opening, said handle adapted to be grasped by the hand and the actuating member adapted to be pushed forwardly by the thumb to operate said pinion and simultaneously to retract said closure member to uncover said discharge opening.

2,236,787
CASING FOR ELECTRICAL INSTALLATIONS
Joseph N. Blank, Newport, Ky., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky., a corporation of Kentucky
Application June 7, 1928, Serial No. 283,688
1 Claim. (Cl. 175—221)



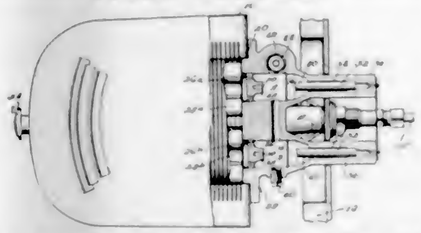
In combination a series of closable U-shaped wiring channel elements having apertures and free and open end to end communication, apertured cabinets disposed above and below said elements and means including the cabinet and element structure for effecting removable and communicating connection through the apertures of the cabinets and elements.

2,236,788
SELF-RETAINING CUFF LINK
Frederick A. Bullock, Providence, R. I., assignor to Dolan & Bullock Company, a corporation of Rhode Island
Application January 15, 1940, Serial No. 313,864
2 Claims. (Cl. 24—102)



1. In a cuff link, a body member having two spaced arms, a head secured to one end of said member and adapted to engage the outside of a cuff end, and a second head pivotally mounted between the spaced arms at the other end of said member, said arms having means comprising a plate fixed between said arms and spaced from said one end and adapted to engage the inside of a cuff end.

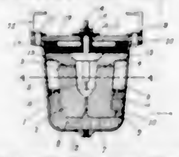
2,236,789
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, and Thomas F. Spackman, Chicago, Ill.
Application October 10, 1938, Serial No. 234,136
5 Claims. (Cl. 237—12.3)



1. An internal combustion heater for motor vehicles comprising a plurality of heat exchange units having circuitous passageways joined at a common outlet, a unitary casting having a plurality of enclosed combustion chambers for said units respectively, means for supplying said combustion chambers with combustible mixtures, means for igniting the mixture in one chamber, conduit means extending through said casting and connecting said chambers to carry combustion from one chamber to another, a conduit in communication with the intake manifold of an internal combustion engine and forming a common outlet for the heat exchange units through which said units are subjected to the varying degrees of vacuum in the intake manifold for withdrawing gases from the units, compensator means in said conduit having a restricted passageway, manually operated means for opening and closing said passageway, and vacuum responsive means for further restricting said passageway responsive to variations in the degree of vacuum in the intake manifold.

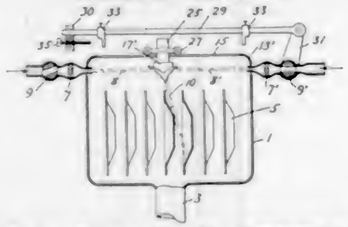
5. An internal combustion heater for motor vehicles comprising a heat exchange unit having a passageway extending therethrough and terminating in an outlet, a manually operable valve effective to close said outlet, a rod extending through said valve and movable with respect thereto, said rod being capable of being projected from said valve into said outlet to restrict the latter, means responsive to a high vacuum for moving said rod relative to said valve into a position to restrict said outlet and a variable source of vacuum for actuating said vacuum responsive means.

2,236,790
INERTIA SWITCH
Reuben Erich, Avenal, Calif.
Application June 24, 1940, Serial No. 342,011
16 Claims. (Cl. 200—52)



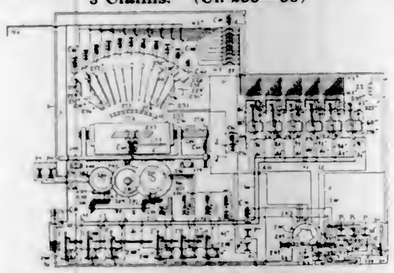
1. An inertia switch comprising a body having a vertically disposed, substantially U shaped reservoir including an upstanding passage between the legs thereof, a quantity of mercury in said reservoir, a restriction in one leg of the reservoir, and a mercury contact electrode mounted in connection with the body; said electrode being disposed adjacent but spaced above the normal plane of the upper end of the column of mercury in the central passage of the reservoir.

2,236,791
DISHWASHING MACHINE
Erik August Forsberg, Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application February 23, 1938, Serial No. 191,940
In Sweden March 2, 1937
17 Claims. (Cl. 141—9)



1. Dishwashing apparatus comprising a container for the dishes to be washed, a fixed nozzle associated therewith and adapted to direct a jet of liquid in a path adjacent to but not in contact with the dishes to be washed, and a deflector plate positioned in the path of said jet and adapted in any one position to deflect the jet and direct the deflected jet substantially only upon the dishes in a portion of the container determined by the position of the deflector plate, said deflector plate being bodily movable axially of said initial jet to cause the deflected jet to contact all the dishes in the container.

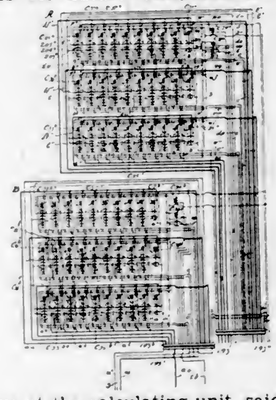
2,236,792
CALCULATING APPARATUS
Henry Jewett Furber, Miami, Fla.
Application October 9, 1935, Serial No. 44,159
3 Claims. (Cl. 235—58)



1. Recording mechanism for service with calculating apparatus provided with denominational numeral members to reflect the digits of whole numbers and of decimal fractions and provided with selective numeral circuits corresponding to said digits and denominational circuits corresponding to the orders of the digits; the said recording mechanism comprising a column-spacing platen, electrically actuated recording members corresponding to respective digits and a recording member corresponding to the decimal point, a motor, reversible transmission from the motor to step the platen in opposite directions, a movable switch controlled by the transmission, circuits corresponding to the column of the decimal and the denominational circuits selectively commal point, means including the last said circuits and the denominational circuits selectively completed by the switch for differentially controlling the transmission to step the platen in one direction from zero position in variable degree according to the ordinal column of the denominationally highest significant digit of whole number and in opposite direction in variable degree according to the lowest significant digit of a fraction, and to step the platen back to zero position in relatively reversed directions, means controlled by the switch to complete the numeral circuits and cause the recording members to record the digits corresponding to a whole number in denominationally descending order as the platen is stepped towards zero position in one direction, and to record the digits corresponding to a fraction in denominationally ascending order as the platen is stepped towards zero position in relatively reversed direction, and a circuit closed by the switch to the recording member corresponding to the decimal point, to cause the last said member to record a decimal point as prefix to the fraction.

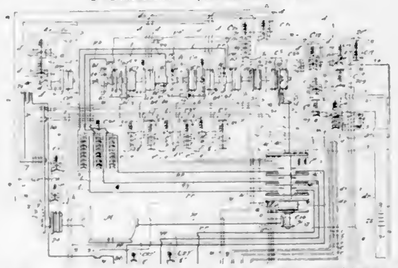
2,236,793
CONSERVATOR MECHANISM
Henry Jewett Furber, Silver Spring, Md.
Original application October 9, 1935, Serial No. 44,159. Divided and this application July 15, 1937, Serial No. 153,844
6 Claims. (Cl. 235—61)

1. In combination with a calculating unit comprising means for accumulating a quantity whether positive or negative in quality, including an accumulator, a motor, reversible transmission from the motor for advancing the accumulator in respectively opposite directions to accumulate a positive or negative quantity, and a directional relay to control the reversible transmission; a conservator unit external to the calculating unit, for the storage prolonged according to volition of quantities for future computations howsoever



numerous at the calculating unit, said conservator unit comprising selective relays to close circuits corresponding to the quantity in storage and an auxiliary relay differentially conditioned according to the quality of the quantity in storage, a circuit differentially polarized by last said relay accordingly as the stored quantity be positive or negative to condition the directional relay, and means including the circuits closed by the storage relays to operate the accumulator under the control of the conservator unit.

2,236,794
MECHANISM FOR DIVISION
Henry Jewett Furber, Silver Spring, Md.
Original application October 9, 1935, Serial No. 44,159. Divided and this application July 28, 1937, Serial No. 156,198
9 Claims. (Cl. 235—60)



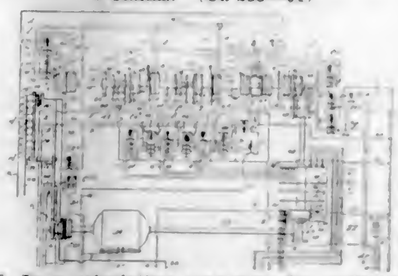
1. In a calculating apparatus for dividing one by the other quantities whether positive or negative in quality, an accumulator comprising denominational members operative in respective opposite directions to accumulate a positive or negative dividend, denominational members in which to enter a divisor for dividing an accumulated dividend, members to reflect the numerals of the quotient, a relay, a circuit controller comprising denominational members operative coincidentally in coordinated directions with the ac-

cumulator members and provided with transfer mechanism operative at first step phases in either direction, a circuit closed or broken by the circuit controller at its denominationally highest member to actuate or immobilize the relay accordingly as an accumulated dividend be negative or positive, a supplemental relay, a circuit to last said relay, a wire of last said circuit differentially polarized by first said relay accordingly as the quality of the dividend be positive or negative, a state control differentially adjustable according to the quality of the divisor, a wire to said supplemental relay differentially polarized by the state control accordingly as the divisor be positive or negative in quality for energizing or immobilizing the supplemental relay accordingly as the polarization of said wires be similar or dissimilar in quality, to identify the quality of the quotient as positive or negative in quality accordingly as last said relay be immobilized or energized.

2,236,795

MULTIPLYING MECHANISM

Henry Jewett Furber, Silver Spring, Md.
Original application October 9, 1935, Serial No. 44,159. Divided and this application July 15, 1937, Serial No. 153,843
7 Claims. (Cl. 235—61)



1. In a calculating apparatus for multiplying quantities one by the other, a rotary timing arm, conductors carried by the timing arm at progressive distances from its axis and displaceable by the timing arm in concentric arcs, selective numeral circuits corresponding to a multiplicand, selective numeral circuits corresponding to a multiplier traversing the circuits corresponding to the multiplicand in the arcs of said conductors, spaced complemental contacts in the circuits at the points of traverse, means angularly to displace the timing arm between the complemental contacts from zero position to cause a said conductor to close circuit between the complemental contacts of the selected factor circuits, the points of traverse being so placed that the degree of angular displacement of the timing arm from zero position to the traverse point of the selected factor circuits is proportionate to the product of the numerals to which the last said circuits correspond.

2,236,796

PROCESS FOR THE SYNTHESIS OF CHLORINATED SATURATED AND UNSATURATED HYDROCARBON OILS

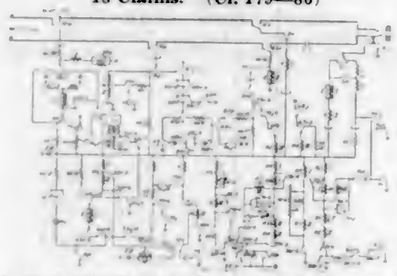
Herman B. Kipper, Accord, Mass.
No Drawing. Application September 13, 1938, Serial No. 229,674
4 Claims. (Cl. 134—56)

1. In a process for the production of viscous chlorinated hydrocarbon oils, the step of chlorinating the oils produced from the condensation of olefinic gases by means of hydrolyzing metal chlorides.

2,236,797

TELEPHONE SYSTEM

Benedikt Kudrna, Vienna, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung," Berlin, Germany, a corporation of Germany
Application July 29, 1938, Serial No. 222,047
In Germany August 2, 1937
18 Claims. (Cl. 179—86)

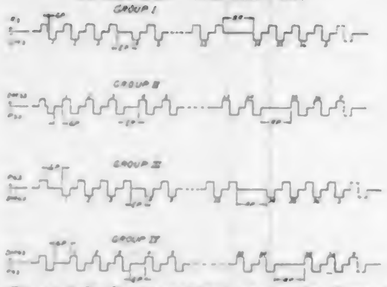


1. In a telephone system, a party line serving a plurality of subscribers' stations, means for generating a train of impulses, and means controlled by said last means for transmitting over said line a station selecting impulse depending in duration upon the number of impulses in said train.

2,236,798

TELEPHONE SYSTEM

Walter Kusche, Berlin-Steglitz, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application October 31, 1938, Serial No. 237,807
In Germany November 22, 1937
19 Claims. (Cl. 179—33)



1. In a telephone system, a party line, two groups of stations on said line, a selector at each station of one group responsive only to impulses of one polarity transmitted over the line, a selector at each station of the other group responsive only to impulses of a different polarity transmitted over the line, and means for transmitting over said line a train of impulses alternating in polarity to operate the selectors of said two groups alternately to select a station.

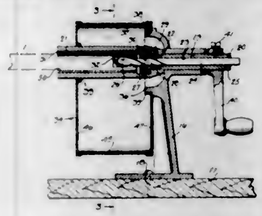
2,236,799

CARBON ECONOMIZING MEANS FOR ELECTRIC ARC APPARATUS

Harry Levy, New York, N. Y., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application September 23, 1938, Serial No. 231,383
3 Claims. (Cl. 77—7)

2. A device for forming a hole co-axially

through the end of a rod-like member comprising a chuck having at one end thereof a cylindrical bore therein adapted to slidably receive and journal said member, and having at the other end thereof an outer bearing surface, a cylindrical drilling tool of a diameter smaller than

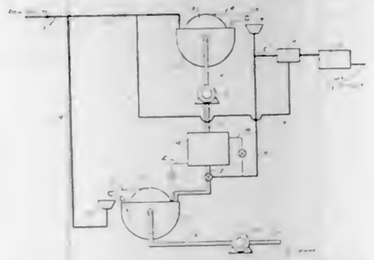


said rod-like member, a fixed bearing for said outer bearing surface, a shoulder on said chuck at one end of said bearing, a handle on said chuck at the other end of said bearing, and means for fixedly securing said tool in said chuck with the cutting end thereof extending co-axially into said bore.

2,236,800

METHOD OF TREATING DISTILLERY WASTES

Adolph W. Lissauer, Louisville, Ky., assignor to Louisville Drying Machinery Company, Louisville, Ky., a corporation of Kentucky
Application September 27, 1937, Serial No. 165,871
3 Claims. (Cl. 210—199)

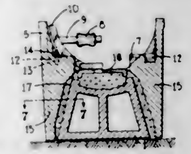


1. A method of treating thick distillery slop comprising: filtering the thick slop to separate its coarse solids and cloudy light liquid constituents; treating the cloudy light liquid with a precipitating agent to form and separate a wet sludge and a clarified waste liquid of lowered B. O. D.; filtering the wet sludge to separate its wet solids and waste liquid constituents; and returning the wet solids to the thick slop.

2,236,801

VITREOUS CLAY CONDUIT REST SECTION

Albert P. McDonald, Louisville, Ky.
Application March 13, 1939, Serial No. 261,514
3 Claims. (Cl. 138—48)

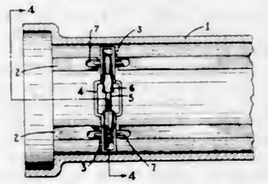


1. In a conduit system: a base drain resting on a foundation; a conduit rest section, having opposed cradle-engaging areas, arranged over the base drain and vertically removable therefrom; and drain-straddling piers integrally formed on the rest section to depend from the cradle-engaging areas thereof substantially vertically along opposite sides of the base drain into firm contact with the foundation.

2,236,802

VITREOUS CLAY CONDUIT SECTION

Albert P. McDonald, Louisville, Ky.
Application March 13, 1939, Serial No. 261,515
1 Claim. (Cl. 138—48)

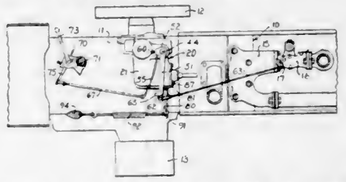


In a conduit system: a longitudinal open-ended tubular body having upper and lower halves; a pair of ribs longitudinally directed along and integrally formed on opposed upwardly curving inner side-wall portions of the lower half, each rib having correspondingly positioned segment recesses; and a pipe-supporting cradle member transversely arranged within the lower half to extend through opposed segment recesses, said member having a semicircular peripheral face in substantially full engagement with the wall of the lower half and being provided adjacent each end with a pair of oppositely disposed axially directed arms positioned to extend closely adjacent the upper side of adjacent rib portions forming opposite sides of the segment recess.

2,236,803

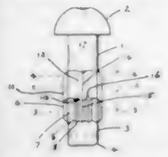
GOVERNOR CONTROL MECHANISM

Elmer McCormick, Waterloo, Iowa, assignor to John Deere Tractor Company, Waterloo, Iowa, a corporation of Iowa
Application December 28, 1939, Serial No. 311,345
4 Claims. (Cl. 123—98)



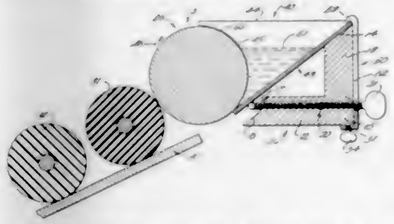
1. Speed control mechanism for a tractor or the like having a speed responsive governor and a carburetor having a throttle valve, said mechanism comprising a governor-actuated arm connected with the throttle valve, a leaf spring member connected with said arm, said arm being swingable away from said leaf spring member to close the throttle valve of the carburetor against the bias of the spring and engaging the latter when moved in the other direction, whereby movement of the governor arm in said other direction is limited, and control means engageable with said governor arm for moving the same toward said leaf spring member against the action of said governor to increase the engine speed above normal.

2,236,804
PERMANENT AXIAL FASTENING MEANS FOR INTERFITTING DRIVEN ASSEMBLIES
Edwin A. Miller, New Haven, Conn.
Application December 7, 1940, Serial No. 369,098
6 Claims. (Cl. 85—37)



6. A permanent axial fastening means integral with the shank exterior of a bolt, said means comprising projecting formations of cutting and forming propensities adapted to operate in sequence upon the wall surface of a bore provided therefor in which to produce channels and to reproduce from within an outwardly portion of each alternate channel a rib formation having an inwardly facing abrupt shoulder within each other alternate channel in blocking engagement with an outwardly facing abrupt shoulder of the cutting means seated therein.

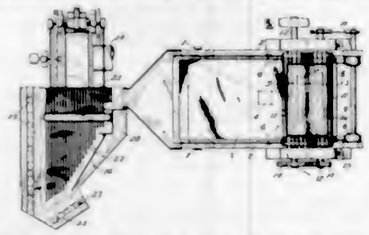
2,236,805
INK FOUNTAIN CONVERSION DEVICE FOR PRINTING PRESSES
Ralph D. Plaisted, Los Angeles, Calif., assignor of one-third to Ralph S. Plaisted and one-third to Frank H. Plaisted, both of Los Angeles, Calif.
Application September 11, 1940, Serial No. 356,287
3 Claims. (Cl. 101—365)



1. In a device as described having an ink fountain base with pressure adjusting screws mounted therein, the base being shaped to engage an elongated pressure blade to be engaged by the pressure screws and an elongated ink roll, the combination of a conversion fountain provided with end walls each having an edge of similar concave shape to form an ink seal with the periphery of the roll between the ends thereof and a pressure blade fitted between the said end walls, means to clamp the conversion fountain to the said base with a portion of the blade positioned for engagement by the adjusting screws.

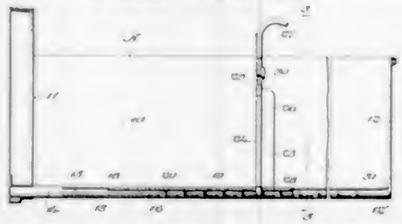
2,236,806
METHOD OF EXTRACTING PURE GERM PRODUCT FROM FARINACEOUS STOCK
Henry M. Sutton and Frank E. Wood, Dallas, Tex., assignors to Reconstruction Finance Corporation, Dallas, Tex., a corporation of the United States
Application March 10, 1939, Serial No. 260,944
1 Claim. (Cl. 83—42)

The herein described process for extracting pure germ product from farinaceous stock, characterized by initially subjecting the grain to a crushing action sufficient to disintegrate outer layers of particles and insufficient to disintegrate said germ, in subjecting the ground particles to agitation and screening to effect separation of the germ particles from clinging particles of the outer layers, in distributing the screened overs on a closely woven metallic plane whose surface is substantially less than one-fourth open to the



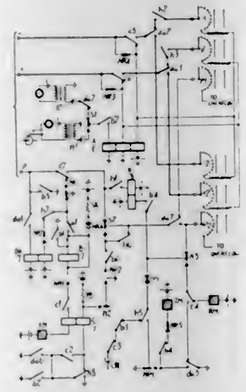
passage of air and inclined whereby particles resting loosely thereon will be drawn in one direction by gravity, in agitating the overs, in stratifying the same and subjecting the said overs to intersecting currents of air to effect separation of the particles of the overs to cause the particles to report in separate zones according to differences in specific gravity for separate collection.

2,236,807
COMPRESSOR MECHANISM FOR FILING TRAYS OR DRAWERS
Albert Theodore Swimmer, Youngstown, Ohio, assignor to The General Fireproofing Co., Youngstown, Ohio, a corporation of Ohio
Application October 23, 1940, Serial No. 362,450
4 Claims. (Cl. 129—28)



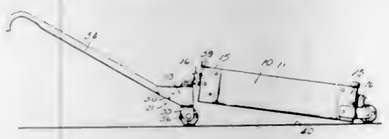
1. A filing tray or drawer having in its bottom a trackway extending longitudinally thereof and comprising a bottom wall, side walls and flanges extending inwardly from said side walls, said flanges being spaced above said bottom wall and also being spaced from each other, a compressor unit including a base of lesser width than the space between said flanges disposed in said trackway for sliding movement therealong, a first pair of tongues adjacent to the front end of said base extending from opposite sides thereof, respectively, into underlying relationship to said flanges, respectively, and a second pair of tongues adjacent to the rear end of said base also extending from opposite sides thereof, respectively, into underlying relationship to said flanges, respectively, whereby said base normally is retained in said trackway, means to retain said compressor unit in different positions of adjustment along said trackway, said drawer having front and rear clearance spaces with which said front and rear pairs of tongues may be alined and through which they may be lifted, respectively, to positions above said flanges to permit removal of said compressor unit from said trackway.

2,236,808
AUTOMATIC SWITCH FOR USE IN TELEPHONE OR LIKE SYSTEMS
Reginald Taylor and George Thomas Baker, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1938, Serial No. 198,170
In Great Britain March 31, 1937
5 Claims. (Cl. 179—16)



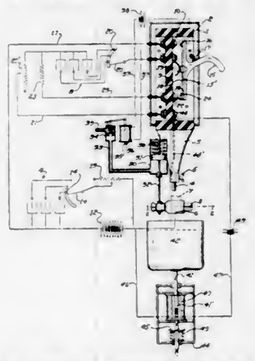
1. In a two-motion switch, wipers having a normal position, a bank of contacts accessible to said wipers, first and second stepping magnets operative in the order named, the first to move the wipers in one direction and the second to move the wipers in a different direction thereby to set the wipers upon a particular contact, means for thereafter reoperating the second stepping magnet to restore said wipers to normal along a path different from the path travelled in setting the wipers, and an auxiliary restoring magnet operable at times to restore said wipers to normal along the same path travelled in setting the wipers.

2,236,809
STANDARDIZED SHOP EQUIPMENT
Giles M. Turner, Milwaukee, Wis.
Original application September 14, 1935, Serial No. 40,599, now Patent No. 2,148,090, dated February 21, 1939. Divided and this application February 17, 1939, Serial No. 256,887
3 Claims. (Cl. 280—46)



3. In a wheeled dolly having a handle and an upward extension adapted to rockably engage and lift a load bearing unit, means for accomplishing the engagement comprising a hook mounted on a normally vertical axis on the upward extension, the hook comprising a weight eccentric to its axis, whereby to move pendularly to facilitate the engaging operation.

2,236,810
HEAT TEMPERING AND HARDENING METHOD FOR METALS
Glenn W. Watson, Detroit, Mich., assignor to Penweld Corporation, Detroit, Mich., a corporation of Michigan
Application February 28, 1938, Serial No. 193,009
4 Claims. (Cl. 148—10)

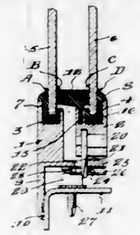


1. In a method of treating a metal body for tempering or hardening the same, the steps consisting of heating the metal by applying opposite terminals from a given current source respectively to spaced areas of the metal, simultaneously discharging into the metal in the same circuit with said source a condenser previously charged by said source, and limiting the quantity of current taken from the source by charging another condenser disposed in the same circuit with and between the source and the metal.

2,236,811
ALKYLATION OF PHENOLS
Charles G. Dryer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 28, 1938, Serial No. 204,905
3 Claims. (Cl. 260—624)

1. A process for alkylating phenols which comprises reacting the same with an olefin in the presence of sulfuric acid containing a small amount of boric acid.

2,236,812
DOUBLE WINDOW CONSTRUCTION
Harold Edwards and Roy T. Axe, Syracuse, N. Y., assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application January 31, 1939, Serial No. 253,832
9 Claims. (Cl. 189—64)



1. In a double window construction including parallel, spaced, glazed sash sections, compres-

sible resilient sealing means within the space between the panes of glass adjacent the interior margins thereof to seal the panes of glass thereat, means including a plurality of spaced clamping elements fixedly attached to one of the sash sections and connecting with the other sash section to effect uniform clamping together of the sash sections and spring means carried by one of said sections and coacting with said clamping elements to thereby uniformly compress and effect sealing of the said sealing means and to constantly automatically thereafter maintain such uniform sealed relationship.

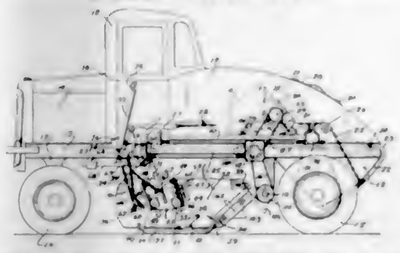
2,236,813

METHOD OF CLEANING STREETS

Ronald Clement Evans, Elgin, Ill., assignor to Elgin Sweeper Company, Elgin, Ill., a corporation of Illinois

Application May 12, 1938, Serial No. 207,443

1 Claim. (Cl. 15—269)



The method of sweeping and brushing a surface such for example as that of a street which comprises continuously brushing the dirt and dust off the surface in a predetermined confined sweeping zone both as the surface is being forwardly traversed and also when the sweeping is confined only to a given portion of the surface without any forward movement thereover, contemporaneously with forward movement over the surface scraping together debris other than dust and dirt such as leaves, twigs and refuse and the like so as to collect such debris in advance of the sweeping zone, periodically releasing the debris scraped together so as to allow the same to enter the confined sweeping zone as the surface being swept is forwardly traversed and thereafter sweeping up in said confined zone such segregated and collected debris off said surface.

2,236,814

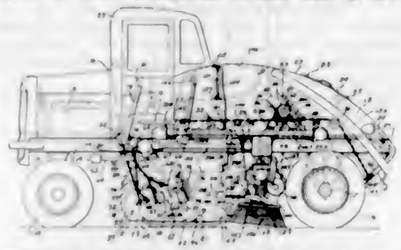
STREET SWEEPER AND DRIVING SYSTEM THEREFOR

Ronald Clement Evans, Elgin, Ill., assignor to Elgin Sweeper Company, Elgin, Ill., a corporation of Illinois

Application May 12, 1938, Serial No. 207,444

2 Claims. (Cl. 15—80)

1. A street sweeper comprising a vehicle chassis supported on front and rear wheels, a motor mounted at the rear of said chassis and having a motor drive shaft extending forwardly therefrom, a dual drive transmission connected to said motor drive shaft and having separate sweeping equipment and vehicle drive shafts extending transversely of said chassis and having a gear reduction driving connection with said motor drive shaft, a caterpillar brush centrally mounted on said chassis, a debris storage hopper mounted at the forward end of said vehicle and arranged to have debris deposited therein by said caterpillar brush, a driving connection extending longitudinally along the outer side of said brush from said transmission sweeping equipment drive shafts to said caterpillar brush, and a driving



connection extending longitudinally along the outer side of said brush from said transmission vehicle drive shafts to said front wheels.

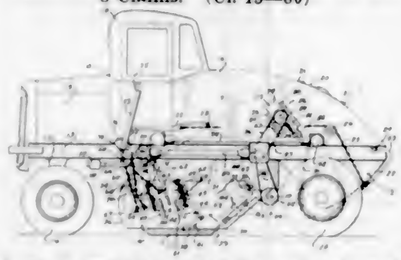
2,236,815

COLLECTING AND CONVEYING APPARATUS FOR SWEEPERS

Ronald Clement Evans, Elgin, Ill., assignor to Elgin Sweeper Company, Elgin, Ill., a corporation of Illinois

Application May 12, 1938, Serial No. 207,445

8 Claims. (Cl. 15—80)



1. In a sweeping apparatus, a brush, a drag plate disposed ahead of said brush in a plane at an oblique angle to the surface being swept, the lower edge of said drag plate being disposed close to but in spaced relation to the surface being swept, whereby dirt and finely divided debris can pass thereunder, but other debris is pushed forwardly by said drag plate, and means for intermittently moving said drag plate to raise it in said oblique plane to permit said other debris to pass thereunder.

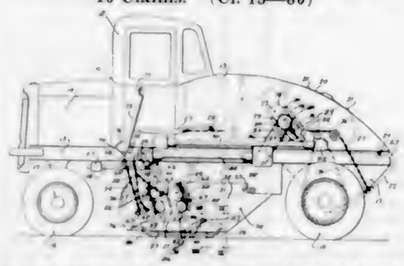
2,236,816

STREET SWEEPER BRUSH AND ASSEMBLY

Ronald Clement Evans, Elgin, Ill., assignor to Elgin Sweeper Company, Elgin, Ill., a corporation of Illinois

Application May 12, 1938, Serial No. 207,446

10 Claims. (Cl. 15—80)



1. In a street sweeper, a vehicle chassis, a caterpillar brush, upper and lower supporting means

for mounting said caterpillar brush on said chassis, said lower supporting means being slidably mounted on said chassis to permit said caterpillar brush to float on the surface being swept, and at least one guide member for confining said lower supporting means to rectilinear movement.

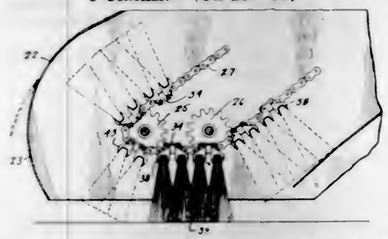
2,236,817

STREET SWEEPER BRUSH AND MOUNTING

Ronald Clement Evans, Elgin, Ill., assignor to Elgin Sweeper Company, Elgin, Ill., a corporation of Illinois

Application June 30, 1938, Serial No. 216,740

6 Claims. (Cl. 15—80)



1. A caterpillar brush for sweeping apparatus comprising a pair of endless flexible members, a plurality of brush units having attaching plates permanently secured thereto, a plurality of additional plates detachably secured to said first plates, a plurality of brush fibre supporting and clamping rods detachably secured to one of said groups of plates, and independent means for securing said rods to one of said groups of plates and for securing said plates together.

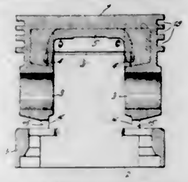
2,236,818

PISTON

John Flammang, St. Louis, Mo., assignor to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware

Application February 15, 1937, Serial No. 125,756

1 Claim. (Cl. 309—11)



A trunk piston of thermo-expansible material having a head, a skirt, and wrist pin bosses connected to the head, said skirt having cylinder-bearing thrust faces and having relieved areas adjacent said wrist pin bosses and between said thrust faces to permit thermal expansion in the direction of the wrist pin axis, one of said thrust faces being separated from the head by a slot extending horizontally between said relieved areas adjacent the top of the skirt, said thrust face having another slot extending vertically and medially thereof downwardly from said horizontal slot defining separate bearing corners adjacent the junction of said horizontal and vertical slots, and a bridge member anchored interiorly to the respective bearing corners and bridging the vertical slot adjacent the horizontal slot, and interior anchorage between said bridge and the respective bearing corners being circumferentially extended substantially across the thrust face, said bridge member being constructed and arranged to prevent undue flexure of the separate bearing corners.

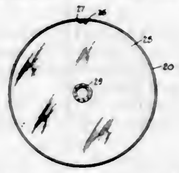
2,236,819

PHYSICIAN'S HEAD UNIT

Samuel Golub and Bernard Frommer, New York, N. Y.

Application March 29, 1938, Serial No. 198,649

1 Claim. (Cl. 128—21)



In a physician's head mirror a base and reflector provided with registering openings for peering therethrough, fastening means for removably securing said reflector and said base together, said means having a passageway registering with said openings for peering therethrough, and cooperating locking means on said base and said mirror for preventing relative shifting of the mirror and base.

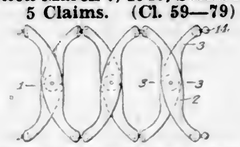
2,236,820

EXPANSION LINK CHAIN

Charles B. Greenberg, New York, N. Y.

Application March 7, 1940, Serial No. 322,694

5 Claims. (Cl. 59—79)



1. A chain of link units in which each unit is comprised of two link arms crossed into an X shaped figure, one of said arms provided with an opening in its center and the other with a pin projecting through the opening in the one arm, holding means on the end of the pin retaining the arms in close contact and ball and socket joints positioned at the ends of and consecutively joining the arms, the axes of the ball and socket joints being parallel to the axis of the chain.

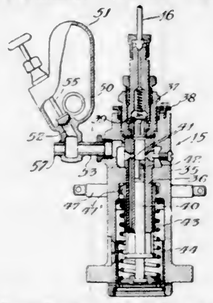
2,236,821

SOLID INJECTION ENGINE

Emil Grieshaber, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 12, 1939, Serial No. 250,484

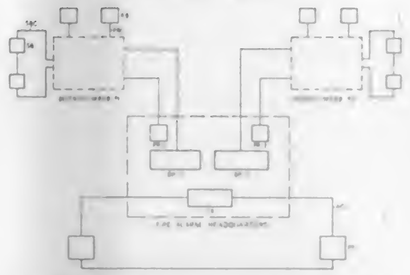
7 Claims. (Cl. 123—139)



1. In a fuel feed system for a solid injection engine, a fuel pump, an air dome connected with the inlet of said fuel pump, means to lead oil

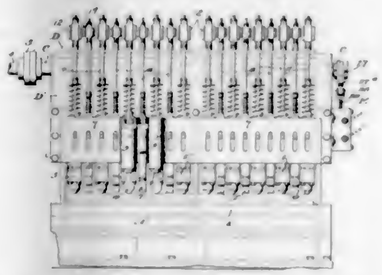
from the bottom of said air dome and deliver the same to said pump, a control valve in said means, to shut off the flow of oil therethrough, and a supply pipe opening into said air dome to supply oil thereto.

2,236,822
SIGNALING SYSTEM
Harry E. Hershey, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 21, 1936, Serial No. 112,032
7 Claims. (Cl. 177—360)



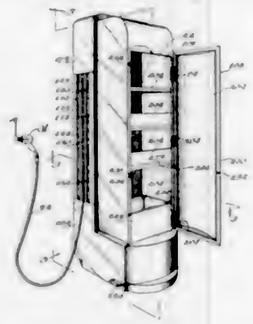
7. In an alarm system, a line circuit, an alarm box associated therewith, a two motion connector switch associated with said line circuit, means in said box operated responsive to an operation thereof to transmit series of impulses comprising two digit codes over said line circuit to operate said connector, means controlled by said connector switch when effectively operated by the digits of one of said codes for registering said code, and discriminating means in said connector for preventing the effective operation of said connector switch to register a code unless the digits of the code are received in the proper sequence.

2,236,823
MULTIPLE WELDER
Grover A. Hughes, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application May 16, 1939, Serial No. 274,053
3 Claims. (Cl. 219—4)



2. An apparatus for progressively forming welds, comprising, in combination, a guide block, a stationary electrode constituting a work support below the guide block, a plurality of movable electrodes slidable in said guide block, a plurality of hold-down plungers positioned between the movable electrodes and also slidable in the block, a power driven shaft, cams on said shaft operating levers connected to said electrodes and plungers for simultaneously lowering said plungers and later simultaneously raising them and during the period the said plungers are lowered into pressure engagement with the work successively contacting the said several electrodes with the work, a transformer, and means for transferring the secondary current of the transformer from one movable electrode to another without interrupting the primary circuit in said transformer.

2,236,824
HOSE TOWER
Willis A. Kropp, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 8, 1937, Serial No. 152,573
10 Claims. (Cl. 221—68)

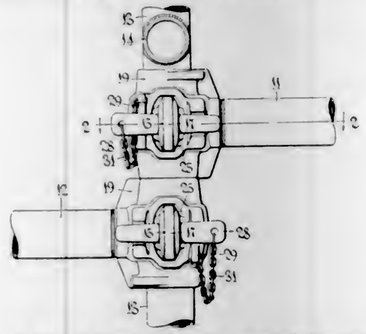


1. In a hose tower, the combination comprising, a cabinet divided into a plurality of vertical compartments, means in the upper portion of said cabinet to support a plurality of lubricant dispensing devices, lubricant dispensing devices adapted to be supported in said supporting means, flexible hose lengths connected to said lubricant dispensing means and depending freely within the vertical compartments in said cabinet, and means connected to the opposite ends of said flexible hose to supply lubricant thereto, each of said compartments having a relatively long vertical slot in one wall thereof through which the lubricant dispensing device therein and the major portion of said flexible hose may be readily withdrawn and reinserted.

2,236,825
PRODUCTION OF AROMATIC SULPHONAMIDES
Joseph R. Mares, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 8, 1938
Serial No. 223,723
7 Claims. (Cl. 260—556)

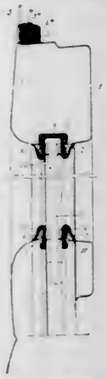
1. In the manufacture of aromatic sulphonamides of the group consisting of aryl and halogenated aryl sulphonamides by the pyrolysis of the corresponding aromatic ammonium sulphonate, the improvement which comprises heating the aromatic sulphonate in a reaction zone to a temperature above 225° C. and below a temperature at which the reaction product undergoes substantial decomposition, positively withdrawing the products of the reaction from the reaction zone and maintaining the temperature of the withdrawn reaction products below the decomposition temperature of the sulphonamide.

2,236,826
KNOCKDOWN SUPPORT
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.
Application April 29, 1939, Serial No. 270,888
5 Claims. (Cl. 287—54)



1. A knockdown support, comprising an upright, a projection thereon having a straight horizontal opening therethrough having a uniform bore, a horizontal element having a member thereon with a face receiving the upright and an aperture for receiving said projection, and a tapered pin adapted to enter the opening to clamp the member against the upright, said member having tapered recesses on opposite sides of the aperture complemental to the taper of the pin for seating the pin.

2,236,827
VEHICLE DOOR
Léon Mollet, Asnieres, France, assignor to Societe Anonyme des Usines Chausson, Asnieres, Seine, France
Application June 9, 1937, Serial No. 147,344
In France June 17, 1936
1 Claim. (Cl. 296—44)

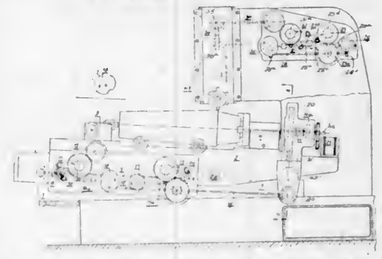


In a metallic vehicle window construction an outer panel and an inner panel, both having registering openings therein, the margins of the two openings being spaced from each other as to afford room for a window pane, flanges formed on said panels along the margins of the openings, the flanges being arranged substantially parallel to the main plane of the frame and being directed toward the center of the opening, a resilient weather strip inserted between the margins of the openings in the two panels and being adapted to receive a window pane, said weather strip being provided with means adapted to overlap and to engage the flanges of both said panels as to hold the strip in place and to cover the edges of the flanges.

2,236,828
DENTAL CREAM
Fred W. Muncie, New Brunswick, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application January 11, 1936, Serial No. 58,775
3 Claims. (Cl. 167—93)

2. A dental cream that contains, as an essential ingredient, a salt of the sulphuric acid ester of a fatty acid monoglyceride and that also contains a polishing agent and a flavoring material.

2,236,829
MACHINING OF NONPRISMATIC WORKPIECES
Josef Musil and Heinrich Ast, Vienna, Austria
Application December 18, 1936, Serial No. 116,474
In Austria December 21, 1935
6 Claims. (Cl. 90—24)

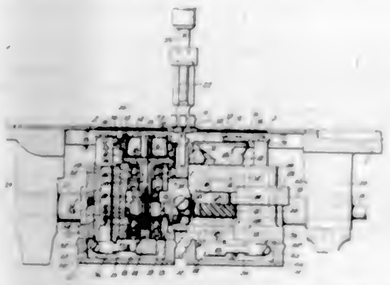


1. In a planing machine of the type for operating on the sides of ingots and similar workpieces, and having a movable table for supporting the workpiece, cutting mechanism for operating on the workpiece in a direction parallel to said movable table, means for intermittently rotating the workpiece around its geometrical axis at the completion of each cutting stroke of the cutting mechanism, and means for moving said cutting mechanism into engagement with the workpiece during the cutting operation and moving said cutting mechanism away from said workpiece at the end of each cutting stroke, the improvement which comprises a control disc having a shape complementary to the shape of the workpiece and operatively connected to the cutting mechanism for controlling the movement of the cutting mechanism during and at the end of the cutting stroke.

2,236,830
LOOP-TAKER MECHANISM FOR SEWING MACHINES
Walter Myers, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 14, 1939, Serial No. 299,415
12 Claims. (Cl. 112—184)

1. Stitch-forming mechanism for sewing machines comprising, a vertically reciprocatory needle, a vertical-axis rotary hook having a bobbin-carrier raceway, a bobbin-carrier having a bearing-rib journaled in said raceway and

about which bobbin-carrier the needle-thread loops are cast by said rotary hook, said bobbin-carrier having a flange overhanging said bearing-rib and provided at opposite sides of the bobbin-carrier within the thickness of said flange with substantially horizontal and upward-



ly closed escapement-apertures, a vertical-axis yoke having escapement-fingers adapted alternately to enter the respective escapement-apertures of the bobbin-carrier flange, and means for actuating said yoke in timed relation with respect to the rotation of the rotary hook to provide a free passage for the needle-thread loops.

2,236,831

METHOD OF ALLOYING CALCIUM WITH MAGNESIUM

Charles E. Nelson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application October 25, 1939, Serial No. 301,170

2 Claims. (Cl. 75—168)

1. The method of alloying calcium with magnesium which comprises incorporating molten magnesium with a calcium base alloy containing from 18 to 23 per cent magnesium.

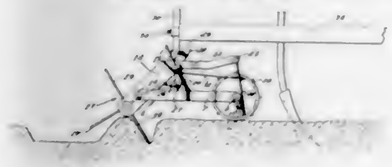
2,236,832

CULTIVATOR DAMMER

Alfred Nielsen, Defiance, Iowa

Application August 31, 1940, Serial No. 355,048

4 Claims. (Cl. 97—55)



1. In an agricultural machine of the class described, a frame, a ground engaging wheel journalled in the frame at one end thereof, a member pivotally mounted on the frame and resiliently supported thereon normally at an angle to the vertical, a rotor supported on said pivoted member and embodying a plurality of circumferentially spaced dam forming blades, a spring biased latch member pivoted on said frame and having its end arranged in the path of said blade for normally locking the rotor against rotating movement in one direction, a trip lever pivotally mounted on said frame, a stud on said wheel and engageable with said trip lever for causing the latter to swing on its pivot, and an operating connection between said trip lever and said latch for transmitting swinging movement of the lever to the latch.

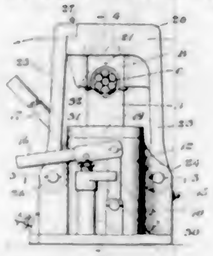
2,236,833

CABLE AND STRUCTURAL SHAPE CUTTER

Phil S. Pell and Arthur F. Wallace, Honolulu, Territory of Hawaii

Application September 30, 1940, Serial No. 359,168

6 Claims. (Cl. 164—56)



1. A portable manually operated tool for cutting cable or structural shapes, comprising a base member, a hydraulic jack formed within the base member and including a movable piston, an upper presser member pivotally secured to said base about a horizontal axis, and including a supporting head, means for releasably securing the head portion above said piston, cooperating cutter and die members carried by said piston and said head, and means for actuating said piston to force the cutter and die members into cutting relation.

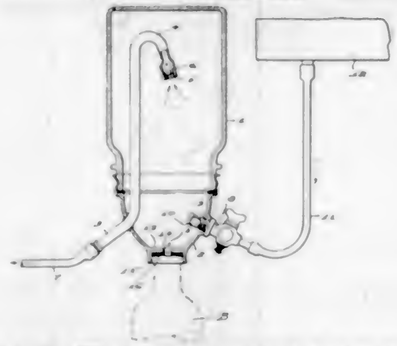
2,236,834

FILLING DEVICE

James H. Pickens, Houston, Tex.

Application November 2, 1939, Serial No. 302,593

1 Claim. (Cl. 226—116)



A bottle filling device comprising a receptacle of inverted jar-like form and having a threaded neck, a cup-shaped cap member for said receptacle threaded on said neck and having a flanged bottom adapted to fit over the mouth of a bottle, said bottom having a discharge aperture therein, a gravity feed supply tank separate from the receptacle, a valved inlet nozzle threaded into one side of the cap member, a tube connecting said nozzle to the bottom of the tank, a gooseneck tube arising from the other side of the cap member into the receptacle and having a lower end extending out of said member for connection to a vacuum line, and an inwardly opening ball valve in the upper end of said gooseneck tube.

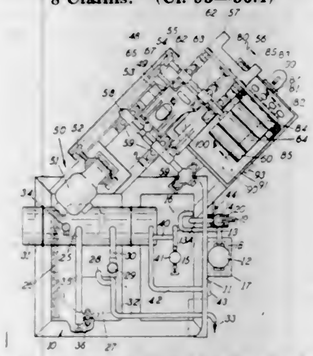
2,236,835

BOX FORMING MACHINE

Walter E. Pope, Port Dickinson, N. Y.

Application August 21, 1939, Serial No. 291,248

8 Claims. (Cl. 93—36.4)



1. In a box forming machine having a support for a box to be formed, a reciprocable plunger having a presser member adapted to engage a box on said support, manually controlled fluid actuated means for forcing said plunger and its presser member into engagement with a box on the support, a power driven rotating roller for applying adhesive to a box blank, an adhesive tray arranged to receive the roller, heating means associated with the tray, and a power driven compressor for supplying pressure fluid to the fluid actuated means: means including a single manually operable device for simultaneously actuating the tray heating means, the roller for applying adhesive, and the compressor for supplying pressure fluid to the fluid actuated means operating the plunger.

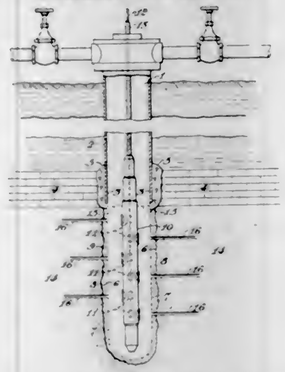
2,236,836

METHOD OF LINING WELL BORES

Carl F. Prutton, Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application December 24, 1938, Serial No. 247,594

7 Claims. (Cl. 166—21)



7. In a method of providing a channeled supporting lining for a well bore penetrating a fluid producing formation, the steps which comprise introducing a resin-forming liquid into the well bore, forming a solid resin lining on the walls of the well bore as well as a solid consolidating deposit of resin in the formation immediately adjacent the well bore, and then forming flow channels in the so-formed resin lining and the formation by explosive means.

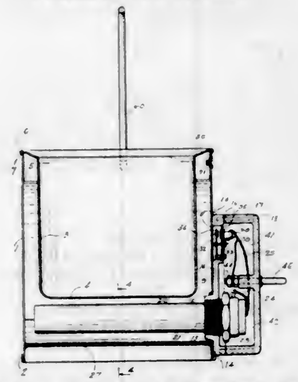
2,236,837

GLUE POT

Ira A. Rimmel, Lakewood, Ohio, assignor to The Kindt-Collins Co., Lakewood, Ohio, a corporation of Ohio

Application April 11, 1939, Serial No. 267,292

3 Claims. (Cl. 219—44)



1. A device of the class described, inner and outer vessels hermetically sealed to each other to provide a chamber therebetween, an immersion heater element disposed in the bottom of said chamber, said chamber being formed to provide a sump below the inner vessel for the reception of the heater element, and said chamber being partially filled with an oil, said heater element adapted to heat the oil and the oil adapted to heat the inner container, and a thermostat disposed on the periphery of the outer vessel and connected in series with said heater element to regulate the temperature within the inner vessel.

2,236,838

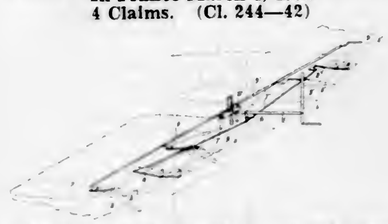
LATERAL CONTROL FOR AIRPLANES

Roger Robert, Boulogne-sur-Seine, France

Application March 4, 1939, Serial No. 259,893

In France March 4, 1938

4 Claims. (Cl. 244—42)



2. An airplane as claimed in claim 1, comprising means for withdrawing gradually the marginal parts of the wing flaps at the same time that the front parts of said wing flaps are actuated.

2,236,839

UNIVERSAL JOINT

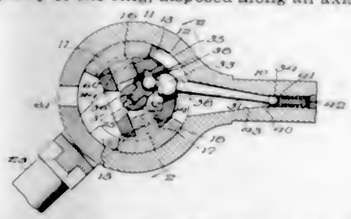
Dante A. Salvetti, Blawnox, Pa., assignor of one-third to William G. Darrall, Springdale, Pa.

Application March 30, 1940, Serial No. 326,938

5 Claims. (Cl. 64—21)

4. A universal joint comprising a rotary shaft

member provided with a complete ring a diameter of which coincides with the axis of rotation of the shaft member, a second rotary shaft member, a pair of shoe means in driving relation to the periphery of the ring, disposed along an axis pass-



ing through the center of the ring, and adapted to be driven by the ring, and means for pivotally attaching the shoe means to the second shaft member, for oscillation of the shoe means with respect to the second shaft member about said axis of the shoe means.

2,236,840

COATING COMPOSITION

James J. Scott and William P. Baria, Fort Worth, Tex.

No Drawing. Application January 21, 1941, Serial No. 375,356
1 Claim. (Cl. 75—166)

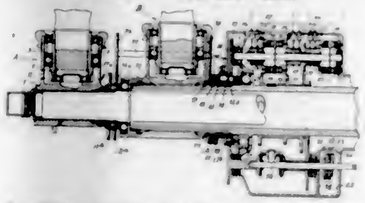
A coating composition comprising thallium, tin, antimony, copper, and lead in the following proportions: thallium 10 per cent, tin 20 per cent, antimony 5 per cent, copper 3 per cent, and lead 62 per cent.

2,236,841

VARIABLE PITCH AERIAL PROPELLER

Charles Raymond Waseige, Rueil, France

Application July 27, 1938, Serial No. 221,595
In France July 30, 1937
9 Claims. (Cl. 170—163)



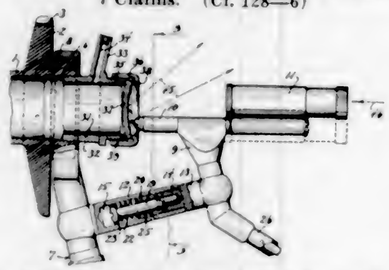
1. A pitch varying mechanism for propelling means including two aerial propellers with variable pitch coaxially arranged one behind the other, each of which includes a hub and propeller blades rotatably carried by said hub, and two concentric inner and outer propeller shafts respectively carrying said propellers, a transmission member associated with the propeller carried by the inner shaft and arranged between said two propellers and coaxially thereto, a plurality of motion transmitting contrivances carried by the hub of the propeller fast on the inner shaft and respectively connecting said transmission member to the various blades of this propeller and adapted to transform a motion of the transmission member relatively to the propeller shaft into a pitch varying motion of the blades, an epicyclic transmission including planet gears carried by the propeller fast on the outer shaft and compelled to rotate in unison with each other and sun wheels arranged on either side of and coaxially to said propeller fast on the outer shaft one between the two propellers and the other on the opposite side of said propeller on the outer shaft, the sun wheel located between the two propellers being connected to said transmission member so that an angular motion of said sun wheel relatively to the inner shaft will cause a motion of said transmission member relatively to the same shaft, separate engines for rotating separately said propeller shafts, a motion transmitting means arranged on the same side of the propeller on the outer shaft as the sun wheel around said shaft, coaxially therewith and movable relatively to said shaft, a plurality of motion transmitting contrivances carried by the propeller fast on the outer shaft and respectively connecting said motion transmitting means to the various blades of the propeller on the outer shaft to transform a motion of said means relatively to the outer shaft into a pitch varying motion of the blades, and separate actuating mechanisms for respectively rotating said other sun wheel and the motion transmitting means.

2,236,842

ENDOSCOPIC INSTRUMENT

William G. Allyn, Auburn, N. Y., assignor to William N. Allyn, Skaneateles, N. Y.

Application July 13, 1939, Serial No. 284,337
7 Claims. (Cl. 128—6)



1. An endoscopic instrument of the class described, comprising an elongated tubular barrel axially open from end to end, illuminating means connected to one end of the barrel and selectively movable to and from a position registering with the barrel and to and from a position displaced to an out of the way point at one side at least of the barrel, and means for positively locking said illuminating means against movement when in each of its selective positions aforesaid.

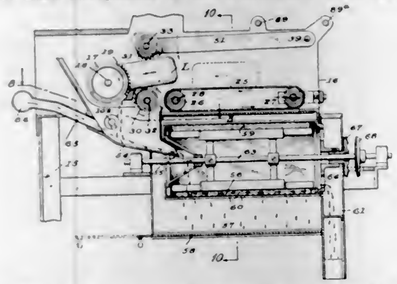
2,236,843

GRINDING MACHINE

Charles S. Brykczynski and John Kosman, Brooklyn, N. Y., assignors to Geo. F. Stuhmer & Company, New York, N. Y., a corporation of New York

Application June 23, 1936, Serial No. 86,850
7 Claims. (Cl. 83—94)

3. In a machine for grinding appreciably large and hard solid bodies, the combination of a feed conveyer for the solid body, a pair of slow moving and toothed feeding rollers located adjacent the discharge end of the conveyer, a high speed grinder adjacent the toothed feeding rollers, said toothed rollers being operable to firmly engage and hold the body fed up by the conveyer during the high speed grinding operation, a screen separator beneath the conveyer, a blower for supplying a current of air to feed the material from the grinder to the screen separator, said screen separator adapted to distribute and assort the ground material, a receptacle arranged to receive from the screen separator the larger particles of material, a secondary high speed grinder, a conveyer for conveying the larger particles of material from said receptacle to the secondary high speed



grinder to be reground thereby, and a conductor for conducting the reground material to and mixing the same with the initially ground material from the primary grinder for feed therewith to the screen separator.

2,236,844

FOOD PRODUCT AND PROCESS OF MAKING SAME

Emory L. Cocke, Atlanta, Ga., and Benjamin H. Ticknor, II, Englewood, N. J., assignors of one-half to Commercial Molasses Corporation, New York, N. Y., a corporation of Delaware, and one-half to Suni-Citrus Products Company, Haines City, Fla., a corporation of Florida

No Drawing. Application March 17, 1939, Serial No. 262,568
11 Claims. (Cl. 99—6)

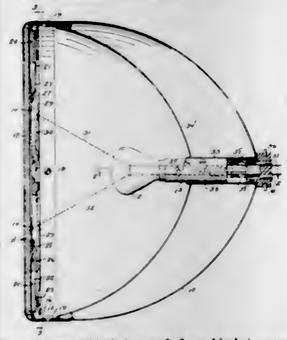
1. A process of producing an edible substantially nonhygroscopic molasses food product, which comprises comminuting citrus fruit residue containing its natural moisture, heating said comminuted residue in the presence of an added and non-toxic calcium compound, removing excess moisture from said treated residue, mixing said partially dehydrated residue with liquid molasses, and subjecting said mixture to drying to reduce the same to the form of a dried powdered material.

2,236,845

COMBINED HEADLIGHT AND FOG LIGHT

Joseph H. Curry, Lansdale, Pa.

Application November 14, 1939, Serial No. 304,437
1 Claim. (Cl. 240—45)



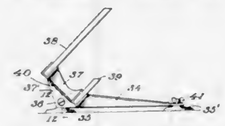
A combined headlight and fog light comprising a casing, a bulb in the casing, a reflector, a lens, means holding the lens in place, a plurality of plates extending radially inward from said means, an annular series of disks disposed concentric with the axis of the casing, the disks being disposed in pairs, each pair of disks being swivelly mounted on the inner end of a respective plate, a ring floating within the casing and oscillatable through a limited stroke concentric with the axis of the casing, one of the disks of each pair of disks being pivotally connected to the ring to be swiveled when the ring is moved, the other disk of each pair being free from the ring, a connecting rod connecting the first-named disk of one pair with said other disk to the next adjacent pair of disks in a counter-clockwise direction, arms carried by each pair of disks, arcuate translucent masks disposed in the casing in an annular series between each pair of disks, links connecting the arms of each pair of disks with the ends of two adjacent masks, the arrangement being such that when the ring is turned in one direction all of the disks will be moved radially inward to form an annulus adapted to dim the beam and when the ring is turned in the opposite direction all of the masks will be moved radially outwardly toward the ring to permit bright-light driving conditions, a lever projecting from one of the disks pivotally and slidably connected to the ring for moving the ring, and a cord connected to the lever to rock the lever on the swivel connection of the respective disk as a pivot to move the ring in either direction to move the masks into dimming or out of dimming position.

2,236,846

SNOW AND INSECT SHIELD

Roy S. Davisson, Waynesfield, Ohio

Application May 10, 1939, Serial No. 272,887
2 Claims. (Cl. 296—91)



1. A shield for an automobile having a hood, comprising suction cups demountably fixed to said hood in spaced relation to each other, a carrier connected to the said suction cups, a transparent section fitting said carrier for angular disposition relative to said hood, a second transparent section carried by said carrier spaced from the first transparent section and held angularly by the same, and a bracket connected with the carrier and a suction cup carried by the rear end of the bracket for sustaining the said transparent sections angled to the vertical with respect to said hood.

2,236,847

COATED PAPER

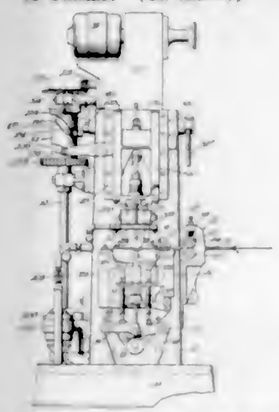
Frederick H. Frost, Portland, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application May 23, 1938, Serial No. 209,629
2 Claims. (Cl. 91—68)

1. Process which comprises applying to a paper web, in an amount at least equivalent to 5 pounds dry weight per ream on one side, a mineral coating composition consisting essentially of aqueous dispersion of adhesive and a mixture of white pigments of which from 30 to 70% is titanium

dioxide and from 70 to 30% is a high finishing pigment of the group consisting of satin white, calcium carbonate and fine coating clay, the pigment mixture having an average refractive index of at least about 2, drying the coated paper, smoothing and leveling the coated surface of the paper to a high finish by a super-calendering operation, and applying on the coated surface a layer of substantially colorless and transparent lacquer.

2,236,848
CAN BODY WELDING MACHINE
James H. Graham, Torrington, and George W. Jackman, Jesse B. Burton, and Zenas P. Candee, Waterbury, Conn., assignors, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 2, 1938, Serial No. 199,728
15 Claims. (Cl. 219—6)



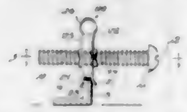
1. A can body welding machine comprising a mandrel adapted to support can bodies with their side seams disposed upwardly, a vertically movable substantially horizontal slideway above and parallel to the mandrel, a carriage mounted for horizontal sliding movement upon said slideway, means for reciprocating the carriage, an electrode wheel supported by the carriage, and automatic means operating in timed relation to the carriage reciprocating means for raising and lowering the slideway, the carriage and the electrode wheel, to move the wheel out of and into contact with a can body on the mandrel at the respective ends of the reciprocating movement of the carriage.

2,236,849
SAFETY ELECTRODE HOLDER FOR ARC WELDING
Ferdinand W. Hackmeyer, Mobile, Ala.
Application May 29, 1939, Serial No. 276,427
13 Claims. (Cl. 219—8)



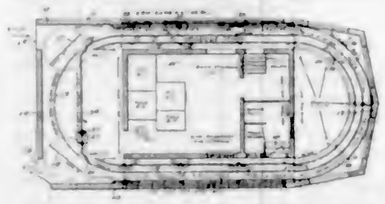
7. In combination with a welding tong having a gripping member and handle elements therefor; a combined handle and switch for one of said elements, having switch operating means for actuating said switch to make and break the circuit to said welding tong, and means associated with the other of said handle elements adapted to contact said switch operating means on initial opening movement of said gripping member.

2,236,850
FASTENING DEVICE
George A. Hansman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 21, 1939, Serial No. 300,628
18 Claims. (Cl. 85—36)



1. A fastening device comprising a section of sheet metal providing a pair of arms extending in the same general direction, threaded engaging means on each of said arms, said thread engaging means being in substantial alignment and extending in generally opposed relation from said arms for threadedly egaging a bolt or screw passed therethrough, said arms being adapted to spread apart to provide a spring locking action of said thread engaging means thereon in threaded engagement with said bolt or screw.

2,236,851
MILKING SYSTEM
Thomas S. Haselton, Eustis, Fla.
Application April 20, 1939, Serial No. 269,030
5 Claims. (Cl. 119—16)

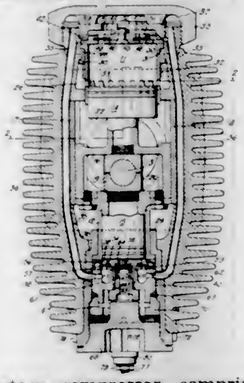


1. In dairy equipment, a circuitous rail, a plurality of feed trough supports suspended from and movable on the said rail, a feed trough having projecting parts disposed within each of the supports, means to releasably secure the head of a cow within each of the said feed trough supports, guide rails disposed laterally of the said supports, and spaced stop means carried by the said guide rails and engageable with the projecting parts of the said feed troughs to prevent further movement thereof.

2,236,852
PROCESS FOR PRODUCING ENAMEL, MORE PARTICULARLY WHITE CLOUDED ENAMEL
Ignaz Kreidl, Cleveland, Ohio
No Drawing. Application August 3, 1937, Serial No. 157,229. In Austria March 4, 1937
6 Claims. (Cl. 106—36.2)

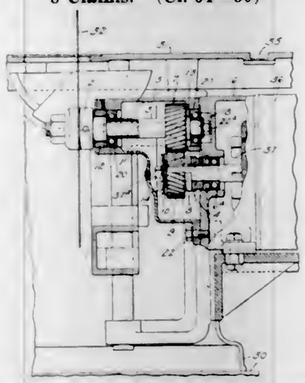
6. An enamel slip of controlled stiffness having incorporated therewith at least one substance capable of reducing the stiffness of said slip and selected from the group consisting of polybasic acids and acid reacting salts thereof, in a quantity ranging between 1 to 5 parts per thousand of the said slip.

2,236,853
COMPRESSOR
Nicolas Herszmark, Paris, France
Application May 29, 1939, Serial No. 276,462
In Great Britain May 28, 1938
4 Claims. (Cl. 230—185)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



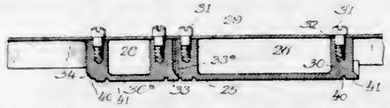
1. A two-stage compressor, comprising high-pressure and low-pressure cylinders, pistons reciprocating in said cylinders, a crankshaft, a crosshead engaged by said crankshaft and connected to said pistons, guides for said crosshead, interstage communication passages between the outer ends of said cylinders, valve-fitted cylinder heads secured at the opposite ends of said cylinders, a delivery passage from said high-pressure cylinder, and a cut-off device including piston mechanism controlling an escape from said delivery passage and a latching device tending to hold said piston mechanism in one or other of its extreme positions.

2,236,854
INERTIA ELIMINATOR
William Ferdinand Ocenasek, Plainfield, N. J., assignor to Walker-Turner Co. Inc., Plainfield, N. J., a corporation of New York
Application April 19, 1938, Serial No. 202,850
8 Claims. (Cl. 64—30)



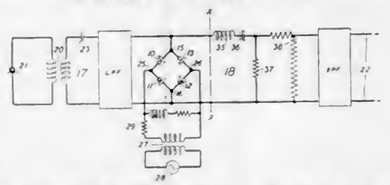
7. In a high speed electric motor driven power transmission, a device for absorbing excessive energy comprising a pair of driving and driven helical gears mounted respectively on driving and driven shafts, means mounting one of said gears as to be slightly shiftable axially on its associated shaft; spring means resiliently urging said shiftable gear into relatively tight frictional driving relation with its associated shaft with a force greater than required to stall the motor of the transmission under any normal condition of operation; said gears having the helix angle of the teeth extending in a direction opposed to the action of the said spring means and operating to provide a momentary yield in the drive upon a sudden stopping the driven gear of the transmission, said resilient means in cooperation with the helical teeth of the gears momentarily absorbing the inertia energy of the motor and operative promptly thereafter to render the connection positive to stall the motor.

2,236,855
SECTIONAL EDGE MOLDING FOR COMPOSITE FURNITURE TOP CONSTRUCTION
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application December 30, 1938, Serial No. 248,557
1 Claim. (Cl. 311—107)



An edge molding for composite furniture top construction comprising in combination with a flat metal top with a depending angular flange, a plurality of units of similar transverse contour, each unit being provided at one end with an inwardly beveled depression and at the other end with an outwardly beveled projection, said units when assembled having the outwardly beveled projection of one unit partially penetrating the inwardly beveled depression of the adjacent unit to permit relative expanding of the joints without destroying the apparent continuity of the molding, means associated with each unit for removably securing it to said angular flange, and the rim of the inwardly beveled depression of one or more units being cut away at the bottom to permit the removal of said one or more units without detaching any of the units adjacent to said one or more units.

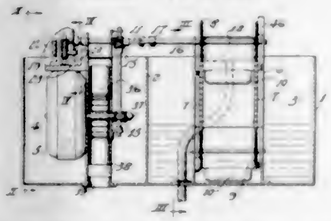
2,236,856
MODULATING SYSTEM
Dixon B. Penick, Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 29, 1939, Serial No. 264,715
6 Claims. (Cl. 179—171.5)



1. In a modulating system comprising a plurality of non-linear resistance elements arranged in the form of a bridge, an input circuit for modulating waves and an output circuit including a filter network having a predetermined impedance-frequency characteristic for selecting a desired modulated wave both of which are connected

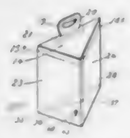
to one diagonal of the bridge, and a carrier wave source connected to the opposite diagonal of the bridge so that the modulating and carrier waves are combined in the desired modulated waves; means comprising an impedance network interposed in the output circuit between the non-linear bridge and the filter network for providing the bridge output circuit over the range of selected frequencies with an effective impedance-frequency characteristic which is substantially identical with the impedance-frequency characteristic of the filter network to transmit wave components of all frequencies in the desired modulated waves substantially with uniform losses.

2,236,857
DEVICE FOR DOSING FLUSH SYSTEMS
Claude Railton, Johannesburg, Transvaal, Union of South Africa
Application November 2, 1939, Serial No. 302,560
In Great Britain November 16, 1938
4 Claims. (Cl. 4—227)



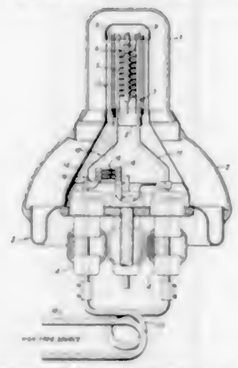
1. An apparatus for automatically introducing a predetermined quantity of liquid disinfectant or the like into a water-closet bowl or similar receptacle having means for flushing the same, comprising a reservoir for said liquid, endless chain-bucket devices disposed in said reservoir for elevating therefrom and discharging into said bowl a predetermined quantity of said liquid disinfectant, means including a motor driven shaft controlled by said bowl flushing means for actuating said elevating and discharging devices, said actuating means further including electro-mechanical devices for delaying the actuation thereof and of said liquid elevating and discharging devices until after the flushing operation is completed.

2,236,858
HATBOX
Emile G. Speeger, Elmhurst, Long Island, N. Y.
Application November 20, 1937, Serial No. 175,610
4 Claims. (Cl. 229—22)



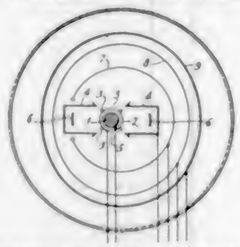
1. A triangular prism-shaped box comprising top, side and bottom sections, said top section hinged to the side section along one of the side walls, the bottom section comprising a triangular shaped portion having a plurality of flaps attached thereto, and adapted to be inserted completely within the side section, and means for attaching one of said flaps to one of the walls of said side section for supporting the bottom section in position.

2,236,859
GETTER FOR ELECTRON DISCHARGE DEVICES
Roland B. Vandegrift, North Arlington, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1940, Serial No. 321,414
4 Claims. (Cl. 250—27.5)



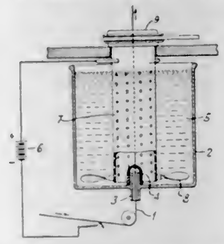
3. The method of exhausting an electron discharge device with two leads effectively short circuited near their inner ends comprising connecting a getter of the resistance heater type across said leads intermediate the envelope of the device and the short circuited point, and applying a tuned high frequency potential to the outer ends of the leads.

2,236,860
ELECTRON DISCHARGE DEVICE
Adrianus Johannes Wilhelmus Marie van Overbeek, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands
Application April 26, 1939, Serial No. 270,050
In Germany May 13, 1938
7 Claims. (Cl. 250—27.5)



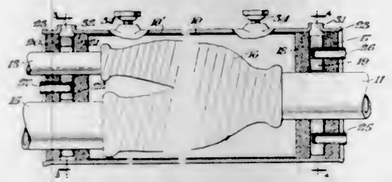
1. An electron discharge device having a cathode for emitting electrons and an output anode for receiving electrons from said cathode, a control grid surrounding said cathode, and means for forming said electrons into a plurality of radial beams, a shield electrode positioned around said cathode and grid and provided with an aperture registering with one of said beams, another of said beams being directed within the said shield electrode and an auxiliary anode positioned between said grid and shield in the path of the beam directed within the shield electrode to receive electrons from said beam, and a second control electrode between said shield and output anode, said output anode and second control electrode being symmetrically shaped and eccentrically positioned with respect to the aperture in said shield electrode whereby the electric field between the shield electrode and second control grid during operation of the tube causes the beam emerging from said aperture to be diverted from a radial path outside of said shield electrode.

2,236,861
CATAPHORETIC COATING APPARATUS
Emil G. Widell, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 29, 1938, Serial No. 187,632
1 Claim. (Cl. 204—300)



Apparatus for cataphoretically coating a wire with a material comprising a liquid container for holding particles of said material in suspension, a perforated metal cylinder journalled to rotate about a vertical line in said container with the lower end of the cylinder adjacent the bottom of the container, stirring fins attached to the exterior lower end of said cylinder for agitating the liquid in the container, means for rotating said cylinder and attached fins, a liquid-tight bushing in the bottom of said container, and means for drawing said wire through said bushing and upward along said center line of the cylinder.

2,236,862
CABLE JOINT AND METHOD OF FORMING SAME
Ernest Williams, Jackson Heights, and Constantine P. Xenis, Little Neck, N. Y., assignors to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,566
6 Claims. (Cl. 113—112)



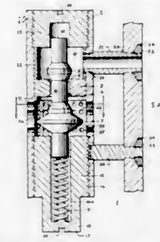
1. The method of sealing a cable having a metallic sheath, with respect to a metallic sleeve surrounding same, which comprises introducing a pre-cast wall of solder into the space between the sheath and the interior surface of the sleeve and also barriers at each side of said wall to confine the solder when melted, and then temporarily applying heat internally of said wall from a source therein, to cause the solder to melt and adhere and become sealed in respect to said surface and the sheath.

2,236,863
CABLE JOINT AND METHOD AND MEANS FOR FORMING SAME
Ernest Williams, Jackson Heights, and Constantine P. Xenis, Little Neck, N. Y., assignors to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,567
11 Claims. (Cl. 113—112)



1. The method of sealing an insulated electric cable having a metallic sheath, in respect to a metallic sleeve into the end of which the cable extends, which comprises placing barrier means around the cable, between the cable and sleeve near an end of the latter to form an enclosure, introducing a quantity of solder in solid state and in such divided form that it may be poured into said enclosure, and applying sufficient heat to said enclosure to melt said solder, whereby the resulting body of solder when cooled integrally seals the cable sheath in respect to the sleeve.

2,236,864
GAS-LIFT VALVE
James B. Worthington and George R. McGee, Oklahoma City, Okla., assignors to Thomas Bryan, Fort Worth, Tex.
Application February 3, 1940, Serial No. 317,088
2 Claims. (Cl. 103—233)

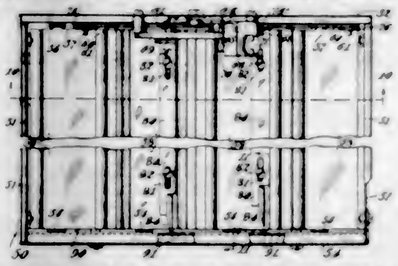


1. A gas-lift valve comprising a tubular housing, a sleeve therein intermediate its ends, a valve stem slidably operable through said sleeve, valve elements on said valve stem spaced apart one on either side of said sleeve, seating surfaces on said valve elements for contacting said sleeve, a gas inlet into the valve housing at one side of said sleeve, clearance around said valve stem within said sleeve, small apertures through the walls of the said valve housing forming gas outlets, at the other side of said sleeve, a spring holding said valve stem in position whereby one of said elements is in contact with the said sleeve, and spring retainer head attached internally at one end of the said housing and a valve guide head forming a plug at the opposite end of the said housing, said plug counterbored internally to cooperate with one end of said valve stem as a guide.

2,236,865
DIRECTIONAL REGISTER
James H. Bailey, New Canaan, Conn., and Frank T. Bailey, Montclair, N. J.
Application March 2, 1938, Serial No. 193,428
5 Claims. (Cl. 98—110)

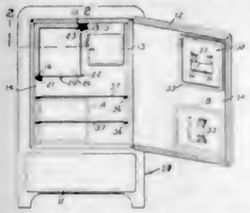
1. A register comprising a casing, a plurality of vanes rotatably mounted in said casing with their

longitudinal axes in substantial parallelism, a driving member, connections between said driving member and said vanes, and means for operating said driving member to simultaneously adjust all of said vanes, said connections being removable,



whereby any of said vanes may be adjusted independently of the other of said vanes, and means for holding a vane in any of a plurality of adjusted positions while other vanes are adjusted simultaneously by operation of said driving member.

2,236,866
REFRIGERATOR RECEPTACLE
Carl W. Benson, Altadena, Calif.
Application August 4, 1939, Serial No. 288,355
4 Claims. (Cl. 312—189)



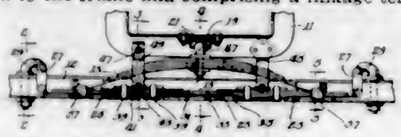
2. In a refrigerator, a cabinet having a door and having a food storage compartment therein, said cabinet having a pair of spaced receptacle support means therein each adapted to support a receptacle, a receptacle, said receptacle including sides, top and bottom and having an open outer end, said receptacle selectively engaging either of said support means, a closure member, spaced closure engaging support means on said door, said means on the door being so disposed that a closure engaged with either will be aligned with the open front of the receptacle disposed upon one of the first mentioned support means.

2,236,867
BREAD IMPROVER
Herbert H. Bunzell, New York, N. Y.
No Drawing. Application April 17, 1937, Serial No. 137,477
8 Claims. (Cl. 99—91)

7. A bread improver comprising a composition of urea and an ammonium propionate with an acid reaction corresponding to a pH of about 5.

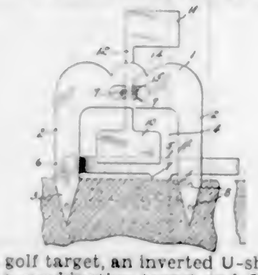
2,236,868
VEHICLE SUSPENSION
Junius Ford Cook, Johannesburg, Transvaal, Union of South Africa
Application March 2, 1939, Serial No. 259,342
8 Claims. (Cl. 280—124)

1. In a vehicle having axle means and a frame supported thereon, the combination, with the axle means and said frame, of supporting spring means, connecting means attaching said supporting spring means centrally on the frame, said supporting spring means being suspended on said axle means on opposite sides of and substantially equally spaced from said connecting means, and stabilizing means connected to the axle means and to the frame and comprising a linkage tend-



ing to maintain parallelism between the axle means and the frame and including leaf-spring means capable of bending in either direction from normal position in the plane in which said linkage operates, said leaf-spring means comprising a continuous spring shackled at its opposed ends on the axle means and having a pair of symmetrically-arranged spring portions, each of which is rockingly connected on said frame on opposite sides of the center of gravity thereof.

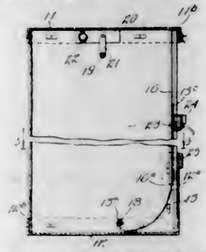
2,236,869
GOLF TARGET
Armand E. Daigle, Detroit, Mich.
Application June 7, 1939, Serial No. 277,857
5 Claims. (Cl. 273—36)



1. In a golf target, an inverted U-shaped frame member, a combination target and flag pivotally mounted on the U-shaped frame member so the target may swing between the legs of the U frame member and the flag may swing over the top of the U frame member and a third leg for supporting the frame member in upright position, said third leg being attached at one end to a leg of the frame member and the opposite end being to the rear of the frame and bendable to act as a deflector to discharge a golf ball delivered through the U-shaped frame member, to one side of the target in position for driving toward another target.

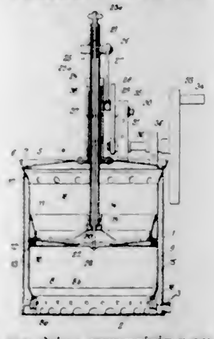
2,236,870
KNOCKDOWN CABINET
Harry Derman, Laurelton, Long Island, N. Y.
Application January 3, 1939, Serial No. 248,932
2 Claims. (Cl. 312—144)

2. In a knockdown paper board cabinet of the character described composed of a plurality of detachably coupled unit parts, said parts when assembled forming a rectangular cabinet having a door opening in one wall thereof and guide channels on opposed sides of said opening, a flexible door member controlling said opening, said door member comprising an elongated sheet of single faced corrugated board, a transverse reinforcing strip attached to the corrugated surface of the door member in spaced relation to one end thereof, a rod secured to the smooth surface of the other end of the door member and around which said end of the door member



is wrapped to normally flex and curve the last named end portion of the door member in the direction of the smooth surface of said corrugated sheet.

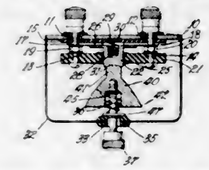
2,236,871
WASHING APPARATUS FOR CLOTHES
Erik Walfrid Eriksson, Rosenhill, Bjorklinge, Sweden
Application July 5, 1938, Serial No. 217,455
In Sweden July 15, 1937
1 Claim. (Cl. 68—51)



A washing machine comprising an outer cistern, an apertured support on the bottom of said outer cistern, an inner cylinder arranged upon said support at the bottom, a flange at the top of said inner cylinder abutting against the interior of said outer cistern, apertures in said flange, a cover over said outer cistern and inner cylinder, an aperture in said cover, a hollow support projecting upwardly from said cover and registering with said aperture therein, a hollow piston rod projecting through said support into said inner cylinder and terminating at the bottom in a piston, a packing ring on said piston contacting the interior of said inner cylinder, and a passage in the centre of said piston, a valve rod passing through said hollow piston rod, a valve member on the bottom end of said valve rod and abutting against said passage from underneath, a spring held within the top end of said piston rod and surrounding said valve rod, a stop member on the top of said valve rod, and means for reciprocating said piston in said inner cylinder.

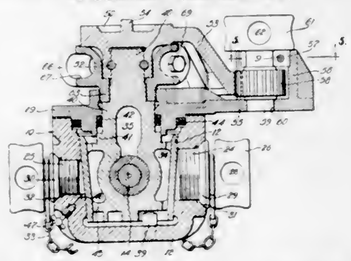
2,236,872
IMPACT SWITCH
Owen E. Grigsby, Park Ridge, Ill.
Application April 17, 1939, Serial No. 268,318
2 Claims. (Cl. 200—52)

1. An impact switch comprising a cup-shaped member and a detachable flat cover member cooperating to form a hollow enclosed chamber, a switch assembly mounted on one of said members, said switch assembly including stationary and movable contacts having open and closed positions and including a spring means for biasing said switch assembly to one of its two positions, said other member having an aperture opposite said spring means, a pin loosely mounted in said aperture, said pin having a knob on the outer end thereof and a weight on the inner end thereof, a coil spring around said pin between



said other member and weight for spring biasing said pin and weight to an innermost position in said chamber, said weight and spring means having interfitting surfaces whereby said switch may be set by pulling said pin outwardly against its spring to set the interfitting surfaces against each other, said pin bias being sufficiently strong to overcome the switch assembly spring bias and set the switch to its other position, said impact switch having sufficient stability to remain in this set position until a shock to the structure occurs whereupon the weight is deflected from its set position to release the switch assembly.

2,236,873
FLOW CONTROLLING DEVICE
Leland S. Hamer, Long Beach, Calif.
Application April 4, 1939, Serial No. 265,926
4 Claims. (Cl. 251—97)



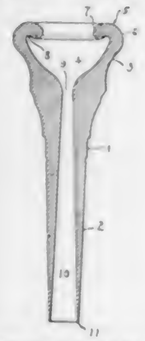
1. A flow controlling device comprising a body having a fluid passage, a tapered opening intersecting the passage and diametrically opposite lateral openings, a tapered plug having a transverse opening and turnable in the tapered opening, a removable bean in the transverse opening of the plug, a stem on the plug, a cap on the body having an opening passing the stem, a head on the stem, cooperating gear elements carried by the cap and the head for turning the plug between the position where the bean is aligned with the passage and a position where the plug closes the passage and the bean is aligned with the lateral openings for removal, a shoulder on the stem opposing the head, a nut threaded in the cap and cooperable with the head and shoulder to raise and lower the plug, the nut being split to be expansible, and a screw reacting between the split portions of the nut to expand the nut so that the nut may be set to urge the plug axially under a selected pressure.

2,236,874
SKI BINDING
Hjalmar Hvam, Portland, Oreg.
Application May 23, 1939, Serial No. 275,161
4 Claims. (Cl. 280—11.35)



1. A ski-binding comprising a swivel piece adapted for attachment to a ski, a plate slidably attached to the ski and fitted with foot securing means, means for securing said plate against lateral displacement, an oblique member swingably attached to the swivel piece and normally bearing against the forward end of said plate, and a retainer urging the skier's foot and said plate forwardly.

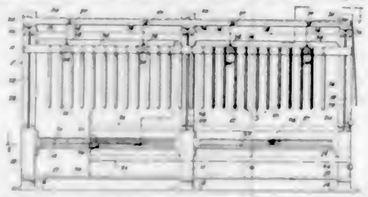
2,236,875
CUSHIONED AND VACUUM MOUTHPIECE FOR ALL BRASS MUSICAL INSTRUMENTS
Aaron S. Hulsaver, Brooklyn, N. Y.
Application November 23, 1940, Serial No. 366,798
5 Claims. (Cl. 84—398)



1. In a mouthpiece of the character described, a shank formed to provide a throat and an outlet passage, a bell with a rim formed on one end of said shank, a tone chamber within said bell connected with the said throat and said outlet passage having a thin tip, said tone chamber provided with a portion recessed up and under the said rim providing a partial vacuum means.

2,236,876
APPARATUS FOR ASSEMBLING VENETIAN BLINDS
Charles W. Jablon, New York, N. Y.
Application March 30, 1940, Serial No. 326,931
7 Claims. (Cl. 29—84)

1. An apparatus for assembling the components of a ladder tape Venetian blind structure, comprising in combination, means for holding the ladder tapes of a blind in extended position with its slat-receiving compartments in open disposition, a series of elongated guide members in spaced relation corresponding to the spacing of the compartments and insertable therein, means for holding the guide members in said spaced relation and for the insertion of same as a unit into the compartments of the ladder tapes, each guide member having guiding parts adapting same for receiving a slat to freely guide it into its respective compartment, and means for engaging the inserted slats and for retaining same



in alignment to permit threading of the operating cords for the blind through the thus aligned apertures of the slats.

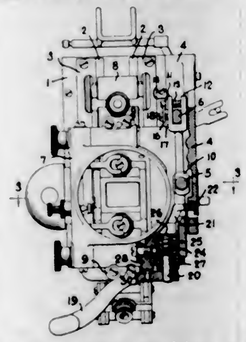
2,236,877
ROTATING GLIDER
James M. H. Jacobs, Dayton, Ohio
Application March 13, 1937, Serial No. 130,789
3 Claims. (Cl. 46—80)



1. A device of the type described comprising a fuselage member, a fin on the tail end of the latter, a wing member, a stamping secured to the inner end of said wing member, ears on said stamping at an angle thereto for engagement with the fuselage member, said ears formed with notches at a slight angle to the axis of the fuselage member, the latter having notches that register with the notches in said ears, a rubber band passing through the notches in said ears and the fuselage member, and elastic means connected between the nose part of the fuselage member and that part of the wing member at the rear of said ears, to draw the wing member away from the fuselage member while the latter ceases its forward flight, whereupon the wing member will rotate with the body member as a shaft to rotatively drift to the earth.

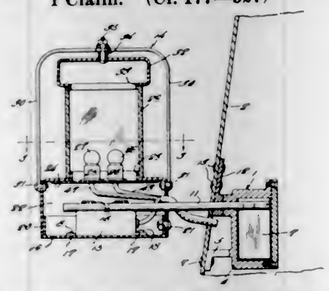
2,236,878
ACTUATING AND ADJUSTING MEANS FOR A FILM GATE ASSEMBLY
Albert Kindelmann, Floral Park, N. Y., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application August 5, 1938, Serial No. 223,194
14 Claims. (Cl. 88—17)

2. In a moving picture machine, a film trap, a film gate assembly movable toward or away from said film trap, two rods on which said assembly is slidable, said assembly being provided with two arms straddling one of said rods and means to move the free ends of said arms toward each other to cause said arms to engage the opposite sides of the rod which they straddle.



8. In a moving picture machine, a film gate assembly, a rod on which said assembly is slidable, a shaft journaled in said assembly, a lever secured to said shaft whereby said shaft may be partially rotated, a fixed rack and a segmental gear extending from said shaft and movable therewith, said gear and said lever extending in opposite directions from said shaft, said gear meshing with said rack whereby when the lever is operated the assembly will be moved longitudinally of said rod.

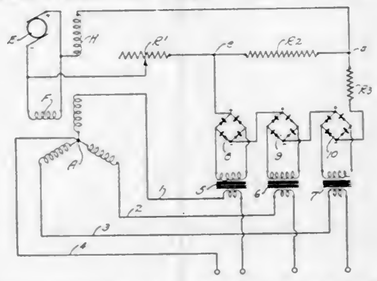
2,236,879
SIGNALING APPARATUS
Cyril Morris, New Rochelle, N. Y.
Application January 11, 1940, Serial No. 313,436
1 Claim. (Cl. 177—327)



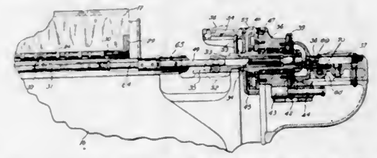
In apparatus of the class described, a motor, means to mount said motor in fixed position on an automobile body and including an oscillating rock shaft adapted to extend laterally from said body, an audible signaling unit carried by said shaft in underslung position to be oscillated thereby and act as a counterweight for said shaft, and a signal light casing mounted on said unit and extending above the shaft for wig-wagging said casing under oscillation of said shaft.

2,236,880
VOLTAGE REGULATOR
Oliver A. Perry, Los Angeles, Calif.
Application December 7, 1936, Serial No. 114,553
2 Claims. (Cl. 171—119)

1. An instantaneously starting and controlling voltage-regulator system for polyphase alternators having a separate exciter, which includes: a current transformer in each phase lead of said alternator; a full-wave "dry" type rectifier connected across the secondary of each of said transformers, the output of said rectifiers being connected in series; a resistance connected in series with said rectifier circuit; a second resistance connected in shunt across said rectifier-resistance circuit and connected in series with the field of said exciter, the output of said rectifier-resistance circuit being connected so as to boost the voltage normally supplied to said field; and a third resistance connected in series with said field, whereby said field excitation of said exciter may be manually controlled to control said alternator output voltage by controlling the field excitation of said alternator.



2,236,881
WORKTABLE POSITIONING MEANS
John M. Rusnak, West Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application July 20, 1938, Serial No. 220,296
5 Claims. (Cl. 33—181)



1. Positioning means for the table of a machine tool comprising in combination, a support, a table movable thereon having abutments spaced equally in the direction of its movement, a micrometer on said support having its spindle parallel to the direction of movement of said table, a rod within said support connected to the spindle of said micrometer and having a projection at one end thereof, means to oscillate said rod to move said projection into and out of abutment engaging position, and means to vary the axial adjustment between the micrometer spindle and the projection.

2,236,882
TUBE SUPPORT
Heinrich Vorkauf, Berlin, Germany, assignor to The La Mont Corporation, New York, N. Y.
Application September 26, 1939, Serial No. 296,528
In Germany September 30, 1938
3 Claims. (Cl. 248—68)

1. A hanger for suspending tubes arranged in a vertical row from tubes above comprising; a plurality of metallic strap-like members positioned at corresponding locations axially of the tubes and disposed in alternation at opposite sides of the plane including the tube axes, each member having end portions extending from the body portion thereof transversely of and freely en-

gaging the upper side of one tube and the underside of the tube next below; and means con-



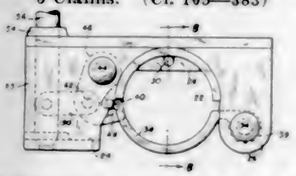
necting the end portions of each member to the body portions of the adjacent members.

2,236,883

STAKE POCKET

William J. Vigue, Orofino, Idaho, assignor of one-fourth to Charles E. Lashly and one-fourth to Herman A. Stone, both of Orofino, Idaho

Application April 15, 1940, Serial No. 329,596
6 Claims. (Cl. 105—383)



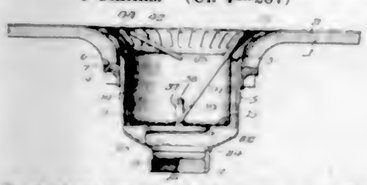
1. A stake pocket comprising a mounting plate having thereon a concave seat, a pair of pivot ears, and a U-shaped latch enclosing strap; a clamp strap pivotally supported in said pivot ears and closing said concave seat to form a stake receiving pocket; a latch pivot pin supported in the upper and lower arms of the U-shaped latch enclosing strap and supporting thereon a latch jaw cooperable with the free edge of said clamp strap to hold said clamp strap in closed position against said concave seat; a bolt slidably supported in said mounting plate and seated on said U-shaped strap when the bolt is in the locked position; and a connector link pivotally connected to said bolt and said latch jaw.

2,236,884

SINK STRAINER AND STOPPER AND THE LIKE

Roy H. Zinkil, Oak Park, and Eugene W. Marchand, Jr., Maywood, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application June 17, 1938, Serial No. 214,200
6 Claims. (Cl. 4—287)



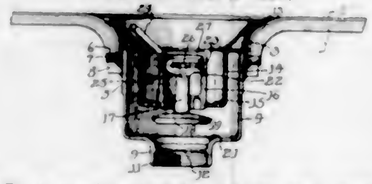
1. In a sink strainer and stopper including a hollow spud member and a cupped strainer adapted to be positioned within the drain opening of a sink or the like, a reciprocably operable plug for the said drain opening, the said hollow spud member providing a seat for the said plug, a pivotable operating handle engageable with the said plug, the said handle being formed integrally of a wire-like material, one end portion thereof being shaped for suitable manipulation of the said handle during pivotal movement, the opposite end of the handle having spaced apart offset portions journaled within the said plug.

2,236,885

SINK STRAINER AND STOPPER AND THE LIKE

Roy H. Zinkil, Oak Park, and Eugene W. Marchand, Jr., Maywood, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Original application June 17, 1938, Serial No. 214,200. Divided and this application July 3, 1939, Serial No. 282,716
2 Claims. (Cl. 4—287)



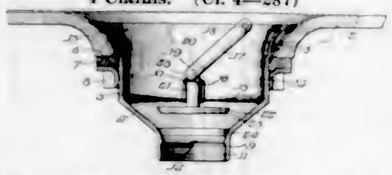
1. In a combined sink strainer and plug arrangement, a hollow member secured within the drain opening of a sink or the like, a plug serving as a shut-off for the said drain opening and seating in the lower end of the said hollow member, an upwardly concave strainer member removably positioned above the said plug within the said hollow member, a plug actuating handle pivotably mounted upon an upwardly projecting portion of the said strainer and extending through the said projecting portion, the said plug having extensions cooperating with the end portions of the said handle, whereby pivotal movement of the said handle causes the said plug member to act against a seating surface in the said hollow member.

2,236,886

SINK STRAINER AND STOPPER AND THE LIKE

Roy H. Zinkil, Oak Park, and Eugene W. Marchand, Jr., Maywood, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Original application June 17, 1938, Serial No. 214,200. Divided and this application October 14, 1939, Serial No. 299,516
4 Claims. (Cl. 4—287)



1. In a combined sink strainer and stopper arrangement, a tubular member secured within the drain opening of a sink or the like, a stopper serving as a shut-off for the said drain opening and seating in the lower end of the said tubular member, a substantially cylindrically formed strainer adapted to be positioned loosely within the said tubular member, an actuating handle for the said stopper member, guide means for the stopper projecting upwardly within the

strainer, said handle being pivotally movable upon an upper portion of the said guide means, whereby upon pivotable movement of the said handle to a position in substantial axial alignment with said guide means the said stopper member is rendered reciprocably movable relative to the said strainer.

2,236,887

SUBMERGIBLE DEEP WELL PUMP

Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware

Application March 28, 1938, Serial No. 198,381
4 Claims. (Cl. 103—87)



2. In a submergible deep well pump assembly adapted to pump fluid from the bottom of a well through eduction tubing, a motor having a housing and a motor shaft, a gland for said motor shaft, a lubricant reservoir, means providing communication between lubricant in said reservoir and said gland, a piston within said reservoir, a spring behind said piston adapted to urge lubricant from said reservoir into said gland, said motor housing and said reservoir being positioned within and spaced from a casing to form an annular passageway therewith, means in said lubricant reservoir providing communication between said passageway and the space behind said piston, a centrifugal pump below said lubricant reservoir, said centrifugal pump having a shaft, means connecting said shaft with said motor shaft, said pump having an intake port adjacent its lower end and a discharge port, said discharge port communicating with said annular passageway, and means providing communication between said annular passageway and said eduction tubing.

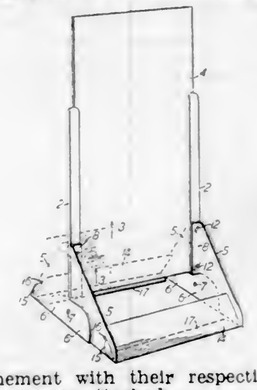
2,236,888

TWO-WAY DISPLAY STANDARD

Robert B. Bishop, Wilmette, Ill., assignor to Bishop Publishing Company, Chicago, Ill.

Application April 6, 1940, Serial No. 328,310
5 Claims. (Cl. 40—152.1)

1. A display standard including parallel uprights for holding a display card, a base for said uprights comprising upright end members of sheet material, each comprising a pair of mutually overlapping elements, each bent to form a flange, said flanges being disposed in spaced relation to embrace an adjacent one of the uprights, and means attaching overlapped portions of said elements to each other and permitting relative movement thereof so that said flanges may pass clear of each other when turned



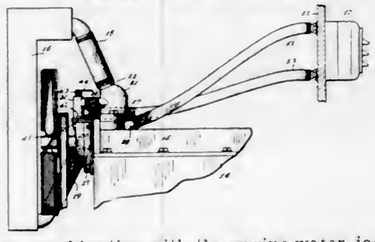
into alinement with their respective elements while they are so attached.

2,236,889

AUTOMOBILE HEATING SYSTEM

Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application June 9, 1938, Serial No. 212,646
7 Claims. (Cl. 237—12.3)



7. In combination with the engine water-jacket and radiator of an automobile, a housing disposed to receive water from said water-jacket, said housing having an outlet connected to said radiator, a temperature responsive valve for preventing escape of water through said outlet, said valve being responsive to the temperature of water in said water-jacket, a hollow spacing member interposed between said water-jacket and said housing and communicating with both, an automobile-body heater, water-supply and water-return conduits therefor, a pump having its inlet connected to said radiator and its outlet connected to said water-jacket, said water-supply conduit being connected to the interior of said spacing member, said housing having an auxiliary outlet opening, a three-way valve housing mounted upon said pump and having three ports connected respectively to said auxiliary outlet opening, to said water-return conduit, and to the inlet of said pump, and a movable manually controlled valve-member mounted within said three-way valve housing for alternatively connecting either of said first two ports to the third port.

2,236,890

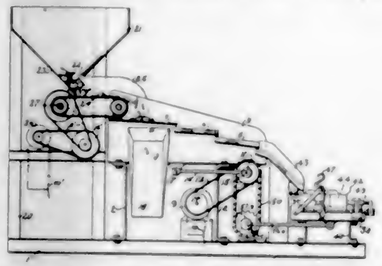
SAGGER PIN BOXING MACHINE

Ralph Bower, Bowerston, Lewis P. Reese, Scio, and Albert John Wahl, Bowerston, Ohio; said Reese assignor to said Bower and said Wahl

Application December 21, 1936, Serial No. 116,932
9 Claims. (Cl. 226—2)

1. In the manufacture of potteryware, a sagger

pin boxing machine having a shaker frame, means for vibrating said frame, a plurality of inclined channelled members arranged in longitudinal alignment but in stepped relation with the ends thereof overlapping supported by said frame, a pin box support, means for locking pin boxes thereon, a hopper juxtaposed relative to said channeled



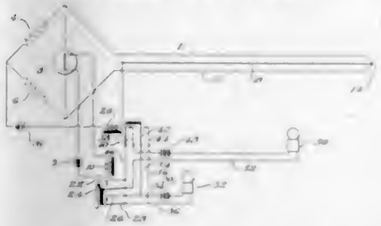
members, a belt pin feeder for travelling pins onto said channeled members the discharge end of said belt being elevated relative to said channeled members and arranged to feed directly onto said channeled portion thereof from an elevated position, said pins being shaken into the valleys of the channels by the vibration of said members and means for vibrating said pin box support.

2,236,891

FIRE ALARM SYSTEM

Frank R. Bridges, Needham, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts

Application July 17, 1937, Serial No. 154,278
9 Claims. (Cl. 177—355)



1. An automatic fire alarm system comprising means responsive to rate of temperature rise, means responsive to a predetermined high temperature, separate relays operated by said means, a local alarm circuit including contacts of both of said relays in parallel, and a master alarm circuit controlled by contacts of said relays in series.

2,236,892

MILK FILTER PAD

Frank C. Broeman, Cincinnati, Ohio, assignor to The Stearns & Foster Company, Lockland, Ohio, a corporation of Ohio

No Drawing. Application January 10, 1938, Serial No. 184,248
6 Claims. (Cl. 210—204)

1. A filtering membrane adapted for filtering milk, comprising, a thin layer of carded cotton fibers covered discontinuously on a side with an edible organic sugar which is freely soluble in milk at room temperature, the said sugar acting as an adhesive and adapted to impart to the membrane the structural stability requisite for withstanding the passage of milk therethrough without decreasing the permeability of the membrane.

2,236,893

RADIANT ENERGY DISTANCE DETERMINING SYSTEM

Joseph G. Chaffee, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1939, Serial No. 311,723
11 Claims. (Cl. 250—1)



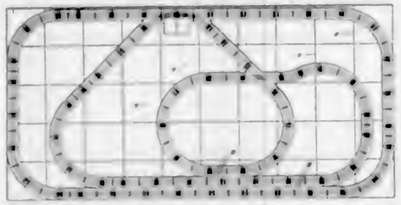
1. The method of determining the distance between an object and a reflecting surface which comprises the steps of generating on said object a radio frequency carrier wave modulated in frequency at a relatively low frequency rate, directively radiating the modulated wave so that it is reflected back to said object from said surface, receiving the reflected wave on said object, producing on said object a heterodyne wave modulated in frequency synchronously with and to the same degree as the radiated wave, combining the received reflected wave with the heterodyne wave to produce a different frequency wave, and utilizing the frequency variation of the said difference frequency wave to obtain an indication of the distance between said object and said surface.

2,236,894

MEANS FOR DETERMINING MINIATURE RAILROAD TRACK LAYOUT

Charles Yardley Chittick, Waban, Mass.

Application June 13, 1940, Serial No. 340,249
8 Claims. (Cl. 35—7)



1. The combination of a board ruled to a selected scale and a plurality of pieces representing miniature railroad track cut to the same scale as to their effective longitudinal dimensions but wider as to their lateral dimension, the total excess of width of each piece over the scaled width of the track being at least as much as the scaled clearance necessary between parallel positioned track to permit the free passage of trains that may be positioned thereon.

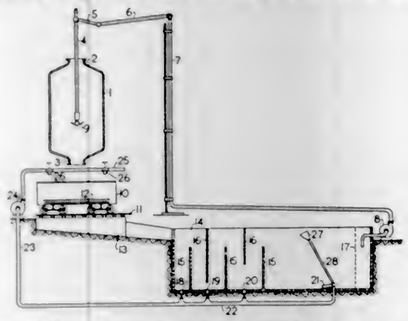
2,236,895

HYDRAULIC DISRUPTION OF SOLIDS

William Frederick Court, Webster Groves, Mo., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 4, 1938, Serial No. 238,848
5 Claims. (Cl. 210—44)

1. A process for clarifying a slurry of liquid containing suspended fines, produced by disrupting a body of solid material in a container into pieces by means of a water jet, comprising the steps of accumulating disrupted solids in a bed, flowing said slurry through a sedimentation zone, withdrawing liquid substantially freed from sus-



pended fines from said zone, withdrawing a concentrated slurry of fines from said zone, and flowing said concentrated slurry through said bed.

2,236,896

LUBRICATING OIL

Lloyd L. Davis, Bert H. Lincoln, and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application September 19, 1938, Serial No. 230,660
13 Claims. (Cl. 252—52)

1. A lubricating oil having a viscosity index of over 90 comprising principally an ether of the type ROR′ where R is a high molecular weight aliphatic radical having at least 13 carbon atoms and R′ is an organic radical containing at least one cyclic nucleus.

2,236,897

LUBRICATING OIL

Lloyd L. Davis, Bert H. Lincoln, and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application April 18, 1940, Serial No. 330,370
13 Claims. (Cl. 252—45)

1. A lubricating oil having a viscosity index of over 90, comprising principally an ether of the type RXR′ where R is a high molecular weight aliphatic radical having at least 13 carbon atoms, R′ is an organic radical containing at least one cyclic nucleus, and X is an atom of an element selected from the right-hand side of group VI of the periodic table.

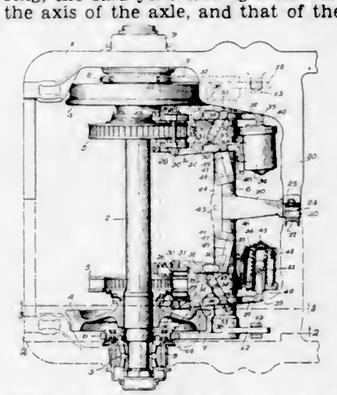
2,236,898

BRAKE MECHANISM

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 29, 1939, Serial No. 270,750
16 Claims. (Cl. 188—153)

1. A brake mechanism comprising a wheel and axle, a brake ring connected therewith, brake shoes in cooperative relation with the opposite faces of the said ring, a brake yoke pivotally supported about the axis of the axle, means for preventing the yoke from turning about the said axis, and pressure-fluid actuated mechanism carried by the brake yoke, comprising two members movable in opposite directions, and connected one to each brake shoe, whereby fluid pressure will cause both brake shoes to engage the said brake ring, the said yoke having a tubular cross piece, the axis of the axle, and that of the cross



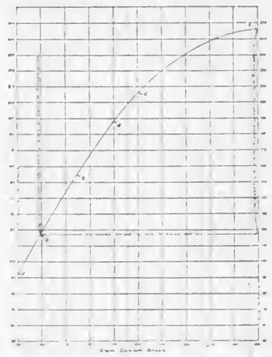
piece being in the same plane, but the axis of the fluid-pressure actuated mechanism being located to one side of the said plane.

2,236,899

ALLOY

Erich Fetz, Newark, N. J., assignor to Wilbur B. Driver Co., Newark, N. J., a corporation of New Jersey

Application February 17, 1939, Serial No. 256,966
4 Claims. (Cl. 75—171)



1. A nickel chromium alloy containing 0.34% of a metal of the alkaline earth group, approximately 0.01% of boron, approximately 20% of chromium, the balance nickel.

2,236,900

RECONSTITUTED FELT AND MANUFACTURE OF SAME

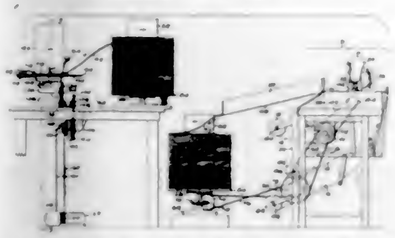
Harold W. Greider, Wyoming, and Marion F. Smith, Cincinnati, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio

No Drawing. Application September 6, 1935, Serial No. 39,499
8 Claims. (Cl. 92—21)

1. A process for reconstituting thermoplastic substance treated fabrics into a felted sheet comprising subjecting thermoplastic substance treated fabrics containing granular mineral material to a disintegrating operation in the presence of an aqueous liquid for disintegrating

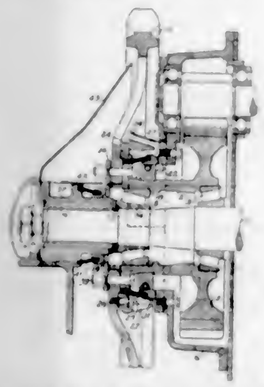
same into a pulp stock with the mineral material and with the thermoplastic substance dispersed therethrough, and felting the pulp stock including the mineral material into a sheet.

2,236,901
MEANS FOR ASSEMBLING ELEMENTS OF A BUFFING WHEEL
Elisha W. Hall, Scituate, Mass.
Original application May 5, 1937, Serial No. 140,899. Divided and this application October 9, 1937, Serial No. 168,241
5 Claims. (Cl. 154—1)



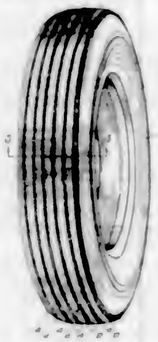
5. Apparatus for use in helically coiling a strip and securing the convolutions to one another, the same comprising, in combination, a rotatable element to support the strip while it is being coiled, means to secure one end of the strip to said element so that rotation of the latter shall coil said strip, and means for operating upon the strip to cause each succeeding convolution to be secured to the next preceding convolution, the last-named means including an instrumentality to deliver adhesive to the strip as the latter is being coiled.

2,236,902
RESILIENT SEAL
Theodore A. Haller and John A. Miner, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 7, 1938, Serial No. 244,378
5 Claims. (Cl. 286—11)



1. In a seal for the joint between relatively moving parts, a straight relatively stiff tube mounted at one end on one of the parts and extending toward the other part, a ring attached to the free end of said tube and held thereby in contact with the other part, the one part and said ring being grooved for direct reception of the ends of said tube, a divided ring mounted on the one part, and a spring mounted on and retaining the portions of said divided ring in position, said attached ring being concentrically mounted on and axially guided by said divided ring.

2,236,903
TIRE CONSTRUCTION
James E. Hale, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 11, 1937, Serial No. 158,529
2 Claims. (Cl. 152—209)



1. A tire construction comprising a tread portion formed with a plurality of parallel endless circumferential ribs defining intervening circumferential grooves, the lateral faces of said ribs being uniformly and continuously serrated throughout, the width of said serrations being small as compared to the mean width of said ribs.

2,236,904
SURFACE ORNAMENTATION
Henry M. Hendrickson, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application February 29, 1940, Serial No. 321,453
14 Claims. (Cl. 41—34)



14. That process of ornamenting the surfaces of a receptacle which includes the following steps: applying flatwise to surfaces of said receptacle a series of ornamental elements each of strip-like form and each consisting of a raised portion and laterally extending flanges, and also similarly applying to corners or meeting edges of the receptacle, similar ornamental elements but having their flanges at substantially right angles to each other for application to the respective meeting surfaces, securing said flanges to the surface of the receptacle, and adhesively securing to the other portions of the surfaces of said receptacle and to the tops of said flanges a flexable outer covering from which portions of the material thereof have been removed that in shape and extent equal the said raised portions, so that, when applied, the surfaces of the receptacle are entirely covered conjointly by the said ornamental elements and the said flexible covering.

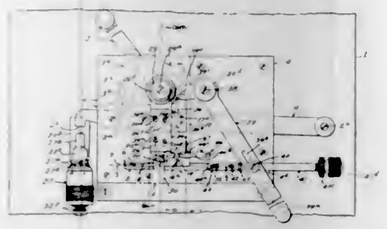
2,236,905
REACTIVATION OF NITRATION REACTION VESSELS
Edward B. Hodge, Terre Haute, Ind., and Lloyd C. Swallen, Pekin, Ill., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Delaware
No Drawing. Application May 6, 1939, Serial No. 272,152
11 Claims. (Cl. 260—644)

1. The process of reactivating a reaction vessel which has become deactivated during the vapor phase nitration of saturated hydrocarbons therein, which comprises treating the interior surfaces of the deactivated reaction vessel at a temperature above 100° C. with an agent selected from the group consisting of alkali metal and alkaline earth metal compounds which are active to decrease the reaction-inhibiting characteristics of the deactivated vessel walls.

2,236,906
REACTIVATION OF NITRATION REACTION VESSELS
Edward B. Hodge, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application May 6, 1939, Serial No. 272,153
4 Claims. (Cl. 260—644)

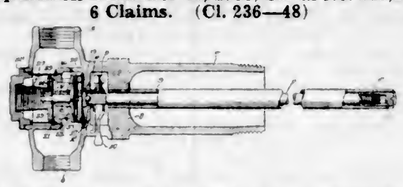
1. The process of reactivating a reaction vessel which has become deactivated during vapor phase nitration of saturated hydrocarbons therein, which comprises treating the interior surfaces of such reaction vessel, at a temperature above 225° C., with a metal salt selected from the group consisting of copper sulfate, silver nitrate, beryllium sulfate, magnesium nitrate, magnesium sulfite, magnesium chloride, zinc nitrate, zinc chloride, cadmium nitrate, cadmium acetate, aluminum sulfate, thallium nitrate, cerium nitrate, thorium nitrate, stannous chloride, lead nitrate, lead chloride, and uranyl nitrate.

2,236,907
HAIRSPRING BENDING APPARATUS
Walter Hoffsommer, Astoria, N. Y.
Application November 10, 1939, Serial No. 303,753
14 Claims. (Cl. 153—64)



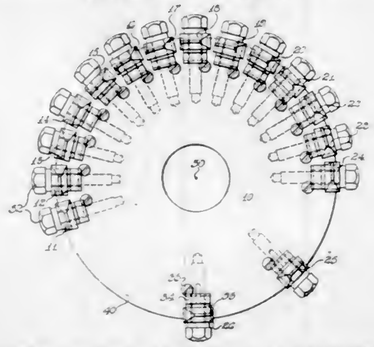
1. In a hairspring bending machine having a base, and thereon means for rotatably supporting a coiled hairspring having a free end, means for measuring a partial uncoiled portion of said free end and for holding said portion uncoiled, fixed means intermediate said measuring means and said supporting means for holding said portion against transverse movement, and movable means for engaging a section of said portion adjacent said fixed means and bending said hairspring transversely in order to produce an offset.

2,236,908
MOVEMENT AMPLIFYING SNAP ACTION THERMOSTAT
Wilbur Jackson, Lynwood, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California
Application December 12, 1938, Serial No. 245,135
6 Claims. (Cl. 236—48)



1. In a thermostatic device, the combination of a pair of annular fulcrum rings, a plurality of levers fulcrumed between said rings, a clicker disk fulcrumed at its peripheral margin against one of said rings, a thrust member engaging the central portion of the disk and the levers intermediate their ends, means for actuating the disk, and a member operable by said levers.

2,236,909
METHOD AND APPARATUS FOR CUTTING GEARS
Magnus H. Johanson, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 19, 1939, Serial No. 279,779
6 Claims. (Cl. 90—4)



1. The method of cutting a longitudinally curved tooth gear which comprises employing a face-mill gear cutter which has a plurality of cutting blades arranged part-way only around its periphery with a gap between the last and first blades, rotating the cutter in engagement with a gear blank while producing a relative depthwise feed movement of the cutter into the blank, and withdrawing the cutter to initial position and indexing the blank when the gap in the cutter is abreast of the blank.

2,236,910
SYNTHETIC LUBRICANT
Bert H. Lincoln, Gordon D. Byrkit, and Waldo L. Steiner, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application July 11, 1938, Serial No. 218,630
18 Claims. (Cl. 252—44)

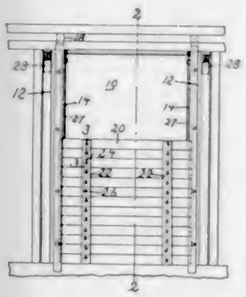
1. A lubricant comprising a major proportion

of an oil of lubricating viscosity and a minor proportion of an organo-metallic compound containing more than one metallic atom but no metal-to-metal bonds.

2,236,911
COATED GLASS ARTICLES AND A METHOD OF MANUFACTURING THE SAME
Bernard Long, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
No Drawing. Application July 2, 1934, Serial No. 733,454. In France July 17, 1933
2 Claims. (Cl. 49—81)

2. The method of coating a glass article with a metallic substance, said method comprising the step of depositing the metallic substance upon at least a part of a surface of the glass article while the glass article is in a tempered state and while the temperature of the glass article ranges between 400° C. and 200° C.

2,236,912
CAR DOOR CONSTRUCTION
Joseph Lukaszewski, Hammond, Ind.
Application June 9, 1939, Serial No. 278,193
1 Claim. (Cl. 20—32)



In a car door construction, a door opening, a door post on each side of said opening, guide and supporting means on each post for operably receiving a vertical lift closure member, said guide means including a vertical groove on each side of said door opening, the upper part of each groove being expanded to the inner edge of each door post, and a closure member operably associated with said guide and supporting members, said closure member comprising a plurality of boards in edge to edge relation, a slotted flexible member joining said boards together, each of said joined boards being independently movable a limited distance in a vertical direction in respect to said other boards and said slotted flexible joining member.

2,236,913
WELDING PATCH CLAMP
Patterson D. Merrill, South Bend, Ind., assignor to M. B. Skinner Co., South Bend, Ind.
Application November 17, 1937, Serial No. 175,082
6 Claims. (Cl. 138—99)

1. The combination with a clamp adapted to extend partially around a pipe in spaced relation thereto, spaced offset transverse flanges carried by one end of said clamp to hold said pipe spaced from said clamp end, a shaft threaded in the other end of said clamp, of a patch plate adapted to seat on and be welded to said pipe, and means for detachably locking said

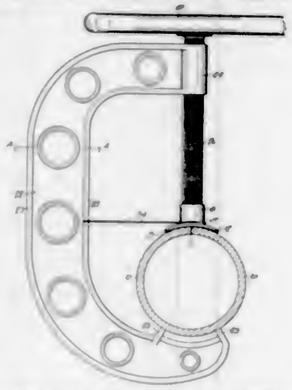
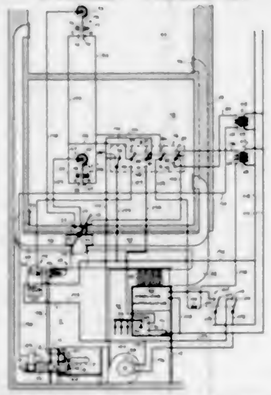


plate on said shaft and for journaling said plate on said shaft.

2,236,914
TEMPERATURE CONTROL SYSTEM
Clarence W. Nessell, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 17, 1939, Serial No. 256,948
8 Claims. (Cl. 257—3)



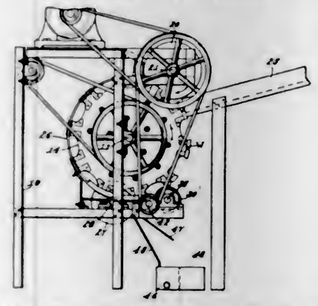
1. In a summer-winter air conditioning system, air heating and cooling means, means for circulating the air treated by said means to a space whose condition is to be controlled, a thermostat responsive to the temperature of the space, a changeover device movable between a summer and a winter position, means including said thermostat for causing operation of said heating means when said changeover device is in its winter position whenever the temperature of the space falls below a predetermined value and for causing operation of said cooling means when said changeover device is in its summer position whenever the temperature of the space rises above a predetermined value, and means responsive to said changeover device to cause said circulating means to produce a smaller flow of air when said device is in its winter position than when said device is in its summer position.

8. In a warm air heating system, a warm air furnace, a pair of zones, means for conveying the heated air to said zones, a thermostat in each of said zones responsive to the temperature in that zone, and means manually operable to direct all of the heated air to either zone and simultaneously to place the thermostat in said zone in control of the furnace, said manual means also being operable to divide the heated air between said zones and simultaneously to place the thermostat in a predetermined zone in control of the furnace.

2,236,915
LUBRICATING COMPOSITION
Fred Norton, Findlay, Ohio, assignor to The Ohio Oil Company, Findlay, Ohio, a corporation of Ohio
No Drawing. Application March 10, 1938, Serial No. 195,157
2 Claims. (Cl. 252—54)

1. A lubricating composition comprising lubricating oil, approximately 3% thereof or less of an additive substance containing phosphorus for maintaining the lubricating property of said oil under high pressure, and approximately one or two percent or less of ethylene dichloride.

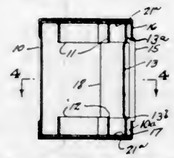
2,236,916
FRUIT SEGMENTER AND JUICER
Ralph Polk, Sr., Tampa, and Ralph Polk, Jr., Haines City, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership
Application October 23, 1936, Serial No. 107,208
25 Claims. (Cl. 146—3)



1. Means for extracting juice from segments of citrus fruits, comprising a forwarding roll having a skin-engaging circumferential groove the bottom of which lies between its mouth and the axis of rotation of the roll and capable of abutting a segment skin as to its external arc against substantial disruption of oil cells of the fruit skin and of feeding a fruit segment tangentially, a burr-roll having a pulp-engaging periphery axially arched mounted adjacent the forwarding roll and rotating within the groove thereof, and means for rotating said rolls in opposite directions, the burr-roll at greater peripheral speed than the forwarding roll, whereby a fruit segment of substantially less than 180° included angle may be projected polarwise between the two rolls and the juice rubbed therefrom progressively without substantial disruption of the oil cells of the skin.

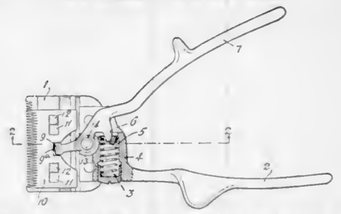
2,236,917
FILM SPOOL MAGAZINE FOR ROLL FILM PHOTOGRAPHIC CAMERAS
Gordon B. Pollock, Los Angeles, Calif.
Application August 12, 1935, Serial No. 35,801
Renewed July 27, 1939
7 Claims. (Cl. 242—71)

2. In a device of the character described, a tube comprising a substantially cylindrical wall having its ends overlapped, closure plates for the ends of said tube, the middle portion of the innerlapped portion being indented to provide a narrow passage for the insertion of film, a strip adjacent each edge of the inside of the outer lapped portion of said wall forming a channel between the lapped portions of the wall intermediate said strips, said strips extending spirally into said tube so as to spool film inserted through said channel.



6. In a cassette, members defining an enclosed space for film, a light trap permitting entrance and exit of film therethrough without fogging film within said cassette, and at least one finger in said cassette shaped to an arc of relatively small radius and adapted to curl an initial convolution of film forced into said cassette through said light trap, and to be displaced by additional convolutions, said finger being of non-resilient metal, whereby said displacement is permanent, and whereby said cassette having once been used for the reception of exposed film, is not adapted for re-use.

2,236,918
HAIR CLIPPER
Joseph K. Priest, Nashua, N. H., assignor to American Shearer Mfg. Co., Nashua, N. H., a corporation of New Hampshire
Application August 3, 1940, Serial No. 350,457
5 Claims. (Cl. 30—214)



1. A hair clipper comprising a lower toothed cutting bar, a knife bar provided with corresponding teeth movable laterally upon the lower cutting bar and a tension cap having a forward, under-edge portion in engagement with the upper surface of the knife bar, a fulcrum intermediate the forward and rearward end portions of the cap and a tension-controlling element arranged to raise the rear portion of the cap and to cause the same to rock on the said fulcrum and thereby forcibly to apply pressure through the forward under-edge portion of the cap against the top surface of the upper knife bar.

2,236,919
PROCESS FOR THE PRODUCTION OF POLYHYDRIC ALCOHOLS AND DERIVATIVES THEREOF
Arthur Ferdinand August Reynhart, Beverwijk, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 21, 1938, Serial No. 241,638. In the Netherlands December 17, 1937
16 Claims. (Cl. 260—635)

1. A process for the production of ethylene

glycol which comprises reacting ethylene oxide with water at a temperature of from about 50° C. to about 100° C. and under a pressure sufficiently high to insure the presence of a liquid phase in the reaction system in the presence of an organic iron compound formed in situ by the action of at least one of the organic components of the reaction system on iron contact elements provided therein.

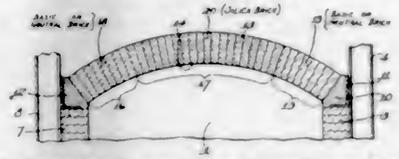
2,236,920

OPEN HEARTH FURNACE ROOF

Hugh S. Robertson, Coraopolis, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 10, 1939, Serial No. 255,601

5 Claims. (Cl. 110—99)



1. In a basic open hearth steel furnace, a sprung arch roof having a section of the refractory arch built from silica brick and having at least one shoulder segment of the refractory arch exposed to the interior of the furnace having its full vertical cross section built from non-acidic brick which sustain the usual stresses in this portion of the arch and are resistant to material corrosion attack by dust particles in the furnace atmospheres.

2,236,921

PROCESS FOR THE MANUFACTURE OF THERAPEUTICALLY VALUABLE COMPOUNDS OF KERATIN DEGRADATION PRODUCTS

Karl Schöllkopf, Berlin-Dahlem, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application December 21, 1937, Serial No. 180,944. In Germany December 23, 1936

26 Claims. (Cl. 260—113)

1. Process for the manufacture of alkaline earth metal salts of gold keratinic acids, such as may be obtained by the degradation of keratins followed by interaction with a gold salt and neutralization with a basic reacting alkali metal compound, comprising reacting said alkali metal salts of the gold keratinic acids with a water soluble salt of and alkaline earth metal.

7. An alkaline earth metal salt of the reduced hydrolyzation products of a keratinous material.

2,236,922

PIVOTED HANDLE

Frederick A. Schutt, Cleveland, Ohio, assignor to The Dickey-Grabler Company, Cleveland, Ohio, a corporation of Ohio

Application August 5, 1939, Serial No. 288,639

3 Claims. (Cl. 16—112)



1. In a handle, the combination of an arm which, adjacent its upper end, is of channel formation and is extended laterally in the direction of its open side to form an elbow, the arm having fingers projecting from its edge below and in spaced relation to the lower edges of the elbow, and a mounting plate having an opening into which the elbow is inserted and on whose lower edge the elbow fulcrums when the outer end of the arm is swung upwardly, said plate having also an aperture below said opening in which each of said fingers is inserted, each finger engaging the lower side of said aperture and being deformed thereby when the outer end of the arm is first swung upwardly so as to thus pivotally connect the arm to the plate, portions of the sides of the elbow adjacent their lower edges being laterally offset to provide depressions, with the fingers overlapping the offset portions of the sides of the elbow without being diverted from their original plane.

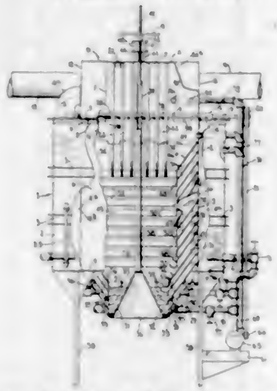
2,236,923

AIR CLEANING APPARATUS

Richard M. Smith, Detroit, Mich., assignor of one-half to Herbert A. Stevenson, Detroit, Mich.

Application December 29, 1937, Serial No. 182,311

9 Claims. (Cl. 261—7)



1. In an apparatus of the character described, a container having a space for liquid, said container having an inlet and an outlet for air, said inlet and said outlet being above the highest level of liquid in said space, means to intercept solid foreign matter in the air admitted to said container through said inlet, said means acting to deposit the solid matter in the liquid in said space, means within said space operable to separate the liquid from said solid matter, said last-named means comprising a plurality of overlying vertically spaced plate members extending along the inner wall of said container, said plate members extending downward and inward from the container wall, and means to withdraw substantially all of the separated liquid from said space so that the foreign matter substantially devoid of liquid can be removed from said space.

2,236,924

OIL BURNING APPARATUS

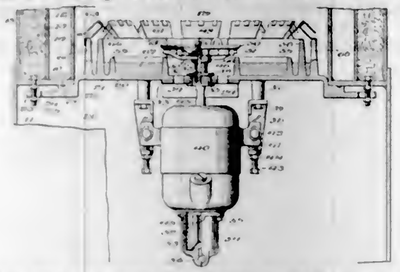
William J. Smith and William W. Slaght, Rocky River, Ohio, assignors to Cleveland Steel Products Corp., Cleveland, Ohio, a corporation of Ohio

Application September 25, 1939, Serial No. 296,508

3 Claims. (Cl. 158—4)

1. In an oil burning apparatus of the wall flame

type having a combustion chamber provided with an upright wall, and a hearth member forming the bottom of said combustion chamber and having an annular vaporizing wall associated therewith in continuously spaced relation with respect to said upright wall, a plurality of deflecting members disposed above said vaporizing wall and extending inwardly beyond said vaporizing



wall, and independent means situated outwardly of said vaporizing wall in the space between said latter wall and said upright wall for supporting said deflecting members in spaced relation above said vaporizing wall whereby to provide a completely unobstructed space between said vaporizing wall and said deflecting members.

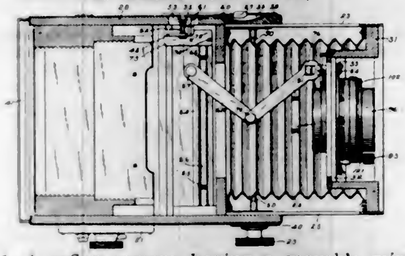
2,236,925

AUTOMATIC DIAPHRAGM ADJUSTING MECHANISM FOR PHOTOGRAPHIC CAMERAS

Oscar Steiner, Irondequoit, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application January 12, 1940, Serial No. 313,534

11 Claims. (Cl. 95—42)



1. A reflex camera having a movable mirror and a movable front, a lens board carried by said movable front and readily removable therefrom, said board having a lens barrel and its lens carried thereby, so that the lens board with its lens barrel and lens may be removed as a unit from said movable front, said lens barrel having a diaphragm provided with means whereby it may be widely opened for focusing and be automatically stopped down to any predetermined smaller opening just prior to exposure, and a train of diaphragm-release mechanism partly mounted in the camera casing structure and partly mounted directly on the lens board itself, so as to be distinct from the lens barrel mounting, such train-parts being readily separable from each other in the act of removing the said lens board, without change of adjustment, thereby permitting quick removal of the lens board with all the parts of the said diaphragm-release mechanism train that are mounted on said removable lens-board, said train comprising a mirror release means on the camera structure casing, a collapsible lever pivotally mounted on the camera structure casing having one arm engaging the mirror release means and the other arm engaging the diaphragm release means which are mounted on the lens board, the diaphragm release means having means for urging it into engagement with the lever, said lever having guiding means mounted on the movable front of the camera structure for holding the lever in a position to be engaged.

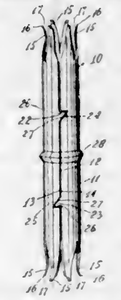
2,236,926

DOWEL

Ohlen C. Surface, Fenwick, W. Va.

Application February 17, 1938, Serial No. 190,893

4 Claims. (Cl. 20—94)



1. A metal dowel comprising a tube open at both ends, a longitudinal slit extending the full length of the tube, said tube having its end portions formed with integral prongs extending longitudinally of the tube and tapered toward their outer ends, free ends of the prongs being curved outwardly to provide flared ends, the body portion of the tube at one side of the slit being formed with a recess having a sloping side edge extending diagonally of the tube and an abrupt edge extending circumferentially of the tube, and a locking tongue for preventing longitudinal distortion of the tubular dowel extending circumferentially of the tube from the portion of the tube at the other side of the slit into said recess and having a diagonally extending edge confronting the diagonal edge of the recess and an abrupt front edge confronting the abrupt edge of the recess for engagement therewith to brace the tube against longitudinal distortion.

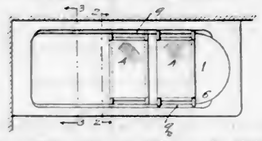
2,236,927

COMBINATION BATHTUB AND SEAT

Joseph L. Thomas, St. Louis, Mo.

Application September 7, 1939, Serial No. 293,743

2 Claims. (Cl. 4—185)



1. The combination with a bathtub having multiple grooves substantially its full length on each inner face forming supporting shoulders at varied heights and having curved entrance portions blending from said inner face into the grooves, of a fabric-covered rigid metal frame forming a seat having end prongs integral with the frame adapted to pass said entrance portions to rest on said shoulders at respective heights

in any adjusted position in the length of the tub, whereby said seat can be disposed at substantially any point lengthwise of the tub as required and at each of said varied heights as desired, and support the weight of the user in each adjusted position of the seat.

2,236,928

PROCESS OF SEPARATING THIOPHENOLS FROM ALKYL PHENOLS

Samuel Benson Thomas, Oakland, and Ben H. Cummings, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 14, 1940, Serial No. 356,824
8 Claims. (Cl. 260—609)

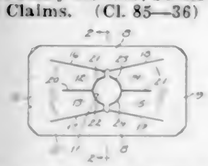
1. In the process of separating a mixture of phenols containing substantial amounts of thiophenols to produce an alkyl phenol fraction of low hydrosulfide sulfur content and a thiophenol fraction consisting predominantly of thiophenols, the steps comprising extracting said mixture in the presence of cyclohexanol with an aqueous solution of an alkali metal hydroxide in an amount equivalent to not less than ½ of the thiophenols nor more than the thiophenols plus ½ of the phenols contained in said mixture, under conditions to form two layers, a solvent layer containing a solute consisting predominantly of phenols and an aqueous layer containing alkali metal thiophenolates.

2,236,929

FASTENING DEVICE

George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application January 14, 1939, Serial No. 250,946
2 Claims. (Cl. 85—36)



1. A fastener comprising a sheet metal section defining a generally concavo-convex body having an opening therein for receiving a cooperating bolt, screw or other stud fastening device, said body comprising a pair of oppositely disposed sets of relatively yieldable stud engaging elements struck and formed therefrom having their extremities bordering said opening, said sets of stud engaging elements projecting from the generally convex surface of said body and each stud engaging element of a set being relatively yieldable to another and thereby adapted for independent engagement with the cooperating stud fastening device at axially spaced points in applied fastening position.

2,236,930

WATER CLARIFICATION PROCESS

Johannes Wilhelmus Huijbert Uytenbogaart, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 21, 1939, Serial No. 305,497. In the Netherlands November 23, 1938
6 Claims. (Cl. 210—2)

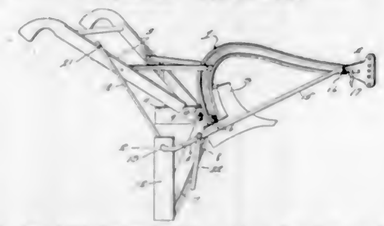
1. A process for purifying water containing suspended solids which comprises adding thereto a small amount of a capillary active lower dialkyl cetyl sulphonium salt of a lower alkyl sulphuric acid ester and separating the resulting flocculated impurities.

2,236,931

PEANUT CUTTER ATTACHMENT FOR PLOWS

John C. Whitton, Ponce de Leon, Fla.

Application September 30, 1939, Serial No. 297,372
5 Claims. (Cl. 55—60)



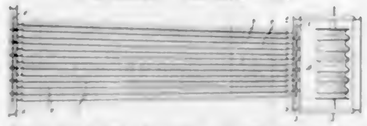
1. An attachment for a plow having a draft beam, handles, and frog bolts, comprising an elongated blade body having one longitudinal edge sharpened, an upstanding flange formed integral with one end of the blade and apertured to receive said bolts whereby the blade will be secured to extend laterally from the plow beam, an upstanding arm at the outer end of said blade, brace rods connecting said arm with said beam and one of said handles, and a plant deflector member carried by one of said brace rods and extending downwardly therefrom and disposed forwardly of the blade.

2,236,932

APPARATUS FOR CONTINUOUSLY MANUFACTURING CORRUGATED CONSTRUCTION BOARDS

Gerrit Jan Arentsen, Diemerbrug, Netherlands

Application January 27, 1939, Serial No. 253,232
In the Netherlands January 27, 1938
6 Claims. (Cl. 154—30)



1. An apparatus for the production of corrugations in material in web form comprising, two banks of converging elongate rigid fingers each freely rotatable about its longitudinal axis, the fingers constituting one bank interdigitating with the fingers constituting the other bank, the point of maximum interdigitation being coincident with the point of maximum convergence of said fingers, and means for continuously drawing a web of material between said banks in a direction toward their point of maximum interdigitation.

2,236,933

PROCESS FOR TREATING CRUDE MAHOGANY SULPHONATES

John Albert Beck, Jr., Karns City, Pa., assignor to Pennsylvania Refining Company, Karns City, Pa., a corporation of Pennsylvania

No Drawing. Application June 12, 1939, Serial No. 278,761
14 Claims. (Cl. 260—504)

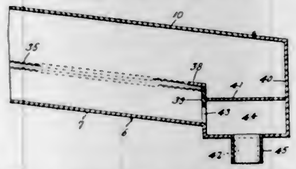
1. A process of purifying crude mahogany sulphonates containing inorganic matter and oil which comprises, adding to one part of said crude mahogany sulphonates more than one part of a substantially water-immiscible organic solvent in which the crude mahogany sulphonate is soluble, and subsequently washing the solution of the crude mahogany sulphonate with an aqueous solution of from 1 to 20% of a water soluble organic solvent, whereby the inorganic salt impurities are removed from the solution of the mahogany sulphonate.

2,236,934

SIFTER

John W. Benedict, Battle Creek, Mich.

Application June 6, 1939, Serial No. 277,697
1 Claim. (Cl. 209—257)



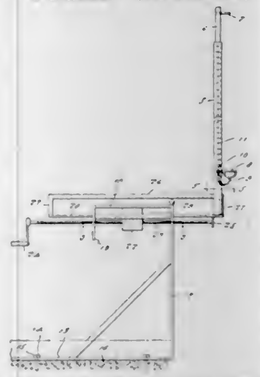
In a sifter, a chute having closed ends, means suspending said chute for gyrating movement and in a longitudinally inclined position, a feed spout arising from the higher end of the chute, a transverse partition arising from the bottom of the chute adjacent the lower end thereof part-way up the same and forming with said end a compartment, said partition having a lower discharge aperture therein, a sieve extending from the higher end of the chute to the top of the partition and inclined from said higher end to said partition, a pair of laterally spaced discharge spouts in the bottom of said compartment, and a transversely inclined partition in said compartment forming a pocket therein into which said discharge aperture opens and which opens onto a single one of the discharge spouts.

2,236,935

VAULTING STANDARD ADJUSTING APPARATUS

Curtice B. Cameron, Laurel, Miss.

Application June 12, 1940, Serial No. 340,183
4 Claims. (Cl. 272—59)



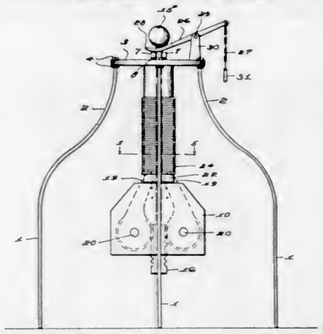
3. A vaulting standard comprising a base, an upright on the base, said upright having a substantially inverted U-shaped head portion, a screw feedable through the leg portions of the inverted U-shaped head portion, a horizontal bar supporting upright structure carried by the screw and means for feeding the said screw.

2,236,936

DEVICE FOR APPLYING RUBBER BANDS

Walter W. Camp, Castorland, N. Y.

Application November 8, 1939, Serial No. 303,470
2 Claims. (Cl. 100—31)



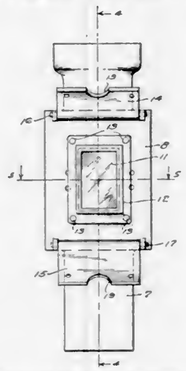
2. A device for applying rubber bands to packages and the like comprising a frame including legs adapted to straddle a package and having a top, a pair of band-stretching and applying members suspended from said top for location over the package, said members being swingably mounted for outward and downward movement about fixed axes to pick up bands encircling the same and release said bands around the package, a spindle-like band holder depending endwise from said top in fixed position with a terminal end thereof located over said members and adapted for holding a plurality of bands for manual feeding downwardly thereon into encircling relation to the members, and manipulative means for swinging said members, said members being notched to hold the picked-up bands thereon until said bands are in surrounding relation to the package, and said manipulative means being operative upwardly to impart outward and downward swinging movement to said members.

2,236,937

CLEANOUT FITTING

Spencer Clark, Daytona Beach, Fla.

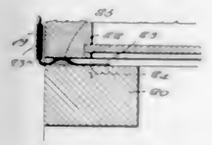
Application May 31, 1940, Serial No. 338,265
3 Claims. (Cl. 285—205)



3. In a device of the character described, a pipe

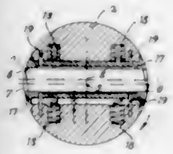
section having a relatively flat wall portion provided with an opening, a transparent closure for said opening removably mounted on said wall, and auxiliary closure plates for said opening hingedly mounted on said wall and adapted to overlie said opening when said hinged plates are disposed substantially flat against said wall, said hinged plates having notches in the free edges thereof providing therebetween an opening of a size materially less than the size of the opening in said wall, as and for the purpose specified.

2,236,938
DRAWER OR DOOR HOLDING DEVICE
James G. Edelen, Baltimore, Md.
Application December 27, 1939, Serial No. 311,200
8 Claims. (Cl. 292—288)



1. A drawer securing device comprising a sheet metal member, outwardly directed prongs formed in the sides of said member adjacent one end, the other end of said member being angularly directed and adapted to bear against the end of a drawer after the prongs have been projected into the drawer supporting rail, and a cam extending from said member adjacent said prongs.

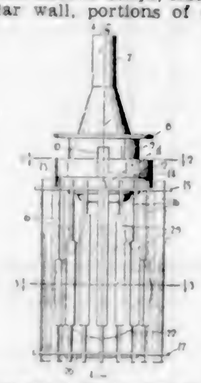
2,236,939
ROTARY CUTTER
Rudolf Etzkorn, Murg, Baden, Germany
Application January 8, 1938, Serial No. 184,080
In Germany January 11, 1937
2 Claims. (Cl. 83—6)



1. In a rotary cutter in combination, a rotary cylinder, at least one knife slidably mounted in a slot of said cylinder which is wider than said knife, means adapted to support said knife for rotation about an axis radially displaced against the axis of said cylinder, and resilient means adapted to close the variable interstices between said slot and said knife and to strip off the chips from the knife edges.

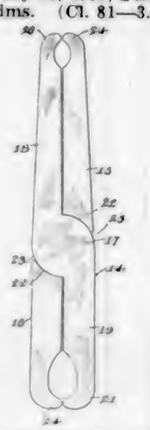
2,236,940
ELECTRIC LAMP GUARD
John R. Foley, New York, N. Y., assignor to Marjorie Hart, New York, N. Y.
Application October 31, 1936, Serial No. 108,656
3 Claims. (Cl. 240—102)

1. A lamp guard formed entirely of a dielectric and comprising segmental end plates joined together by spaced narrow strips, said strips forming an annular wall, portions of some of said



strips being substantially wedge shape in cross section and forming a glare shield.

2,236,941
FUSE PULLER
John R. Foley, New York, N. Y., assignor to Marjorie Hart, New York, N. Y.
Application January 28, 1937, Serial No. 122,832
3 Claims. (Cl. 81—3.8)

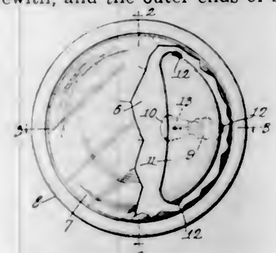


1. A fuse pulling tool or the like consisting of crossed connected members turnable about an axis and forming jaws at one end of the tool and formed in its entirety of a material having high dielectric strength, each member being formed of parallel layers of such material and the layers consisting of long and short blanks alternately arranged.

2,236,942
MOTOR VEHICLE HEADLIGHT
Andrew Frazier, Martinsville, Va.
Application July 12, 1939, Serial No. 284,052
1 Claim. (Cl. 240—48.2)

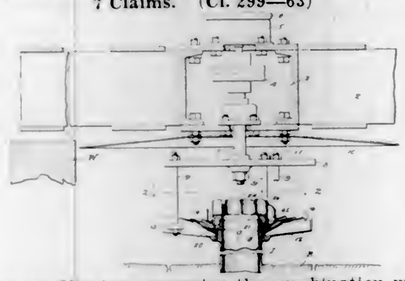
A headlight for motor vehicles, comprising a lamp housing, a reflector within the lamp housing and being curved conforming to the shape of the lamp housing, a lamp socket and lamp extending inwardly an appreciable distance from the side wall of the reflector and being located on a medial line drawn horizontally through the lamp housing, said lamp being disposed at an

oblique angle with respect to the side wall of the reflector, a substantially wide vertically elongated shield secured to the outer surface of the reflector and overlying the lamp in spaced relation therewith, and the outer ends of said shield



extending appreciable distances above and below the lamp, said shield extending inwardly to a point covering substantially the entire lamp, and said shield being inwardly curved directing light rays from the lamp inwardly towards the center of the reflector.

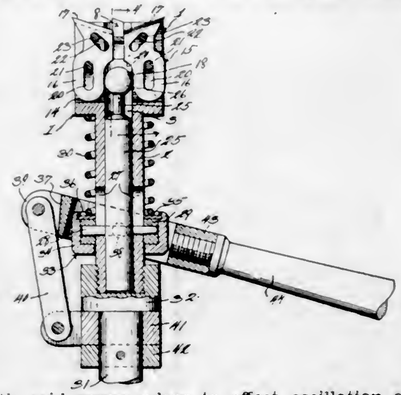
2,236,943
FLUID DISTRIBUTOR
Robert O. Friend, Chicago, Ill., John A. Montgomery, Denver, Colo., and William F. Schaller, La Grange, Ill.
Application December 14, 1939, Serial No. 309,256
7 Claims. (Cl. 299—63)



3. In filtering apparatus the combination with an upstanding feed pipe and a distributing disk mounted for rotation thereon, said disk having upstanding radial vanes, of diffusing means positioned on the pipe to receive liquid overflowing therefrom, said means including an annular series of arcuate channels having inlets positioned to receive liquid overflowing from the pipe, all of said channels being inclined downwardly from said inlets in the direction of rotation of the disk, there being outlets at the lower ends of the channels overlying the disk.

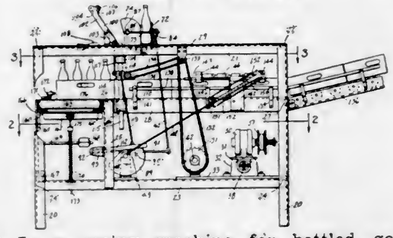
2,236,944
DRILL BIT
Charles B. Gerardi, Trinidad, Colo.
Application June 20, 1939, Serial No. 280,179
10 Claims. (Cl. 255—74)

1. A drill bit of the character described, comprising a head body having a tubular stem, a cutter extending diametrically across the head and fixed thereto, a pair of cutters independently oscillatably supported in the head in a plane perpendicular to the first cutter for movement longitudinally of the head with simultaneous lateral movement, a pin slidable in said stem and having an end extending into the head, means for shifting said pin toward the head, said cutter having facing edge camming recesses, and a head upon the end of the pin within the head body which is movable into camming contact



with said recess edges to effect oscillation and ejection of said cutters from a retracted position to a working position for cooperation with the first cutter.

2,236,945
MIXING, INSPECTION, AND CASING MACHINE FOR BOTTLED GOODS
Curtis W. Gibbs, Forth Worth, Tex., assignor, by direct and mesne assignments, to Bottlers Equipment Company, Forth Worth, Tex., a corporation
Application July 18, 1938, Serial No. 219,759
7 Claims. (Cl. 226—14)



1. In a casing machine for bottled goods adapted to receive a continuous stream of bottles and to deposit the same in a partitioned case, a pivotally mounted member adapted to engage the bases of a plurality of bottles from said stream, a guide member having its guiding surface generally concentric with the pivotal axis of said first mentioned member and adapted to engage the sides of said bottles, and means for moving said pivotally mounted member about said axis to pass said bottles over said guide member, said guide member having diverging channels formed in the surface thereof for spacing said bottles properly for deposition in said case.

2. In a casing machine for bottled goods, bottle guiding means positioned above a case to be filled, a roller adapted to engage a bottle therein and yieldingly holding the same against dropping, and means for rotating said roller to lower the bottle gently toward said case.

6. In a casing machine adapted to place articles in a plurality of rows in a case, means located at a receiving station for placing a row of articles in a case, a reciprocating member, and a plurality of pawls carried thereby and adapted

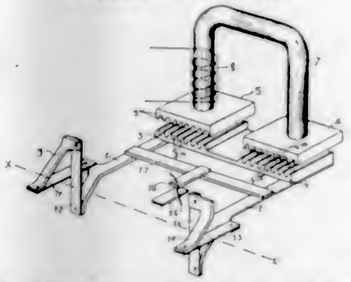
to engage said case successively in the movement of said reciprocating member in one direction to move said case step by step toward said receiving station.

2,236,946
STRINGED MUSICAL INSTRUMENT
Julius W. Knopp, Toledo, Ohio, assignor to La Verne Pettegrew, Cleveland, Ohio
Application May 16, 1938, Serial No. 208,149
4 Claims. (Cl. 84—1.16)



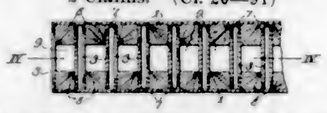
1. In a stringed musical instrument having a body, a neck projecting therefrom and metal strings extending lengthwise of the neck and bridged therefrom, a magnet plate mounted on the top finger board portion of the neck below the strings with its top surface in equidistantly spaced relation to all of the strings so that the field of the magnet links all of said strings, and an electrical coil about a portion of said plate as a core and adapted to be placed in circuit with an amplifying instrument.

2,236,947
ELECTRIC RELAY
Lucien Joseph Armand Le Goff, Clichy, France, assignor to Societe d'Electricite Mors, Clichy, Seine, France, a corporation of France
Application January 18, 1939, Serial No. 251,646
In France January 25, 1938
4 Claims. (Cl. 175—336)



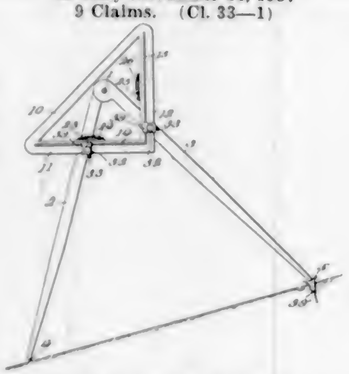
1. A relay which comprises, in combination, a fixed part and a movable part having respective faces located opposite each other, one of said parts including an electro-magnet pole piece and the other the corresponding armature, a support rigidly positioned with respect to said fixed part, at least two springs for pivotally connecting said movable part to said support about a fixed axis perpendicular to the direction of said ridges, said springs consisting of elastic blades respectively each fixed at one end to said support and at the other end to said movable part, the planes of said springs intersecting each other along said axis, the faces of the said fixed and movable parts having interrelated parallel ridges thereon, of generally trapezoidal cross-section, the ridges of one face being adapted to engage snugly between those of the other face, without however contacting the latter, upon movement of said faces towards each other, the said springs being so associated with the movable part and the support as to permit the said snug relationship between corresponding ridges of the faces of the fixed and movable parts, while inhibiting lateral movement of said parts relative to each other sufficient to occasion contact between any portions of the said two faces.

2,236,948
PLYWOOD
Gottfried Maurer, Grouw, Friesland, Netherlands, assignor to N. V. Halbertsma's Fabrieken voor Houtbewerking, Grouw, Friesland, Netherlands
Application February 4, 1938, Serial No. 188,762
In Germany February 27, 1937
2 Claims. (Cl. 20—91)



1. A plywood construction, comprising two cover plates and a wooden inner core construction between said cover plates, said inner core construction comprising a plurality of parallelly arranged box beam elements, each of said box beam elements comprising a pair of substantially longitudinally grained wood strips adjacent to said cover plates, said wood strips being vertically separated by an air space, and a cross-cut wood strip glued to each side of said pair of substantially longitudinally grained wood strips, said box beam elements being so disposed within said cover plates that each box beam element is separated from the nearest box beam element by a small air space.

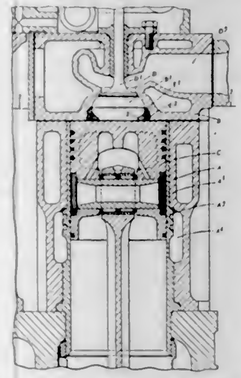
2,236,949
TACHYMETRIC COMPASS
Giovanni Moiola, Rome, Italy
Application October 24, 1938, Serial No. 236,761
In Italy November 24, 1937
9 Claims. (Cl. 33—1)



1. A tachymetric compass comprising a pair of pivoted legs, a member having mutually perpendicular guides and means on each leg slidably and pivotally engaging one of said guides.

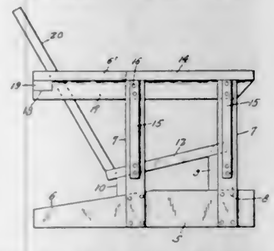
2,236,950
TWO-STROKE INTERNAL COMBUSTION ENGINE OPERATING WITH COMPRESSION IGNITION
Harry Ralph Ricardo, London, England
Application November 1, 1939, Serial No. 302,412
In Great Britain October 13, 1938
3 Claims. (Cl. 123—32)

1. In a two-stroke internal combustion engine operating with compression ignition, the combination of a cylinder, a piston adapted to reciprocate therein, said cylinder having tangential ports in the wall thereof controlled by said piston, a combustion chamber in the cylinder head into which at the end of the compression stroke of the piston substantially the whole of the air charge is forced, said combustion chamber being a figure of revolution about an axis which is parallel with the cylinder axis and having a depth measured in the direction of the axis of the order of one-third to one-half of the maximum diameter of the chamber, the chamber having a circular mouth concentric with the chamber axis



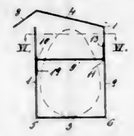
and constituted by a passageway through which alone the chamber opens into the cylinder bore, an exhaust port with a seat for a poppet valve in the upper wall of the chamber opposite to and concentric with the mouth thereof, an inwardly directed annular flange-like heat storing lip in the said mouth giving to the latter a minimum diameter which is less than the maximum diameter of the chamber but not less than the maximum diameter of the exhaust port throat, and a fuel injector mounted in the cylinder head at the side of the combustion chamber with its nozzle in that chamber and adapted for delivering fuel along an axis tangential to a circle whose centre lies in the combustion chamber axis.

2,236,951
ARTICLE OF FURNITURE
John B. Rock, Lake Luzerne, N. Y.
Application December 6, 1939, Serial No. 307,928
1 Claim. (Cl. 155—191)



As a new article of manufacture, a piece of furniture comprising a pair of feet members, a plurality of standards secured in pairs to said feet members to rise vertically therefrom, arm rests supported by said standards at the upper ends of the latter, vertical brace members supporting said arm rests mounted on said standards, cleats extending longitudinally of said arm rests and depending therefrom, said cleats at one end thereof being provided with notches, cross-bars extending from one to the other of said feet and secured at the ends thereof to said standards, seat slats attached to and supported by said cross-bars, a cross-cleat supported by said arm-rest cleats and having ends engaging in the notches of said arm-rest cleats, and back-rest slats supported at the rear ends of said seat slats and in an inclined position by said cross-cleat.

2,236,952
EGG CARTON
Rudolf Sandell, Stockholm, Sweden
Application November 8, 1937, Serial No. 173,444
In Sweden June 1, 1937
3 Claims. (Cl. 229—29)

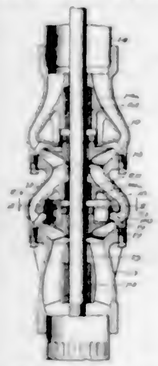


1. A collapsible egg carton of card-board comprising a collapsible outer prismatic shell including bottom, longitudinal side walls and top of the carton, and an interior member, said outer shell and said interior member being made from separate pieces of material and hingedly secured to each other along lines running in the longitudinal direction of the carton to make the entire carton collapsible in the transverse direction of the carton, said interior member being composed of at least one longitudinal panel arranged between the bottom and top of the carton, seats for the eggs being provided in said panel by means of flaps cut out in the panel and adapted to be bent down into the space below said panel to form supports for the eggs therein in the longitudinal direction of the carton, at least two of the flaps in each seat being cut out in such a position as to be bent downwards about lines oblique to the side walls of the carton to form corner flaps for the support of the eggs, and in which at least part of the other cut out flaps extend between the side walls of the corresponding egg compartment and are adapted to be bent downwards about a line perpendicular to said side walls to form a brace between them in the transverse direction of the erected carton, said panel having its fibre direction running in the longitudinal direction of the carton, and the outer shell having its fibre direction running in the transverse direction of the carton.

2,236,953
CENTRIFUGAL PUMP
Rudolph D. Schott, Pomona, Calif., assignor to Pomona Pump Co., Pomona, Calif., a corporation of Delaware
Application December 30, 1938, Serial No. 248,596
2 Claims. (Cl. 103—102)

1. A centrifugal pump for wells, having a rotary shaft adapted to be suspended in the well, an impeller fast on said shaft, and a bowl for housing said impeller and having a bearing through which said shaft extends, characterized by said bowl and impeller having a chamber formed between them by an imperforate annular flange on one of said members telescopically engaging an imper-

forate annular surface on the other member, said chamber being substantially sealed by said telescoping imperforate surfaces, and the bearing clearance between said bowl and shaft affording communication between said chamber and the flow-passage of the pump at a point on the pressure side of the impeller, to permit well fluid to pass into and out of said chamber, whereby fluid trapped in the said chamber will form a substantially incompressible mass between the impeller and bowl and resist the tendency of the impeller to move axially toward the bowl under self-induced vibration.



2,236,954

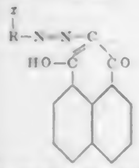
COMPLEX METAL COMPOUNDS AND PROCESS OF MAKING SAME

Fritz Straub and Peter Pieth, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application May 16, 1938, Serial No. 208,321. In Switzerland May 19, 1937

6 Claims. (Cl. 260—149)

1. Complex chromium compounds of azo-dyestuffs of the general formula



wherein x stands for a lake-forming group and R stands for a benzene radical which contains x in ortho-position to the azo-group and apart from this does not contain a carboxyl group as further substituent.

2,236,955

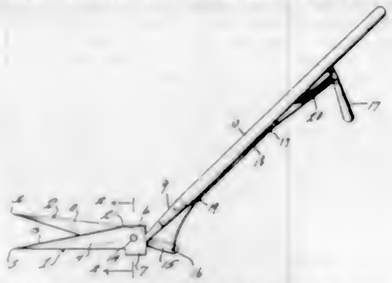
LAWN EDGE TRIMMER

Robert A. Thompson, Pampa, Tex.

Application February 24, 1940, Serial No. 320,670

4 Claims. (Cl. 30—248)

1. An edge trimmer of the character stated, comprising a pair of cutting blades arranged in crossed relation and coupled together for relative oscillation on a horizontal axis, a handle, means for attaching said handle at one end to one of said blades whereby the said one blade is fixed with respect to the handle, means carried by the handle and coupled with the other blade for imparting movement thereto relative to the fixed blade, and a plate comprising a lateral continuation of the top edge of said fixed blade adjacent the rear end of the same and functioning as a walk engaging guide bracket for the implement.



2,236,956

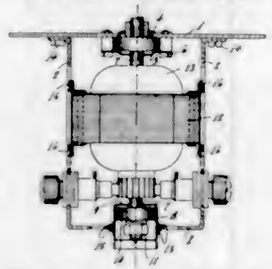
MOTOR AND DYNAMO

Leonardus Wilhelmus van der Heem, The Hague, Netherlands, assignor to N. V. Radiofabriek en Ingenieursbureau voorheen van der Heem & Bloemsma, The Hague, Netherlands, a corporation of the Netherlands

Application July 1, 1938, Serial No. 217,110

In the Netherlands August 25, 1937

5 Claims. (Cl. 171—252)



1. A method of mounting small electromotors and dynamos comprising clamping the bearing supporting one side of the armature to a bracket, then arranging the stator core about said armature, then securing a second bracket to said first mentioned bracket so as to enclose said stator core and then securing said stator core to said second bracket in predetermined spaced relation to said armature.

2,236,957

POWDER PUFF

John S. Vild, Pittsburgh, Pa.

Application December 11, 1939, Serial No. 308,694

3 Claims. (Cl. 132—78.5)



1. A puff of the kind described comprising a flexible body having an external velvety surface and flattened, a contractible container built within said body and having an open end and an opposite perforated end, the perforated end being arranged in confronting close relation to said body and the open end exposed exteriorly of the body, a cap removably fitted to said body for closing its open end, and compressible means within the container for normally extending the same.

2,236,958

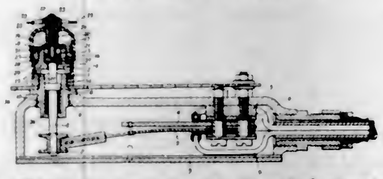
HEAT RESPONSIVE CONTROL SYSTEM

Anders Mathisen, Osterley, Isleworth, and Hubert Mackenzie Salmond, Fareham, England, assignors to Graviner Manufacturing Company Limited, High Holborn, London, England

Application April 20, 1939, Serial No. 269,060

In Great Britain April 21, 1938

12 Claims. (Cl. 74—2)



1. Flame or temperature operated apparatus comprising a displaceable controlled member, a housing, a slidable retaining member mounted for retaining said controlled member, mounted in a recess in said housing and comprising upper and lower co-axial tubular members, an explosive charge, flanges at the lower ends of said tubular members to provide an annular chamber around the lower tubular member in which said explosive charge is confined, said lower tubular member having an ignition channel extending transversely therethrough to connect said charge confining chamber with the bore formed by the co-axial tubular members, and a retaining cap engaging said flange of the upper tubular member to hold said retaining element against displacement, said cap being capable of deformation by ignition of the explosive charge to release said retaining element for movement.

2,236,959

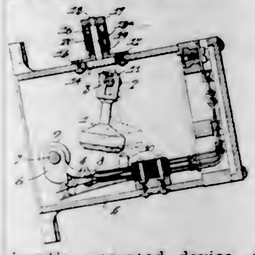
INERTIA ELEMENT OPERATED DEVICE

Hubert Mackenzie Salmond, Fareham, and Anders Mathisen, London, England, assignors to Graviner Manufacturing Company Limited, London, England

Application June 20, 1939, Serial No. 280,200

In Great Britain June 28, 1938

8 Claims. (Cl. 200—52)



1. In an inertia operated device, an inertia element, a universal joint for suspending said inertia element, a controlled member, means actuatable by said inertia element adapted to normally retain said controlled member in a normal determined position and to release said controlled member from said normal position when said inertia element is subjected to impact or deceleration, a depressible test member for said inertia element, mounting means for mounting said test member depressibly and rotatably adjustable into two positions, said test member comprising a spring-controlled depressible stud element terminating in an enlarged head, said head being positioned to act eccentrically upon said universal joint and release said inertia element from normal position when said test member is depressed in its first said position and to act concentrically upon said universal joint and restore said tripped inertia element to normal position when said test member is depressed in its second said position.

2,236,960

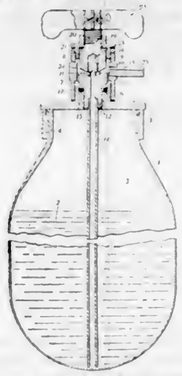
STOPPERING AND DISCHARGE DEVICE FOR FLUID CONTAINERS

Hubert Mackenzie Salmond, Fareham, and Anders Mathisen, High Holborn, London, England

Application October 23, 1939, Serial No. 300,834

In Great Britain December 30, 1938

6 Claims. (Cl. 221—73.5)



1. A stoppering device for a container, consisting of, a hollow metal plug secured in the container in a fluid tight manner to seal said container and having a bore formed therein communicating with the inside of said container, a thin frangible elongated neck portion connected at one end to said plug around said bore, an extension connected to the other end of said neck portion, means for fracturing off said extension to unseal said container, said means consisting of a head for engaging said extension, said head having a recess for receiving said extension, means for mounting said head for rotation axially of said plug, and means for reclosing said container, said last means consisting of complementary surfaces formed around said neck portion on said plug and around said recess on said head respectively, and including means for bringing said complementary surfaces together in sealing relation.

2,236,961

STOPPERING AND REGULATING DEVICE FOR CONTAINERS

Hubert Mackenzie Salmond, Fareham, England

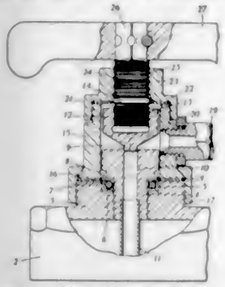
Application October 23, 1939, Serial No. 300,835

In Great Britain February 22, 1939

9 Claims. (Cl. 221—73.5)

1. Stoppering device for containers comprising a closure plug having a bore therein extending longitudinally almost through said plug, a frangible stem portion thereon over the inner end

of said bore, said stem having a diameter smaller than said bore, and means for fracturing said stem portion off said plug to unseal said bore in



said plug, and for thereafter forcing said fractured off stem portion into said bore to reclose said container.

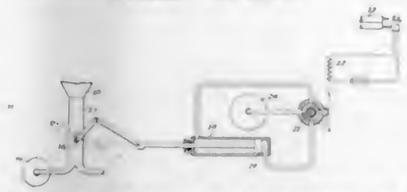
2,236,962

APPARATUS FOR MAKING SHEET METAL

Raymond J. Wean and Donald A. McArthur, Warren, Ohio, assignors to The Wean Engineering Co. Inc., Warren, Ohio, a corporation of Ohio

Application June 1, 1938, Serial No. 211,215

1 Claim. (Cl. 51—9)



Abrading apparatus comprising means for normally moving material to be abraded through the apparatus in a continuous manner, means for directing an abrasive blast onto the moving material, a valve controlling the supply of abrasive material to said blast-directing means, means actuated by fluid-pressure for operating the valve, electrical means controlling the fluid-pressure-actuated means, said electrical means including means actuated by the means for moving the material and effective on stoppage of the material-moving means to cause operation of the fluid-pressure actuated means, whereby said valve is actuated to interrupt the supply of abrasive material to said blast-directing means.

2,236,963

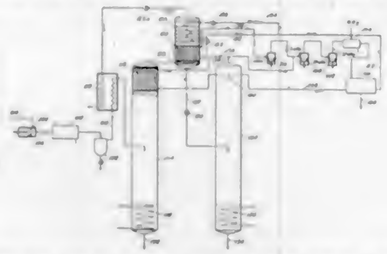
CHEMICAL PROCESS

Dale F. Babcock, Crawford H. Greenewalt, and Hood Worthington, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 10, 1938, Serial No. 212,904

2 Claims. (Cl. 62—175.5)

2. A process for the separation of substantially puré acetylene from gases boiling below acetylene which comprises cooling the gaseous mixture in the presence of ethylene to a temperature sufficient to condense an ethylene-acetylene mixture, said ethylene being present in an amount sufficient to prevent the separation of solid acetylene, rectifying the resulting liquid mixture at a pressure between 1 and 6 atmospheres, said rectification being carried out by spraying liquid ethylene directly into the top of the rectifying column and by heating the liquid acetylene at the bottom of the column to a temperature that will



separate the ethylene from the acetylene, thereby recovering substantially pure acetylene as a liquid from the base of the column.

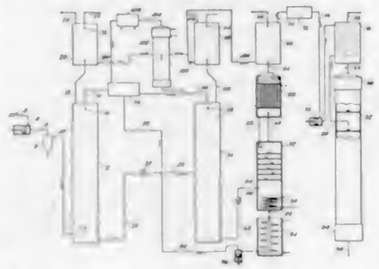
2,236,964

SEPARATION OF ACETYLENE FROM MIXTURES

Dale F. Babcock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 10, 1938, Serial No. 212,905

2 Claims. (Cl. 62—175.5)



1. The process for the recovery of acetylene from admixture with other components boiling above and below acetylene, which comprises scrubbing the mixture at a temperature within the range known as room temperatures with a solvent having a high solubility coefficient for acetylene at an elevated pressure thereby dissolving the acetylene and the components boiling above acetylene, reducing the pressure on the resulting solution so as to slightly outgas same and thus remove any low boiling components which may have been dissolved therein, contacting the outgas with fresh selective solvent so as to redissolve the major part of the acetylene which may have been outgassed, then further reducing the pressure on the solution and raising the temperature thereof so as to completely outgas the acetylene and higher boiling components, rectifying the resulting acetylene and higher boiling component mixture so as to separate acetylene as a gas and the higher boiling components as a liquid, said rectification being conducted at a pressure between about two atmospheres and about five atmospheres and by boiling the liquid at the base of the rectifying column at a temperature that will expel acetylene, and cooling the gases at the top of the rectifying column to a temperature that will condense the components contained therein boiling above acetylene, thereby furnishing reflux in said column.

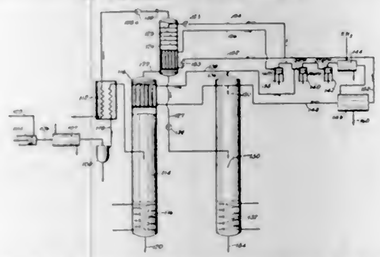
2,236,965

CHEMICAL PROCESS AND APPARATUS

Dale F. Babcock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 10, 1938, Serial No. 212,906

17 Claims. (Cl. 62—122)



13. A process of separating ethylene from acetylene which comprises rectifying the mixture under conditions such as to cause the acetylene to be separated as a liquid and the ethylene as a gas, condensing the gaseous ethylene, and returning a portion of same to the rectification system for use as reflux therein.

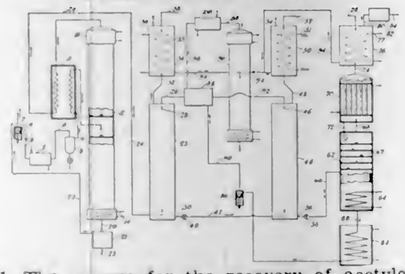
2,236,966

SEPARATION OF ACETYLENE FROM GAS MIXTURES

Joseph H. Balthis, Jr., and Guy B. Taylor, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 10, 1938, Serial No. 212,910

2 Claims. (Cl. 260—679)



1. The process for the recovery of acetylene from admixture with components boiling above and below acetylene which comprises rectifying the mixture at a pressure between 50 and 250 lbs. per sq. in. gauge so as to separate acetylene and the lower boiling components as a gas and the higher boiling components as a liquid, said rectification being effected by boiling the liquid at the base of the rectifying column at a temperature which will expel the gaseous fraction containing acetylene and by cooling the gases at the top of the rectifying column at a temperature that will condense the higher boiling components contained therein so as to furnish reflux in said column, then scrubbing the resulting gas fraction with acetone at a temperature within the range known as room temperatures so as to selectively dissolve the acetylene from the more volatile components, reducing the pressure on the acetylene-acetone solution such a degree as to outgas the major portion of any components less soluble in acetone than acetylene, scrubbing these gases with acetone to remove acetylene, combining the acetylene-acetone solution produced in the second scrubber with the acetylene-acetone solution resulting from said outgassing, further reducing the pressure on the combined acetylene-acetone solution to approximately atmospheric and boiling same under reflux conditions so as to outgas acetylene and recover the acetone, scrubbing the acetylene with water to remove acetone and drying said acetylene to remove water vapor, thus recovering substantially pure acetylene.

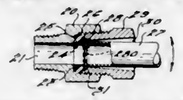
2,236,967

FLEXIBLE CONNECTION FOR TUBING

Norman M. Couty, Detroit, Mich., assignor to The Flex-O-Tube Company, a corporation of Delaware

Application May 1, 1939, Serial No. 271,048

2 Claims. (Cl. 285—90)



1. In a flexible connection for flared end tubing comprising a coupling member having an axial bore and threaded counterbore therethrough forming an annular seat at the base of the said counterbore, a resilient annular washer disposed in the said counterbore, and an externally threaded retaining nut having a bore larger than the said tubing axially therethrough telescoped over the said tubing and threaded in the counterbore of the said coupling member, the said retaining nut having a frusto-conical seat formed at the inner end thereof adapted to engage the flared end of the said tubing and urge the annular edge of the said flared tubing end axially into resilient sealed contact concentrically against the annular face of the said resilient annular washer when said retaining nut is threaded in the counterbore of the said coupling member whereby to hold the said tubing in concentric spaced relationship within said retaining nut and admit of the said tubing flexing with respect to the coupling member under vibrational stresses.

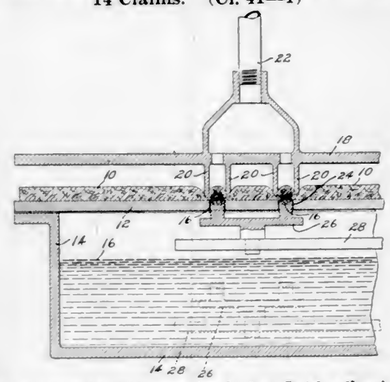
2,236,968

APPARATUS AND METHOD FOR FABRICATING LAMINATED TRIM PANELS

George R. Cunnington, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan

Application June 17, 1937, Serial No. 148,695

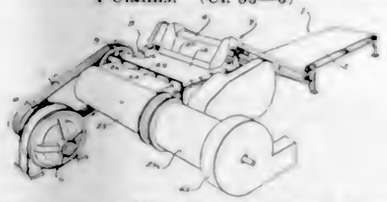
14 Claims. (Cl. 41—1)



8. In combination, a tank for fluid adhesive, a

metering device adapted to hold a quantity of adhesive and adapted to be dropped into said tank and elevated therefrom to the top of the tank, means for supporting a sheet of absorbent wadding along the top of said tank resting upon said metering device exposed to the fluid contents thereof, means arranged on opposite sides of the wadding along the margin of the metering device adapted to compact the wadding, and means for subjecting that portion of the wadding correspondingly opposite the fluid filled metering device to suction sufficient to draw fluid adhesive therethrough.

2,236,969
PAPER SHREDDER
Einar I. Flateboe, Everett, Wash.
Application September 6, 1938, Serial No. 228,599
4 Claims. (Cl. 83—6)



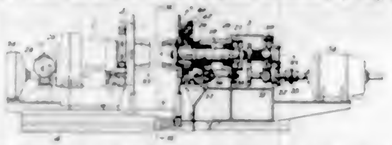
1. A machine of the character described, comprising a housing forming a continuous passage having receiving and discharge openings at opposite ends, means for feeding material into the machine through the receiving opening, a suction tube connected with the discharge opening for withdrawal of shredded material by suction through the passage, a succession of parallel shredding rolls rotatably mounted on axes extending transversely of the path of material within the housing between the receiving and discharge openings, and means for rotating said rolls at speeds progressively increased from the receiving to the discharge opening; each of said rolls having rows of teeth thereon arranged to overlap with clearance the rows of teeth of adjacent rolls, for cooperatively acting on the material for its disintegration and advancement along the passage.

2,236,970
REMOVER FOR ARTIFICIAL COLORS FROM HAIR
Abraham R. Goldfarb, New York, N. Y., assignor to Lawrence Richard Bruce Incorporated, a corporation of Connecticut
No Drawing. Application March 22, 1937, Serial No. 132,295
10 Claims. (Cl. 167—88)

10. A composition for removing artificial hair coloring material from hair comprising a sulphonated oleaginous material containing free sulphonic acid groups as the active hair color-removing constituent and containing no free sulphuric acid.

2,236,971
APPARATUS FOR SUPPORTING METAL COILS
Lorenz Iversen and Franz J. Waldschutz, Pittsburgh, Pa., assignors to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1941, Serial No. 372,814
10 Claims. (Cl. 242—78)

4. Apparatus for supporting metal coils having a hollow center comprising a rotatable head, a set of lugs mounted on the head, the lugs being rotatable with the head but movable radially inward and outward with respect thereto, a lug ac-



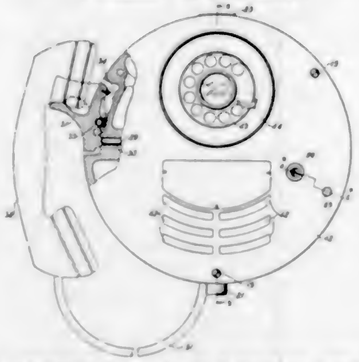
tuating means rotatable relative to the head effective for urging the lugs inwardly or outwardly, a dynamo electric machine connected to the head through the lug actuating means and effective for rotating the same, and a brake for the head.

2,236,972
POLARIZING BODY
Erwin Käsemann, Klein-Machnow, near Berlin, Germany
Application July 17, 1937, Serial No. 154,204
In Germany March 22, 1937
4 Claims. (Cl. 88—65)



1. A transparent polarizing sheet, the micelles of which are oriented substantially in one direction, said sheet consisting of colloidal cellulose hydrate, and containing complementary dyes, the molecules of which are attached to said micelles, and give a neutral gray color.

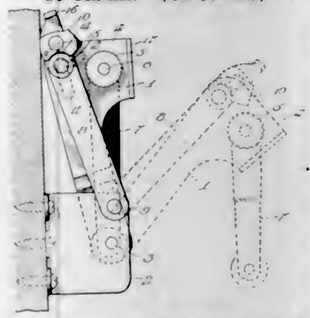
2,236,973
TELEPHONE SUBSTATION APPARATUS
Douglas H. King, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 3, 1939, Serial No. 259,498
7 Claims. (Cl. 179—100)



1. Telephone substation apparatus comprising a base member having an aperture therein, a housing member mounted on and rotatable with respect to said base member, a plurality of terminals carried by said housing member, substation instrumentalities mounted on said housing member and electrically connected to said terminals, a plurality of contact members, one for each of said terminals, mounted on said base member, each contact member being engageable by the corresponding terminal upon rotation of said housing member upon said base member,

a push rod carried by said housing member and insertable in said aperture, resilient means for holding said push rod out of said aperture, and lock means for securing said push rod in said aperture.

2,236,974
CAN OPENER
Thomas A. Long, Hammond, Ind.
Application November 20, 1939, Serial No. 305,283
10 Claims. (Cl. 30—15)



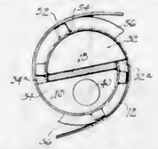
1. In a can opener, a base, an arm supported at one end on said base for swinging movements, a feed wheel on said arm, a cutter on said arm movable from and toward the feed wheel and adapted to be forced through the end of a can engaged with said wheel, and means operated through the swinging of said arm in one direction to move the cutter away from the wheel and by the swinging of the arm in the other direction to cause the cutter to puncture the end of a can operatively engaged with said wheel.

2,236,975
COPPER-ZINC ALLOYS
Wolf Johannes Müller and Moritz Niessner, Vienna, Germany, assignors, by mesne assignments, to Aktiengesellschaft Dynamit Nobel, Pressburg, Slovakia, a company
No Drawing. Application June 24, 1938, Serial No. 215,588. In Austria July 21, 1934
2 Claims. (Cl. 75—155)

1. A corrosion-resistant copper-zinc alloy which is workable in the cold state, comprising copper in the amount of 30 to 45%, at least one metal of the group cobalt and nickel in an amount of 3 to 12%, manganese in an amount of 4 to 15%, iron from 0.5 to 1.5% and an additional element capable of improving the workability of the alloy in the cold state selected from the group consisting of lead, phosphorus, selenium and tellurium, said additional element being present in no greater amount than is soluble in the solid solution and which could substantially impair the corrosion resistance of the alloy, the zinc constituting substantially all the remainder of the alloy.

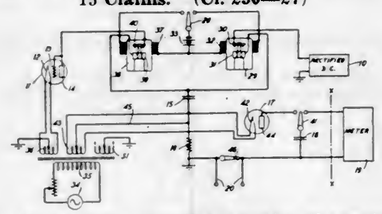
2,236,976
METHOD OF MAKING HEAT EXCHANGERS
Curt Fredrik Rosenblad, Stockholm, Sweden, assignor, by mesne assignments, to American Heat Reclaiming Corporation, New York, N. Y., a corporation of New York
Application July 7, 1938, Serial No. 217,852
In Sweden December 16, 1932
4 Claims. (Cl. 113—118)

1. In the manufacture of spiral heat exchangers, that improvement which consists in providing spacing members on a plate section at spaced places distributed through the axially central zone of the section and thereafter bending said section and another plate section around spiral forming members located between the edge portions of the sections, whereby to form spiral convolutions having a spiral channel therebetween in which said spacing members



are located, the height of said spiral forming members being slightly greater than the height of said spacing members whereby to insure sufficient clearance between the ends of the spacing members and the adjacent plate section to prevent distortion of the plate sections as they are bent because of bending contact with the ends of the spacing members during the forming operation.

2,236,977
TESTING OF ELECTRONIC DISCHARGE DEVICES
Edmund G. Shower, Freeport, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1940, Serial No. 315,685
15 Claims. (Cl. 250—27)



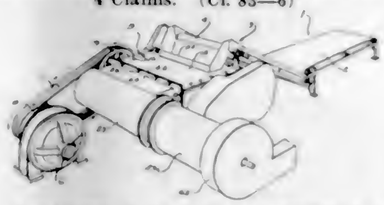
1. A measuring circuit for testing the emission efficiency of an electron discharge device having a cathode and an anode, comprising a storing element, a gaseous control device, an impedance connecting said element to said gaseous device, means to charge said storing element, switching means for discharging said storing element to the anode of said device under test, whereby the resultant current is impressed across said impedance to operate said gaseous device, means for charging a second storing element from said gaseous device, an indicating means, and means for impressing the charge on said second element on said indicating means.

2,236,978
MANUFACTURE OF ACETYLENE
Guy B. Taylor, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 10, 1938, Serial No. 212,911
4 Claims. (Cl. 260—679)

4. The process which comprises cracking a hydrocarbon oil under conditions conducive for the formation of acetylene, contacting the cracked gaseous products with a hydrocarbon oil that is non-selective for the absorption of acetylene so as to remove the components less volatile than acetylene, subjecting at least a part of the hydrocarbon oil containing the dissolved com-

metering device adapted to hold a quantity of adhesive and adapted to be dropped into said tank and elevated therefrom to the top of the tank, means for supporting a sheet of absorbent wadding along the top of said tank resting upon said metering device exposed to the fluid contents thereof, means arranged on opposite sides of the wadding along the margin of the metering device adapted to compact the wadding, and means for subjecting that portion of the wadding correspondingly opposite the fluid filled metering device to suction sufficient to draw fluid adhesive therethrough.

2,236,969
PAPER SHREDDER
Einar I. Flateboe, Everett, Wash.
Application September 6, 1938, Serial No. 228,599
4 Claims. (Cl. 83—6)



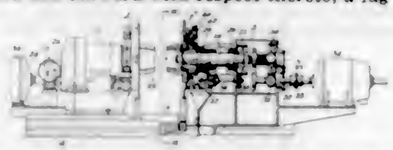
1. A machine of the character described, comprising a housing forming a continuous passage having receiving and discharge openings at opposite ends, means for feeding material into the machine through the receiving opening, a suction tube connected with the discharge opening for withdrawal of shredded material by suction through the passage, a succession of parallel shredding rolls rotatably mounted on axes extending transversely of the path of material within the housing between the receiving and discharge openings, and means for rotating said rolls at speeds progressively increased from the receiving to the discharge opening; each of said rolls having rows of teeth thereon arranged to overlap with clearance the rows of teeth of adjacent rolls, for cooperatively acting on the material for its disintegration and advancement along the passage.

2,236,970
REMOVER FOR ARTIFICIAL COLORS FROM HAIR
Abraham R. Goldfarb, New York, N. Y., assignor to Lawrence Richard Bruce Incorporated, a corporation of Connecticut
No Drawing. Application March 22, 1937, Serial No. 132,295
10 Claims. (Cl. 167—88)

10. A composition for removing artificial hair coloring material from hair comprising a sulphonated oleaginous material containing free sulphonic acid groups as the active hair color-removing constituent and containing no free sulphuric acid.

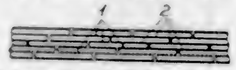
2,236,971
APPARATUS FOR SUPPORTING METAL COILS
Lorenz Iversen and Franz J. Waldschutz, Pittsburgh, Pa., assignors to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1941, Serial No. 372,814
10 Claims. (Cl. 242—78)

4. Apparatus for supporting metal coils having a hollow center comprising a rotatable head, a set of lugs mounted on the head, the lugs being rotatable with the head but movable radially inward and outward with respect thereto, a lug ac-



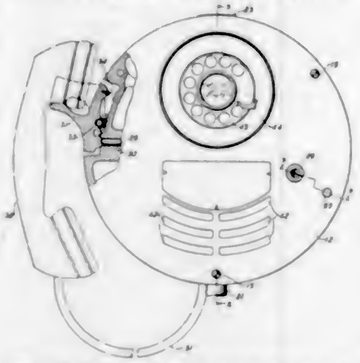
tuating means rotatable relative to the head effective for urging the lugs inwardly or outwardly, a dynamo electric machine connected to the head through the lug actuating means and effective for rotating the same, and a brake for the head.

2,236,972
POLARIZING BODY
Erwin Käsemann, Klein-Machnow, near Berlin, Germany
Application July 17, 1937, Serial No. 154,204
In Germany March 22, 1937
4 Claims. (Cl. 88—65)



1. A transparent polarizing sheet, the micelles of which are oriented substantially in one direction, said sheet consisting of colloidal cellulose hydrate, and containing complementary dyes, the molecules of which are attached to said micelles, and give a neutral gray color.

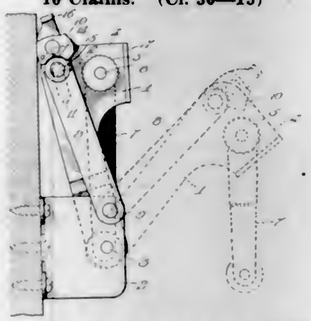
2,236,973
TELEPHONE SUBSTATION APPARATUS
Douglas H. King, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 3, 1939, Serial No. 259,498
7 Claims. (Cl. 179—100)



1. Telephone substation apparatus comprising a base member having an aperture therein, a housing member mounted on and rotatable with respect to said base member, a plurality of terminals carried by said housing member, substation instrumentalities mounted on said housing member and electrically connected to said terminals, a plurality of contact members, one for each of said terminals, mounted on said base member, each contact member being engageable by the corresponding terminal upon rotation of said housing member upon said base member,

a push rod carried by said housing member and insertable in said aperture, resilient means for holding said push rod out of said aperture, and lock means for securing said push rod in said aperture.

2,236,974
CAN OPENER
Thomas A. Long, Hammond, Ind.
Application November 20, 1939, Serial No. 305,283
10 Claims. (Cl. 30—15)



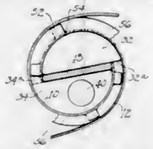
1. In a can opener, a base, an arm supported at one end on said base for swinging movements, a feed wheel on said arm, a cutter on said arm movable from and toward the feed wheel and adapted to be forced through the end of a can engaged with said wheel, and means operated through the swinging of said arm in one direction to move the cutter away from the wheel and by the swinging of the arm in the other direction to cause the cutter to puncture the end of a can operatively engaged with said wheel.

2,236,975
COPPER-ZINC ALLOYS
Wolf Johannes Müller and Moritz Niessner, Vienna, Germany, assignors, by mesne assignments, to Aktiengesellschaft Dynamit Nobel, Pressburg, Slovakia, a company
No Drawing. Application June 24, 1938, Serial No. 215,588. In Austria July 21, 1934
2 Claims. (Cl. 75—155)

1. A corrosion-resistant copper-zinc alloy which is workable in the cold state, comprising copper in the amount of 30 to 45%, at least one metal of the group cobalt and nickel in an amount of 3 to 12%, manganese in an amount of 4 to 15%, iron from 0.5 to 1.5% and an additional element capable of improving the workability of the alloy in the cold state selected from the group consisting of lead, phosphorus, selenium and tellurium, said additional element being present in no greater amount than is soluble in the solid solution and which could substantially impair the corrosion resistance of the alloy, the zinc constituting substantially all the remainder of the alloy.

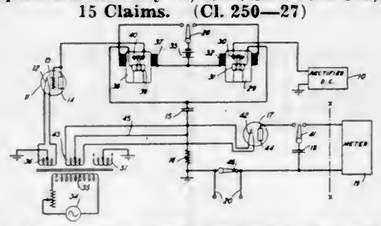
2,236,976
METHOD OF MAKING HEAT EXCHANGERS
Curt Fredrik Rosenblad, Stockholm, Sweden, assignor, by mesne assignments, to American Heat Reclaiming Corporation, New York, N. Y., a corporation of New York
Application July 7, 1938, Serial No. 217,852
In Sweden December 16, 1932
4 Claims. (Cl. 113—118)

1. In the manufacture of spiral heat exchangers, that improvement which consists in providing spacing members on a plate section at spaced places distributed through the axially central zone of the section and thereafter bending said section and another plate section around spiral forming members located between the edge portions of the sections, whereby to form spiral convolutions having a spiral channel therebetween in which said spacing members



are located, the height of said spiral forming members being slightly greater than the height of said spacing members whereby to insure sufficient clearance between the ends of the spacing members and the adjacent plate section to prevent distortion of the plate sections as they are bent because of bending contact with the ends of the spacing members during the forming operation.

2,236,977
TESTING OF ELECTRONIC DISCHARGE DEVICES
Edmund G. Shower, Freeport, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1940, Serial No. 315,685
15 Claims. (Cl. 250—27)

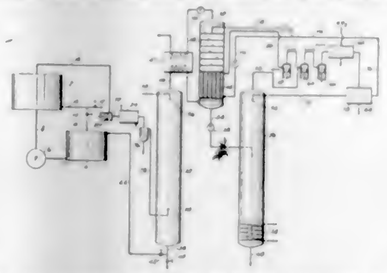


1. A measuring circuit for testing the emission efficiency of an electron discharge device having a cathode and an anode, comprising a storing element, a gaseous control device, an impedance connecting said element to said gaseous device, means to charge said storing element, switching means for discharging said storing element to the anode of said device under test, whereby the resultant current is impressed across said impedance to operate said gaseous device, means for charging a second storing element from said gaseous device, an indicating means, and means for impressing the charge on said second element on said indicating means.

2,236,978
MANUFACTURE OF ACETYLENE
Guy B. Taylor, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 10, 1938, Serial No. 212,911
4 Claims. (Cl. 260—679)

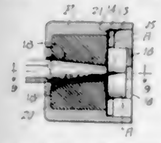
4. The process which comprises cracking a hydrocarbon oil under conditions conducive for the formation of acetylene, contacting the cracked gaseous products with a hydrocarbon oil that is non-selective for the absorption of acetylene so as to remove the components less volatile than acetylene, subjecting at least a part of the hydrocarbon oil containing the dissolved com-

ponents less volatile than acetylene to the cracking reaction and rectifying the resulting gaseous fraction of acetylene and components more volatile than acetylene in the presence of ethylene so as to obtain a liquid ethylene-acetylene mixture and under conditions that will effect the separation of the acetylene from the ethylene, said rectification step being characterized in that the rectification system is put in condi-



tion to operate on the gaseous mixture to be separated by initial temporary operation on a gas feed of substantially the same composition as the acetylene-containing gas, except that the acetylene in said mixture is replaced with ethane, and then gradually changing the composition of the gas feed by replacing ethane with acetylene until the composition of the incoming gas is substantially the same as that of the acetylene-containing gas.

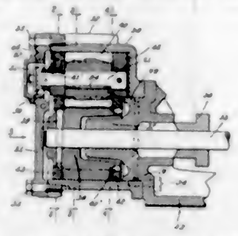
2,236,979
SHARPENER FOR MECHANICAL PENCIL LEADS
William J. Troeber, West Orange, N. J.
Application June 1, 1940, Serial No. 338,293
16 Claims. (Cl. 120—92)



1. A device of the character described comprising a pair of juxtaposed blocks and means for holding them, each block having a notch in its surface in opposed relation to the notch in the other block so that said notches may receive and guide a lead between them, at least one edge of one of said notches constituting a cutter.

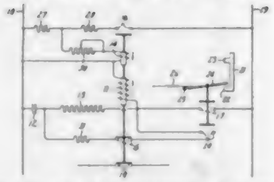
2,236,980
LIQUID PUMP OR MOTOR
Gustave A. Ungar, Pelham Manor, N. Y., assignor to Joseph F. Keller, New York, N. Y.
Application December 2, 1937, Serial No. 177,711
18 Claims. (Cl. 103—126)

2. In a device of the class described the combination with a casing having connected chambers, of a rotary shaft and toothed member in one chamber, rotatable abutment members secured to and rotatable with said shaft substantially contiguous the ends of the toothed member and within said chamber, a stationary shaft on which is mounted a rotatable toothed member in another chamber, a stationary abutment substantially contiguous each end of said second mentioned toothed member and secured to said stationary shaft between an end of the second mentioned chamber and its toothed member, the stationary abutments being recessed to receive the rotatable abutment members, said abutments and abutment members each being of a diameter to close the spaces between the teeth of the contiguous toothed member, said toothed



members, abutments and abutment members and rotatable shaft being adapted for limited axial movement within said chambers, the inner faces of adjacent stationary abutments and rotatable abutment members being maintained in substantially the same plane.

2,236,981
TIMING DEVICE
Fred H. Winter, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 21, 1939, Serial No. 300,603
7 Claims. (Cl. 175—320)

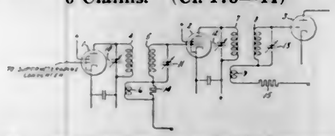


1. A timing device comprising a member biased to a predetermined position, a coil for moving said member to a second position, a capacitor, a resistance, a switch movable to a closed position to establish connections to energize said capacitor independently of said resistance and energize said coil thereby to charge said capacitor and move said member to its second position, a second switch operated by said member in moving to said second position for modifying said connections to establish a discharge circuit for said capacitor through said resistance and said coil in series when said first switch is opened thereby to hold said member in said second position for a predetermined interval of time after the opening of said first switch.

4. A timing device comprising a member biased to a predetermined position, a coil for moving said member to another position, a capacitor, a resistance, a switch movable to a closed position to establish connections to energize said coil and said capacitor to charge said capacitor and move said member to its second position, a second switch operated by said member in moving to said second position for modifying said connections to establish a discharge circuit for said capacitor through said resistance in series circuit with said capacitor, a second coil cooperating with said first coil, a third switch closed by movement of said member to said second position for energizing said second coil in opposition to said first coil, said capacitor being connected to discharge through said resistance and said first coil in series when said first switch is opened

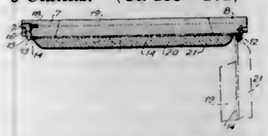
thereby to hold said member in said second position for a predetermined interval after the opening of said first switch.

2,236,982
COUPLING DEVICE
Joseph A. Worcester, Jr., Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 13, 1938, Serial No. 234,800
6 Claims. (Cl. 178—44)



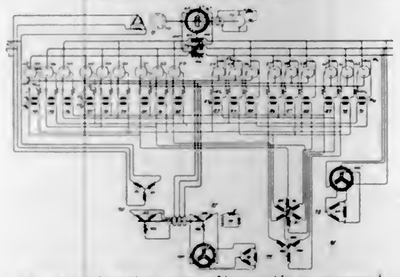
2. The combination, in a high frequency coupling system comprising a primary winding and two series connected secondary windings coupled to said primary winding, means to tune said primary winding and one of said secondary windings to the frequency to be transmitted, and means to render the voltages in said two secondary windings equal and of opposite phase at a different frequency.

2,236,983
FOOTREST
John Arthur Yusek, Cleveland, Ohio
Application April 5, 1938, Serial No. 200,116
6 Claims. (Cl. 155—171)



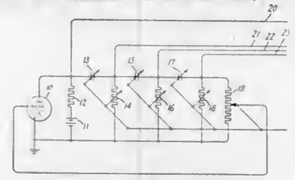
2. A footrest comprising two rigidly connected spaced foot supports each shaped to fit the sole and heel of a shoe and having an upwardly extending surface to engage the front edge of a heel thereof and adapted to underlie the sole of one foot, a movable support adapted to fill the space between said first mentioned foot supports, and means for detachably securing said movable support between said foot supports or for releasing it for removal from said position.

2,236,984
ELECTRIC MOTOR CONTROL SYSTEM
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 19, 1937, Serial No. 169,844
3 Claims. (Cl. 172—237)



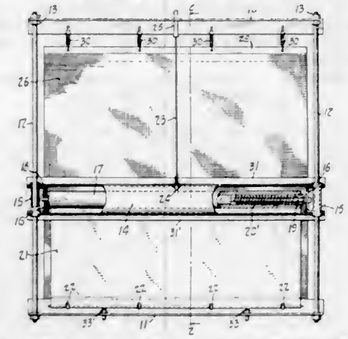
1. In combination, an alternating current circuit, an induction motor including inducing and induced windings, said inducing winding being connected to said circuit, a second alternating current circuit, electric valve means connected between said induced winding and said second circuit, and electric power conversion apparatus for transmitting variable amounts of power between said induced winding and said first mentioned circuit through said electric valve means comprising an alternating current machine connected to said second circuit and means associated with said alternating current machine for transmitting power between said first mentioned circuit and said alternating current machine.

2,236,985
OSCILLATOR
Everhard H. B. Bartelink, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 28, 1939, Serial No. 301,807
3 Claims. (Cl. 250—36)



1. The combination in an electron discharge apparatus comprising an electron discharge amplifier device having an anode, a cathode, and a control electrode, of a plurality of phase shifting circuits connected in cascade between said anode and said control electrode, each of said circuits having input and output terminals and comprising a variable reactance element and a variable resistance element connected serially between said input terminals and means connecting said output terminals respectively to the ends of a corresponding element in each of said circuits, means for applying between said control electrode and cathode an adjustable portion of the voltage from the output terminals of the last of said phase shifting circuits, and common means for decreasing all of said elements and varying said means simultaneously to increase the operating frequency in the order of four hundred times and to maintain the output of said apparatus substantially constant.

2,236,986
RADIATOR SHIELD
Lyle Beeman and Harold J. Kroll, Milwaukee, Wis., assignors, by mesne assignments, to J. W. Speaker Corporation, Milwaukee, Wis.
Application August 31, 1938, Serial No. 227,639
2 Claims. (Cl. 257—132)



1. A radiator shield for motor vehicle radiators

comprising a screen positioned over the face of said radiator, a shield, a carrier for one end of said shield movable to extend said shield to cover variable portions of said screen, and a blade on said carrier contacting said screen and movable with said carrier to clear said screen of foreign material.

2,236,987
METHOD OF CEMENTING WELLS
Ira C. Bechtold, Colton, Calif., assignor to California Portland Cement Company, Los Angeles, Calif., a corporation of California
Application January 4, 1939, Serial No. 249,251
6 Claims. (Cl. 166—21)

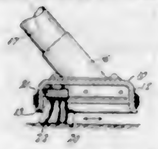


4. The process of cementing off formation in a vertically extending zone between a well casing and the formation, that includes introducing to said zone a highly mobile body of low specific gravity, abnormally aerated cement containing uniformly dispersed air particles held therein by a stabilizing medium, said cement having by reason of its air content abnormally increased expansibility during hydration, and allowing the cement to harden and expand within said zone.

2,236,988
CELLULAR CONCRETE
Ira C. Bechtold and John E. McKinney, Colton, Calif., assignors to California Portland Cement Company, Los Angeles, Calif., a corporation of California
No Drawing. Application February 20, 1939, Serial No. 257,334
11 Claims. (Cl. 25—155)

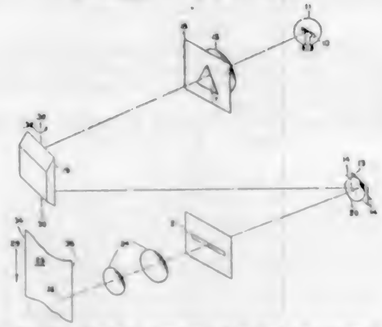
1. The process of making porous cementitious bodies that includes, mixing water with a finely ground cementitious material comprising particles coated with a stabilizing substance causing air particles to be adsorbed by said particles of the material while in dry condition, thereby forming a plastic mass having said air particles uniformly distributed therein, controllably varying the volume of said air particles to predetermine the porosity and final specific gravity of the mass, and allowing the mass to harden to permanently define the interstitial spaces formed by the air particles while their volume is so controlled.

2,236,989
VACUUM CLEANER
Gustaf Erik Bjorkman, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application March 19, 1938, Serial No. 196,836
In Germany March 19, 1937
1 Claim. (Cl. 15—158)



In a suction nozzle, a hollow body having an elongated suction opening adapted to be moved back and forth over a surface to be cleaned in a direction substantially at right angles to the lengthwise extent of said suction opening, a brush member extending lengthwise of said opening and having bristles projecting outwardly through said opening to contact said surface, the width of said brush member being substantially less than the width of said suction opening guide rails secured within said body adjacent to the ends of said opening and extending transversely thereof, and means secured to the ends of said brush member and engaging elongated slots in said guide rails for supporting said member within said body for sliding movement back and forth across substantially the entire width of said opening in a plane parallel to the plane of said opening and for limiting movement of said brush member to a direction transverse to said suction opening, said guide rails being resilient and the slots being located in portions of the guide rails spaced from said body, whereby said rails are deformable to disengage said means therefrom in order to remove said brush member from said nozzle.

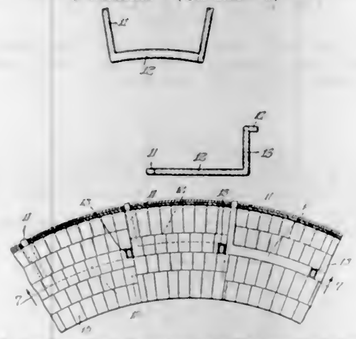
2,236,990
MEANS FOR ADJUSTING OPTICAL SYSTEMS
Alexander S. Blumenfeld, New York, N. Y., assignor, by mesne assignments, to J. A. Maurer, Inc., a corporation of New York
Application August 2, 1940, Serial No. 349,761
3 Claims. (Cl. 179—100.3)



1. In an optical system for the recording, by means of a light beam, of electrical impulses on a film which moves at the recording point in a substantially vertical direction, a holder for holding reflecting means which act on said light beam, means supporting said holder for rotation about a substantially vertical axis, said reflecting means being rotatable about said axis by said rotation of said holder, means creating a torque

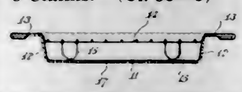
for rotating said holder about said axis, and means acting in opposition to said torque for fixing said holder in any adjusted position about said axis.

2,236,991
BLAST FURNACE CONSTRUCTION
Arthur J. Boynton, Winnetka, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois
Application August 5, 1939, Serial No. 288,503
3 Claims. (Cl. 122—6)



1. A cooler for furnace walls comprising an elongated hollow member of substantially uniform cross-sectional area throughout its length and having a portion adapted to extend inwardly from the outer face of a furnace wall, a second portion at approximately right angles to the first section and adapted to extend horizontally approximately parallel to the face of the wall, a third portion adapted to extend vertically of the furnace wall, and a fourth section adapted to extend from the third portion to the outer face of the furnace wall.

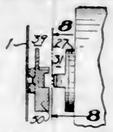
2,236,992
BROILING PAN
Charles V. Broadley, Riverton, N. J.
Application May 8, 1939, Serial No. 272,378
5 Claims. (Cl. 53—5)



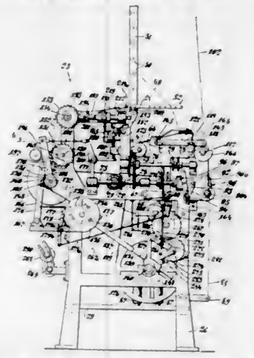
1. In combination with a broiling pan having a bottom wall and side walls, a rack for supporting the food to be broiled above the bottom wall, a removable liner overlying the inner faces of the bottom and side walls of the broiling pan, said liner consisting of a thin bendable metallic sheet conforming to the shape of the inside of the broiling pan, and said rack having portions in contact with said liner.

2,236,993
DISPENSING APPARATUS
Earl R. Crebbs, San Francisco, Calif.
Application April 1, 1940, Serial No. 327,125
10 Claims. (Cl. 242—55.2)

2. A container having end supporting walls, means on each of said walls cooperative to support a roller, one of said means comprising a member rotatably secured to such end wall and having a transverse groove therein extending on both sides of the rotational axis of said member, and a weight connected to said member for rotating said member in the absence of a roller to a position with said transverse groove in substantially a predetermined position to facilitate mounting of a roller on said roller supporting means in said container.

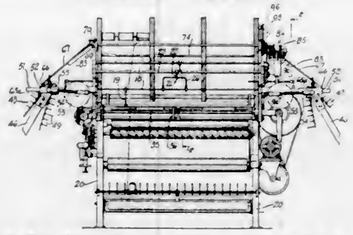


2,236,994
JACQUARD KNITTING MACHINE
Bruno Deri, Brooklyn, and Sebastian Gangi, New York, N. Y.
Application March 31, 1939, Serial No. 265,162
54 Claims. (Cl. 66—85)



1. A device including a jacquard knitting machine comprising a needle bed having hooked needles, means for feeding warp yarns to the needles, individual elements for the needles for laying weft yarns into the hooks thereof, means for projecting the needles outward of the needle bed and for retracting the needles, including means for retarding retraction of the needles at a point in the travel of the needles, while the weft yarn is being laid in the hooks thereof, and means for causing operation of said elements during the retardation in the retraction of the needles.

2,236,995
FLAT KNITTING MACHINE
Bruno Deri, Brooklyn, and Sebastian Gangi, New York, N. Y.
Application June 2, 1939, Serial No. 276,954
13 Claims. (Cl. 66—85)



1. A flat knitting machine comprising a reciprocatory rockable bar for carrying eye fingers for feeding warp yarn to the needles of the machine, said bar being mounted adjacent to its ends on

the frame of the machine, and means for supporting said bar at an intermediate point to prevent sagging of the bar, comprising a bearing element for the bar, and a bridge member mounted on said bar and extending partially along the bearing element, said bridge member having means for operatively mounting finger elements at the area along the bar occupied by the bearing element.

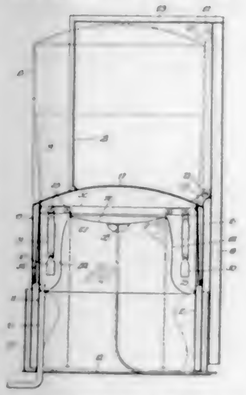
2,236,996

BREATHER RESERVOIR OF THE GAS HOLDER TYPE

Clifford A. Ellis, Ridgefield, N. J.

Application May 10, 1939, Serial No. 272,842

14 Claims. (Cl. 48—178)



1. In a breather reservoir of the character described, in combination, an open top tank, a diaphragm of flexible material located within said tank and having connection around its periphery to the walls of the tank, a holder bell having telescoping relation with said tank and which forms with said diaphragm a reservoir of variable capacity, said holder bell providing the top wall of said reservoir and the diaphragm providing the bottom wall, means providing a seal between the tank and holder bell preventing the escape of vapors from said reservoir although permitting vertical movement of the holder bell with respect to the tank, and means constructed and arranged to slightly more than balance said diaphragm to maintain the same in a raised position when the pressure within the reservoir is atmospheric or below, whereby said diaphragm will move downwardly within the tank against the action of said balancing means when the pressure within the reservoir is greater than atmospheric.

2,236,997

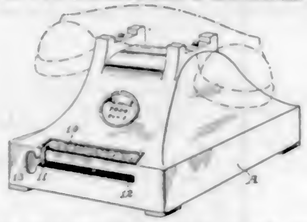
DIALING ARRANGEMENT FOR SUBSTATION SENDERS

Maxwell R. Feinberg, New York, N. Y.

Application September 21, 1939, Serial No. 295,922

2 Claims. (Cl. 179—90)

1. A station calling arrangement for automatic telephone installations comprising a telephone stand, and a signalling arrangement within said stand, said stand having a plane vertical wall and a wall having a substantially horizontal portion which meets said vertical wall, a horizontal slot in said vertical wall, an operating member for said signalling arrangement having a portion thereof projecting through said slot and a vertical portion extending upwardly from said projecting portion, a straight scale on said horizontal wall portion, and a horizontal pointer



carried by said vertical portion of the operating member and adapted to move over said scale as the operating member is moved.

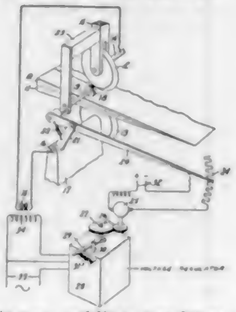
2,236,998

RESISTANCE WELDING

Robert T. Gillette, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application June 23, 1939, Serial No. 280,783

7 Claims. (Cl. 219—4)



1. A resistance welding machine comprising means including an electrode for applying welding current to the parts to be welded, means for measuring the thickness of said parts subjected to said welding current, and means controlled by said measuring means for adjusting the supply of welding current to said electrode in accordance with the measured thickness of said plates.

2,236,999

FLUID PRESSURE REGULATING APPARATUS

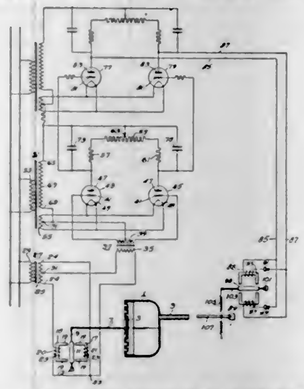
Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 21, 1936, Serial No. 106,797

4 Claims. (Cl. 172—239)

4. In combination, a transmitting electrical network having a pair of electrical coils, magnetic core means associated with each coil and magnetic armature means associated with said core means, said core and armature means being so disposed relative to each other that the movement of said armature means in one sense produces an increase in the reactance of one coil and a decrease in the reactance of the other coil and a movement of said armature in the opposite sense produces an increase in the reactance of said last-mentioned coil and a decrease in the reactance of said first-mentioned coil, a receiving electrical network including a pair of electrical coils, magnetic core means associated with each coil and armature means

associated with said core means, said core and armature means being so disposed relative to each other that current flow in one coil produces movement of said armature means in one sense and current flow in the other coil produces movement of said armature means in the opposite sense and means responsive to the variations of the impedance of the coils in said transmitting network for causing current to



flow in said receiving network, said last named means including a plurality of electric discharge devices each having a plurality of principal electrodes and a control electrode, means for impressing potential between the said principal electrodes and means including the coils of said transmitting network for impressing potential on the control electrodes of said discharge devices.

2,237,000

HINGE CONSTRUCTION FOR COOKING DEVICES

David W. Gustaveson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application March 10, 1939, Serial No. 261,009

9 Claims. (Cl. 16—174)



1. In a separable hinge construction, hinge brackets having a slot adjacent the upper ends thereof, a hinge plate, a pintle mounted on said hinge plate, an end wall on said hinge plate partially surrounding said pintle and having recesses therein through which said brackets may be inserted to engage said pintle when said members are in a narrow range of position, and means for interlocking said brackets and hinge plate when said members are in all other positions.

2,237,001

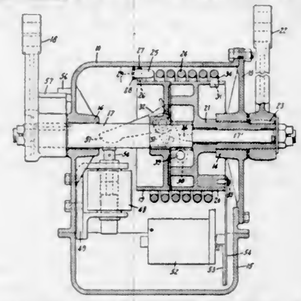
SPRING MECHANISM FOR AUTOMATICALLY OPERATING SWITCHES

Howard R. Harrison, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York

Application January 10, 1940, Serial No. 313,233

6 Claims. (Cl. 74—97)

1. In a control apparatus for a switch, the combination of a plurality of drums coaxially mounted for relative rotation with respect to one another, energy-storage means surrounding said drums, latching means mounted in the face of



one of said drums adjacent the other drum for holding said drums in fixed relationship to each other, and means for tripping said latching means so that energy-storing means causes rotation of one drum relative to the other.

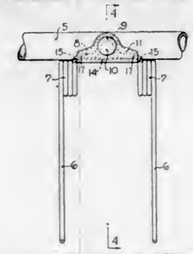
2,237,002

RAKE

George N. Kelley, Ottumwa, Iowa, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a corporation of Iowa

Application November 10, 1939, Serial No. 303,833

4 Claims. (Cl. 56—400)



4. In a rake structure including a cylindrical rake bar and a tooth having a pair of spaced tines connected together by an attaching shank, a clip for mounting said tooth on the rake bar, said clip being formed of sheet metal and having a substantially flat top portion overlying the shank of the tooth and inwardly turned sides extending around said shank and contacting the rake bar at circumferentially spaced points, and a bolt extending through said top portion of the clip for tightly clamping the shank between the rake bar and the top portion of the clip and the sides of the clip against the rake bar.

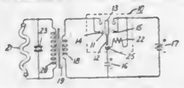
2,237,003

VIBRATOR CURRENT-CONVERTING SYSTEM

Ordean Kiltie, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application June 14, 1940, Serial No. 340,548

18 Claims. (Cl. 175—365)



1. In an electric system for converting direct current into alternating current, a vibratory

switch including a resiliently mounted movable contact adapted alternately to engage fixed contacts on either side thereof during periods of energization of said switch and to be out of engagement with said contacts during periods of deenergization of said switch, a capacitor, an output transformer, a source of direct current adapted to charge said capacitor through said switch, said capacitor being connected between said movable contact and one of said fixed contacts and being in series with and adapted to energize a primary winding of said transformer through said switch, and a winding for actuating said switch connected between said movable contact and the other of said fixed contacts and in series with said direct current source, the reactances of the series circuit including said capacitor and said primary winding being such and said vibratory switch being so proportioned and arranged that the natural vibration frequency of said switch is less by a predetermined amount than the frequency to which said circuit is tuned.

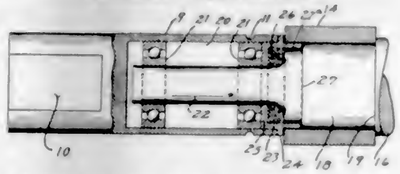
2,237,004

SELF-LUBRICATING BALL BEARING FOR THE TOP ROLLS OF CARD ROOM DRAWING

John L. King, Columbus, Ga., assignor to C. R. Medley, Columbus, Ga.

Application August 12, 1938, Serial No. 224,516

8 Claims. (Cl. 19—142)



1. A top roll for card room drawing frames, having reduced ends to form spacer collar seats and spindles, a spacer collar mounted fast on each seat, a loose bearing sleeve for each spindle, each spindle being reduced in diameter and its respective sleeve having its bore enlarged to provide between them a chamber adapted to receive ball bearings and a charge of lubricant, an annular packing groove formed between the outer end of each seat and its collar, ball bearing elements interposed between each spindle and its respective bearing sleeve, and an end sealing cap for each sleeve bearing chamber having its inner end fitted tightly into its respective sleeve and apertured for the spindle to pass therethrough with a close running fit and its outer end cylindrical and adapted to project from its sleeve so as to work with a close running fit in the adjacent annular packing groove in its respective spacer collar.

2,237,005

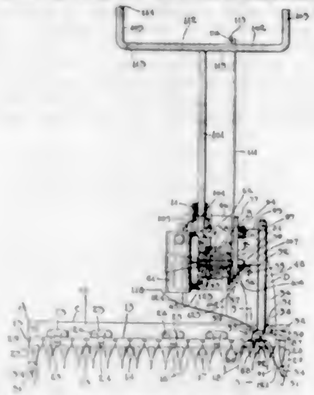
MOWER

Robert S. Kinkead, St. Paul, Minn.

Application October 15, 1938, Serial No. 235,176

7 Claims. (Cl. 56—26.5)

1. A mower comprising a sickle and a frame therefor, a rearwardly extending frame member connected to said frame laterally of the center of said sickle, a vertical frame member issuing upwardly from said rearwardly extending frame member, a horizontal frame member connected to the upper end of said vertical frame member, braces connecting said frame members together, a traction wheel carried by said last named vertical frame member, a power unit carried by said last named horizontal frame



member, means for driving said traction wheel from said power unit and means for driving said sickle.

2,237,006

ELECTRIC HYGROMETER

Lewis R. Koller, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 21, 1938, Serial No. 203,297

5 Claims. (Cl. 201—63)



1. A humidity responsive element which varies in electrical conductivity with variations in humidity, said element comprising an aluminum base having an electrolytic refractory oxide film thereon and a gold foil lying against and substantially covering the oxide film, with electric terminals connected to the aluminum base and to the gold foil, said film comprising a moisture sensitive oxide of the group consisting of aluminum oxide and chromium oxide, and said gold foil being sufficiently thin to permit atmospheric moisture to reach and affect the oxide film.

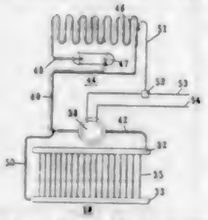
2,237,007

REFRIGERATING APPARATUS

Andrew A. Kucher, Dayton, Ohio

Application August 14, 1937, Serial No. 159,156

2 Claims. (Cl. 62—116)



2. A refrigerator comprising in combination, a cabinet having a food storage compartment and a machinery compartment; an evaporator in the food storage compartment; means in the machinery compartment for withdrawing gaseous refrigerant from the evaporator and for compressing the same; a condenser in the machinery compartment, operatively connected with said means, for cooling and liquefying the compressed refrigerant; and means for delivering refrigerant from the condenser to the evaporator and forming the sole metering means for controlling the flow of the refrigerant from the condenser to the evaporator, said means consisting merely of a small diameter, substantially non-tortuous tube disposed substantially entirely outside of the evaporator and out of heat exchange relation therewith, the last mentioned means comprising substantially the entire conduit between the condenser and evaporator.

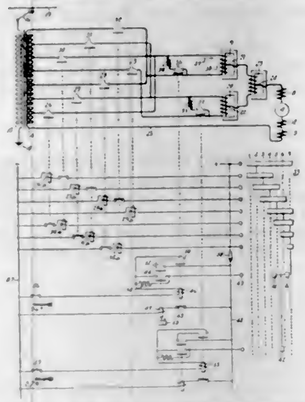
2,237,008

CONTROL SYSTEM

Jacob W. McNairy, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application August 4, 1939, Serial No. 288,371

9 Claims. (Cl. 171—119)



1. A control system comprising a supply transformer having a plurality of different voltage taps, a preventive coil, tap switching means for connecting the terminals of said preventive coil to a pair of said taps and for disconnecting one terminal of said preventive coil from one of said taps and connecting said terminal to another tap, an impedance, impedance switching means for connecting said impedance across said preventive coil, and means operated by said tap switching means for operating said impedance switching means to connect said impedance across said preventive coil before said tap switching means is operated to disconnect one terminal of said preventive coil from one of said taps and for operating said impedance switching means to disconnect said impedance after said tap switching means is operated to connect said terminal to another tap.

2,237,009

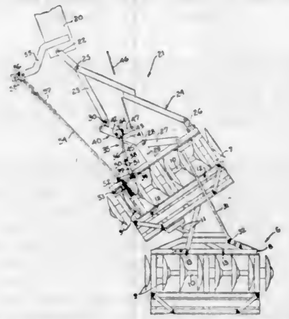
DISK HARROW

Rollie H. Mitchell, Huntington Park, Calif., assignor to Killefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California

Original application May 5, 1936, Serial No. 77,974, now Patent No. 2,169,471, dated August 15, 1939. Divided and this application July 17, 1939, Serial No. 284,828

18 Claims. (Cl. 55—83)

1. A disk harrow comprising a front disk gang, a rear disk gang, means interconnecting said gangs providing for relative angling movement of said gangs in a horizontal plane, hitch means connecting said front gang to a suitable draft means, a draft connection between said hitch means and said rear gang, means for locking said gangs in a predetermined position relative to each other, said locking means including a pair



of toggle links connected between said gangs and disposed in dead center locking relation when the gangs are in said predetermined position, and control means by which said links can be moved out of said dead center locking relation to permit said gangs to be moved out of said predetermined position.

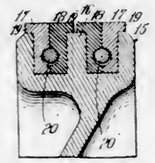
2,237,010

PISTON RING ASSEMBLY

Henry E. Muchnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas

Application April 30, 1937, Serial No. 139,916

8 Claims. (Cl. 309—29)



1. A piston ring assembly comprising a plurality of segmental sections arranged in a circumferential row; certain of the sections being composed of relatively hard metal and certain of the sections being composed of relatively soft metal; alternate sections in the same row being of the same metal.

2,237,011

SIMULTANEOUS PRODUCTION OF MAGNESIUM AND LOW CARBON FERROALLOYS

Ernst A. Pokorny, London, England, assignor to "Electrometal" Societe Anonyme, of Luxemburg

No Drawing. Application November 13, 1939, Serial No. 304,153

4 Claims. (Cl. 75—67)

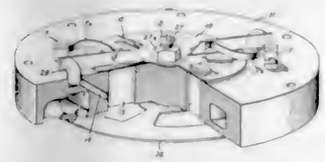
1. A process for the recovery of a binary ferroalloy and of magnesium from a ternary ferro silicon alloy and a magnesia containing material which process comprises the steps of reacting the magnesia containing material with a ternary ferro silicon alloy selected from the group consisting of ferro-manganese-silicon and ferro-chromium-silicon, and removing the magnesium, and separating the binary ferroalloy from the silica containing slag.

2,237,012
PNEUMATIC MATTRESS AND THE LIKE
Robert W. Sampson, New York, N. Y., assignor to Sampson Rubber Products Corporation of Delaware, New York, N. Y., a corporation of Delaware
Application March 2, 1940, Serial No. 321,808
5 Claims. (Cl. 5—348)



1. As a new article of manufacture, an integral, rectangular, pneumatic core for mattresses and the like, provided on its upper face with a series of air chambers separated by depressions and having a surrounding, outwardly projecting, flat, angular edge, the core having in its lower face a plurality of larger, locally arched, parallel air chambers transversely disposed relative to said first mentioned series of air chambers, and medially disposed, and on each side a plurality of smaller air chambers with flattened connecting members forming a continuous side, with an outwardly projecting angular edge substantially parallel to the edge of the top.

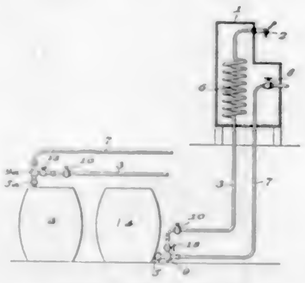
2,237,013
VALVE ASSEMBLY
Elwood M. Stanbery, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application October 20, 1938, Serial No. 236,125
6 Claims. (Cl. 137—153)



6. A valve structure for compressors or the like comprising a body having a main port therethrough, a valve for closing said main port, a main operating member operatively associated with said valve, and means for initiating the opening of said valve including an auxiliary port through said body and an auxiliary operating member operatively associated with said valve and controlling fluid flow through said auxiliary port, said means being arranged for moving said valve to uncover a portion of said main port whereupon the compressed fluid is directed against said main operating member for completing the opening of said valve.

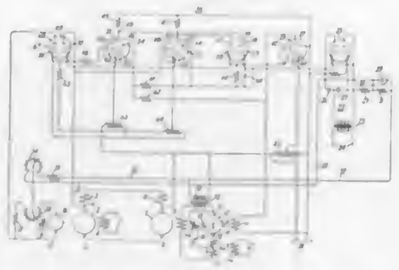
2,237,014
BEVERAGE DISPENSING SYSTEM
Carl Stoehrer, Lawrence, Mass.
Application April 18, 1940, Serial No. 330,282
6 Claims. (Cl. 225—12)

1. A delivery system for a source of beverage under pressure, said system comprising a delivery conduit, a second conduit to be connected to a source of cleansing liquid under a pressure in excess of that on said beverage, pressure operable valve means to connect said beverage source and said second conduit to said delivery conduit, the pressure on said beverage normally maintaining said valve means in a position admitting the beverage to said delivery conduit, a shut-off valve in control of said second conduit, and pressure



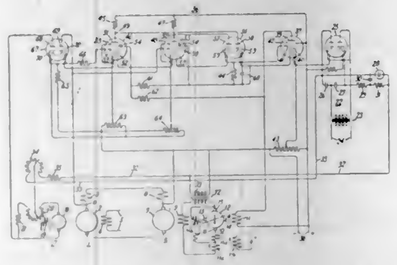
regulating means in said delivery conduit to reduce the pressure therein when said shut-off valve is opened to disconnect said beverage source from said delivery conduit and to replace the beverage in said delivery conduit.

2,237,015
ELECTRIC CONTROL SYSTEM
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 24, 1939, Serial No. 280,924
16 Claims. (Cl. 172—239)



16. In combination, a motor having an armature circuit, a generator for controlling an operating condition of said motor and having an armature circuit connected to the armature circuit of said motor and having a field winding, means for variably energizing said field winding to control the voltage of said generator and comprising an electronic discharge device having a control grid, control means responsive to an operating condition of said motor for producing a voltage which varies in response to said operating condition, an impedance element, means responsive to said voltage for transmitting variable amounts of unidirectional current through said impedance element for impressing a variable control potential on said control grid and comprising an electric valve means having a pair of electric discharge paths, one of said paths being energized from said control means, and a control circuit connected between corresponding terminals of said armature circuits of said motor and said generator and comprising the other electric discharge path and said impedance element for limiting the maximum value of said control potential impressed on said control grid to effect a limitation of the maximum energization of said armature winding of said motor.

2,237,016
ELECTRIC VALVE CONTROL CIRCUIT
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 24, 1939, Serial No. 280,924. Divided and this application August 9, 1940, Serial No. 351,970
6 Claims. (Cl. 172—239)

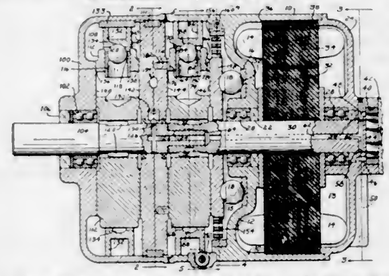


1. In combination, a source of current, a load circuit, electric valve means connected between said source and said load circuit for controlling the current transmitted to said second circuit, said electric valve means having a control member, an impedance element, an electronic discharge device of the controlled type for transmitting variable amounts of current from said source through said impedance element to control the voltage impressed on said control member, means for controlling the conductivity of said electronic discharge device, a second electronic discharge device for transmitting variable amounts of unidirectional current from said source through said impedance element, a pair of unidirectional conducting paths connected between said first mentioned and said second mentioned electronic discharge devices and said impedance element for selectively deriving control from that discharge device providing the predominating control voltage, and means for controlling the electronic discharge devices comprising a second pair of unidirectional conducting paths selectively responsive to two different predetermined controlling influences.

2,237,017
ATTACHING GELATIN LAYERS TO SUPPORTS OF POLYMERIZED VINYLCHLORIDE
Kurt Thinius, Eilenburg, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application April 13, 1939, Serial No. 267,613. In Germany April 27, 1938
7 Claims. (Cl. 91—69)

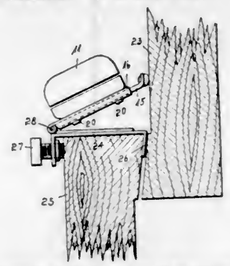
1. In the process of coating a gelatin layer on top of a support consisting of polymerized vinyl chloride, the improvement which comprises inserting an intermediate layer between said gelatin layer and said support, said intermediate layer containing a mixed polymerizate produced from vinyl chloride and a compound selected from the group consisting of esters of vinyl alcohol, acrylic acid esters and mixtures thereof, the ester component being more than 40 per cent of said mixed polymerizate.

2,237,018
POWER TRANSMISSION
Ralph L. Tweedale, Waterbury, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application February 11, 1937, Serial No. 125,252
9 Claims. (Cl. 60—53)



1. In a fluid pressure energy translating device the combination of two relatively rotatable members, means forming an expansible chamber in one member, motion converting means for expanding and contracting said chambers in response to relative rotation of said members, means forming an inlet and an outlet passage in the other member, said members each maving a flat face in abutting relation with each other and containing ports communicating respectively with the expansible chamber and to the inlet and outlet passages, a pressure plate having a flat face, a flat face on the one member abutting the flat face of the pressure plate and having a pressure balancing port communicating with the expansible chamber and of equal area and directly opposed to the other port in the one member, helical means for causing the pressure plate to move axially toward the one member upon rotation of the plate in one direction, and means for urging the plate to rotate in that direction.

2,237,019
COMBINATION CLAMP MOUNTING WITH WINDOW LOCK AND ALARM
Alfred O. Vinz, Monterey Park, Calif.
Application May 20, 1939, Serial No. 274,779
4 Claims. (Cl. 116—16)



1. In an alarm of the class described, a bell, a bracing-arm made in slidingly interengaging sections for longitudinal yielding, one of the sections constituting the bell-support, the other section constituting the bell-controlling member, the bell-support having hinge knuckles at the rearmost edge forming at the same time a stopping means for the yielding movements of the bell-controlling member so as to make both sections a firm non-yielding brace, the bell-support having a slot, the bell-controlling member having a lug extending through the slot in the bell support at

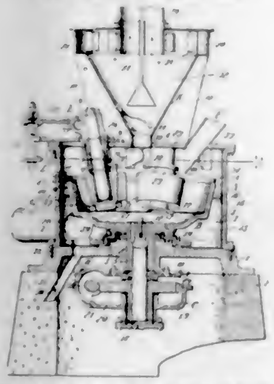
a point for controlling the bell-mechanism for stopping and releasing the bell mechanism by means of the yielding actions between the two sections of the bracing-arm, and a clamp-mounting with means by which it may be clamped to the upper edge of the lower sash of a window and having hinging means for connection with the hinge knuckles of the bell-support so as to bring the free edge of the bell-controlling member into bracing engagement with the upper sash of the window.

2,237,020
ROTARY PLUG VALVE
Warren Marlin Wilson, Wayne, Pa.
Application June 30, 1939, Serial No. 282,093
7 Claims. (Cl. 251—97)



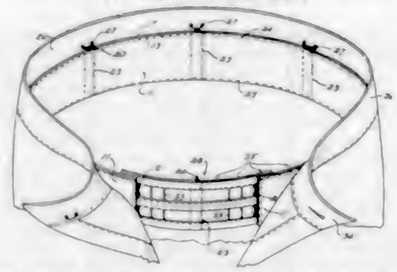
2. In a rotary plug valve comprising a seat, plug and stem, the combination of a pair of split bushings rotatable with the stem, a pair of eccentric bushings mounted in said split bushings, an eccentric shaft rotatably mounted in said eccentric bushings, and an ob-round hole in the valve stem through which said eccentric shaft passes and with which it cooperates to impart axial movement to the stem and plug.

2,237,021
AIR FLOW CONTROL FOR BOWL MILLS
Wilfred R. Wood, New York, and Kurt Toensfeldt, Port Washington, N. Y., assignors to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application October 8, 1938, Serial No. 233,902
8 Claims. (Cl. 83—45)



1. A mill comprising a closed casing, a grinding ring mounted within the casing for rotation about a central vertical axis, means for supporting and rotating the grinding ring, a plurality of grinding elements mounted to engage the grinding ring, means for introducing material to be ground between the ring and grinding elements, there being an annular air passage between the grinding ring and the enclosing wall of the casing, means for forcing air upwardly through this annular passage to carry away pulverized material in suspension, and a plurality of arcuate, spaced apart ribs aligned end to end to form a horizontally extending circumferential series within the air passage, the ribs being positioned in those portions of the passage adjacent to and radially beyond the grinding elements and functioning to restrict these portions of the annular passage and cause the greater portion of the air flow to pass through the unrestricted portions of the passage between the opposed ends of the ribs and opposite the spaces between the grinding elements.

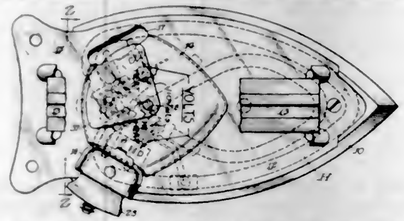
2,237,022
BELT
Admiral L. Andrews, Shawnee, Okla.
Application May 22, 1939, Serial No. 274,989
4 Claims. (Cl. 2—237)



4. In combination with a pair of trousers having a waistband, a belt construction for the detachable connection of same to the inside waistband of said trousers, which includes a plurality of inwardly opening hooks attached in spaced relation along the upper edge of the belt, each hook including a shank portion attached transversely to the belt and adapted to normally lie in an upright, or substantially vertical plane and a semi-oval hook portion opening toward the inside of said belt, the opposite sides of said hook portion being substantially parallel and lying in respective planes which are substantially at rightangles to said shank portions; and eyelets secured in corresponding position on the inside of the trousers waistband, the bar portion of said eyelets running parallel to the edge of said belt.

2,237,023
ELECTRIC CIRCUIT AND PLUG CONNECTION
Gwilym Stanley Braun, Strasburg, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application April 3, 1939, Serial No. 265,657
4 Claims. (Cl. 219—20)

1. In an electrical appliance, a heating element, two pairs of terminal prongs, one pair being effective to connect the two halves of said heating element in series circuit with a cord plug when associated therewith and the other pair thereof being effective to connect the two halves of the heating element in parallel circuit with the cord plug when associated therewith, a housing for said pairs of prongs, a cover for each pair of prongs, a shiftable control element operable to positively retain one of said covers closed while the other one is permitted to open and vice versa, and indicia on said housing, a part of

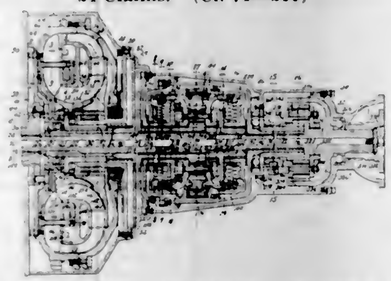


said indicia being concealed by said control element when the control element is in position to retain one of said covers closed, and another part of said indicia being concealed by said control element when in position to retain the other one of said covers closed.

2,237,024
PAINT
Richard A. Crawford, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 31, 1939, Serial No. 276,631
5 Claims. (Cl. 260—734)

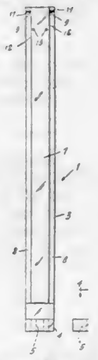
1. A paint comprising thermoprene, cashew nut shell oil and a liquid carrier which dries by evaporation.

2,237,025
CENTRIFUGALLY CONTROLLED AUTOMOTIVE TRANSMISSION GEAR
Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio
Application November 7, 1938, Serial No. 239,224
24 Claims. (Cl. 74—260)



1. Transmission mechanism comprising, a housing, a driving member and a driven member rotatably supported in the housing, a sun gear permanently secured to the housing against rotation, a ring gear rotatable coaxially with the sun gear, planet pinions rotatably in mesh with the sun gear and the ring gear, a planet pinion carrier, a clutch mechanism operative at low speed to positively secure the driven member to the carrier in two way driving relation, but operable above a predetermined increase in speed to release the driven member from the carrier and connect it to the ring gear in two way driving relation, a second clutch mechanism operative at moderate speed to positively secure the driving member to the ring gear in two way driving relation but operable at a higher predetermined increase in speed to release the driving member from the ring gear and connect it to the carrier in two way driving relation, ratchet means in the first said clutch mechanism whereby, during the transition period between its two said two way driving connections, the driven member is overrunningly connected to rotate slower but not faster than the ring gear and faster but not slower than the carrier, and ratchet means in the second said clutch mechanism whereby during the transition period between its two said two way driving connections, the driving member is overrunningly connected to rotate faster but not slower than the carrier and slower but not faster than the ring gear.

2,237,026
PRINTING PRESS FEEDER
Fred J. Dietrich, Lemay, Mo.
Application February 13, 1940, Serial No. 318,740
5 Claims. (Cl. 271—61)



1. In a printing press feeder, including a table, a blowhead, a stationary platform, front and back pile guides, rack bars for raising and lowering the table, the latter having a longitudinal groove or track in its front vertical face, means removably mounted in said groove, and complementary means removably mounted on said platform, adapted to support and control two piles of sheets during feeding operations, the former means comprising a sheet support provided with a tongue at one side thereof adapted to enter said longitudinal track, a groove at the opposite side thereof, and a longitudinal vertical rib depending from the under side thereof adjacent said tongue, and the latter means including a base portion and a vertical portion, the latter having a rib or tongue adapted to seat within the groove of said support.

2,237,027
PUMP
Oscar H. Dorer, East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application November 4, 1938, Serial No. 238,765
1 Claim. (Cl. 103—103)

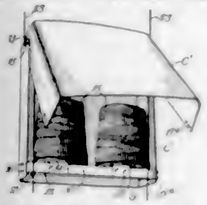
In a vertical centrifugal pump, an impeller, a casing comprising a relatively large substantially cylindrical suction chamber forming section having a fluid inlet therein, a portion of said suction chamber forming section shaped to form the discharge volute of the pump, an annular disc formed in said casing section and forming the suction side of the impeller enclosing chamber of the casing, a removable back section forming the back of the impeller enclosing chamber of the

casing, a supporting base beneath said suction chamber forming section, a clamping ring within said base for holding said back section in place,



said base provided with an opening in its side to permit removal of said back section, clamping ring and impeller therethrough.

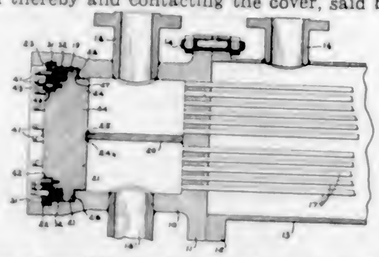
2,237,028
TWINE HOLDER
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company Incorporated, Des Moines, Iowa, a corporation of Iowa
Application December 30, 1940, Serial No. 372,294
10 Claims. (Cl. 242—146)



5. In a twin holder, a casing including a front member and a back member, upper and lower supporting bars for said back member, said front member being hingedly connected to said back member and means on said lower supporting bar to support a spool of twine.

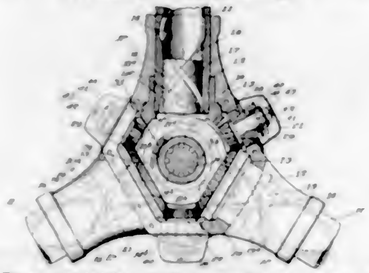
2,237,029
HIGH PRESSURE HEAD
Frederick K. Fischer, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 9, 1938, Serial No. 201,043
2 Claims. (Cl. 220—55)

2. Apparatus of the character described comprising a body member including an annular wall portion having an interior outwardly-facing sealing surface and a bore extending from said surface to the outer end of the wall portion, said wall portion having an annular groove opening into the bore and arranged intermediately of said surface and said outer end and providing an inwardly-facing thrust shoulder, a cover having a sealing surface cooperating with said first-mentioned sealing surface, a plurality of shear pieces in abutting relation to said thrust shoulder, a pressure ring abutting the inner surfaces of the shear pieces, and bolts under compression carried thereby and contacting the cover, said bolts



being adjustable at all times from exteriorly of the body member to vary the sealing pressure at the sealing surfaces.

2,237,030
AERONAUTICAL PROPELLER
Paul J. Gathmann, Lombard, Ill.
Application June 14, 1938, Serial No. 213,646
7 Claims. (Cl. 170—162)

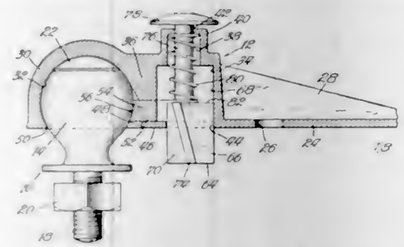


1. In a variable pitch propeller, a hub and a plurality of blades carried thereby, each blade having a closed hollow shank mounted in the hub for rotation about its own axis, weights guided for movement respectively within said hollow shanks in response to centrifugal force when the propeller revolves, said weights and the inner surfaces of the hollow shanks having inter-engaging helical features, the weights being restrained against rotation whereby the movement of the weights along the shank axes tends to cause rotative adjustment of the propeller blades, a crank plate journaled within the hub, and substantially straight links connecting said crank plate with said weights respectively to insure equal and simultaneous movements of the weights along the respective axes of the blade shanks to synchronize and equalize the adjustment of the blades, and a torsion spring yieldingly connecting the plate to the hub and opposing rotation of the plate in response to the action of centrifugal force on said weights.

2,237,031
TRAILER HITCH
John L. Gilmore, Kansas City, Mo.
Application September 18, 1939, Serial No. 295,481
7 Claims. (Cl. 280—33.17)

6. A trailer hitch comprising a male coupling member, a shell having a recess for the retention of said male member, and locking means for securing the male member in the socket, said locking means including a substantially horizontally reciprocable block adapted to be advanced into engagement with the male member and withdrawn therefrom, a horizontal track for the

block, said block being shaped on one end to engage the male member and having a recess in the other end with overlapping lips, a substantially vertically reciprocable shaft having an inclined flange slidably held within the recess of

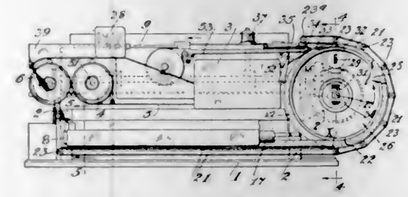


the block adapted to have one face thereof positioned for engagement against the block to force it into locking position and another face positioned for engagement with the lip for shifting said block out of locked position.

2,237,032
PROCESS OF INCREASING THE SOUND ABSORPTIVE PROPERTIES OF CELLULAR GLASS
Elmer H. Haux, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application February 19, 1938, Serial No. 191,565
2 Claims. (Cl. 49—89)

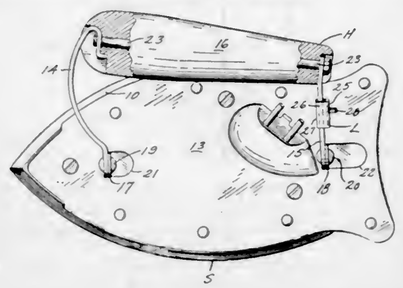
1. A process of increasing the sound absorptive properties of cellular glass which comprises heating the cellular glass to approximately 300 degrees F. and then cooling it rapidly to fracture a large percentage of the walls surrounding the individual compartments contained in the cellular structure to provide communicating channels between the cells.

2,237,033
CIGARETTE MANUFACTURING MACHINE
Paul Johannes Herrmann, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application February 18, 1936, Serial No. 64,529
In Germany February 19, 1935
10 Claims. (Cl. 131—66)



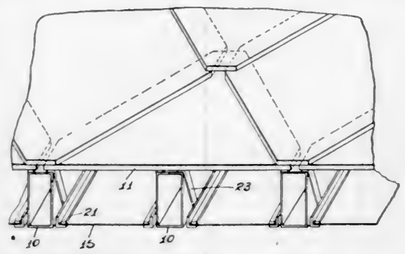
2. In a cigarette machine, the combination of means for feeding tobacco in one direction, means for forming said tobacco and a strip of paper into a cigarette rod, moving in the opposite direction, means interposed between said two means for conveying the said tobacco from the feeding means to the rod-forming means, and a tobacco spreader for supplying said feeding means with tobacco, arranged below the rod-forming means.

2,237,034
HANDLE STRUCTURE FOR SADIRONS AND THE LIKE
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 9, 1939, Serial No. 249,841
4 Claims. (Cl. 38—90)



1. In a handle structure for sadirons and the like, a sadiron including an ear upstanding with respect thereto, a handle pivoted to said ear and adapted to assume an upright position for use or a supine position during transportation of said sadiron and means for locking said handle in upstanding position comprising a sleeve on said handle adjacent said ear and slidably movable to a position surrounding both the handle and said ear when the handle and ear are aligned with each other, said sleeve having a lug projecting at substantially right angles from a surface thereof to be engaged by the fingers of the user to slidingly manipulate said sleeve.

2,237,035
LIGHT SCREEN FOR BUILDING CONSTRUCTIONS
Percy E. Knudsen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 14, 1938, Serial No. 234,993
2 Claims. (Cl. 108—16)



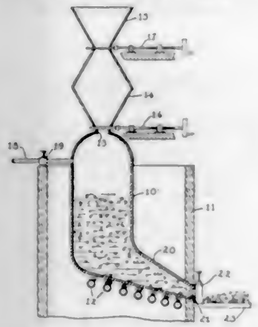
1. A glare screen for use under a transparent or translucent roof, said roof being disposed upon supporting rafters, which screen is of approximately the same width as the space between the rafters, and further is provided with means for securing it in position between the rafters, the means consisting of strips of relatively springy metal secured to the edges of the screen and extending vertically above the screen, and having their upper extremities bent laterally to admit of releasably hooking them over the upper faces of the rafters without disturbing the roof above, or the adjacent screens.

2,237,036
TEMPERATURE MEASURING APPARATUS
Anker E. Krogh, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 26,130, June 12, 1935. This application May 20, 1937, Serial No. 143,815
5 Claims. (Cl. 73—343)



1. Means for measuring the temperature at the combustion chamber side of a highly heated furnace combustion chamber wall, comprising a water cooled mounting element mounted in said wall, a block of refractory mounted in said element and composed of material having relatively high heat conductivity, a temperature responsive element mounted in said block and responsive to the temperature of the latter, and means deflected by said element.

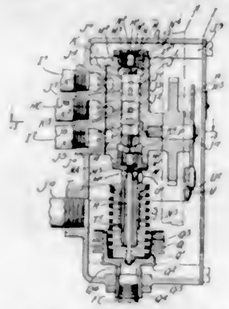
2,237,037
METHOD OF PREPARING CELLULAR GLASS
William O. Lytle, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 8, 1937, Serial No. 173,390
1 Claim. (Cl. 49—77)



A process of forming a multi-cellular glass which comprises heating pulverized glass admixed with water in a closed container, and continuing to heat the material under pressure until the particles of glass are sintered together to form a coherent viscous mass, containing small bubbles of entrapped steam under pressure, then reducing the pressure upon the mass, while it is still viscous, to effect cellulation of the mass by expansion of the compressed steam entrapped therein, and subsequently cooling the resultant body.

2,237,038
FLUID PRESSURE CONTROL APPARATUS
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 16, 1937, Serial No. 137,247
11 Claims. (Cl. 121—41)

1. In a regulator including a fluid pressure motor element adjustable to different positions by different motive fluid actions thereon, a valve mechanism adjustable to subject said element to said different sections and comprising a supporting structure enclosing a valve chamber having an exhaust port at one end, a valve member axially movable in said chamber, a bellows, a spring, and a spring abutment mounted in said structure and each coaxial with said chamber and valve, said bellows having a movable end wall, an operative connection between said end



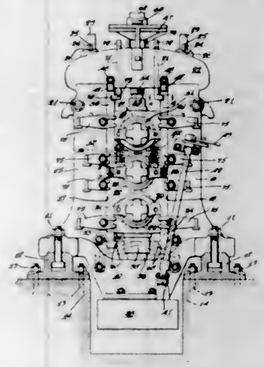
wall and valve member including a portion extending loosely through said port, means for subjecting said end wall to a variable controlling pressure tending to move it in one direction, said spring acting between said abutment member and end wall in a direction tending to move the latter in the opposite direction, and a mechanical connection between said element and abutment member through which the latter is given movements axial of said chamber proportional to the movements of said element.

2,237,039
FAN STRUCTURE
Eugene Newnham, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application December 14, 1937, Serial No. 179,694
7 Claims. (Cl. 170—173)



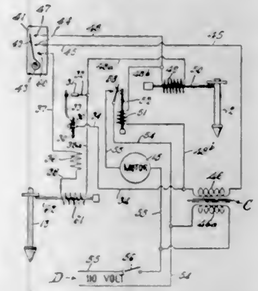
1. In a fan structure, a faring member having slots therein extending from the base of the faring member toward the nose thereof, said slots being shaped to the desired pitch angle for the fan blades, a fan blade member having a plurality of flexible blades received in said slots, a cover member for said base of said faring member, said cover member closing the open ends of said slots, tie members through said faring member and cover member for holding them assembled relative to each other, one of said tie members being shouldered, a sleeve and a pair of disks on said one tie member means, the center of said blade member being confined and clamped between said disks through thrust by said sleeve by drawing said tie members toward each other.

2,237,040
THREE-HIGH MILL HOUSING
Edward T. Peterson, Reading, Pa.
Application June 8, 1939, Serial No. 277,999
10 Claims. (Cl. 80—55)



1. In a three high merchant mill comprising rolls, bearings, bearing chucks, a base and housings extending upwardly from the base, the combination of spaced pairs of separable connected upper and lower chucks united for common vertical movement for the rolls and a cap slidable in the housing, the lower pair at each end of the housings connected to the upper chucks and adapted with removal to carry with it the upper chucks only when the upper and lower chucks are disconnected and both chucks when the upper and lower chucks are connected, along with the bearings and rolls.

2,237,041
FUEL CONTROL FOR FLUID FUEL BURNERS
Arthur N. Schreuder, Chicago, Ill., assignor to Quaker Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 14, 1938, Serial No. 219,269
16 Claims. (Cl. 236—1)

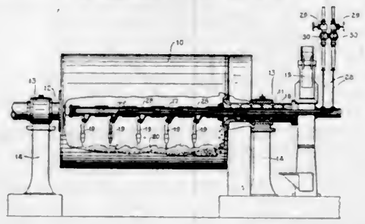


6. In combination, a burner, means for supplying a fluid fuel to the burner including a valve for adjusting the rate of fuel supply, means including a blower for supplying combustion air to the burner, an auxiliary air port communicating with the burner for admitting air under natural draft when the blower is not operating and permitting the escape of a portion of the air under pressure from the blower when the blower is operating, movable damper means associated with said port for controlling the supply of air to the burner, and temperature-controlled means for simultaneously adjusting the fuel-valve and the position of the damper means.

2,237,042
METHOD AND BATCH FOR MAKING COLORED GLASS
Harry A. Truby, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application April 23, 1938, Serial No. 203,827
13 Claims. (Cl. 106—36.1)

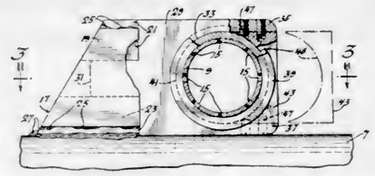
1. A coloring composition for imparting a permanent red color to glass which comprises a mixture of small amounts of a gold halide and selenium.

2,237,043
METHOD OF MANUFACTURING OXIDIZED LEAD POWDER
Harland D. Wilson, Indianapolis, Ind., assignor to Prest-O-Lite Storage Battery Corporation, Speedway, Indianapolis, Ind., a corporation of Indiana
Application October 23, 1936, Serial No. 107,225
4 Claims. (Cl. 23—146)



1. The step in the method of manufacturing oxidized lead powder by the attrition process at a temperature above 212 degrees F. which consists in apply a plurality of small streams of water to the surfaces of the lead masses undergoing oxidation and abrasion to control the temperature thereof.

2,237,044
SOOT BLOWER FOR BOILERS
Elgin Blasdell, Flint, Mich.
Application October 21, 1939, Serial No. 300,503
1 Claim. (Cl. 122—392)

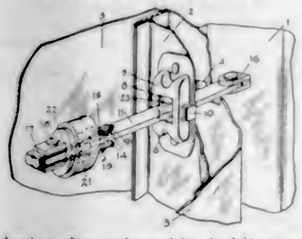


For use with a boiler having tubes, a steam pipe for cleaning said boiler extending into said boiler and having jets, supporting means for said blower pipe secured to one of said tubes, said supporting means including a bracket secured to said tube, an anchor plate carried by said bracket and a removable cap adapted to be secured to said anchor plate, said blower pipe carrying a grooved collar and said anchor plate and cap having cooperating curvilinear parts adapted to be received within the groove of said collar.

2,237,045
COPPER FUNGICIDE
Charles F. Booth and Herbert J. Krase, Anniston, Ala., assignors, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Original application June 18, 1936, Serial No. 85,886, now Patent No. 2,169,576, dated August 15, 1939. Divided and this application February 3, 1939, Serial No. 254,359
5 Claims. (Cl. 167—16)

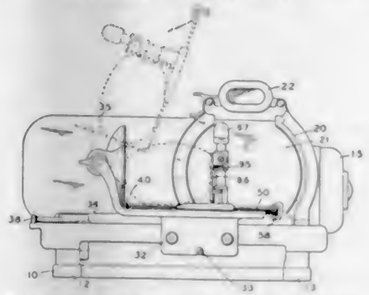
1. A copper fungicide comprising a double salt of tri basic copper phosphate and di sodium phosphate in the form of crystals of the order of 1 to 2 microns in size.

2,237,046
RELEASABLE HOLDING DEVICE FOR CLOSURES
Adolph H. Breitenwischer, Ottawa Hills, Ohio
Application July 17, 1940, Serial No. 345,971
11 Claims. (Cl. 16—85)



1. A device for releasably holding a closure member against movement relative to its supporting member, said device including a link adapted to be connected to one of said members and being freely movable relative to the other of said members; means adapted to be connected to said other member and operative to frictionally engage said link to thereby restrict the movement thereof and the relative movement of said members; and means for operating said last-named means to produce a frictional engagement of said last-named means with said link of a degree that varies in accordance with the movement of the link relative to said other member.

2,237,047
FOOD HANDLING APPARATUS
Theodore C. Brookhart and David A. Meeker, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application August 8, 1938, Serial No. 223,610
18 Claims. (Cl. 146—102)



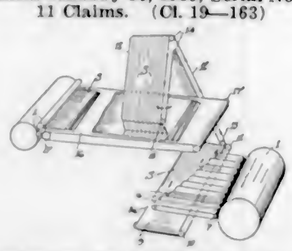
1. A slicing machine of the character described comprising a knife, a carriage reciprocable across the face of said knife, a tray having a lower surface closely overlying said carriage, means on said carriage for mounting said tray for movement across said carriage toward and away from said knife, a pusher plate base carried by said tray, means for mounting said base for longitudinal adjustment along said lower surface of said tray in the direction of the reciprocating movement of said carriage, means for retaining said base in adjusted positioning relative to said tray, an upright means carried by said base, a pusher plate, and means for adjustably mounting said pusher plate upon said upright means for adjustment about an axis generally normal to said tray and said carriage.

2,237,048
MOLDED ARTICLE AND METHOD OF MAKING IT
William W. Carter, Needham, Mass., assignor to Brayton Morton, trustee, Boston, Mass.
Application May 23, 1938, Serial No. 209,407
2 Claims. (Cl. 229—3.5)



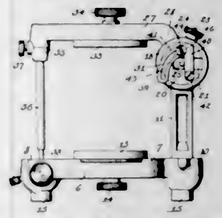
1. An individual resin-bearing molded fibrous pulp article of dish shape and of substantially uniform composition throughout, consisting of a preshaped body compacted and finished under heat and mechanical pressure and composed essentially of interfelted fibres and a cured synthetic resin, the structure and lay of the fibers of said body being substantially unchanged, except for such compacting from their original molded shape and furnishing substantial mechanical strength to the article, and the resin being substantially uniformly cured throughout the fibrous structure of the body and furnishing a hard smooth enamel-like film of cured resin of uniform finish and appearance at the surfaces of the article.

2,237,049
TRANSFER MECHANISM FOR CARDING MACHINES
Alexander Cavedon, Woonsocket, R. I.
Application January 30, 1939, Serial No. 253,572
11 Claims. (Cl. 19—163)



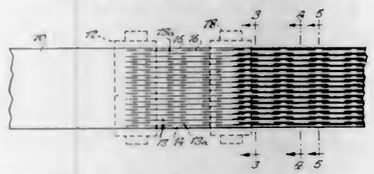
10. Mechanism for handling a web of carded fibres in thin sheet form as doffed from a carding machine, comprising a collecting apron traveling transversely to the direction of movement of the web through the carding machine, and movable web-supporting means for receiving the doffed web and conveying it away from the line of doffing towards said apron a distance gradually increasing from one edge of the web to the other, said web-supporting means being disposed in overlying relation with respect to said apron for depositing the web progressively directly upon said collecting apron, at an acute angle to the path of travel of said apron.

2,237,050
DENTAL ARTICULATOR
Edmond J. Franwick, Buffalo, N. Y., assignor to Hanau Engineering Company, Inc., Buffalo, N. Y., a corporation of New York
Application November 14, 1939, Serial No. 304,357
3 Claims. (Cl. 32—32)



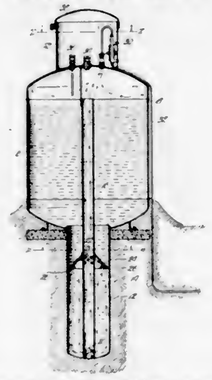
3. In a dental articulator having a pivoted jaw member provided with opposite projecting pivots, and spaced-apart condylar heads rotatably adjustable at an angle to the horizontal and having elements therein rotatable on horizontal axis through which the pivots of said jaw member extend and in which they are radially adjustable; a lock device pivotally secured to each of said condylar heads co-acting with the pivot projecting through the latter, each lock device having an arcuate slot whose center is the pivot of the lock device in which it is formed and having also clearance to enable its adjustment with respect to the co-acting pivot of said jaw member, the clearances of said lock devices forming stops thereon to be engaged by the pivots of said jaw members, and means on the rotatable elements within said condylar heads passing through said arcuate slots for fastening said lock devices in desired positions.

2,237,051
METHOD OF PRODUCING METAL LATH
Harvey M. Gersman, New York, N. Y., assignor to Ferrex Corporation, New York, N. Y., a corporation of Delaware
Application May 29, 1939, Serial No. 276,316
5 Claims. (Cl. 164—6.6)



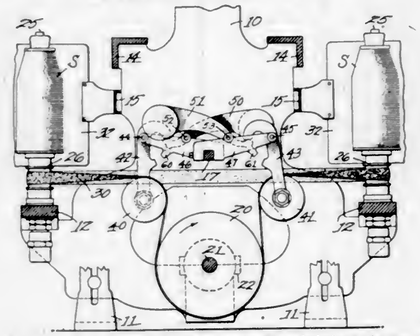
5. The method of producing metal lath and the like which comprises slitting a sheet to form parallel rows of slits, the slits of alternate rows being in staggered relation with respect to the slits of intermediate rows and being shorter than the latter, whereby to provide parallel rows of strands connected by strand extensions and bonds, rolling the sheet to arch said strands and crease said bonds along median lines and expanding the sheet to fold said bonds along said median lines and deflect said extensions toward edgewise positions and bend them at their points of juncture with said strands and bonds, to thereby effect separation of the strands while maintaining them substantially in their flatwise arrangement.

2,237,052
DISPENSING AND MIXING APPARATUS FOR LIQUEFIED GAS
Edward H. Gill, Memphis, Tenn., assignor to J. T. Gregory, Little Rock, Ark.
Application August 23, 1939, Serial No. 291,494
9 Claims. (Cl. 62—1)



1. A dispensing and mixing apparatus for liquefied gas comprising a storage tank; a generating bulb in communication with the tank at the bottom thereof; a perforated riser pipe extending upwardly from within the generating bulb to a point within the storage tank above the highest liquid level; means mounted on the pipe for directing gas generated within the said bulb through certain of the perforations in the riser pipe; and a gas delivery pipe in connection with the storage tank above the said liquid level.

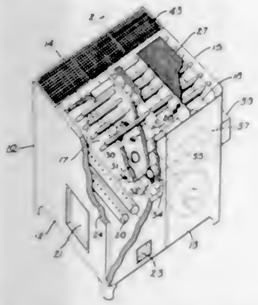
2,237,053
TENSION DEVICE FOR SPINNING AND TWISTING FRAMES
Fred K. Hendrickson, Worcester, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application April 8, 1940, Serial No. 328,488
10 Claims. (Cl. 57—105)



1. Tension devices for spindle-driving tape in a spinning or twisting machine comprising a supporting structure mounted in said machine, a pair of swinging hangers pivoted on said structure, one at each side of the longitudinal center

line of said machine, a guide pulley pivoted on each hanger, weighted levers for said hangers pivoted on said structure, one at each side of said center line and between the associated hanger and said center line, and each hanger and its associated lever having coacting extensions which render said parts effective to move the assocaited pulley to take up slack when engaging a non-driving run of said tape.

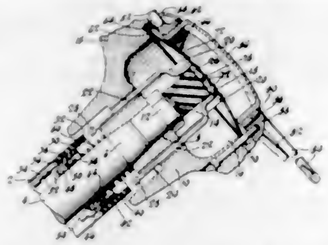
2,237,054
HEATING EQUIPMENT
Donald G. Jensen, Cincinnati, Ohio
Application November 13, 1937, Serial No. 174,401
5 Claims. (Cl. 126—101)



1. A heating plant of the character described comprising a primary heating chamber, a secondary heating chamber, sealed tubes positioned partly within said primary chamber and partly within said secondary chamber, said sealed tubes having walls of high tensile strength and containing a predetermined quantity of liquid sealed therein, a heat source within said primary heating chamber for supplying heat directly to the portion of said sealed tubes within said primary chamber to heat said tubes rapidly to a high temperature, baffle means within said primary chamber for causing the gases heated by said heat source to pass over said tubes in direct heat transferring relation therewith a plurality of times, a flue for receiving said hot gases after passage over said tubes, said flue extending through said secondary chamber, a circulating air intake for admitting air to said secondary heating chamber, a circulating air outlet for transmitting circulating air from said secondary chamber, said secondary chamber being shaped to provide a path of travel for the circulating air from said air intake into said secondary chamber, over said flue and the portion of the sealed tubes within said secondary chamber, and to said air outlet, and radiating means on said sealed tubes and within said secondary heating chamber for transferring heat from said tubes to said circulating air.

2,237,055
HORN RING
John H. Little, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 27, 1938, Serial No. 247,821
7 Claims. (Cl. 200—59)

1. In a horn sounding device applied to the steering wheel of an automotive vehicle, said wheel having a hub, a shoulder in the hub, a sounder ring positioned on the shoulder, a plurality of inwardly extending spring fingers on the ring, an electric contact mounted in the hub and under the fingers and adapted to be moved when the fingers are depressed, a second contact engageable by the first contact, a horn button positioned on the fingers, and an operating ring positioned on the horn button and extending out-



wardly beyond the hub, said operating ring capable of being depressed to depress the fingers to cause the fingers to move the movable contact to engage with the other contact to close an electric circuit to cause the horn to sound, said horn button adapted to be operated independently of the operating ring to sound the horn by depressing the sounder ring.

2,237,056
SPRING SUSPENSION
William H. Manning, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 27, 1940, Serial No. 315,911
3 Claims. (Cl. 267—36)

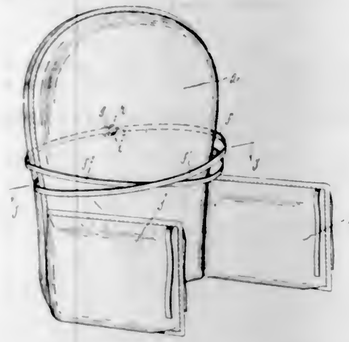


1. In a spring suspension for a vehicle having a frame supported by wheels mounted on an axle, leaf springs interconnecting the axle with the vehicle frame, one spring only at each side of the vehicle, said springs being movably connected at both ends to the frame, the rearwardmost ends of said springs each having a shackle between the spring end and the frame, one of said shackles being in tension and the other shackle in compression.

2,237,057
BACK PAD AND TIE FOR INFANTS' CHAIRS
Paul J. Meyer, Chicago, Ill., assignor to Kenlit Mfg. Co., Medford, Mass., a corporation of Massachusetts
Application November 7, 1939, Serial No. 303,247
4 Claims. (Cl. 155—182)

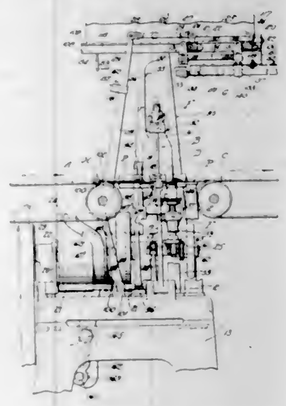
1. A back cushion or pad adapted for use in connection with the back of an infant's high chair, and a strap secured to the opposite side edges of said pad, having a portion extending

across the width of the pad and end portions of lengths sufficient to be passed about the body of



an infant occupying such a chair and to be connected together at the rear of the chair back.

2,237,058
APPARATUS FOR HANDLING AND DECORATING ARTICLES
William H. Nutt, Beverly, Mass.
Application February 7, 1940, Serial No. 317,769
11 Claims. (Cl. 101—124)



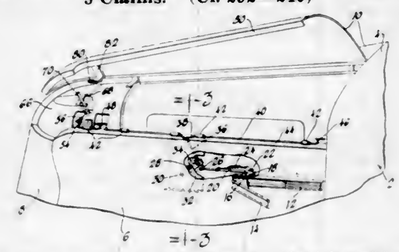
5. In an apparatus for handling articles, a frame, a support for the article movable on said frame between a receiving and a decorating station, yieldable means associated with said support for holding an article on said support, means for conveying an article on to said support, a slide movable on said frame independent of said support from a position to maintain said holding means out of engagement with said article to a position to release said holding means, means operable as an article is conveyed onto said support to move said slide in a direction to release said holding means, means tending to move said slide in the opposite direction, means carried by said support adapted to be rotated for arranging an article thereon in a predetermined position, and means carried by said frame for rotating said arranging means to a predetermined position when said support is in said receiving position.

2,237,059
SEALING STRIP
James S. Reid, Shaker Heights, Ohio, assignor to The Standard Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 20, 1937, Serial No. 132,109
1 Claim. (Cl. 20—69)



A sealing strip for the door openings of automobiles and the like, said strip comprising a generally flat and inherently resilient sheet metal body member having a continuous longitudinal edge portion and transversely disposed longitudinally spaced free ended tongues extending therefrom through the other longitudinal edge portion of such body member, the free ends of such tongues being of beaded form, a separate metal bead member for the reception of the free ends of such tongues and adapted to maintain such tongue ends in substantial alignment, door-engaging yieldable sealing means for such body member, such sealing means having a layer of rubber, a flexible outer covering of fabric or the like, and a mass of inherently resilient, loosely entwined or loosely entangled hair or bristles between such rubber and such covering.

2,237,060
HOOD FASTENER MECHANISM
Edward F. Reynolds, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 12, 1939, Serial No. 294,517
5 Claims. (Cl. 292—240)



1. In a latching mechanism for the hinged hood door of an automotive vehicle, said door extending to the extreme forward end of the vehicle, a rod or shaft journally mounted on the vehicle adjacent the hood door, means to operate the when in lowered position to latch the hood, and a separate latch operatively connected to and spaced from the shaft and capable of engaging the tip of the door when in lowered position shaft, means on the shaft to engage the hood door tightly to hold the tip in latched position.

2,237,061
METHOD OF ANNEALING MAGNETIC MATERIAL
Charles A. Scharschu, Brackenridge, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
No Drawing. Application October 7, 1936, Serial No. 104,453
12 Claims. (Cl. 148—21.5)

1. A method of annealing silicon steel sheet-like material to improve its magnetic properties

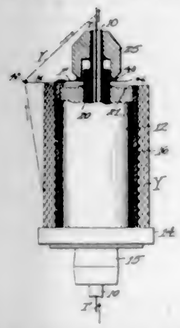
and render the same non-aging which comprises rapidly heating the same to a temperature of from 1450 to 1650° F., in maintaining the same at temperature for from thirty minutes to one and one-half hours depending upon the mass of the material being treated, in rapidly cooling the same in air and in maintaining the same flat throughout such operations.

2,237,062

FLIER FOR COVERING SPINDLES

Otto W. Schlums, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application July 22, 1940, Serial No. 346,769
11 Claims. (Cl. 57—18)



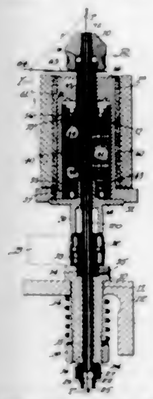
1. In a yarn covering apparatus, a flier comprising a thin and substantially flat plate having an opening by which it may be centered on a positioning element, and a guide-wire pivotally connected to said plate and foldable relative thereto to an inoperative position.

2,237,063

COVERING SPINDLE

Otto W. Schlums, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application July 22, 1940, Serial No. 346,770
4 Claims. (Cl. 57—18)



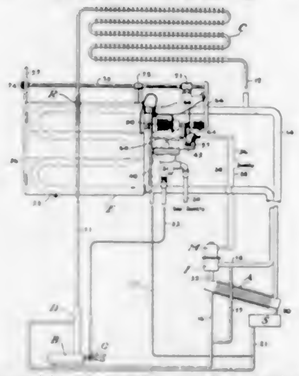
1. In a covering spindle, a fixed center post, a yarn-supporting barrel rotatable about the axis of said post, a driving whirl fixed to said barrel, upper and lower ball bearings having inner races fixed to said barrel and whirl respectively, and a supporting member for the outer races of said bearings which is fixed to said center post.

2,237,064

REFRIGERATION

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 20, 1938, Serial No. 220,199
22 Claims. (Cl. 62—5)



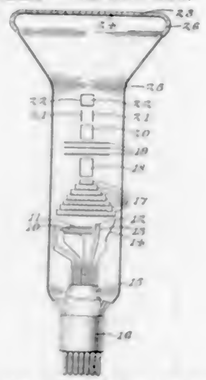
1. In combination with a refrigerating system including a cooling unit, means for supplying a cooling medium to said cooling unit, and a thermostatic mechanism responsive to the condition of said cooling unit for controlling said cooling medium supply means to maintain said cooling unit between predetermined temperature limits and for rendering said cooling medium supply mechanism inoperative irrespective of the condition of said cooling unit when a predetermined frost coat has formed thereon, and means for holding said thermostatic mechanism in position to render said cooling medium supply means inoperative until said cooling unit has freed itself of frost.

2,237,065

CATHODE RAY TUBE

François Joseph Gerard van den Bosch, London, England, assignor to Vacuum-Science Products Limited, London, England, a British company

Application June 1, 1939, Serial No. 276,882
In Great Britain June 2, 1938
5 Claims. (Cl. 250—150)



1. A cathode ray tube of the projection type,

comprising a cathode emitting electrons, means for focussing the electrons in a beam and a screen on which the beam is directed by said focussing means, which screen comprises a quartz glass member and a layer of tantalum carbide in finely divided form carried by the quartz glass.

2,237,066

METHOD OF PRODUCING WATER-SOLUBLE SUBSTITUTED PHENOLS

Mark Weisberg and Preston G. Slachman, Providence, R. I., assignors to Alrose Chemical Company, Cranston, R. I., a corporation of Rhode Island

No Drawing. Application September 25, 1939, Serial No. 296,496
8 Claims. (Cl. 260—512)

5. In the process of preparing water soluble poly-alkylated phenolic sulfonic acid derivatives, the step of reacting an alkylating compound from the group consisting of olefines and alcohols containing 7 to 20 carbon atoms with mono-alkyl phenols containing a side chain of 4–6 carbon atoms and in the presence of concentrated sulfuric acid which is employed in greater than catalytic proportions whereby sulfonation results.

2,237,067

ENVELOPE MACHINE

Gustaf W. Anderson, North Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Original application December 5, 1936, Serial No. 114,422. Divided and this application January 10, 1940, Serial No. 313,185
10 Claims. (Cl. 271—87)



1. An envelope stacking device comprising a magazine arranged to hold a plurality of envelopes in an upright position, a yieldable pusher member movable in said magazine arranged to transfer individual envelopes delivered thereto from one end of the magazine to the forward end thereof to form a stack, non-yieldable supporting means against which the forward end of the stack is pushed, and means for retaining the envelopes in said forward end and in stacked relation.

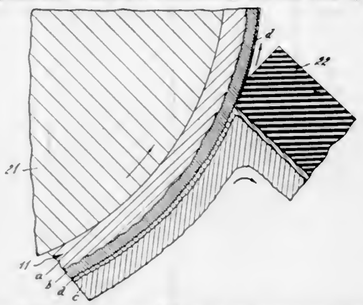
2,237,068

METHOD FOR MAKING COATED PAPER

Donald B. Bradner, Hamilton, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio

Application August 27, 1938, Serial No. 227,096
4 Claims. (Cl. 92—40)

1. Process of making coated paper which comprises applying an excess of fluent coating composition, comprising a liquid vehicle containing pigment in suspension and adhesive, to a travelling web of paper which is absorptive to the liquid of the coating composition to a degree to form on the surface of the web a layer of firm filter cake from the pigment in the coating composition adjacent the web while the overlying coating composition remains fluent, and then after the formation of the layer of filter cake, yieldingly wiping off substantially all said fluent coating composition without removing substantially any



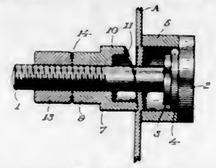
of the filter cake, and firmly supporting the web on its other side at a location where the wiping is accomplished and thereafter drying the coated paper.

2,237,069

DRAW PUNCH

Gustaf O. Christenson, Brooklyn, N. Y.

Application August 16, 1940, Serial No. 352,971
2 Claims. (Cl. 164—101)



1. A draw punch for enlarging a hole in sheet metal, comprising a threaded bolt for disposal through the hole and including a head having a stepped inner face providing annular shoulders of different sizes, cylindrical female dies of different sizes for fitting the shoulders, any one of the dies adapted to be mounted on the shank of the bolt to bear against its shoulder and having a beveled cutting face, male dies of different sizes, one for each female die, and a companion male die adapted to be mounted on the shank and provided with a cutting face having beveled helical surfaces for cooperation with the cutting face of the mounted female die, and a nut threaded on the shank and engaged with the mounted male die for moving the latter and its female die against the opposite sides of the metal for severing the same.

2,237,070

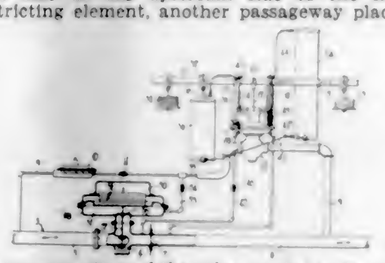
FLUID PRESSURE REGULATOR AND FLOW CONTROL DEVICE

Charles H. Cleveland, Detroit, Mich.

Application May 23, 1939, Serial No. 275,289
15 Claims. (Cl. 50—17)

1. In a flow control system of the type having a high-pressure line, a low pressure line, a flow-restricting element interposed between the two, a control valve interposed in the high pressure line adjacent to the flow-restricting element, a pressure responsive device connected to the control valve for actuating said valve, and means for controlling the operation of said pressure responsive device, the improvement in said means comprising a fulcrum bar, liquid containers associated with the bar at opposite sides of its ful-

crum, a passageway placing the lower portions of said containers in communication, a passageway placing the upper portion of one of the containers in communication with the high pressure line at the upstream side of the flow-restricting element, another passageway placing



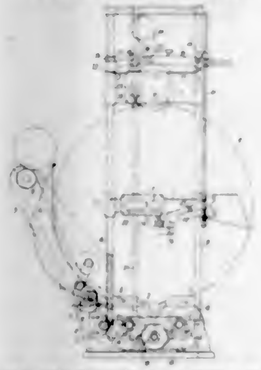
the upper portion of the other container in communication with the low pressure line at the downstream side of said flow-restricting element, and means interposed in one of said passageways for restricting the flow of fluid therethrough.

2,237,071

SLIVER ROLL FORMING MACHINE

Gordon Scott Fraser, Arbroath, Angus, Scotland, assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland, a corporation of Great Britain and Northern Ireland

Application August 23, 1940, Serial No. 353,794
In Great Britain July 8, 1939
2 Claims. (Cl. 19—158)



1. A sliver-roll-forming machine comprising a central movable arbor, two lower driven rollers and an upper driven movable roller disposed at the corners of an imaginary triangle and adapted to co-operate in winding a sliver roll around said arbor, means including a clutch for driving the upper roller, said clutch incorporating a roller-braking device adapted to be brought into operation to arrest rotation of the upper roller on disengagement of said clutch.

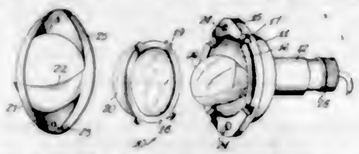
2,237,072

AIRPLANE RUNNING LIGHT LAMP

Warren G. Grimes, Urbana, Ohio

Application April 29, 1939, Serial No. 270,893
2 Claims. (Cl. 176—34)

1. A lamp comprising a lamp base, a light filament, and a lamp bulb, said lamp bulb consisting of two concave sections of different radii, the section of larger radius being somewhat flattened and located closer to the lamp filament, the section of smaller radius being substantially spherical, a reflecting surface completely covering said



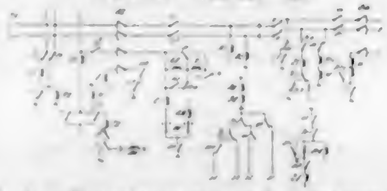
section of larger radius and a reflecting surface on only a portion of the basal half of the small spherical section.

2,237,073

TELEPHONE INSTALLATION

Martin Hebel, Hechendorf-on-the-Pilsensee, Oberbayern, Germany

Application June 5, 1937, Serial No. 146,654
In Germany June 5, 1936
15 Claims. (Cl. 179—18)



1. A multi-exchange automatic telephone system in which audible signals are automatically transmitted to a calling subscriber to indicate to him whether the line to which he desires to be connected is idle or busy comprising means at the called exchange for transmitting back to the calling exchange different signals according as the desired line is idle or busy, means at the calling exchange for transmitting the desired audible signals to the calling subscriber, means at the calling exchange for bringing said last-mentioned transmitting means into operation on receipt of said signals from the called exchange and means at the calling exchange actuated on receipt from the called exchange of a signal indicating that the desired line is busy for releasing the connection made by the calling subscriber.

2,237,074

SUGAR DERIVATIVES OF 1,2-DIAMINO-4,5-DIMETHYL-BENZENES AND PROCESS FOR THE MANUFACTURE OF SAME

Paul Karrer, Zurich, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application August 6, 1936, Serial No. 94,702. In Germany August 23, 1935
5 Claims. (Cl. 260—211)

1. The 1-[d-ribityl-amino]-2 - amino - 4,5 - dimethyl-benzene.

2,237,075

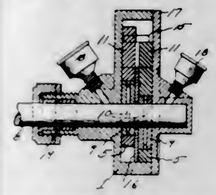
ROTARY PUMP

Louis Kemper, Newark, N. J., assignor to Economy Faucet Co., Newark, N. J., a corporation of New Jersey

Application April 11, 1940, Serial No. 329,156
2 Claims. (Cl. 103—132)

1. A rotary pump comprising a casing having a chamber therein, a partition within said chamber dividing it into two chambers, said partition being formed from a floating disc axially disposed

and rotatably movable in the chamber and of the same diameter as the chamber, a rotor within each of said chambers on opposite sides of the partition, a drive shaft extending into the chambers and through the partition, eccentrics carried by said drive shaft and disposed within the rotors



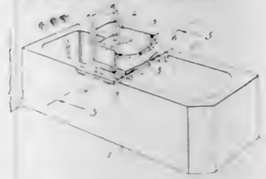
in each chamber, guide extensions carried by said rotors, a pocket in the casing for said extensions, said partition maintaining the extensions in spaced relation within the pocket so that fluid can pass therebetween and a relief port for the pocket.

2,237,076

BATH CHAIR FOR INVALIDS

Constance Dwan Kenney, Julia L. Driscoll, and Frank Baier, New York, N. Y.

Application September 4, 1940, Serial No. 355,322
7 Claims. (Cl. 4—185)



1. A bath chair for invalids comprising a board adapted to be placed across a bathtub, a seat swiveled on the board, a longitudinal slot in the board, and a swivel pin extending from the seat and through the slot, whereby the seat may be moved longitudinally of the board and swung outwardly with its forward edge at or beyond the edge of the tub.

2,237,077

REPEATING DEVICE

Friedrich Lauck, Berlin-Spandau, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application January 19, 1938, Serial No. 185,770
In Germany November 15, 1935
2 Claims. (Cl. 201—48)



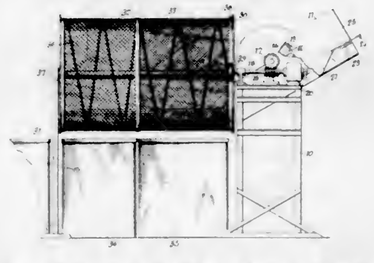
1. In an aircraft instrument comprising a directional gyroscope having a gyro rotor mounted for spinning about a horizontal axis, means mounting said rotor for precession about a second axis perpendicular to said spin axis and for angular movement about a third axis mutually perpendicular to said first and second axes, said mounting means including a vertical trunnion, a bearing for said trunnion whereby said trunnion and mounting means move angularly with said rotor about said third axis in said bearing, a temperature responsive resistor having current flow therein, a source of fluid pressure whose temperature differs from the temperature of said resistor, a disc member mounting said fluid source and said resistor supported on said bearing, and means carried by said trunnion interposed between said source and said resistor for normally shielding said resistor from said fluid pressure flow and adapted for angular movement during angular movement of said mounting means about said third axis whereby said fluid pressure flow impinges upon said resistor varying the temperature and resistance of said resistor whereby current flow therethrough is varied in accordance with the angular movement of said mounting means about said third axis.

2,237,078

ICE PICKING AND GRADING MACHINE

Thomas F. Lilly, Memphis, Tenn.

Application July 5, 1938, Serial No. 217,630
21 Claims. (Cl. 83—63)



1. In a machine for making sized ice, the combination of a rotary drum means for supporting an ice block, said means providing a continuously flat ice supporting face at a low angle to the horizontal, the projection of said ice supporting face intersecting said drum between its axis and its periphery, breaker bars forming parts of said supporting face and supporting the underside of said block adjacent to said drum, said bars being adjustable toward and from said drum to permit the ice block thereon to overhang said supporting face to varying extents, a series of picks extending outward from the drum to different distances, said picks including long and short picks spaced apart lengthwise of said drum, the long picks being relatively widely spaced from each other, said picks being so located as to pass between said bars when the support is close to the drum but leaving an open throat between the outer ends of the picks and the bars when the bars are moved away from the drum.

2,237,079

COMBINATION WINDOW SHADE, CURTAIN, AND DRAPERY SUPPORT

Oscar Lodge, Lisbon, Ohio

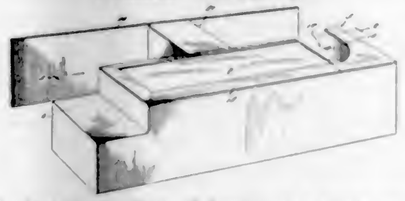
Application April 24, 1940, Serial No. 331,460
3 Claims. (Cl. 248—253)



3. In a device of the character described, in-

termediate and end portions, said intermediate portion being of hollow formation with the end portions insertible therein with a frictional fit, said end members having portions thereof bent upon themselves to form window frame contacting parts and clamp parts, said clamp parts being spaced laterally of each other and one in advance of the other, said clamp parts adapted to have frictional fit with curtain and drapery rod fixtures, one of said end portions having an opening and the other end portion having a notch to receive pintles of a shade roller, an arcuate curved attaching arm including an end portion bent to form a clamp to embrace the intermediate portion, and a strap-type bracket receiving the other end of said arm and secured on the upper edge of a window frame, said window frame contacting portions of the end members having openings to receive fasteners driven into the frame.

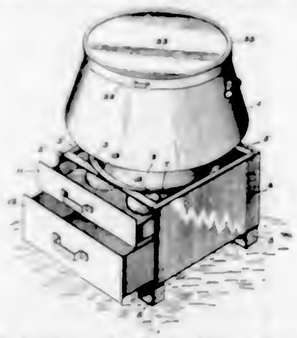
2,237,080
STORE FURNITURE
Paschal Muse, Perry, Ga., assignor of one-half to C. D. Tounsley, Perry, Ga.
Application January 29, 1940, Serial No. 316,249
2 Claims. (Cl. 186—1)



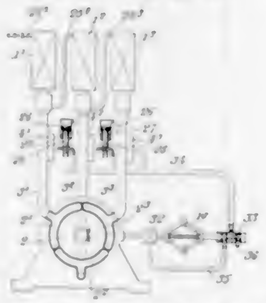
1. As a new article of furniture, a store counter equipped at one end thereof and at a lower level with an article receiving platform and at an opposite end thereof with means for facilitating the bagging and wrapping of commodities, and an endless conveyor mounted on the counter and extending longitudinally thereof intermediate the aforementioned ends of the counter, a guard panel of substantially the same height and length as said counter disposed parallel to one longitudinal side of the counter, and a relatively short counter-section connecting the first-mentioned counter and said panel intermediate the respective opposite ends of said first-named counter and said panel for supporting a cash register, said counter section forming a station substantially midway of the ends of the counter whereby a cash register attendant may compute the cost of commodities passing on the conveyor.

2,237,081
COOKER AND HEATER
Walter W. Owens, Hollywood, Calif., assignor to Owens Smokeless Orchard Heater, Incorporated, Hollywood, Calif., a corporation of California
Application June 9, 1939, Serial No. 278,344
14 Claims. (Cl. 126—25)

11. A stove including a base having a top, a fire pot having open ends and having its bottom connected to the top of the base, a shell surrounding the fire pot in spaced relation thereto and having its upper end extending above the upper end of the fire pot and having its lower end spaced above the top of the base; means to connect the pot to the shell, a top for the shell, means to hold the base spaced above a supporting surface, the top of the base having air inlets for admitting air to the fire pot, and a baking drawer below the fire pot, the baking drawer being removable whereby upon removal to allow air to enter the fire pot from below the bottom of the base.



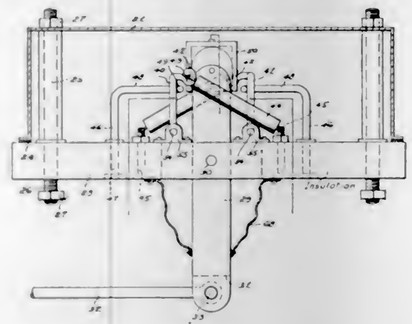
2,237,082
POWER PLANT
Raul Pateras Pescara, Paris, France
Application November 18, 1938, Serial No. 241,273
In France October 15, 1934
6 Claims. (Cl. 60—11)



1. In a power plant comprising a plurality of free piston motor compressors, a receiving machine, and means to conduct fluid under pressure from each of said motor compressors to said machine, each of said motor compressors including a fluid pressure starting device, means controlled automatically by variations in the load on the machine to operate various of said starting devices as the load increases to increase the number of motor compressors in operation, and to stop various of said motor compressors as the load decreases to decrease the number in operation.

2,237,083
AUTOMOBILE TURN SIGNAL SWITCH
Paul F. Schmitt, Frankfort, Ind.
Application October 31, 1938, Serial No. 238,005
3 Claims. (Cl. 200—6)

1. A switch structure of the character described comprising a base having an opening therein, a lever extending vertically through the opening and being rockably secured to said base, a pair of swingable contacts on the base, one at each side of the opening; said lever being provided with a contact at its upper end, means insulating the contact on the lever from said lever, stops for said swingable contacts to limit movement of the swingable contacts toward the contacts on the lever, and spring means for normally holding the swingable contacts against the stops, said swingable contacts being in the form of inverted U-shaped members having their legs bent to provide trunnions, and bearings on the base receiving said trunnions.



2,237,084
BLUEPRINT COATING
Robert Bowling Barnes and Leonard Patrick Moore, Stamford, and Garnet Philip Ham, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 28, 1940, Serial No. 354,600
3 Claims. (Cl. 95—7)

1. A method of producing a blueprint coating which comprises mixing a guanidine oxalate solution having a pH between 5 and 6 with a ferric oxalate solution, the proportions of guanidine oxalate and ferric oxalate being substantially stoichiometrically equivalent to ferric guanidine oxalate, and adding a soluble ferricyanide to the mixture.

2,237,085
ENVELOPE
Arthur E. Barrett, Columbus, Ohio
Application August 8, 1938, Serial No. 223,609
2 Claims. (Cl. 229—85)



1. In combination, a sheet having one edge longer than an opposite edge and an edge interconnecting the first two mentioned edges obliquely with respect to the longer edge for forming a cutting edge; an envelope for the sheet having opposite edges for inclosing the said opposite edges of the sheet, one of said inclosing edges being shorter than the said longer edge, and an edge interconnecting the inclosing edges obliquely with respect to the longer of the inclosing edges, the last mentioned interconnecting edge having a relatively short opening therein adjacent the longer inclosing edge and in alignment with the portion of the sheet at the junction of the longer edge thereof and the first mentioned interconnecting edge, when the sheet is inclosed in the envelope, the first mentioned interconnecting edge being oblique with respect to the second mentioned interconnecting edge.

2,237,086
MEANS FOR PACKING THERMOMETER TUBES AND THE LIKE
Anthony Charles Bruns, Cincinnati, Ohio, assignor to The Palmer Company, Norwood, Ohio, a corporation of Ohio
Application August 17, 1939, Serial No. 290,656
1 Claim. (Cl. 206—16.5)

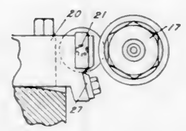


An article for compactly packaging a thermometer tube or fragile rod-like product within a cylindrical container, comprising: in combination with a cylindrical container, a channel strip of approximately V-shape in cross section, longitudinally providing a pair of opposing limbs, the limbs of relatively different width and the strip of a length in excess of the content depth of the container to project beyond its open end, and adapted to be wedgingly interposed between the thermometer and opposing wall of the container, with the shorter width limb of the strip in bearing contact with the wall of the container, and the larger width limb in bearing contact with the thermometer, its greater width providing an edge contact with the interior of the container for maintaining said limbs in spaced relation to sustain the thermometer against injurious vibration and resist movement longitudinally by gravity.

2,237,087
PROCESS OF TREATING EGG WHITES
Verne D. Littlefield, Beverly Hills, Calif., and Norman C. Fischer, Springfield, Mo., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 14, 1938, Serial No. 219,280
8 Claims. (Cl. 99—210)

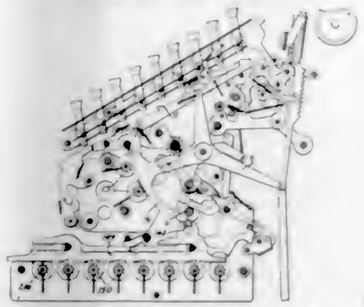
1. In the process of acidifying liquid egg white materials preliminary to drying, the steps comprising acidifying the egg white material at a temperature of not less than about 100° F. but below the coagulation temperature of the egg white material, the egg white material being acidified to a pH of between 5.5 and 5.8.

2,237,088
METHOD OF FORMING PIPE CUTTER WHEELS
Thorvald Petersen, Erie, Pa., assignor to Reed Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 7, 1938, Serial No. 233,810
3 Claims. (Cl. 76—89.2)



1. The method of forming pipe cutter wheels which consists in rolling the engaging surfaces of the edge of the wheel reducing the wall at the edge axially and expanding the same radially and trimming the periphery in relation to the rolling to produce a predetermined diameter of finished wheel.

2,237,089
COMPUTING MACHINE
Edgar Ellsworth Phinney, West Orange, N. J., assignor to Defiance Manufacturing Corporation, Orange, N. J., a corporation of New York
Application October 16, 1937, Serial No. 169,413
1 Claim. (Cl. 235—60)



In a computing machine having an accumulator, value entering devices, and operating means; the combination of means for setting the accumulator for positive or negative registration including an adjustable positive setting element, an adjustable negative setting element, a device movable by said operating means, a feeler having a pivoted connector element and displaceable to connect the positive setting element with the movable device, a feeder having a pivoted connector element and displaceable to connect the negative setting element with the movable device, and an index member adjustable to bring variably indexed portions of said member into the path of movement of one or the other of said feelers.

2,237,090
TREATMENT OF CEREAL PRODUCTS
Arno Richard Sasse, Minneapolis, Minn., assignor to Standard Milling Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 28, 1934, Serial No. 727,911
17 Claims. (Cl. 99—80)

1. A method for preparing grain products containing sufficient amounts of carotin to give a naturally yellow or amber color comprising treating the grain product with sufficient quantity of an alkaline material to increase the pH of the grain product by not less than 0.1 and to less than a pH of 7.0.

16. The process of intensifying the color of durum wheat products which comprises contacting the durum wheat product directly with ammonia gas while agitating the mixture.

2,237,091
PULVERIZING APPARATUS
Nicholas N. Stephanoff, Rosselle, N. J., assignor to Thermo-Plastics Corporation, Elizabeth, N. J., a corporation of New Jersey
Application May 29, 1937, Serial No. 145,520
16 Claims. (Cl. 83—46)

1. A pulverizing apparatus comprising a casing forming an elongated tubular pulverising chamber disposed in a substantially vertical direction by its longer axis, means to admit a raw material into the casing, means to admit an elastic fluid at a high speed into the casing so as to cause the material to circulate through the casing thereby separating heavier particles from the lighter particles by centrifugal force, the upper portion of the casing being of a relatively larger cross-section, a second casing disposed inside the first casing, the outer wall of the inner casing abutting the inner wall of the outer casing, the casings being provided with continuous slots at their intermediate portions, the slots

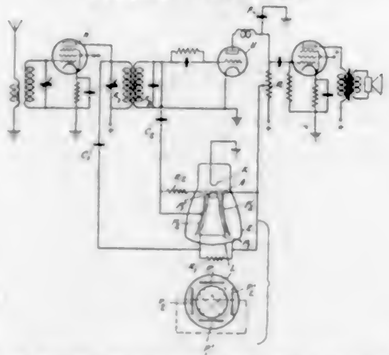


being closed at the top and at the bottom of the casings, the slots being adapted to admit the fluid into the inner casing for continuing its circulation, the heavier particles from the second casing being adapted to be returned by the centrifugal force into the first casing, and an exhaust duct at the inner side of the inner casing.

2,237,092
STABILIZATION OF FORMALDEHYDE SOLUTIONS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 28, 1939, Serial No. 306,516
3 Claims. (Cl. 23—250)

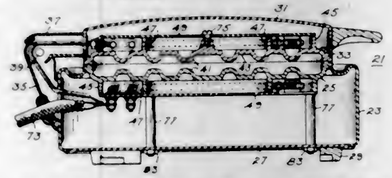
1. An aqueous formaldehyde solution having a formaldehyde content of at least 35% and which is otherwise unstable on storage at low temperatures and containing stabilizing amounts within the range of 1–10% of a compound selected from the group consisting of melamine and methylol melamine.

2,237,093
OPTICAL TUNING INDICATOR FOR RADIO SETS
Otto Tüxen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 19, 1940, Serial No. 324,758
In Germany January 20, 1939
5 Claims. (Cl. 250—40)



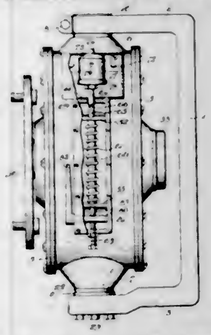
1. A system for visually indicating the condition of exact tuning in a radio receiver provided with circuits carrying high frequency signal currents followed by a detector, comprising a cathode ray tube having means for developing an electron beam, an accelerating anode, a fluorescent screen and a plurality of deflecting electrodes, means for impressing high frequency potentials on certain of said deflecting electrodes, said high frequency potentials being in phase quadrature only in the presence of exact tuning and being derived from the signal carrying circuits, and means for impressing upon the accelerating anode, fluorescent screen and certain of the deflecting electrodes a potential varying with the audio frequency output of the detector.

2,237,094
WAFFLE BAKER
Leonard E. Aske, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application February 2, 1940, Serial No. 316,923
2 Claims. (Cl. 219—19)



1. A waffle baker including a circular grid, a circularly-extending bare heating coil, a plurality of radially-extending thin mica plates, a pair of radially-spaced circularly-extending ribs integral with the grid, at the back surface thereof and constituting with the grid heat-receiving walls at three sides of the heating coil, a thin metal disk having pairs of integral bent-out ears to receive the several mica plates and locate them between the ribs, an edge portion of each mica plate extending through one of the apertures left in the disk by one of the bent-out ears and overlapping the disk and means for holding the metal disk against the outside edges of the ribs and an edge of the mica plates against the rear surface of the grid.

2,237,095
BRAKE AND HUB ASSEMBLY
James E. Casner, Alpine, Tex.
Application October 20, 1939, Serial No. 300,483
8 Claims. (Cl. 188—106)

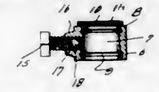


4. In a braking mechanism comprising a brake drum mounted on a shaft in a housing, a brake band embracing said drum, said brake band having free ends at one side of said drum movable inwardly toward each other, brackets provided on said free ends, a rod extending between said brackets and a spring on said rod maintaining the brackets in normal spaced relation. means supported by said housing maintaining the brake band normally spaced from said drum, said means including a spring device attached to the brake band and urging the same to spaced relation from said drum and an adjustable member limiting such spaced relation, and actuating means carried by said housing and associated with one of said brackets adapted to move the same toward the other bracket in providing a braking relation of said brake band with said drum, said actuating means comprising a fluid pressure device or the like having an element in engagement with said bracket adapted to be moved toward the other bracket.

2,237,096
LUBRICANT
Frederick E. Dearborn, Washington, D. C.
No Drawing. Application September 22, 1939, Serial No. 296,096
11 Claims. (Cl. 252—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

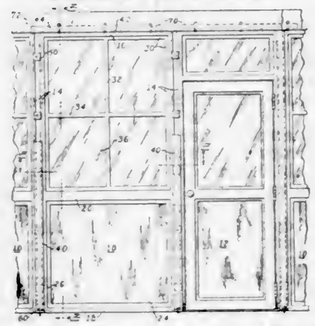
1. A lubricant containing in solution an alkaline earth salt of a sulphurized monocarboxylic acid to inhibit oxidation.

2,237,097
TERMINAL CLAMP FOR BATTERY POSTS
Vertus Elfert, Madison, S. Dak.
Application May 2, 1938, Serial No. 205,593
1 Claim. (Cl. 173—259)



Means for connecting an electric cable to a battery post comprising a ring for fitting over a post and a flat end part on the cable soldered to the upper end of the ring for electrically connecting the cable with the ring and closing the upper end of the ring to prevent entrance of moisture and to prevent the escape of material from the interior of the ring.

2,237,098
METAL WALL PARTITION
Harry E. Gieseking, Detroit, Mich., assignor to Wire & Iron Products, Inc., Detroit, Mich., a corporation of Michigan
Application May 26, 1938, Serial No. 210,237
4 Claims. (Cl. 189—34)



2. A metal wall partition comprising, in com-

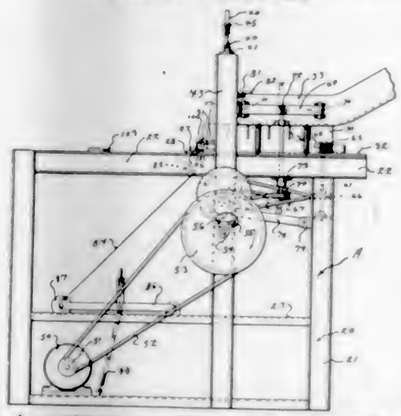
bination, a plurality of similarly formed rectangular metal frames arranged edge to edge upon a floor, the top element of each frame consisting of an upwardly open channel, a metal strip extending across the top elements of at least two frames superimposing said open channel, said strip having a greater width than the width of said top elements and secured to the top elements of said two frames connecting them together, an element of less width than the strip extending along the top thereof and secured thereto, and a vertical panel secured to said last mentioned element and supported upon said metal strip.

2,237,099

PARTITION ASSEMBLING MACHINE

Joseph Louis Gillian and Carl Daniel Nellis, Milwaukee, Wis.

Application February 9, 1940, Serial No. 318,110
28 Claims. (Cl. 93—38)



1. A partition assembling machine comprising, an assembly table, a carriage movable in a step-by-step movement over the table, means for momentarily holding the carriage against movement on each step thereof, means for detachably connecting longitudinal partition strips to the carriage, means for supporting a pack of transverse strips above the carriage and table, and means for stripping one strip at a time from said pack and delivering the same to the longitudinal strips upon each step movement of the carriage and while the carriage and longitudinal strips are held stationary.

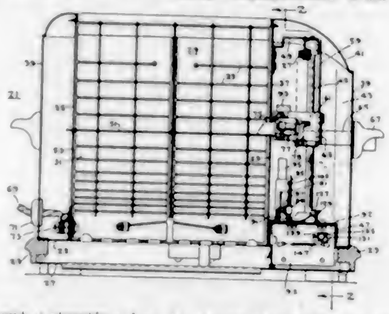
2,237,100

THERMAL TIMER FOR TOASTERS

John R. Gomersall, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application March 29, 1940, Serial No. 326,576
8 Claims. (Cl. 161—16)

1. A thermal timer for an automatic electric toaster comprising a toast-heating element, a control switch therefor normally yielding biased to open position, means for closing said switch to initiate a toasting operation and a pivotally mounted detent arm for holding said switch in closed position, said thermal timer including a bimetal bar having one end free to move in response to changes of temperature, means to cause heating and then cooling of the bimetal bar, a detent-actuating bar having one end thereof pivotally connected to the detent arm, a member spring biased to normally hold the other end of the detent-actuating bar out of the path of movement of the bimetal bar when the same is being heated and engageable by said bimetal bar when the same has been heated to a given temperature to be moved out of holding engagement with the



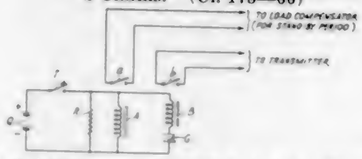
detent-actuating bar to cause the latter to move into the path of movement of the bimetal bar, the cooling bimetal bar engaging and moving said detent-actuating bar to cause releasing movement of the detent arm with resulting opening of the control switch.

2,237,101

KEYING CIRCUIT

Fritz Hahndorf, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 8, 1939, Serial No. 308,229
In Germany November 15, 1938
2 Claims. (Cl. 178—66)



1. A keying circuit having a pair of parallel connected relays, the winding of one relay being more highly reactive than the other, and means including a rectifier in series with the relay winding having the lower reactance for preventing current reversals in its winding due to the gradual dissipation of energy stored in the winding of the more highly reactive relay.

2,237,102

BAKING TRAY AND METHOD OF MAKING IT

Warren H. Hungerford, Chicago, Ill.

Application July 9, 1938, Serial No. 218,389
4 Claims. (Cl. 53—6)

1. As a new article of manufacture, a reversible baking tray including a generally flat, substantially rectangular body portion of sheet metal, and a surrounding reinforcement therefor, formed of solid metal rod stock, said reinforcement extending circumferentially entirely around the edge of the body portion and conforming thereto, and being slotted to receive the edge of said body portion throughout the entire periphery of said body portion, said slot being located substantially midway between the top and bottom of the reinforcement, whereby the contour of the reinforcement and the angular relationship of the abutting portions of the reinforcement and the adjacent face of the body portion are uniform on both top and bottom of the tray, the angular relationship of the edge of the reinforcement adjacent the



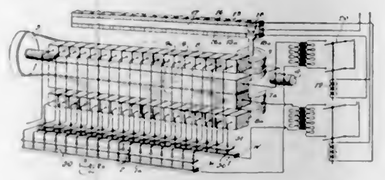
body portion being adapted to permit a ready sliding of cooked articles over the reinforcement when the pan is tilted.

2,237,103

GANG SPOT WELDER

Joseph R. Lex, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 5, 1938, Serial No. 217,416
6 Claims. (Cl. 171—97)



6. In combination, a plurality of energy using devices, an energized control circuit, a transformer having primary and secondary windings, a plurality of commutator segments having insulating spaces therebetween, a bus bar, a movable bridging means between the bus bar and segments, means for connecting each segment to an energy using device; means for connecting the bus bar to one side of the secondary winding, means for connecting the other side of the secondary winding to the energy using devices, a switch having an operating winding and contacts, said contacts adapted to connect the transformer primary to a source of a. c., a timer having a plurality of commutator segments corresponding in number to but shorter in length than and with insulating spaces longer in length than those of the first mentioned commutator segments, a second bus bar, a second bridging means between said second bus bar and second mentioned commutator segments, said second bus bar being connected to the control circuit, means for connecting an end of the winding of the switch to each of the second mentioned segments, means for connecting the other end of said winding of the switch to the control circuit, means for simultaneously moving both bridging means over their respective commutator segments whereby the secondary winding is successively first connected to the respective energy using device, then the primary winding is connected to the source as the bridging means are successively moved over the segments.

2,237,104

COMPOSITE PIGMENT AND MANUFACTURE THEREOF

Norman F. Livingston, Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application March 17, 1938, Serial No. 196,367
16 Claims. (Cl. 134—67)

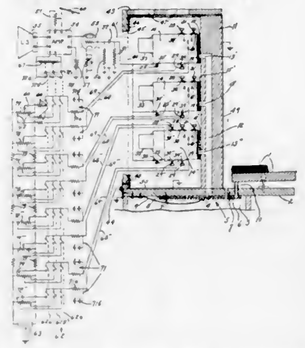
1. A process for the manufacture of pigments having a lead chromate base which comprises forming lead chromate by precipitation in an aqueous medium, forming an insoluble metal silicate by precipitation in an aqueous medium, and in performing said steps carrying out one precipitation in the presence of the originally-wet product of the other precipitation.

2,237,105

APPARATUS FOR THE PRODUCTION OF MUSIC

Benjamin F. Miessner, Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey

Application March 5, 1936, Serial No. 67,245
Renewed July 26, 1940
23 Claims. (Cl. 84—1.14)



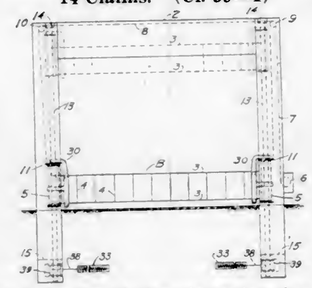
1. In a musical instrument including a reed housing: the combination of an apertured reedblock adapted to be removably inserted in said housing; a tuned reed secured to said block; and conductive means carried by said housing and adapted for automatic electrical connection with said reed upon insertion of said block into said housing.

2,237,106

HIGHWAY BARRIER

Theodore Ray Minert, Milwaukee, Wis.

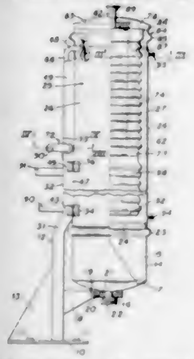
Application April 25, 1938, Serial No. 204,072
14 Claims. (Cl. 39—1)



1. In a device of the character described: a

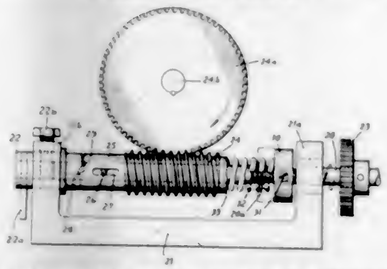
flexible barrier mounted to move vertically to and from its operative position; a pay out device movable with the flexible barrier; stationarily mounted retarding means; and driving connections between the pay out device and the retarding means, said driving connections including a vertical rotatable shaft having a vertically movable driving connection with the pay out device so that the driving connections remain regardless of the position of the barrier and pay out device.

2,237,107
LIQUID COOLER
Benjamin G. Newhall, Forest Park, Ill.
Application December 5, 1938, Serial No. 243,984
8 Claims. (Cl. 257—180)



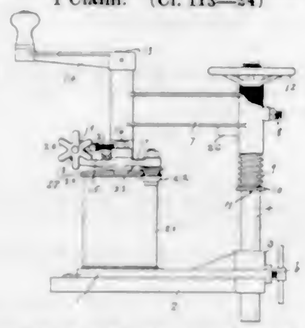
1. In a liquid cooler, the combination with a cylindrical chamber having spaced corrugated double walls joined only at their extreme peripheral edges to define a closed cylindrical pressure chamber constituting a part of a closed refrigerant system, of means for circulating a refrigerant over the interior corrugated surfaces of said cylindrical chamber, said last named means including a pressure confining path throughout the interior of said cylindrical chamber, means for directing liquid over the exterior corrugated surfaces of said cylindrical double walls to effect the cooling thereof, a sectional casing surrounding said chamber, and means for slidably mounting said casing sections relative to each other for enabling access to said chamber.

2,237,108
INTERMITTENT MOTION MECHANISM
Harry J. Nichols, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 10, 1939, Serial No. 298,751
9 Claims. (Cl. 74—426)



1. Intermittent motion producing means comprising a rotatable shaft, means for rotating said shaft, a collar on said shaft, a worm mounted on said shaft, a spring compressed between said collar and said worm, means connecting said worm to said shaft for rotation therewith, means permitting relative axial movement of said shaft and worm, a cam follower on the end of said worm, cam means mounted for adjustable rotative movement cooperating with said follower, and means for adjustably fixing the rotated position of said cam.

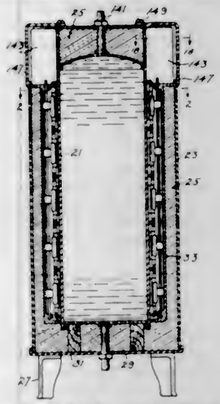
2,237,109
CAN CLOSING MACHINE
Albert Nickels, Baltimore, Md.
Application August 28, 1939, Serial No. 292,297
1 Claim. (Cl. 113—24)



A can-closing machine comprising a base, an upright adjustable in said base, an arm adjustable on said upright, a projection on the lower surface of said arm, means for adjusting said arm on said upright, a shaft revolubly mounted in one end of said arm, means for revolving said shaft, an arm rigidly secured to the lower end of said shaft, a lever pivoted to said last-named arm, a roller mounted in one end of said lever, a screw adjustable in the opposite end of said lever and having its free end impinging against the arm on the lower end of said shaft, and a wheel on the opposite end of said screw having a plurality of projections each adapted to strike the projection on the lower surface of the first-named arm to turn said screw and force the roller in against the can being closed.

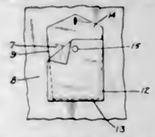
2,237,110
TANK WATER HEATER
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application January 27, 1940, Serial No. 315,890
9 Claims. (Cl. 219—39)

1. An electric tank heater assembly comprising a metal tunnel member extending longitudinally of the tank and having relatively wide side edges secured against the outside surface of the tank in good heat-conducting relation therewith, a plurality of elongated electric heating units positioned longitudinally in said tunnel member, each unit comprising a thin flat block of electric insulating material having laterally-extending slots in that face thereof adjacent to the tank, a bare resistor conductor in said slots, a metallic shroud of flat channel shape at the back and the sides of the block, relatively wide flanges on the shroud at each side thereof, means for supporting all of said units from the tunnel member and means carried by the tunnel member and adjustable at one end of the tunnel member for pressing the flanges of all of the shrouds into good heat-conducting contact with the outside



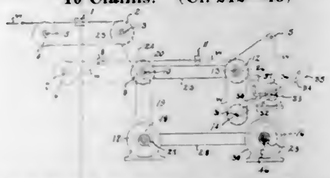
surface of the tank to increase the effective surface area of the tank receiving heat from the resistor to a value appreciably greater than the area of the resistor-supporting block.

2,237,111
POCKET STRUCTURE
Charles G. Parks, Chicago, Ill., assignor to Minneapolis Linen Supply Company, Minneapolis, Minn., a corporation of Minnesota
Application February 27, 1939, Serial No. 258,740
3 Claims. (Cl. 2—247)



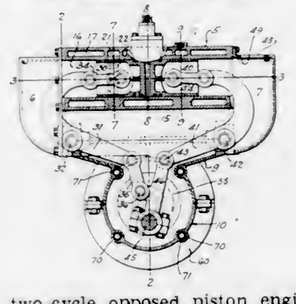
1. A garment provided with a pocket, said pocket comprising inner and outer wall members secured together at opposite sides to form the body of the pocket, said members having their lower ends disconnected to provide an open bottom for the pocket, and a member secured along one edge below said inner and outer wall members and normally overlying the outer member to close the bottom of the pocket, said bottom-closing member being adapted to be disengaged from said outer wall member, thereby to open the bottom of the pocket.

2,237,112
REELING MECHANISM
Edward G. Parvin, Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application December 2, 1939, Serial No. 307,203
10 Claims. (Cl. 242—45)



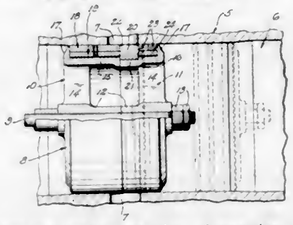
1. In a strand spooling machine, the combination including a magnetic clutch having a fixed magnetizable structure and an energizing winding, driving and driven members, one of said members being magnetizable and the other having short circuited conducting paths thereon, a reel rotated by said driven member, a current supply circuit for the winding of said clutch, and means controlled by the strand being wrapped on said reel for varying the current in said circuit whereby the slippage of the clutch is varied to maintain a substantially constant tension in the strand.

2,237,113
TWO-CYCLE OPPOSED-PISTON DIESEL ENGINE
Frederic W. Plumb, West Reading, Pa.
Application March 13, 1939, Serial No. 261,447
8 Claims. (Cl. 123—51)



1. A two-cycle opposed piston engine of the compression-ignition internal-combustion type, comprising a plurality of similar interchangeable combined cylinder-and-crank-case complete engine units adapted for connected side-by-side assembly, a drive shaft having a plurality of crank pins, one for each assembled engine unit, end housing units on said shaft connected to the respective end engine units, and means for fixedly uniting said units so as to form lubricant passage-ways to the interiors of the latter.

2,237,114
VALVE
Everett C. Read, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin
Application April 29, 1939, Serial No. 270,722
1 Claim. (Cl. 251—75)



An exhaust valve of the character described comprising a casing having a valve chamber and provided with a port extending completely around the inner peripheral wall of the chamber, a piston valve reciprocable in said valve chamber and having a valve body, a packing ring wider than the port and traveling thereacross but having in all positions of the valve a part thereof engaged with an uninterrupted portion of the valve chamber to prevent expansion of the ring to such ex-

tent as to make it liable to catch against the corners or edges of the port, a solid spacer ring carried by the valve body and having a rounded off outer surface, and packing rings carried by that portion of the valve body which lies at all times on one side of said port whereby said packing ring may be of such limited length that its effectiveness will not be impaired by virtue of unequal expansions that occur in different portions of the valve chamber.

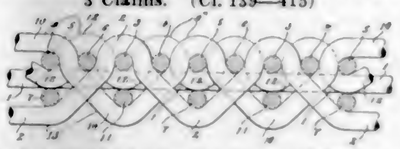
2,237,115

DRIER FELT

John R. L. Santos, Baltimore, Md., assignor to William E. Hooper & Sons Company, Baltimore, Md., a corporation of Maryland

Application May 16, 1939, Serial No. 273,935

3 Claims. (Cl. 139—415)



1. A drier felt having two layers of filling comprising a top layer having closely spaced filling threads, a bottom layer consisting of fillings in number equal to one filling thread for each two filling threads of the top layer, two sets of warp threads by which the alternate fillings of the top layer are interwoven with all the fillings of the bottom layer, an additional set of warp threads interwoven with and passing alternately over and under all the consecutive top filling threads and being free of the bottom layer, and a set of core warp threads passing between the fillings of the top layer and the fillings of the bottom layer.

2,237,116

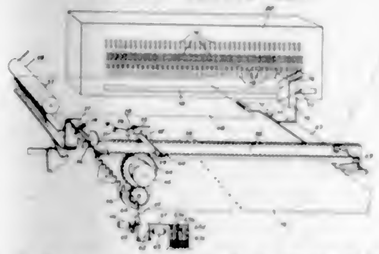
RECORD PUNCHING MACHINE

Walter Scheerer, Berlin-Lichterfelde, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 28, 1939, Serial No. 306,444

In Germany February 20, 1939

6 Claims. (Cl. 164—115)



1. In a punching machine, a settable device having a plurality of denominationally ordered sections each settable to represent any digit, a row of punches, operating means therefor, a card carriage for receiving a card containing columns of punching positions and for moving the card columns past said row of punches in succession, means for moving the carriage, an escapement mechanism for controlling said moving means, means for associating said ordered sections each with one of a like number of consecutive card columns, a member carried by the carriage, means for releasing said escapement mechanism, to enable the card to be freely moved past said row of punches, means controlled by said member and said settable device when the first card column associated with a section of the settable device arrives at the column of punches, for causing said escapement mechanism to interrupt the movement of the card, means controlled by the escapement mechanism, when the card is interrupted, for causing the section associated with the card column at the punches, to control the operation of said punches in accordance with the digit set up in said section, and means controlled by the punch operating means for causing the escapement mechanism to advance the card column by column, to enable each section to control the punching in its related column of the digit set up in the sections.

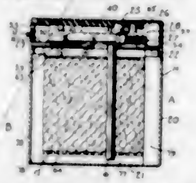
2,237,117

LIGHTER

George Philip Schmitt, New York, N. Y., assignor, by mesne assignments, to Cardinal Products, Inc., a corporation of New York

Application March 10, 1937, Serial No. 130,157

6 Claims. (Cl. 67—7)



1. A lighter comprising a casing having a fuel chamber with an opening for egress of the fuel, a catalyst unit, means for arranging said unit over and removed from said opening, respectively, said unit comprising a catalyst and a holder for the catalyst, said holder having a perforated bottom member adapted for communication with said opening and an open top for admission of the tip of a cigarette or the like; and means for sealing the top and bottom of said holder when the latter is removed from said opening.

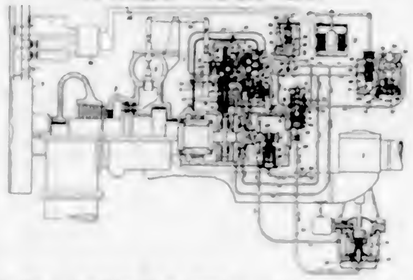
2,237,118

GOVERNING MECHANISM

Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 8, 1939, Serial No. 293,884

11 Claims. (Cl. 137—158)



7. The combination with a prime mover having an admission valve, of pressure-responsive means for controlling the admission valve such that with an increase in pressure supplied thereto the admission valve is moved in a closing direction and vice versa, first and second passages for supplying fluid under pressure to the pressure-responsive means, a first device for supplying to the first passage fluid under regulating pressure varying as a function of the prime mover speed, a second device for supplying fluid under pressure to the second passage, and valve means operable in response to both of said pressures to connect the passage of higher pressure to the pressure-responsive means.

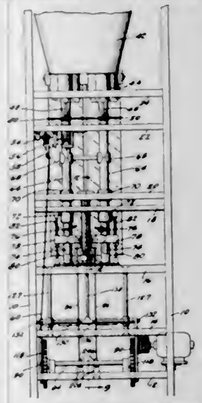
2,237,119

AUTOMATIC PACKAGING MACHINE

Raymond W. Smith, Chicago, Ill., assignor to Transparent-Wrap Machine Corporation, New York, N. Y., a corporation of New York

Application July 26, 1940, Serial No. 347,679

16 Claims. (Cl. 93—3)



1. In a tube making apparatus, a guide roller having a horizontal axis or rotation, a vertically disposed molding and filling tube having its upper end disposed beneath and to one side of said roller, a conduit from a hopper connected to said tube below the top thereof, means for projecting a web of material over and around said roller, against the upper edge and around the top of said tube, then around said tube to induce a draping flare which causes the edges to overlap, means for heat-sealing the overlapped edges and other means for making spaced horizontal seals in the tube thus formed.

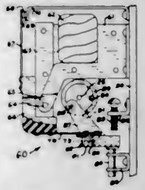
2,237,120

IGNITION CONTROL MEANS

Lauren V. Soderholm, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 3, 1938, Serial No. 183,020

11 Claims. (Cl. 158—28)



1. In a control system for an oil burner apparatus having burner means and ignition means, the combination of, a relay having a burner switch operatively associated with the burner means and an operating coil to close the burner switch when energized for operating the burner means, an ignition switch comprising a stationary contact and a movable contact operatively associated with the ignition means, a member operated by the relay coil of the relay, a direct mechanical connection between the member and the movable contact of the ignition switch, biasing means included in the connection for biasing the movable contact of the ignition switch to an open position, an abutment member carried by the movable contact of the ignition switch, cam means engaging the abutment member and operating to overcome the biasing means so that the ignition switch is closed upon energization of the operating coil of the relay, and means operated as an incident to establishment of combustion for operating the cam means to disengage the cam means and the abutment member whereupon said biasing means opens the ignition switch to stop operation of the ignition means.

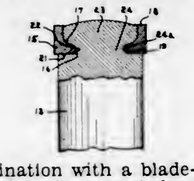
2,237,121

TURBINE BLADE SHROUDING

Samuel S. Stine, Lansdowne, and William E. Brown, Chester, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 26, 1939, Serial No. 296,566

2 Claims. (Cl. 253—77)



1. In combination with a blade-mounting element, a row of blades mounted on said element; tenons integral with and projecting radially from the free ends of the blades; and a segmental shroud strip at the free ends of said blades, said shroud strip having openings therethrough for reception of the tenons, the contours of said openings, when considered in axial planes, being such as to conform to the natural bulbous shape which the tenons would take if subjected to deforming pressure with freedom thereof to bulge laterally, and said tenons conforming to the shape of said openings and filling the same.

2,237,122

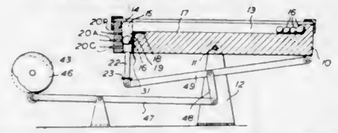
GAME OR AMUSEMENT APPARATUS

John Cyril Kingsley Swan, Hove, England, and Hector Buchanan Roy, deceased, late of Hove, England, by Constance Matilda Roy, executrix, Hove, England

Application March 13, 1939, Serial No. 261,620

In Great Britain March 21, 1938

8 Claims. (Cl. 273—138)



1. Game or amusement apparatus comprising a plurality of groups of devices adapted to be controlled by the distribution of balls, a second and corresponding plurality of groups of devices adapted to be manually controlled, a plurality of

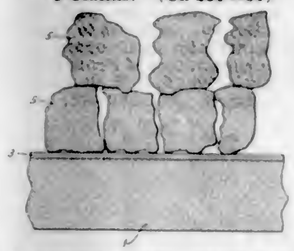
corresponding groups of means each adapted when engaged by a ball to initiate actuation of a device in one of the first plurality of groups, means for distributing a plurality of balls to said initiating means, one and only one for each group of means, whereby a ball co-operates with one of the means selected at random from each group to provide for the actuation of one device in each of the first plurality of groups, a plurality of manual controlling means for the second plurality of groups of devices, and a plurality of indicators for indicating correctness between the manual control and the control by a ball of corresponding groups of the first and second plurality of devices.

2,237,123

ELECTRIC DISCHARGE TUBE COMPRISING A FLUORESCENT SCREEN

Marten Cornelis Teves, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application November 2, 1938, Serial No. 238,318
In the Netherlands August 7, 1937
3 Claims. (Cl. 250—80)



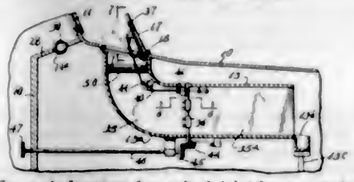
1. A fluorescent screen comprising a smooth transparent support, a highly transparent layer of rhodium deposited thereon, and luminescent material deposited upon the layer of rhodium.

2,237,124

DEFROSTER FOR WINDSHIELDS OF MOTOR VEHICLES

John Toolan, New York, N. Y.

Application July 12, 1939, Serial No. 283,951
3 Claims. (Cl. 20—40.5)



1. In a defroster for windshields, a conduit for location beneath the cowl of a vehicle having an engine beneath the cowl to receive heated air from the engine of said vehicle and having a discharge end opening in the top of the cowl, a shutter for deflecting discharged air from said opening against said windshield, means for moving and holding said shutter in various deflecting positions, a longitudinal partition dividing said conduit in two and having a front section hingedly mounted to move laterally to various positions across one part of said conduit to deflect various amounts of air into the other part of said conduit, an auxiliary shutter for the rear half of the portion of said conduit being closed by the front section of said partition, resilient means urging said auxiliary shutter against said shutter, and a cable connected with the front section of said partition and with said auxiliary shutter for drawing the auxiliary shutter closed to various degrees in proportion as the front section of the partition is moved laterally across said conduit.

2,237,125

NEUTRALIZATION OF RUBBER HYDROCHLORIDE CEMENTS AND PRODUCTS MADE THEREFROM AND PROCESS PERTAINING THERETO

Charles W. Walton, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 9, 1935,
Serial No. 30,516
5 Claims. (Cl. 18—57)

1. A foil composed essentially of neutralized rubber hydrochloride which foil is free from the products of the neutralization.

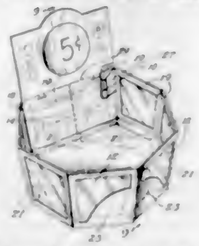
4. The method of neutralizing a rubber hydrochloride cement containing free hydrogen chloride which comprises bringing it into intimate contact with an excess of solid sodium carbonate and then separating the sodium carbonate and products of neutralization therefrom.

2,237,126

DISPLAY CONTAINER

Milton Weinman, Chicago, Ill.

Application January 21, 1939, Serial No. 252,100
2 Claims. (Cl. 206—44)



1. A display container comprising outer and inner side members, each of said members provided with vertical scores so that when articulated, a plurality of panels is produced, apertures being provided in said panels, said outer side member having tabs above and below said panels and being provided with a pair of end panels, inserts of transparent material large enough to cover said apertures, said outer and inner side members being secured together with said inserts between them and said tabs above the panels extending over the top edges of the inner side member and secured to its inner surface, means for holding ends of the side members in position to form a plurality of side faces, each comprising one of said panels, a bottom member shaped to engage said side members, said tabs below the outer side member being secured to the lower edge surface of said bottom member, said means including a back panel secured in surface-to-surface relationship to said end panels of said outer side member.

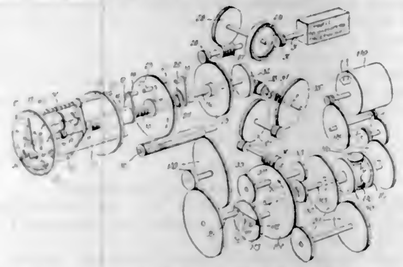
2,237,127

GEAR CHANGING MECHANISM

George Edward Weston, Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill.

Application October 31, 1938, Serial No. 238,120
In Great Britain November 11, 1937
10 Claims. (Cl. 74—112)

1. A gear changing device more particularly for use as a fixed charge collector in electricity and like prepayment mechanisms which comprises an externally threaded member, an internally threaded gear wheel mounted on said externally threaded member for helical movement therealong, an axially projecting abutment carried on each side of said gear wheel, two further abutments located one on either side of said gear wheel in fixed relation to the externally threaded



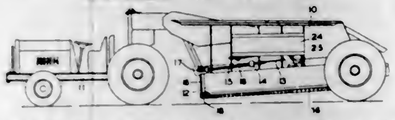
member for co-operation respectively with the gear wheel abutments positively to limit said helical movement, means for rotating said gear wheel from a constantly operating driving power source to move it in one helical direction from engagement with one of said further abutments to engagement with the other of said further abutments and means for subsequently returning said gear wheel to engagement with the first of said further abutments.

2,237,128

POWER WIND FOR DUMP VEHICLES

George E. Armington, South Euclid, Ohio, assignor to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio

Application April 24, 1940, Serial No. 331,287
3 Claims. (Cl. 298—35)



1. In a vehicle having a dumping door, a lever having a pivotal mounting, a door closing cable connected with said door and with said lever, a cylinder and piston motor for moving said lever to pull on said cable to close said door, said cylinder having a pivotal mounting, said piston having a piston rod connected with said lever, and said pivotal mountings and said piston rod connection being so positioned that said piston rod lies to one side of and adjacent a straight line between said pivotal mountings when said door is open and said piston rod lies substantially at right angles to a straight line between said piston rod connection and said lever pivotal mounting when said door is closed.

2,237,129

METHOD FOR PURIFYING TINNY LEADS AND LEAD-TIN ALLOYS

Gustave E. Behr, New York, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 26, 1939,
Serial No. 286,565
4 Claims. (Cl. 75—78)

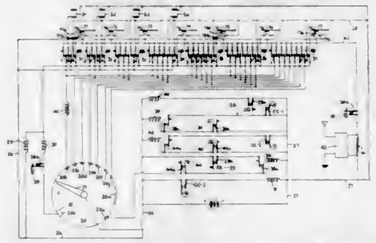
1. A method of removing impurities from tinny lead or lead-tin alloys which comprises melting such tinny lead or lead-tin alloys containing as impurities at least one element selected from the group consisting of the alkali or alkaline earth metals, magnesium, beryllium, aluminum and zinc, admixing therewith a lead halide mixed with a lesser amount of a mixture of sodium chloride and potassium chloride and agitating the mass at a temperature above the melting point of the lead halide-sodium chloride-potassium chloride mixture until the said impurities are removed from the molten mass as a halide slag and separating the purified metal from the said halide slag.

2,237,130

TRANSMISSION SYSTEM FOR STATISTICAL DATA

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 19, 1938, Serial No. 235,819
10 Claims. (Cl. 178—4)



1. A data recording system comprising a first station having therein a direct recording means to record original data, data transmitting means for transmitting a series of signals representing said original data, receiving means for receiving check-back signals, and an indirect recording means for recording data represented by said check-back signals for visual comparison with the original recorded data; in combination with a second station having duplicating means controlled by the transmitted data signals for duplicating the data on a multi-column record, each column of said data being duplicated in a corresponding column of said record, anlyzing means for analyzing each column of data immediately after it is duplicated, storing means controlled by the analyzing means to retain the duplicate data from the analyzed columns of the record until a predetermined later time when all of the transmitted data has been duplicated, and readout means cooperating with the storing means at said later time for sending out check-back signals representing the duplicate data to the first station.

2,237,131

TREATMENT OF WELLS

Richard H. Carr, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application December 9, 1938,
Serial No. 244,759
4 Claims. (Cl. 255—1)

4. In a method of facilitating the flow of mineral fluid from a plurality of producing zones into a well bore being drilled thereinto employing conventional rotary tools and a drilling mud fluid circulation through the drill stem to carry the drill cuttings to the surface, the steps which consist in halting the drilling operation after drilling through each productive zone, the permeability of

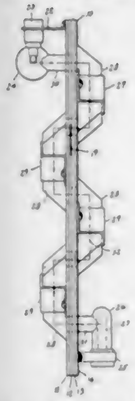
which it is desired to increase, introducing a quantity of acid into the well bore sufficient to displace the drilling mud fluid from the drill stem and upwardly in the well bore a sufficient distance to expose to the acid the producing zone which it is desired to acid treat, while allowing drilling mud fluid to escape at the casing head, closing the casing head when the producing zone is exposed in order to prevent further escape of drilling mud fluid, forcing the acid under pressure from the drilling stem into the producing zone and resuming drilling after acid treatment of each zone without withdrawing spent acid until the well has been drilled to the desired depth.

2,237,132

PHOTOELECTRIC COIN REGISTERING DEVICE

Andrew B. Christensen, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation

Application December 28, 1939, Serial No. 311,348
17 Claims. (Cl. 250—41.5)



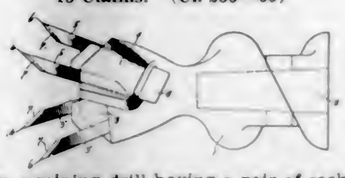
1. In coin controlled apparatus, a photocell, an exciter lamp positioned to project a beam of light thereon, and means adapted to guide a coin moving under the influence of gravity in a path intersecting said beam of light at a plurality of points on the path of said beam.

2,237,133

MINING DRILL AND BIT

Walter Cook, Benton, Ill., assignor to Central Mine Equipment Co., St. Louis, Mo., a corporation of Missouri

Application February 21, 1936, Serial No. 65,054
Renewed August 11, 1939
15 Claims. (Cl. 255—69)



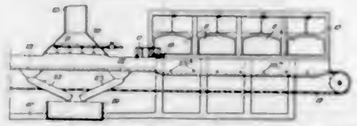
1. In a mining drill having a pair of sockets in its forward end, a wedge removably mounted in each of said sockets and each having a notch in one side provided with two side walls and having its inner end terminating in a tapered socket having three walls, two of which are continuations of the two walls of said notch and the third of which inclines outwardly toward the forward end of the wedge from intersection with a continuation of one of the walls of said notch to intersection with one side of said wedge forwardly beyond the inner end of said socket, and bits extending into said first named sockets and seated in said notches in said wedges and being of greater thickness than the width of one of said walls of said notches in said wedges and extending beyond the sides of said wedges and having tapered inner ends fitting in said tapered sockets and having cutting edges on their outer ends beyond said wedges, the length of said cutting edges extending generally in the direction of rotation of the drill.

2,237,134

COKE HANDLING MECHANISM

Maurice D. Curran, Glendale, Mo., assignor to Tar and Petroleum Process Company, Chicago, Ill., a corporation of Illinois

Application March 31, 1939, Serial No. 265,085
3 Claims. (Cl. 202—230)



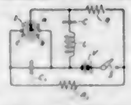
1. In combination, a coke oven, a horizontal trough extending in front of and past the discharge end of said coke oven, a conveyor in said trough adapted to convey a layer of hot coke along said trough, the bottom portion of said trough at the region adjacent to said oven being depressed slightly with respect to the remainder of said bottom portion, means for supplying water to said depressed portion, said remainder adjacent the depressed portion being provided with drain means on the surface positioned slightly above said depressed bottom portion whereby to limit the water in said depressed portion to a depth shallow with reference to the height of coke in said trough whereby hot coke traveling in said trough in said depressed portion will be enveloped in steam to prevent combustion of said coke prior to quenching, means for delivering a measured amount of quenching water to coke carried by said conveyor, said means for supplying said quenching water being disposed adjacent to a region reached by said coke after it has passed said depressed portion, said drain means being located below said quenching water supplying means, and means for maintaining an approximately uniform cross-section in the coke moving along said trough in the region adjacent to said quenching water supplying means.

2,237,135

RELAXATION OSCILLATOR

Wallace A. Depp, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 16, 1939, Serial No. 290,363
2 Claims. (Cl. 250—36)



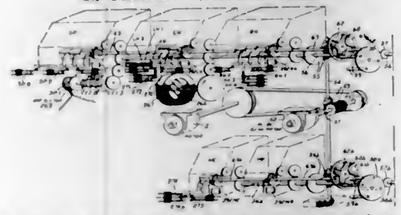
1. In a relaxation oscillator, a gas-filled tube comprising an anode, a cathode and a control electrode, a source of direct current, a main relaxation oscillator circuit comprising said source connected between said anode and cathode and a first condenser and an inductance serially connected in parallel with said anode and cathode, and means for controlling the frequency of said main circuit comprising a second relaxation oscillator circuit serially including said source, a resistance, and a second condenser, said cathode and control electrode being connected in shunt to said second condenser.

2,237,136

MULTIPLYING MACHINE

Arthur H. Dickinson, Bronxville, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 21, 1937, Serial No. 164,854
12 Claims. (Cl. 235—61.10)



1. In a multiplying machine, a multiplicand receiving device, means for entering an amount therein, a pair of multiplier receiving devices, means for entering an amount in each, a pair of result accumulating devices, entering means for each, multiplying means including a set of multiplying relays, means controlled jointly by said multiplicand receiving device, one of said multiplier receiving devices and said set of relays for controlling the entering means of one of said result accumulating devices to obtain therein the product of the multiplicand and one of the multipliers, further means controlled jointly by said multiplicand receiving device, the second of said multiplier receiving devices and said set of relays for controlling the entering means of the second of said result accumulating devices to obtain therein the product of the multiplicand and the second multiplier, control means for said two last named means for rendering said two last named means effective in succession whereby the product of the multiplicand and each multiplier will be obtained in said two result accumulating devices in succession, a recording mechanism, means for each of said result accumulating devices for controlling the operation of said recording mechanism in accordance with the results standing in said devices, and further control means coordinated with said first named control means for rendering said recording mechanism controlling means effective to cause recording of the first product while the second product is being obtained and thereafter rendering the second recording mechanism control means effective to cause recording of the second product.

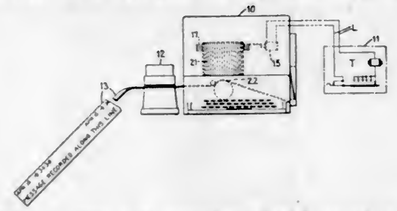
2,237,137

TIME RECORDING SYSTEM

Charles R. Doty, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 8, 1938, Serial No. 212,526
6 Claims. (Cl. 234—27.5)

1. In apparatus of the class described wherein a signaling device and means for controlling the same are provided; the combination of time recording means, an initial circuit for said time recording means having normally closed contacts therein and a normally open parallel connection thereto, a periodic closing means for said parallel connection, a switching means operated initially by the signaling device to energize the initial circuit to effect operation of the time recording means to record the initial time, means effective upon operation of the time recording



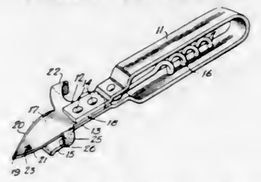
means to open the normally closed contacts of said initial circuit, control means for maintaining said switching means operative during the continued operation of signaling device and for a predetermined period thereafter, the switching means when operative being adapted to cooperate with the periodic closing means to complete a circuit to the time recording means through the parallel connection to record the time at periodic intervals.

2,237,138

CAN OPENER

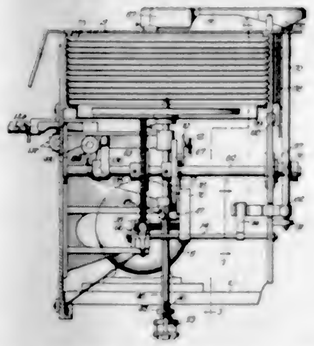
Ferdinand E. Fender, Evanston, Ill., assignor to Vaughan Novelty Mfg. Co. Inc., Chicago, Ill., a corporation of Illinois

Application July 15, 1939, Serial No. 284,682
1 Claim. (Cl. 30—22)



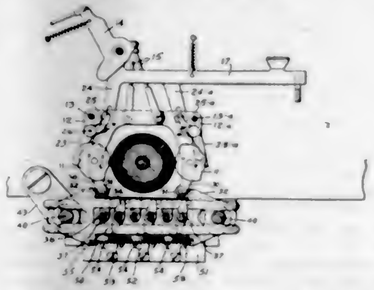
A can opener of the bayonet type having a handle, and a blade secured to said handle and having a continuous cutting edge terminating in a point, a portion of the blade adjacent the point serving only as a means to pierce a can top upon initially forcing the blade into the can top, the remaining portion of the blade serving primarily as a means to shear the can top upon subsequent successive rocking movement of the blade relative to the can, a member rigid with said blade and forming a pivot for such rocking movement, said blade having an opening therein, the metal from said opening being bent sidewardly to form a lug projecting from the side of the blade in the direction of said pivot member and sloping toward the point of the blade, said opening and lug being located near the junction of the shearing portion and the piercing portion of the blade and spaced from the longitudinal edges of the blade, whereby said piercing portion may readily be forced into the can top without being obstructed materially by said lug, and said lug will serve as a limit stop by engagement with the unsevered portion of the can top to prevent the piercing portion of the blade from being accidentally withdrawn from the can top during the rocking movement of the blade incidental to use of the shearing portion of the blade.

2,237,139
MULTIPLE RECORD PHONOGRAPH
Carl G. Freborg, Chicago, Ill.
Application July 3, 1940, Serial No. 343,721
10 Claims. (Cl. 274—10)



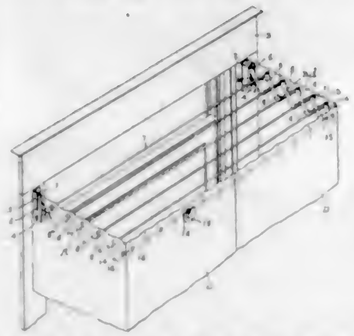
1. In an automatic phonograph, in combination, means for supporting a plurality of records to be played, means for moving any single record into playing position, a movable member having a plurality of positions corresponding to said records and controlling in each position said last named means to cause it to move the corresponding record, means for moving said member through a plurality of its positions, a shaft member connected for simultaneous movement with said movable member, projections on said shaft member corresponding to said records located in relative angular relation and in longitudinally spaced relation, a manually displaceable selecting member corresponding to each projection and adapted to cooperate with its respective projection on said shaft member, said selecting members when displaced being adapted to engage their corresponding projections and to locate the shaft and the movable member in corresponding position, and means for thereafter moving said shaft member to control the return of the engaging displaced member to initial position.

2,237,140
SIGNALING SYSTEM
Clyde J. Fitch, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 10, 1939, Serial No. 250,092
7 Claims. (Cl. 178—2)



1. A signaling system comprising a plurality of stations, a plurality of normally non-conductive signal channels at each station and means including a fluctuating power generating means for conditioning the signaling channels thereat periodically and cyclically at mutually exclusive intervals for controlling the conductivity thereof, means at each station for initiating or responding to aperiodic control signals, and manually controlled means at each station, in one status, for conditioning its signaling channels for initiating the control signals and preventing response to aperiodic control signals thereat, and in another status, for conditioning said channels for responding to control signals and preventing initiation of aperiodic control signals thereat.

2,237,141
CURTAIN SUPPORT
Etta F. Gale, Toronto, Ontario, Canada
Application January 24, 1940, Serial No. 315,373
2 Claims. (Cl. 156—22)



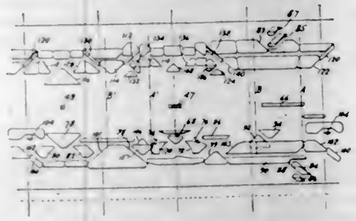
1. Curtain-supporting apparatus adaptable to windows of various width comprising in combination, a plurality of lazy-tong units, means for supporting said lazy-tong units in substantial parallel adjustably spaced relation including telescopically adjustable rod members extending between and bracing said respective units, said structure being adapted to detachably and slidably support curtains or the like.

2,237,142
WATTHOUR METER CONSTRUCTION
Frederick C. Holtz, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application December 15, 1938, Serial No. 245,832
2 Claims. (Cl. 171—264)



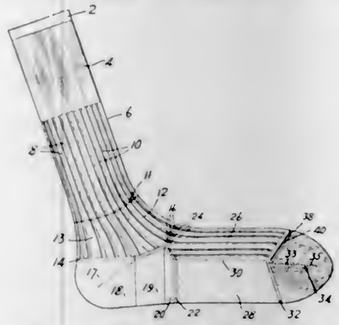
1. In an induction type electric instrument, in combination, a rotatable disc of conducting material, means for rotating said disc, and a generally E-shaped one piece permanent magnet positioned on one side of said disc, the poles of said E-shaped magnet being substantially equidistant from the center of said disc and so spaced relative to each other that there is substantial interaction between the eddy currents generated in said disc under one pole and the flux of the adjacent pole or poles.

2,237,143
KNITTING METHOD AND MACHINE
Harold E. Houseman, Laconia, N. H., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application November 1, 1939, Serial No. 302,443
22 Claims. (Cl. 66—14)



19. The method of knitting a stocking on a knitting machine of the superposed cylinder type comprising knitting on needles in both cylinders during reciprocatory knitting, and, during said reciprocatory knitting, transferring needles from one cylinder to the other to alter the type of stitches knit thereby.

2,237,144
STOCKING AND METHOD OF KNITTING THE SAME
Harold E. Houseman, Laconia, N. H., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application November 1, 1939, Serial No. 302,444
29 Claims. (Cl. 66—179)

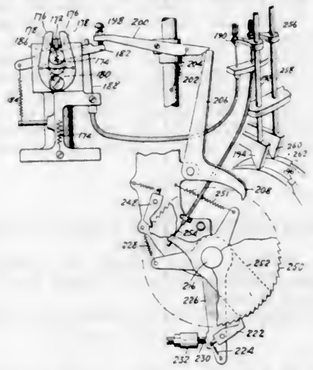


20. A knitted stocking having a portion formed by reciprocatory knitting and containing a suture, and at least one rib in said portion interrupted by the suture.

22. A circular knit stocking having a portion formed by reciprocatory knitting and having in said portion in at least one wale thereof two loops reversely concatenated in adjacent courses knit in opposite directions.

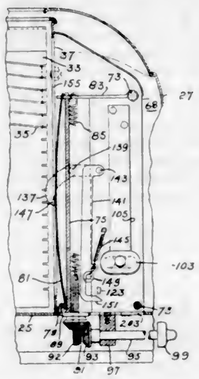
2,237,145
KNITTING METHOD AND MACHINE
Harold E. Houseman, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Original application November 1, 1939, Serial No. 302,443. Divided and this application April 13, 1940, Serial No. 329,397
10 Claims. (Cl. 66—14)

1. A circular knitting machine comprising a needle cylinder, needles adapted to slide in said cylinder, means for feeding yarns to the needles, means to control needle movements to form stitches, means for imparting reciprocatory



movements to the cylinder, a double acting needle picker, and means for rendering said picker active to pick needles only when the needles are moving in one direction during the formation of a part of a pocket by reciprocatory knitting.

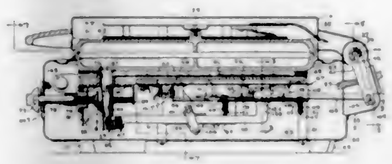
2,237,146
THERMAL TIMER FOR AUTOMATIC TOASTERS
Murray Ireland, near Elgin, Ill., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application June 3, 1939, Serial No. 277,292
5 Claims. (Cl. 219—19)



1. In combination with an automatic electric toaster comprising a toast heating means, a bread carrier movable into toasting and non-toasting positions relatively to said toast heating means and yieldingly biased to non-toasting position, means for moving said bread carrier to toasting position to initiate a toasting operation and means to terminate a toasting operation, said means comprising a unitary assembly including a control switch for the toast heating means normally yieldingly biased to open position, detent means including a main detent operatively engageable by said bread carrier when it is being moved into toasting position and effective to hold the bread carrier in toasting po-

sition, a second detent on said main detent for moving said switch into closed position during movement of the bread carrier to toasting position and for holding the switch in closed position, a bimetal bar, means for heating and then rapidly cooling said bimetal bar to cause a portion thereof to move in one and then in the reverse direction, movement of the bimetal member in said one direction causing release movement of the second detent and opening of said control switch and means actuable by said bimetal when moving in the reverse direction for effecting release of the carrier from said main detent.

2,237,147
TIMER CONTROL FOR WAFFLE BAKER SIGNALS
Murray Ireland, near Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application April 5, 1940, Serial No. 327,982
7 Claims. (Cl. 161—16)



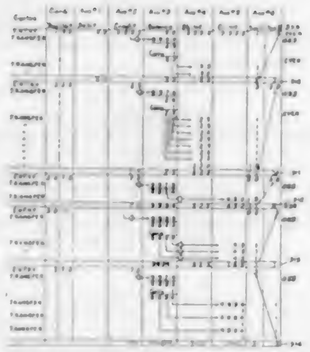
1. In a waffle baker including a lower grid, an upper grid movable away from and into engagement with the lower grid and electric heating means for each of said grids, the improvement comprising a visual signal for indicating the termination of a baking operation, a mechanical timer for controlling said signal, a timer-winding arm on said timer, a link connected to the upper grid and movable thereby into engagement with the timer-winding arm when the upper grid is moved away from the lower grid and is moved to cause wind-up of the mechanical timer when the upper grid is moved into engagement with the lower grid and means engaging said link near the end of its timer-winding movement to disengage it from said timer-winding arm and means on said time-winding arm for causing energization of the signal when the timer has completed its operation.

2,237,148
DOOR STOP
Alexander F. Kaptuller, Chicago, Ill., assignor to Agnes Kuney, La Grange, Ill.
Application February 19, 1940, Serial No. 319,627
10 Claims. (Cl. 16—137)



1. In a door stop hinge attachment, the combination with standard door swinging hinge plates in complemental connected association by a pintle extending therethrough, of a rigid bracket member provided with integral arms having aligned spaced openings to receive the hinge pintle therethrough for detachable connection above and below the hinge plates responsive to inserting the pintle therethrough, and adjustable door stop means mounted on said member for support by said hinge pintle between a door and frame swingingly connected by said plates and pintle for regulating the limit of maximum swinging door movement.

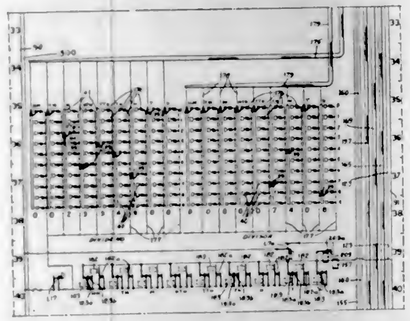
2,237,149
TABULATING MACHINE
Ulrich M. W. Kölm, Berlin, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 5, 1935, Serial No. 539
In Germany January 30, 1934
11 Claims. (Cl. 235—61.7)



1. In a machine of the class described, means for feeding record cards in succession, means for concurrently sensing a pair of successively fed record cards, a pair of accumulators, a pair of settable devices, means controlled by said sensing means for concurrently entering a different number into each of said devices, one number from each of the concurrently sensed record cards, further sensing means and means controlled thereby for entering an amount into one of said accumulators, means for repeatedly transferring the amount from said last named accumulator to the other accumulator, group control mechanism controlled by said first named sensing means, means controlled by said group control mechanism for interrupting operation of said card feeding means, further means controlled by said group control mechanism for initiating the repeated operations of said transferring mechanism, means operative during said transferring operations for advancing the settable devices containing the lesser number to raise the number therein to the value of the other number and means controlled by said settable devices when both are set at the same number for interrupting the operation of said transferring means.

2. In a machine of the class described, means for sensing record cards concurrently, each card containing a different amount designation, a pair of entry receiving devices, entering means for each, means controlled by said sensing means for controlling said entering means to enter an amount into each of said devices from two of said cards whereby each device contains a different number, resetting mechanism for both said devices, means for causing the entering means of the one of said devices containing the lesser number to repeatedly add ones to the initially entered lesser amount, means for comparing the entries in said devices and means controlled by said comparing means when the amounts are alike for initiating an operation of said resetting mechanism.

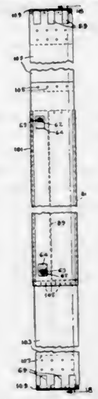
2,237,150
DIVIDING MACHINE
Ulrich M. W. Kölm, Berlin-Lankwitz, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 18, 1935, Serial No. 22,202
In Germany July 6, 1934
9 Claims. (Cl. 235—61.6)



1. In a machine of the class described having an accumulator, means for entering a dividend amount therein, a device settable to represent a divisor amount, connections between said device and said entering means, means for transferring the divisor amount in the form of a complement to the dividend accumulator through said connections, in combination with means including a set of relays controlled by said device for ascertaining the denominational position in which the highest order significant digit occurs, means including a second set of relays controlled by said accumulator for ascertaining the denominational position in which the highest order significant digit occurs, means controlled by said sets of relays for directly adjusting said connections so that the highest order of the divisor is associated with the highest order of the dividend, further means controlled by said settable device and said accumulator for comparing the divisor and dividend amounts and means controlled by said comparing means for further adjusting said connections so that the highest order of the divisor is associated with the next lower order of the dividend amount, when the highest order digit of the dividend amount is less than the highest order digit of the divisor amount.

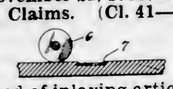
2,237,151
ELECTRIC HEATER FOR WATER TANKS
August J. Knez, Chicago, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application March 3, 1939, Serial No. 259,511
3 Claims. (Cl. 219—38)

1. A metal encased band-like electric heating unit comprising a metal casing, an insulated heating element in said casing of appreciably lesser width than said casing and at least one filler strip of substantially the same thickness



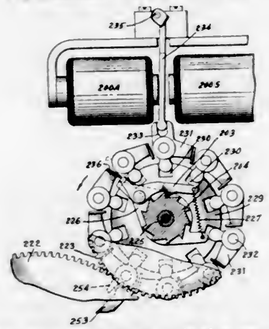
as is the insulated heating element at one side of said insulated heating element.

2,237,152
METHOD OF INLAYING ARTICLES
James J. Larmour, East Orange, N. J., assignor to Plastic Inlays, Inc., Summit, N. J., a corporation of New Jersey
Application November 21, 1938, Serial No. 241,564
11 Claims. (Cl. 41—35)



1. The method of inlaying articles molded from a synthetic resin compound which comprises heating the surface of the article being ornamented through the intermediation of the ornament being inlaid, and tapping said ornament during the heating operation to force it against the surface of the article to embed it therein.

2,237,153
TABULATING MACHINE
Hans Neumann-Lezius, Berlin-Lankwitz, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 19, 1938, Serial No. 219,983
In Germany October 7, 1937
4 Claims. (Cl. 235—61.6)



1. In an accumulating unit for an accounting machine having an accumulating element which is to be advanced to any of a plurality of ro-

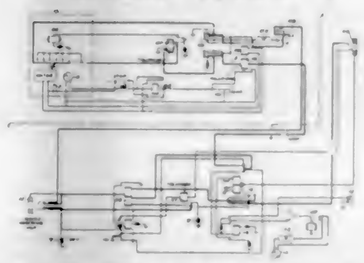
tative positions to represent different amounts, including in combination differential advancing mechanism for said accumulating element, said mechanism comprising a continuously driven driving ratchet, a pawl carried by said accumulating element, a plurality of stops, spaced in the path of said pawl, there being a stop for each of said rotative positions, and any one of said stops engaging said pawl to hold the latter out of engagement with said driving ratchet, means for moving said stops concurrently into or out of the path of the pawl, means called into action at differential times and with the element in any of its rotative positions for causing said moving means to move all said stops concurrently out of the path of the pawl, whereby said one of the stops will release said pawl for engagement with said driving ratchet, and means for causing said moving means to move all of said stops back into the path of said pawl at a fixed time in the operation of the machine whereby another of said stops will engage the pawl to release it from the driving ratchet and said accumulating element will be advanced, due to the engagement and disengagement of said pawl and ratchet, from its initial rotative position an amount determined by the differential time of engagement of the pawl and ratchet.

2,237,154

TELEGRAPH EXCHANGE SYSTEM

George A. Locke, Glenwood, and Fullerton S. Kinkead, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 7, 1930, Serial No. 459,684
124 Claims. (Cl. 178—2)



99. In a telegraph switching system, a subscriber line terminating in a jack of the multiple jack type at a central office, said jack having two elements for circuit connections in addition to a third or sleeve element, a calling device at the subscriber end of said line operable to indicate a call condition to said central office at said central office, and circuit instrumentalities controlled by operation of said device to calling condition to change the potential upon the sleeve of said jack.

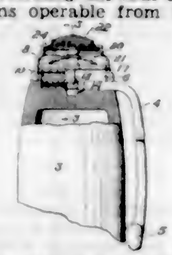
2,237,155

PEN AND PENCIL CLIP AND THE LIKE

Morris M. Malis, Atlantic City, N. J.

Application May 31, 1940, Serial No. 338,017
9 Claims. (Cl. 24—11)

4. In combination with a pen or the like a clip comprising an arm movable into and out of gripping relation with the outer surface of the pen and arm supporting means slidable transversely of the latter means within the pen engageable with the supporting means for releasably holding the arm in gripping relation with the pen, yielding means biasing the arm out of said relation and means operable from the end of the



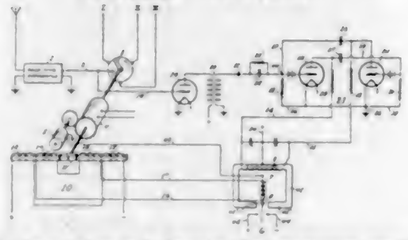
pen for moving said holding means out of engagement with the supporting means.

2,237,156

SPEED CORRECTION FOR MULTIPLEX TELEGRAPH AND FACSIMILE SYSTEMS

Richard E. Mathes, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 13, 1938, Serial No. 245,364
20 Claims. (Cl. 178—53)



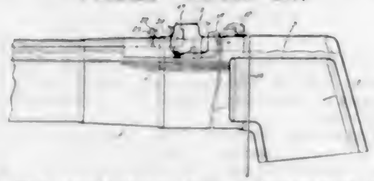
1. In a telegraph system for receiving multiplex signals having a predetermined channel keying frequency, a receiving line, a distributor connected to said line, means for operating said distributor substantially at said channel keying frequency, control means for causing the first means to increase and decrease the speed of said distributor, a generator of alternating electromotive force at the receiver having a frequency proportional to the channel keying frequency, a second generator of alternating electromotive force at the receiver having a frequency proportional to the speed of said distributor and means for causing said control means to increase the speed of the distributor when the frequency of the second generator is below that of the first generator and to decrease the speed when it is thereabove.

2,237,157

STEAM PURIFIER AND SKIMMER

Verl E. McCoy, La Grange, and Homer H. Richardson, Western Springs, Ill.

Application January 27, 1938, Serial No. 187,232
6 Claims. (Cl. 122—459)



1. The combination with a locomotive boiler having a crown sheet with a normal water level above said crown sheet and a steam service outlet in advance of said crown sheet and substantially on the transverse central plane of the body of water in said boiler, of a substantially U-shaped partition depending from the top boiler plates to below the water line with its closed end communicating with said outlet and its open end remote from said crown sheet to provide an elongated passage on each side of said boiler and communicating with the front thereof, a foam skimmer in each passage below the water line and comprising a trough-like container extending laterally from each side of said U-shaped partition to the adjacent boiler plate and having its side walls extending above the water line to form baffles, an equalizing conduit between said troughs, a float in one of said troughs, and means controlled by said float to intermittently discharge the scum and impurities collected by both skimmers.

2,237,158

BUCKLE MAKING KIT AND PROCESS

Lawrence E. McDonough, Park Ridge, Ill., assignor to Maxant Button and Supply Company, Chicago, Ill., a corporation of Illinois

Application August 5, 1938, Serial No. 223,254
6 Claims. (Cl. 29—3)



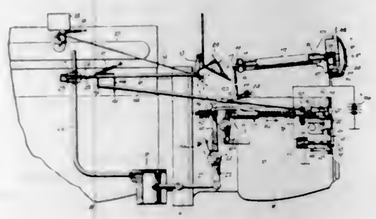
1. An assembly jig for the purpose indicated comprising a flat supporting portion with a projecting portion upstanding from the central area of said flat portion, the flat portion having a peripheral outline adapted to serve as a pattern for trimming the outline of a piece of material secured on the jig in operative relation to its said projecting portion for assembly with another part also secured in such relation whereby the marginal portion of said material is correctly dimensioned for overlapping the marginal portion of said other part.

2,237,159

TRANSMISSION

Paul W. Neff, New Kensington, Pa.

Application June 28, 1938, Serial No. 216,313
19 Claims. (Cl. 192—3.5)



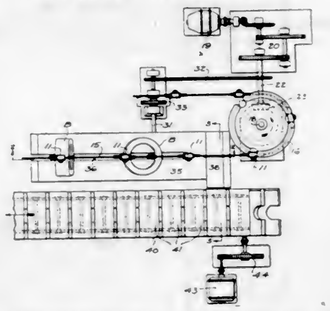
1. In a transmission system, a clutch, speed change gears, a manually operated gear selector for selecting gears, a shifter lever for coupling the selected gears, a power operated device for controlling said clutch and having a yieldable connection to said shifter lever, means for holding said lever in gear coupling position, and operating means on said gear selector for releasing the shifter lever upon operation of the selector.

2,237,160

HANDLING OF ROD BUNDLES OR THE LIKE

Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application August 18, 1939, Serial No. 290,872
6 Claims. (Cl. 198—20)



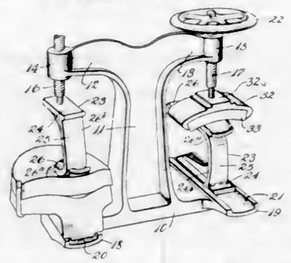
1. In combination with a hook carrier having a series of suspended hooks arranged to travel with their points extending forwardly in the direction of movement and serving to convey rod bundles or similar annuli which depend therefrom with their axes substantially horizontal, a device located beneath the path of the hooks, and means to move the device into contact with the rear of the lower portion of a bundle while the bundle is depending freely from its hook and then upwardly and forwardly at a speed exceeding that of the hooks, the said device serving to swing the lower portion of the bundle to a position in front of the upper portion thereof and to drag the bundle forwardly from its hook.

2,237,161

SHOE REPAIR PRESS

Ivie H. Rennie, West Medford, and Harold A. Williams, Wakefield, Mass., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application May 9, 1939, Serial No. 272,570
2 Claims. (Cl. 12—33)



1. A press for use in repairing footwear, said press comprising a bed having a guideway thereon for adjustably supporting interchangeable pressing elements, an arm opposed to said bed, pressure applying means supported by said arm, and a pair of pressing elements removably mounted between said bed and said arm for engaging a shoe therebetween, said pressing elements each being adapted and arranged to be positioned optionally against said bed or said pressure means, and said pressing elements each having means for engagement of the element with said guideway when positioned in contact

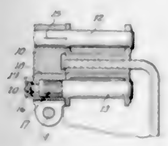
with said bed for adjustment therealong while the other element is engaged by said pressure applying means.

2,237,162
BOTTLE CAP
Allan Robinson, Roxbury, Mass.
Application March 28, 1940, Serial No. 326,410
6 Claims. (Cl. 35—59)



1. A cap for a colored finger nail polish bottle shaped substantially in the form of a finger nail, a disc element colored like the polish in the bottle having a similar shape but slightly smaller at the rounded end whereby the top surface of said cap portion shows around the sides and back of said disc element, means pivoting said disc element to said cap at a point corresponding to the nail end of said finger nail to permit said disc element to be rotated sufficiently away from the cap for a person to put his finger thereunder to obtain an estimation of how his finger nail similarly colored would appear, said disc element being slightly convex in its transverse section.

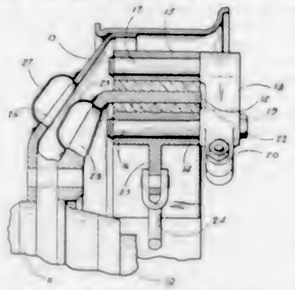
2,237,163
SHACKLE ARM CONSTRUCTION
Ralph H. Rosenberg, Detroit, Mich., assignor to Detroit Duo-Grip Brake Company, Detroit, Mich., a corporation of Michigan
Application June 28, 1940, Serial No. 342,986
2 Claims. (Cl. 188—79.5)



1. A fork comprising, a link and parallel pins mounted therein, said link having an opening and a split boss formed in opposite ends thereof, one of said pins having a tapered burr formed therein, said burr being compressed and imbedded in the link as the pin is pressed in the opening therein, the other of said pins having serrations formed therein adjacent an end thereof, an eccentric member die cast on the serrated end of said pin, and means coacting with said split boss to adjustably clamp said eccentric member therein.

2,237,164
AIR COOLING DEVICE FOR BRAKES
Ralph H. Rosenberg, Detroit, Mich., assignor to Detroit Duo-Grip Brake Company, Detroit, Mich., a corporation of Michigan
Application June 28, 1940, Serial No. 342,988
4 Claims. (Cl. 188—264)

1. A vehicular wheel assembly embodying a wheel having a plurality of openings formed therein, a brake drum having openings therein disposed in aligned relation with the openings in said wheel, a pair of brake engaging shoes disposed contiguous the inner and outer surfaces of the brake drum and means secured on said wheel



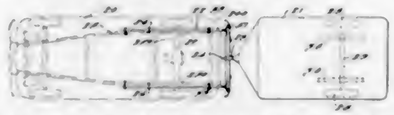
and on said drum for directing a stream of air through the respective openings therein and over the brake shoes.

2,237,165
COLOR MATCHING AID DEVICE
Frank Scheuer, Bronx, N. Y.
Application April 17, 1940, Serial No. 330,004
3 Claims. (Cl. 88—14)



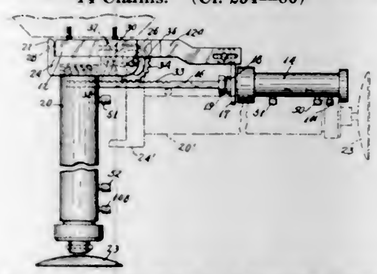
1. A color matching device, comprising a stiff base sheet, a plurality of superimposed concentric disc sheets axially rotatively mounted on said base sheet and of progressively smaller diameters from the bottom disc sheet to the top disc sheet, exposed adjacent concentric annular areas formed on said sheets and divided into sections of different colors to aid in matching colors, an intermediate disc of said disc sheets being formed with a central opening slightly less in diameter than the diameter of said top disc sheet, and a sheet of rubber material mounted on the bottom face of said intermediate disc sheet and across said opening, whereby the elasticity of said rubber sheet permits said intermediate disc sheet to be forced into any lateral position for matching the colors of said intermediate disc sheet with the colors of the annular area of said base sheet.

2,237,166
TRAILER HITCH
George B. Schoenrock, Detroit, Mich.
Application March 1, 1940, Serial No. 321,648
6 Claims. (Cl. 280—33.9)



5. A trailer hitch comprising a pair of side members formed to follow generally the shape of the frame of a tow car extending rearwardly from said tow car and a transverse member secured thereacross, horizontal pivot means on the frame of said tow car located forward of the rear axle thereof engaging the side members of said trailer hitch pivotally connecting the said trailer hitch to the frame of the tow car, means spaced longitudinally of said pivot means engaging the side members of the said trailer hitch and the frame members of the said tow car resiliently supporting said trailer hitch in a substantially horizontal position, and stop means on the frame of the tow car for preventing excessive deflection of the said side members when the trailer hitch pivots downward with respect to the frame of the said tow car, and means for connecting a trailer to said trailer hitch permitting universal movement therebetween.

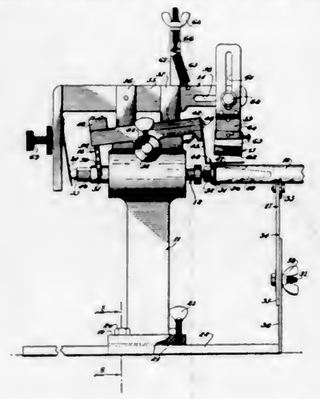
2,237,167
HYDRAULIC FLUID JACK FOR MOTOR VEHICLES
Anthony Skavinsky, Bronx, N. Y.
Application August 27, 1940, Serial No. 354,404
14 Claims. (Cl. 254—86)



1. In a hydraulic fluid jack for motor vehicles, a bracket for attachment adjacent the wheel of a vehicle, a horizontal cylinder supported on said bracket and having a piston with a horizontally projecting piston rod, a vertical cylinder pivotally mounted in said bracket and adapted to pivot to a horizontal position and having a piston with a vertically projecting piston rod, means for locking said vertical cylinder in its vertical position, means operable by the retraction of said horizontal piston rod for unlocking said locking means and for moving the vertical cylinder to its horizontal position and upon extension of the horizontal piston rod moving the cylinder back to its vertical position and, a supply of hydraulic fluid from and to said horizontal cylinder for extending or retracting its respective piston rod.

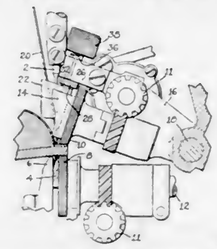
2,237,168
STENCILING APPARATUS
John C. Smith, Beaver, Pa., assignor to Solar Laboratories Company, Beaver, Pa., a corporation of Pennsylvania
Application November 18, 1938, Serial No. 241,219
8 Claims. (Cl. 101—124)

1. In a stenciling apparatus, a body, a chuck rotatably and translatably mounted in said body, said chuck adapted to receive a cylindrical article of glassware and be engaged therewith whereby rotation of the article rotates the chuck and pressure against the chuck translates the same, means for supporting the outer end of the article of glassware, a stencil screen pivotally mounted on the body, a squeegee pivotally mounted on the body and disposed adjacent the screen, means operated by translation of the chuck for moving the squeegee against the screen and the screen against the article of glassware, and driving means operated by rotation of the chuck for



translating the screen in synchronism with the rotation of the chuck.

2,237,169
SHOE LASTING AND SEWING MACHINE
John M. Whelton, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 25, 1939, Serial No. 296,361
7 Claims. (Cl. 12—6)

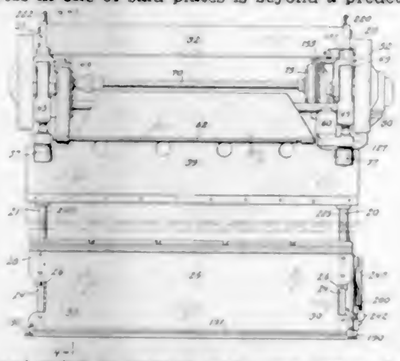


1. A lasting and sewing machine for stitchdown shoes having, in combination, stitch-forming devices including a reciprocating eye-pointed needle, means for supporting the projecting marginal portions of a lasted shoe upper and outsole in positions to cause the needle first to engage the upper along the crevice formed by the outsole and the last supported surface of the upper and then to enter the outsole, and a shield between the needle and the last supported surface of the upper to protect the upper from the whipping action of the needle thread during sewing.

2,237,170
BRAKE
Larkin R. Williamson, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application March 31, 1939, Serial No. 265,238
19 Claims. (Cl. 153—21)

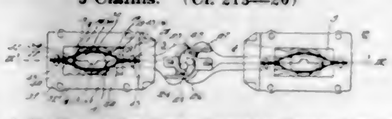
1. In a machine tool, a fixed frame comprising relatively thin plates, a movable work member adapted to cooperate with said fixed frame to perform a work operation and thereby stress said plates, power means to drive said work member,

and means operative automatically whenever the stress in one of said plates is beyond a predeter-



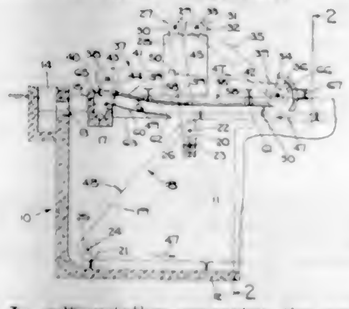
mined point to prevent said power means from driving said work member.

2,237,171
DRAFT GEAR
Carl C. Auel, Irwin, Pa.
Application December 2, 1938, Serial No. 243,534
5 Claims. (Cl. 213—20)



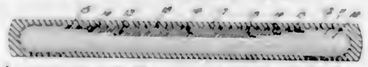
3. A draft gear having a frame, a drawbar movably disposed therein for longitudinal movement, said drawbar being longitudinally split, the split parts being pivotally related, and elliptical spring means supported at its ends in said frame and having its opposite leaves enclosing and engaging certain portions of said split parts for biasing said parts together and also yieldingly restraining longitudinal movement of the drawbar in either a pushing or a pulling direction.

2,237,172
SCUM REMOVER FOR SEWAGE SETTLING TANKS
Robert E. Briggs, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application May 21, 1936, Serial No. 80,979
11 Claims. (Cl. 210—3)



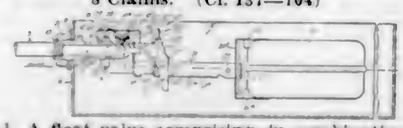
10. In sedimentation apparatus, the combination with a settling tank, of a scum trough extending across one end portion of said tank, a sloping ramp leading to said trough from a position below the normal level of the liquid in the tank, the receiving edge of the ramp being submerged in the liquid, a chain flight conveyor having a scum removing run movable along the level of the liquid in the tank to transfer floating material therefrom to said trough, mechanism comprising spaced-apart rails for supporting the chain flight conveyor scum-removing run in predetermined position relative to such liquid level, and stationary abutments parallel to said ramp and spaced therefrom one above each of said rails to prevent upward movement of the scum removing run when traveling along said ramp to said scum trough.

2,237,173
CONVEYER BELT
Abraham Brill, Youngstown, Ohio, assignor to Lee Rubber and Tire Corporation, Conshohocken, Pa., a corporation of New York
Application October 26, 1939, Serial No. 301,331
4 Claims. (Cl. 198—193)



1. A conveyer belt comprising a belt body of the stepped-ply type and, substantially filling the valley incident to the stepped-ply construction, a cushioning element composed of dense material having substantially the resilient deformability of vulcanized low-pigment soft rubber, and a relatively hard layer of abrasion resisting material overlying said cushioning element and firmly united therewith.

2,237,174
FLOAT VALVE
Oscar F. Carlson, Kenilworth, Ill., assignor of one-half to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois, and one-half to Everett N. McDonnell, Chicago, Ill.
Application July 8, 1940, Serial No. 344,330
8 Claims. (Cl. 137—104)

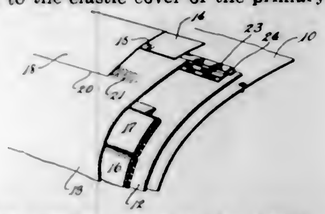


1. A float valve comprising, in combination, a valve body, a float, a bell crank lever having the float associated with one arm, an inlet port in said valve body, a second bell crank lever, a valve member for closing said inlet port carried by one arm of said second lever, an arm of the float lever engaging the other arm of said second lever and rotating the same in valve closing direction, a cam arm carrying a cam member and a follower member adapted to engage said cam member carried by the respective bell crank levers, and spring means biasing said cam arm against said follower member.

2,237,175
APPARATUS FOR PREVENTING THE ACCUMULATION OF ICE
Russell S. Colley, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 6, 1938, Serial No. 206,397
16 Claims. (Cl. 244—134)

1. Apparatus for dislodging ice comprising a primary ice-dislodging member including an inflatable element and an elastic cover thereover,

and a secondary ice-dislodging member comprising an elastic sheet having a margin thereof secured to the elastic cover of the primary ice-dis-



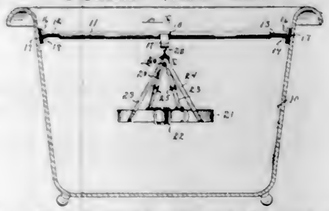
lodging member whereby the elastic sheet is stretched by movement of the elastic cover of the primary member upon inflation of the inflatable element.

2,237,176
MERCHANDISE CONTAINER
Jack R. Dorman, Cincinnati, Ohio
Application December 22, 1938, Serial No. 247,184
4 Claims. (Cl. 312—107)



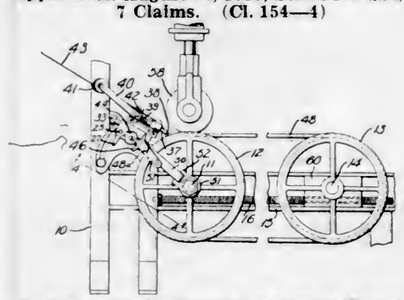
3. Container means, comprising, two rectangular compartments, each adapted to receive a drawer and each including side walls, a bottom and a top wall, one of the side walls of the first compartment having an external rearwardly disposed lip at its forward edge forming a slot of substantially the same thickness as the side wall, the forward edge of the adjacent side wall of the second compartment being fitted into said slot, and the adjacent side wall of the second compartment including an external forwardly disposed lip at its rear edge providing a slot of substantially the same thickness as the side wall and engaging over the rear edge of said side wall of the first compartment.

2,237,177
SAFETY BATHTUB SUPPORT FOR INFANTS
Carl H. Fischer, Council Bluffs, Iowa
Application November 17, 1938, Serial No. 240,975
1 Claim. (Cl. 4—185)



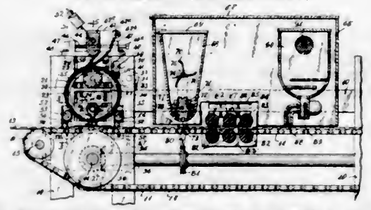
In a safety bathtub support for infants, an elongated member having a slot cut adjacent its central portion, a rod element having one of its ends threaded into one of the ends of elongated member and having its other end slotted, a tub engaging member, a link formed on said tub engaging member capable of being pivotally supported and engaged within said slotted end on said rod, a second rod element having one of its ends threaded into the other end of said elongated member and having its other end slotted, a second tub engaging member, a link formed on said tub engaging member capable of being pivotally supported and engaged within said slotted end on said second mentioned rod, and a harness member secured to said elongated member through said slots; said tub engaging members being capable of contacting and assuming the angle of the walls of said bathtub when said elongated member is turned in one direction.

2,237,178
METHOD AND APPARATUS FOR MAKING BELTS
Walter B. Freeman, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 224,419
7 Claims. (Cl. 154—4)



1. Apparatus for forming a layer of filamentous material, said apparatus comprising spaced-apart rotatable drums, a guide for directing the filament to the surface of one of the drums, means adapted to feed the guide across the face of the said drum, and means trained about the drums for actuating said feeding means.

2,237,179
MEANS FOR DECORATING TEXTILES
Alexander G. Gromm, New York, N. Y.
Application September 28, 1939, Serial No. 296,889
10 Claims. (Cl. 101—116)



5. In a means for decorating textiles, an endless conveyor, fabric holding elements on said conveyor for holding and stretching fabric material placed thereon, a hollow cylindrical porous stencil rotatively supported transversely of said conveyor and spaced from the top face of said fabric material, means for rotating said stencil synchronized with said conveyor, means for supplying ink or other fluid material to fill the porous openings of said stencil, an air supply, a pipe extended through said stencil and connected with said air supply, and an elongated discharge nozzle formed on said pipe and directed downwards for blowing the fluid material from the porous openings located above said fabric onto said fabric for transferring the design of said stencil to said fabric, and means for holding said pipe in various vertical adjusted positions to change the space between said stencil and said nozzle to vary the

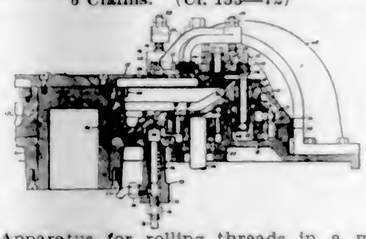
operative force of the discharging air, comprising a vertical frame extending along the ends of said pipe, blocks supporting the ends of said pipe and slidably supported on said frame, and screws having their intermediate portions threadedly engaged through a stationary portion of said frame and having their free ends bearing against said blocks.

2,237,180

THREAD FORMING APPARATUS

Clarence E. Hahn, Euclid, and Oscar A. Boyer, East Cleveland, Ohio, assignors to General Electric Company, a corporation of New York

Application December 7, 1938, Serial No. 244,414
6 Claims. (Cl. 153—72)



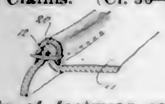
1. Apparatus for rolling threads in a metal shell comprising a threaded spindle arranged to receive the metal shell, a turret for supporting said spindle and moving it along a definite curved path, a segmental die member having a threaded face located adjacent said path, said die face being located at the inside of said path and being of greater curvature throughout its length than the adjacent portion of said path so that its ends are spaced slightly farther therefrom than its mid-section so that during movement of said spindle therealong the said die face is engaged by the side walls of said shell with varying pressure, and means for rotating said spindle during said movement to cause the shell to engage and roll the face of said die so that the side walls of the shell are gradually pressed into the threads of the spindle.

2,237,181

ARTICLE OF FOOTWEAR

Clarence E. Hosker, Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application October 26, 1940, Serial No. 362,991
4 Claims. (Cl. 36—45)



1. An article of footwear comprising a one-piece vamp extending over the fore-part of the article, including the toe-portion thereof, said vamp being held together in a fold extending around said fore-part of the article, and a decorative covering element overlying said fold and secured thereto in a manner presenting the article with a moccasin-like appearance.

2,237,182

METHOD OF MOUNTING TIRES

Alfred N. Iknayan, Indianapolis, Ind., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application May 26, 1938, Serial No. 210,129
4 Claims. (Cl. 152—157)

1. The method of mounting an inflatable sponge rubber filler within a tire casing which comprises the steps of, reducing the air pressure within the sponge rubber filler below normal atmospheric pressure whereby the sponge rubber



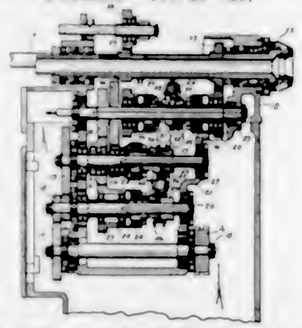
filler contracts, mounting the filler within the tire casing while the filler is in a contracted state, and permitting the filler to expand within the tire casing.

2,237,183

CLUTCH OPERATING MECHANISM FOR AUTOMATIC SCREW MACHINES

Alfred F. Jelinek and Walter E. Gross, Cleveland, Ohio, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio

Application March 4, 1940, Serial No. 322,185
4 Claims. (Cl. 29—43)



1. In a screw machine embodying a cam shaft, a work holding spindle and gearing to effect variable forward speeds and the reverse of said spindle, clutches coordinated with said gearing, shifter forks coordinated with said clutches, plungers operatively connected with said shifter forks, cams on said cam shaft for actuating said plungers and arms on said shifter forks disposed to swing clear of each other when shifting the clutches for the forward drive gears and to abut one another when shifting the clutches from the high speed drive to the reverse drive gearing.

2,237,184

ALLOY

Eugene Lemmers, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application April 13, 1938, Serial No. 201,788
4 Claims. (Cl. 250—27.5)



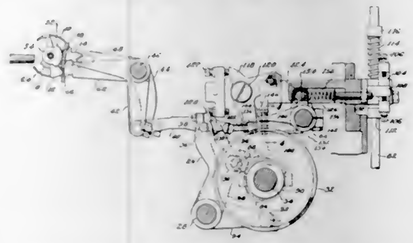
1. In an electrical device containing mercury, metallic members exposed to the said mercury and united together by a brazing alloy containing at least 12 per cent and less than 40 per cent manganese, the remainder of said alloy being nickel.

2,237,185

STARTING AND STOPPING MECHANISM

Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application March 17, 1939, Serial No. 262,389
11 Claims. (Cl. 112—220)



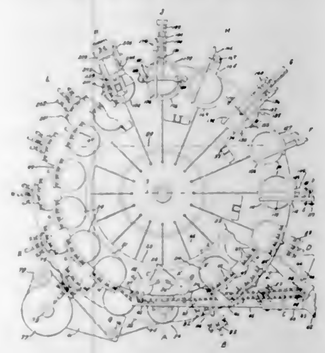
1. A machine having, in combination, devices cooperating to perform an operation, an operating shaft, means for rotating the shaft, a train of mechanism for actuating a device from the operating shaft comprising disconnectible elements, means for disconnecting said elements during the continued rotation of the shaft to disconnect the device and a portion of the train from the shaft, and frictional braking means rendered operative upon the disconnection of said elements to lock the disconnected device from movement during the continued rotation of the shaft.

2,237,186

SEALING APPARATUS

Frank J. Malloy, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application June 1, 1939, Serial No. 276,822
22 Claims. (Cl. 176—3)



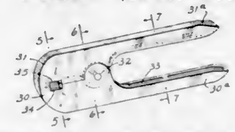
1. A sealing machine of the character described comprising a head for supporting a vitreous cup with its peripheral edge uppermost and a cover glass resting thereon with a peripheral edge in contact with said cup edge, a carrier for supporting said head and advancing it into each of a plurality of stations in turn, means located at one of said stations for pre-heating the whole of said cup and cover glass, and means located at a succeeding station for intensely heating the peripheral edges of said cup and cover glass to cause them to be fused together.

2,237,187

TROUBLE DETECTOR AND ELECTRICAL CONTACTOR THROUGH INSULATED CONDUCTORS

Carlos Mantilla, New York, N. Y.

Application March 16, 1939, Serial No. 262,167
1 Claim. (Cl. 175—183)



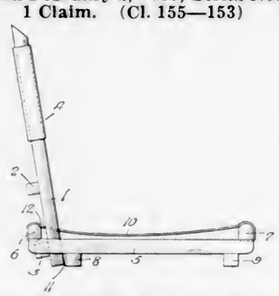
In a device of the class described, a pair of pivotally connected jaws each having a cut-away portion of U-shape on their opposing faces, said cut-away portions being aligned with each other forming an opening which, in the closed position of said jaws, extends through the jaws at right angles to the length thereof, said opening being of a size to permit an electric wire to pass therethrough when said jaws are in closed position, one of said jaws being formed with an auxiliary opening extended inwards from the base of its U-shaped cut-away portion, and a plurality of pins having their dull ends embedded in the material of the other jaw at the base of its respective cut-away portion, said pins having their pointed ends extended across said first-mentioned opening and freely extended into said auxiliary opening when said jaws are in closed position.

2,237,188

FOLDING BACK WITH SEAT

Joseph Creig McClelland, Oklahoma City, Okla.

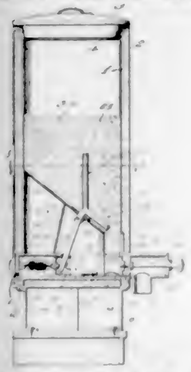
Application February 2, 1939, Serial No. 254,185
1 Claim. (Cl. 155—153)



A folding back with seat construction comprised of a pair of seat side standards, a top rear seat cross member on the top at the rear ends of said seat side standards, a pair of back side standards being interposed between said seat side standards in front of said top rear seat cross member so as to rest against said top rear seat cross member when in use, a lower rear seat cross member on the bottom toward the rear of said seat side standards and against the rear of which the lower front ends of said back side standards abut when in use, a top front seat cross member on the top at the front ends of said seat side standards, a seat strip of suitable fabric with one end attached to said top front seat cross member and the other end run between said back side standards and attached to said top rear seat cross member, a lower back cross member placed sufficiently low on the rear of said back side standards as to just fit under said top rear seat cross member when the back is in use, an upper back cross member placed sufficiently low on the rear of said back side standards that the occupant's back does not touch it when the back is in use and still suffi-

ciently far from the said lower back cross member to permit said top rear seat cross member to lie between said back cross members with the necessary space for play of said top rear seat cross member when opening and closing the back, a back strip of suitable fabric bridging said back side standards, placed so as to fold across said seat fabric and permit the upper ends of said back side standards to slip under said top front seat cross member when folding.

2,237,189
ICE DISPENSER
Ralph D. McCormack and Kelvin T. Orrison, Washington, D. C.
Application May 6, 1938, Serial No. 206,476
3 Claims. (Cl. 221—104)



1. An ice dispenser comprising a receptacle for holding a mass of pieces of ice, a vertical discharge outlet in the receptacle for the ice, a shifting valve having a dispensing well therein below the discharge outlet for receiving ice from the said discharge outlet, a dispensing outlet for delivering the ice from the said well, the dispensing well registering with the said discharge outlet in loading position and with the said dispensing outlet in dispensing position, a reciprocating agitator mounted on the receptacle and having a portion extending into the mass of ice above the discharge outlet and means for moving the portion upwards to loosen the ice mass, and downwards to positively feed the ice through the discharge outlet into the dispensing well.

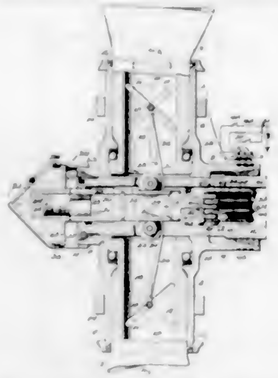
2,237,190
INNER SOLE
Angus McLeod, Hanapepe, Territory of Hawaii
Application June 6, 1939, Serial No. 277,721
5 Claims. (Cl. 36—29)



1. A sole for shoes comprising longitudinally flexible, transversely rigid, upper and lower metallic supporting members, an inflatable member interposed between the said supporting members and superposed essentially resilient layers on the outer surfaces of the supporting members to hold the foot of a wearer from directly contacting the said metallic members.

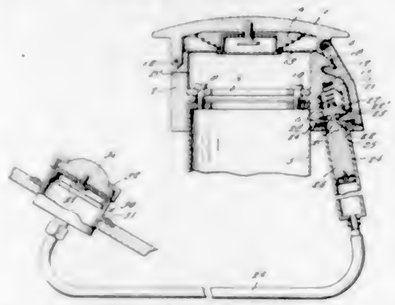
2,237,191
PROPELLER
James M. Mills, Helena, Mont., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 19, 1931, Serial No. 538,553
12 Claims. (Cl. 170—163)

1. A variable pitch propeller comprising a plurality of blades, means for rotating said blades, means responsive to centrifugal force for varying the pitch of said blades, means operable in accordance with the expansion of a fluid for con-



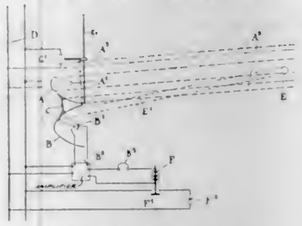
trolling the operation of said centrifugally-responsive means, and means for controlling the expansion of said fluid, said last-named means including a heating element, and means for supplying electrical energy to said element.

2,237,192
FLUID CONTAINER CAP LOCK
Irving H. Minkow and Larry W. Kaniewski, South Bend, Ind.
Application November 17, 1938, Serial No. 241,038
1 Claim. (Cl. 292—207)



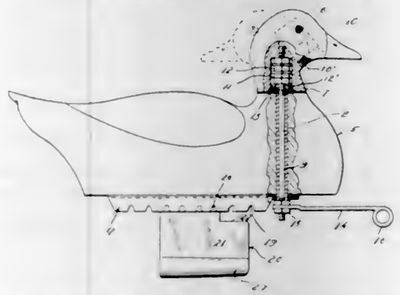
Locking means for a closure cap member hinged to a sleeve on the neck of a tank, said means comprising a hollow boss on said sleeve forming a socket therein, a cylinder fixed at one end in said socket to extend therefrom, said socket and cylinder having a pair of registering openings therein, a latch bar having a lateral keeper lug thereon and adapted to be hinged to said cap member for swinging movement in the closed position of said member in opposite directions to project said lug through said openings in said cylinder and to retract the same, respectively, and a plunger in said cylinder operative in opposite directions and interlocking with said lug under movement thereof in one direction to prevent retraction of the lug and thereby latch said bar, said plunger under movement thereof in the opposite direction breaking the interlock and subsequently camming said lug out of said cylinder to unlatch said bar.

2,237,193
DETECTION OF OBJECTS BY ELECTRO-MAGNETIC RAYS
Eric George Herbert Mobsby, London, England, assignor to Ralph Chivas Gully Slazenger, London, England
Application March 31, 1938, Serial No. 199,318
In Great Britain April 9, 1937
7 Claims. (Cl. 250—1)



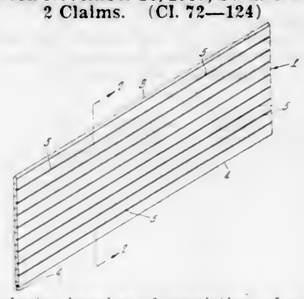
1. A system for detecting the presence and the position of objects, especially invisible or obscure objects, comprising in combination, means for projecting a beam of electromagnetic rays falling within the infra-red, visible and ultra-violet wave band, means for periodically interrupting such beam, a receiver for rays reflected from an object in the path of the beam, an element in the receiver electrically responsive to electromagnetic rays falling thereon, means for periodically interrupting the reflected rays falling on such element, means for detecting electrical fluctuations produced by the reflected rays falling on said element, and means for varying the periodicity of the interrupting means for both the projected beam and the reflected rays in synchronism.

2,237,194
DECOY
Bernard E. Ohnmacht, La Fayette, Ind.
Application October 22, 1940, Serial No. 362,266
3 Claims. (Cl. 43—3)



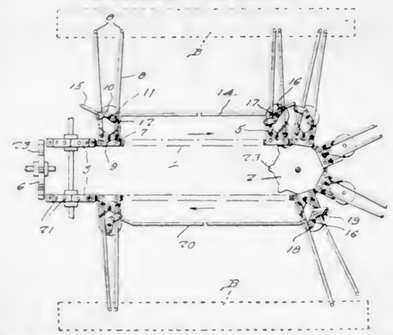
1. In a decoy, a body, a head, a sleeve extending through the body, a rod journaled in said sleeve and detachably and adjustably connected to the head for the adjustment of the head toward and from the body and to permit movement of the body with respect to the head, an anchor arm secured to said rod and including an eye for connecting an anchor line thereto, an attaching plate secured to the under face of the body and of substantially triangular shape in cross section providing converging walls and one of said walls having notches, a combined rudder and stabilizer including a plate having a portion thereof bent on itself to form a triangular shaped portion having projections and slidably received by the attaching plate with the projections fitting in the notches, and weight elements secured on said plate and tapering toward one edge of the plate.

2,237,195
PLASTER BASEBOARD
Henry W. Piquet, Moorestown, N. J., assignor to MacAndrews & Forbes Company, Camden, N. J., a corporation of New Jersey
Application November 16, 1939, Serial No. 304,850
2 Claims. (Cl. 72—124)



1. A plaster baseboard consisting of a relatively rigid body of fibrous material having oppositely facing plane surfaces each provided with a plurality of spaced parallel slits therein of a depth at least one-half the thickness of said board body, the slits in each plane surface being alternately staggered with respect to the slits in the opposite plane surface and providing gaps in the board body sufficient to absorb expansion in said body and prevent distortion of the board beyond the normal plane and boundaries thereof, said slits having a width sufficiently narrow that plaster applied to said surfaces of the board will not fill the slits and thereby prevent the absorption of expansion and distortion by the gaps provided by said slits.

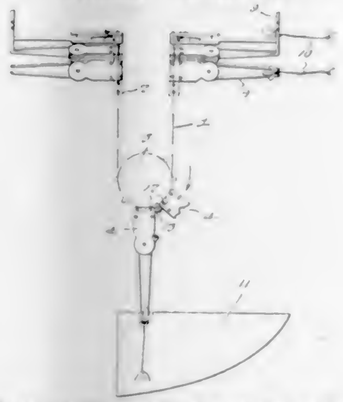
2,237,196
GRIPPER OPERATING MECHANISM FOR TRANSPLANTING MACHINES
Israel Pomieraniec, London, England, assignor to Transplanters Holding Company Limited, London, England
Application July 24, 1939, Serial No. 286,274
In Great Britain October 25, 1938
4 Claims. (Cl. 111—3)



1. A planting machine having a plurality of gripping devices moveable in succession for receiving plants to be planted and carrying them to planting position through a plurality of plant feeding stations or zones arranged in succession along the path of travel of the said gripping de-

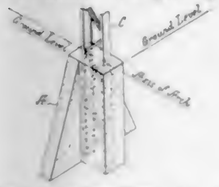
vices, and means for opening certain of said gripping devices while the same travel through one of the zones while the remaining of the gripping devices remain closed.

2,237,197
PLANT GRIPPER CHAIN FOR TRANSPLANTING MACHINES
Israel Pomieraniec, London, England, assignor to Transplanters Holding Company Limited, London, England
Application July 24, 1939, Serial No. 286,275
In Great Britain October 25, 1938
2 Claims. (Cl. 198—179)



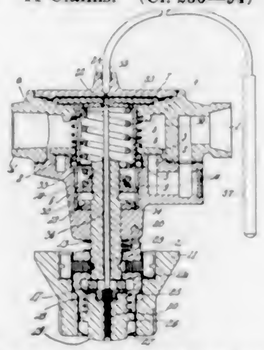
1. In a planting machine, a carrier in the form of an endless conveyor for a plurality of plant gripping members, said conveyor including a plurality of flat plates between which the gripping members are pivotally mounted, pins connecting each pair of the plates in flatwise spaced relation, connectors pivoted on the pins and forming spacing means for the plates, said connectors projecting laterally from the plates and a pin pivotally connecting the connectors of adjacent pairs of plates, said pins being positioned at right angles to each other whereby each pair of plates is capable of pivotal movement in two directions.

2,237,198
BUILDING CONSTRUCTION
Harold Earl Raymond, New Orleans, La.
Application January 8, 1936, Serial No. 58,146
1 Claim. (Cl. 108—1)



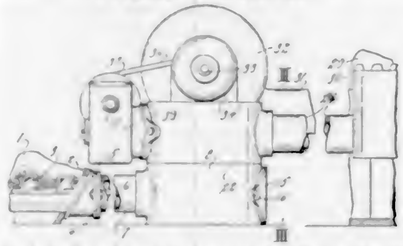
In building construction, an arch support, comprising a footing of concrete or the like substantially T shape in horizontal cross section adapted to be embedded in the ground with its head portion transverse to the axis of the arch and with its shank portion extending inwardly along the axis of the arch, said head portion providing flat wings with opposite flat surfaces for resisting outward and inward thrust transmitted through the arch, and a vertical column adapted for positioning beneath the side of the arch at substantially the point of springing of the arch and having its lower end embedded in the footing throughout substantially the depth of the footing and with the column disposed coaxially of the arch and shank portion of the footing and partly in the head portion thereof.

2,237,199
THERMOSTAT FOR OVEN CONTROL
John Edward Sherlock, Sunbury-on-Thames, England
Application December 15, 1939, Serial No. 309,479
In Great Britain December 15, 1938
11 Claims. (Cl. 236—94)



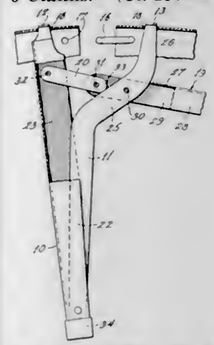
1. A thermostatic temperature control valve comprising a diaphragm responsive to changes of fluid pressure caused by temperature variations, a gas inlet valve controlled by movements of said diaphragm, a push rod operated by said diaphragm, a rotary spindle for varying the pressure at which said valve is operated, an operating knob carried by said spindle, a coloured indicating device normally held retracted within said knob by magnetic attraction and a spring for ejecting said indicating device to a visible position when the magnetic attraction is broken by movement of the push rod due to the diaphragm reaching the position of maximum temperature.

2,237,200
CONVEYING MATERIAL AS IN SOLID FUEL FEEDING
William H. Sloan, Toledo, Ohio, assignor of one-half to Mott W. McClelland, Miami Manor, Maumee, Ohio
Application February 25, 1939, Serial No. 258,491
2 Claims. (Cl. 198—88)



1. A pair of screw conveyors each having a shaft and a casing, a swivel joint between said conveyor casings, said joint having a double walled tubular housing providing an annular gear chamber between said walls in which chamber the conveyor shafts terminate, a gear on each conveyor shaft, and an intermediate gear, all of said gears being in the annular chamber providing a housed transmission between said conveyors.

2,237,201
TIRE RIM TOOL
Nathaniel B. Stone, Riverdale, Md.
Application August 10, 1939, Serial No. 289,496
6 Claims. (Cl. 157—1)



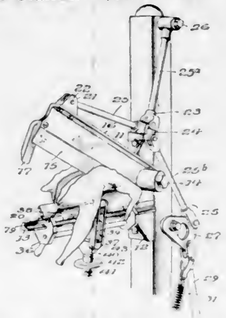
1. A rim tool comprising, in combination, a pair of arms pivotally connected together near their lower ends and having rim engaging means at their upper ends; one of said arms being substantially straight and channel shaped in cross section and constituting a handle, the other arm being substantially straight throughout the major portion of its length and having an offset portion at the upper end said major portion being housed within the channel shaped arm; an actuating handle pivotally connected near its upper end to the intermediate portion of said offset arm; and a toggle link pivotally connected to the upper end of said actuating handle and to said other handle below its upper end.

2,237,202
LIGHT TOWER
Sibert G. Strattan, Mount Vernon, Ill.
Application April 25, 1939, Serial No. 270,033
3 Claims. (Cl. 254—148)



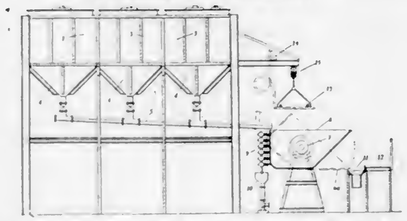
2. A collapsible tower comprising a base, a lower tubular member rising from said base, an intermediate tubular member slidable in said lower member, an upper tubular member slidable in said intermediate member, a winding drum carried by said lower member, a flexible member engaging about said drum, a sheave rotatably carried by said lower member above the upper end thereof, a sheave rotatably carried by and within said intermediate member in proximity to the lower end thereof, a sheave rotatably carried by said intermediate member above the upper end of the latter, means fixedly securing one end of said flexible member to and within said upper member, said flexible member being trained about each of said sheaves whereby rotation of said drum in one direction will move said intermediate and upper members to an extended position, and a pair of spaced apart guiding rings fixed on the outer peripheries of the said intermediate and upper members, each of said guiding rings having at least one groove through which said flexible member is adapted to slidably engage.

2,237,203
POULTRY AND FOWL SHEAR
Levi George Swanson, Perry, Iowa
Application December 29, 1937, Serial No. 183,284
9 Claims. (Cl. 17—11)



1. A poultry and fowl shear including blades, one of which is fixed and the other movable, a fowl supporting trough carried by the fixed blade, and means for operating said movable blade to urge the cutting edge of the latter into the zone of the trough for incising a fowl mounted in the latter.

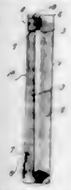
2,237,204
ANCILLARY EQUIPMENT OF COKING PLANTS
Charles Ethelbert Wallin and Herbert Milton Whitworth, Guildford, England, assignors to Woodall-Duckham (1920) Limited, Guildford, Surrey, England, a British company
Application February 21, 1940, Serial No. 320,202
In Great Britain March 9, 1939
3 Claims. (Cl. 210—51)



1. The separation of tar from the tarry sludge collecting in the flushing tank of a coal carbonising plant and the disposal of the sludge, by the following sequence of steps:—draining

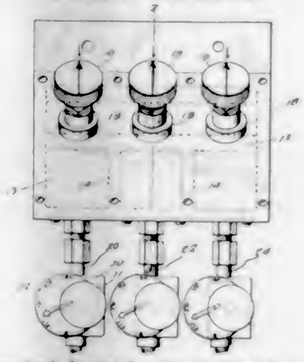
the tarry sludge from the flushing tank into a separating tank rotatable about a horizontal axis; subjecting the contents of the separating tank to heat to cause a separation of the tar; draining off the separated tar; tilting the separating tank on its axis to facilitate the removal of the residual sludge therefrom; and emptying the separating tank of residual sludge over the side thereof.

2,237,205
ENVELOPE BOOKLET
Frank Lloyd Wassell, Westport, Conn.
Application January 22, 1940, Serial No. 315,008
4 Claims. (Cl. 281—25)



1. An envelope booklet of the nature described comprised of a cover member having front and back portions and provided with a fold intermediate said front and back portions, a plurality of superposed envelopes having flaps of approximately the same length as said back portion, the free ends of said flaps being inserted in said fold and, means securing said ends in said fold, said envelopes having body portions approximately the same size as said flaps and being adapted to be folded over onto said flaps, said back portion having a slit therein, said front portion being adapted to overlie said folded envelopes and having a flap provided with a tab for reception in said slit.

2,237,206
HYDRAULIC BRAKE IMPULSE REGULATOR FOR TRAILERS
James R. Watson, San Bernardino, Calif.
Application December 6, 1939, Serial No. 307,918
4 Claims. (Cl. 188—3)



1. A control device for the hydraulic brake system of a vehicle train wherein each vehicle of the train is provided with individual brakes, said control device comprising a housing having a main chamber therein, a conduit leading from a source of fluid braking force to the chamber, a plurality of control chambers in the housing each having communication with the main chamber, a manual control valve between each control chamber and the main chamber, conduits leading from each control chamber to the brakes of the respective vehicles and a check valve between each control chamber and the main chamber adapted to accelerate return of fluid from the control chambers to the main chamber.

2,237,207
TIRE
Charles H. Zimmerman and William W. McMahan, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application December 18, 1940, Serial No. 370,643
1 Claim. (Cl. 152—330)



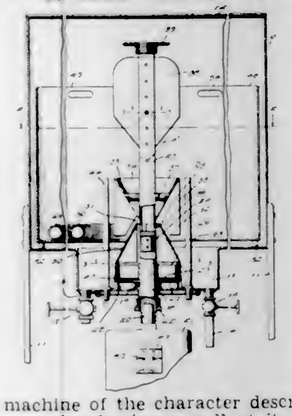
In combination with a vehicle wheel rim and mounted thereon a beaded tire closed between the beads solely by the rim, the beads of the tire forming a water-tight union with the edges of said rim, and the cavity thus formed by the rim and the interior of the tire being completely filled with water under pressure contacting the inner surface of the tire and the rim.

2,237,208
BOWLING ALLEY SCOREBOARD
Nicholas J. Abate, Baltimore, Md., assignor of forty per cent to Albert Stark, Baltimore, Md.
Application November 24, 1939, Serial No. 305,996
3 Claims. (Cl. 177—384)



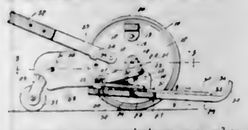
1. In a bowling alley and in combination thereof, separate switches located in the respective pin spots at the inner end of the bowling alley and controlled by the pins thereof, a scoreboard having electrically operated indicating means for each pin, said indicating means having two indicating portions, one having a count number value significance and the other having pin identification significance, means controlled by said switches for rendering the respective second indicating means effective when the respective switch is operated and switch means for additionally rendering the count number indicating portion effective when the first indicating means is rendered effective.

2,237,209
WASHING MACHINE
Paul F. Arnold, Berryville, Ark.
Application February 13, 1939, Serial No. 256,184
10 Claims. (Cl. 141—9)



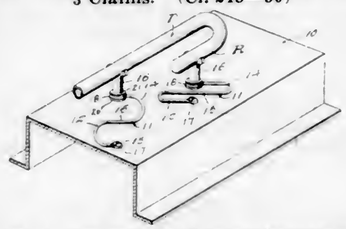
1. A machine of the character described comprising a casing having a well at its bottom, a hollow shaft rotatable in said casing and having outlet openings, a fluid supply nozzle stationarily held operatively associated with the well and delivering fluid into the casing and said shaft, a bladed fluid wheel fixed to the shaft and interiorly of said nozzle, a fluid supply pipe opening for communication with the well and nozzle, a drain pipe leading from said well, fins fixed interiorly of said nozzle, a spreader carried by said shaft above said nozzle, and wings projecting radially from the spreaker and overhanging said nozzle.

2,237,210
LAWN MOWER
Giuseppe D'Agostino, Utica, N. Y.
Application April 4, 1940, Serial No. 327,853
6 Claims. (Cl. 56—246)



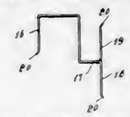
1. A lawn mower comprising an elongated base member having upright disk portions at the ends thereof, ground wheels rotatably mounted on said disk portions, a stationary knife detachably secured to the forward edge of said base member and extending forwardly therefrom, said knife being provided with a series of forwardly extending guard teeth, a movable knife disposed on said base member and stationary knife and pivotally connected at one end to an end of said base member and extending substantially to the opposite end thereof, and means connecting the opposite end of said movable knife to one of said ground wheels for oscillating said last mentioned end when said ground wheel is revolved, said movable knife being provided at its forward, leading edge with forwardly extending teeth having sharpened side edges for coacting with the teeth of said stationary knife.

2,237,211
SUPPORTING DEVICE FOR NEON TUBES
Fred A. Becker, New York, N. Y.
Application January 17, 1939, Serial No. 251,437
3 Claims. (Cl. 248—50)



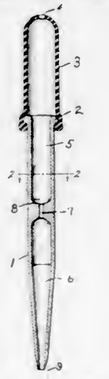
1. As a new article of manufacture an illuminable gaseous tube support comprising an elongated supporting member formed of substantially non-resilient, readily bendable material capable of being bent without the application of tools and of retaining its bent form, means at one end of said member for receiving a tube supporting post, and means at the other end of said member for receiving securing means to secure the member on a tube support.

2,237,212
BUILDING CONSTRUCTION
Ward T. Birdsong, Thomaston, Ga., assignor to Joseph C. Goodman, Columbus, Ohio
Application August 10, 1939, Serial No. 289,476
1 Claim. (Cl. 72—118)



A one piece clip of the class described having a U-shaped attaching portion, a bridge flange extending outwardly from one free terminal of said portion, and flanges disalined with each other extending in opposite directions from the bridge flange and in substantial parallelism to the U-shaped portion.

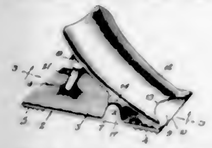
2,237,213
PIPETTE
Ralph F. Brown, Millville, N. J.
Application May 31, 1939, Serial No. 276,710
6 Claims. (Cl. 221—102)



1. A pipette for delivering a measured volume

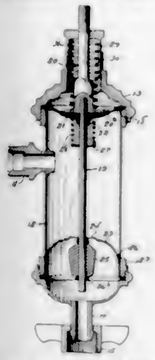
of liquid comprising a measuring chamber having a discharge opening, a capillary constriction above the measuring chamber, the diameter of the constriction being predetermined to provide such capillary adhesion of a contained liquid as will support a predetermined height of the liquid in the measuring chamber against the action of gravity.

2,237,214
COLLAPSIBLE WHEEL CHUCK
Joseph A. Burkart, Albany, N. Y.
Application June 1, 1940, Serial No. 338,339
2 Claims. (Cl. 188—32)



1. A wheel chuck including a base plate having on one surface near one end a pair of spaced apertured ears and near the other end an abutment, a wheel-receiving arc-shaped member provided near one end with a pair of apertured ears formed with round ends positioned to contact said base plate adjacent the ears on the base plate, journal pins extending through the respective ears for pivotally connecting the arc-shaped member to said base plate so that pressure on the arc-shaped member will be transmitted through the rounded ends of the ears on the arc-shaped member to the base plate and a brace pivotally mounted on the rear surface of the arc-shaped member and positioned to engage the base plate at the juncture of said abutment therewith for holding said arc-shaped member at an angle to the base plate.

2,237,215
FLOW REGULATING AND CONTROL DEVICE
Lewis C. Coney, Philadelphia, Pa.
Application November 28, 1938, Serial No. 242,830
1 Claim. (Cl. 50—23)



A device of the character described, comprising a vertically disposed cylindrical casing having an inlet at its lower end and an outlet below its upper end, a diaphragm resting upon the upper open end of the casing, a dome shaped cap screwed upon the casing and clamping the diaphragm on the upper edge of the casing, a guide rod secured to the diaphragm and extending into the dome shaped cap, a spring surrounding the guide rod and engaging the diaphragm and normally forcing the same downwardly, means for varying the tension of said spring, a transverse bar below the diaphragm above the outlet, a valve stem extending through the diaphragm and secured in the guide rod, a coil spring surrounding the stem and engaging the lower face of the diaphragm and the upper face of the transverse bar and of a less strength than the first mentioned spring, an arcuate shaped partition adjacent the lower end of the casing and having an enlarged opening therein through which the valve stem passes, a valve below said partition on the valve stem and adapted to co-operate with the opening in the partition, and means for adjusting the valve on the valve stem.

2,237,216
LADDER PLATFORM
Emile Dubreuil, North Adams, Mass.
Application March 30, 1940, Serial No. 327,023
2 Claims. (Cl. 304—10)

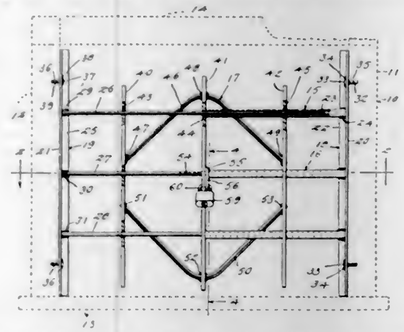


2. A ladder having legs and connecting rungs, a front brace for engaging the legs of the ladder and being beveled and wider at the top than the bottom, a back brace for engaging the legs of the ladder and being complementary beveled and wider at the bottom than the top, a platform supported by said braces, means for securing the platform to the front brace, means for detachably securing the platform to the rear brace and comprising a vertical clamping bolt passing through a slot in the platform and through the rear brace and horizontal clamping bolts passing through the front and rear braces and below the rungs of the ladder.

2,237,217
WINDOW GUARD
Horace Raymond Ellis, Meadville, Pa.
Application November 1, 1940, Serial No. 363,943
2 Claims. (Cl. 20—71)

1. A window guard comprising an extensible frame comprising a pair of vertical end members, a plurality of horizontally disposed tubular members fixed at one end thereof to one of said end members, a plurality of horizontally disposed bars fixed at one end thereof to the other of said end members and telescoping into said tubular members, one of said bars being threaded, a nut threaded on said one bar and abutting the other end of that tubular member telescoping such one bar for holding said frame in extended position, a second frame including a pair of vertical end and a vertical intermediate bar, one of said end bars and said intermediate bar being slidable on said horizontal bars and said other end bar being slidable on said tubular members, means fixedly securing said vertical bars together in

spaced parallel relation, and locking means engageable with said intermediate bar and said nut



for locking said nut against turning and holding said second frame from sliding relative to the other frame.

2,237,218
APPLICATION OF CELLULOSE DERIVATIVES
Vincent Jerome Flynn, Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J., a corporation of New Jersey
No Drawing. Application September 29, 1938, Serial No. 232,406
8 Claims. (Cl. 128—349)

1. A tubular surgical device comprising a water-insoluble etherized cellulose of commercially maximum degree of etherification.

2,237,219
APPLICATION OF CELLULOSE DERIVATIVES
Vincent Jerome Flynn, Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J., a corporation of New Jersey
No Drawing. Application September 29, 1938, Serial No. 232,407
8 Claims. (Cl. 128—349)

1. A tubular surgical device comprising a plasticized etherized cellulose, of commercially maximum degree of etherification.

2,237,220
APPLICATION OF CELLULOSE DERIVATIVES
Vincent Jerome Flynn, Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J., a corporation of New Jersey
No Drawing. Application September 29, 1938, Serial No. 232,408
7 Claims. (Cl. 128—349)

1. A tubular surgical device comprising a physical mixture of a neutral, water-insoluble dissimilar etherized cellulose of maximum degree of etherification.

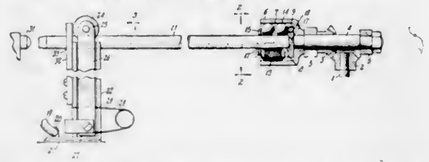
2,237,221
APPLICATION OF CELLULOSE DERIVATIVES
Vincent Jerome Flynn, Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J., a corporation of New Jersey
No Drawing. Application September 29, 1938, Serial No. 232,409
7 Claims. (Cl. 128—349)

1. A tubular surgical device comprising a water-insoluble etherized cellulose containing dissimilar rests and of maximum degree of etherification.

2,237,222
APPLICATION OF CELLULOSE DERIVATIVES
Vincent Jerome Flynn, Brooklyn, N. Y., assignor to Wardlyn Corporation, Union City, N. J., a corporation of New Jersey
No Drawing. Application September 29, 1938, Serial No. 232,410
7 Claims. (Cl. 128—349)

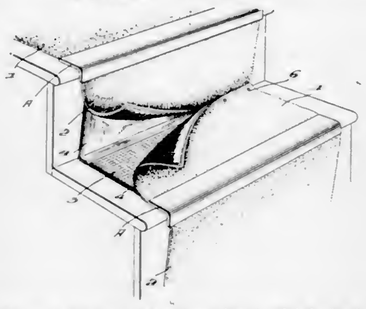
1. A tubular surgical device comprising a neutral water-insoluble esterified cellulose containing dissimilar aliphatic acid radicals, of commercially maximum degree of esterification.

2,237,223
CLUTCH MECHANISM
Theodore O. Hall, Sunnyside, N. Y., assignor, by mesne assignments, to J. E. McAuley Mfg. Co., Chicago, Ill., a corporation of Delaware
Application July 15, 1938, Serial No. 219,334
7 Claims. (Cl. 176—119)



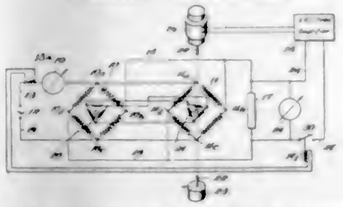
1. In a carbon rotating mechanism, a rotatable shaft, a clutch housing carried by said shaft, said clutch housing having an eccentric inner surface, means to hold a carbon concentric with said housing, and rotatable members interposed between said eccentric inner surface and the carbon and a brake serving as a means to cause the rotatable members to grip the eccentric inner surface of the housing and the carbon.

2,237,224
STAIR CARPET
Emil M. Herschmann, New York, N. Y., assignor to Safegard Rubber Products Corp., a corporation of New York
Application November 2, 1938, Serial No. 238,489
4 Claims. (Cl. 20—79)



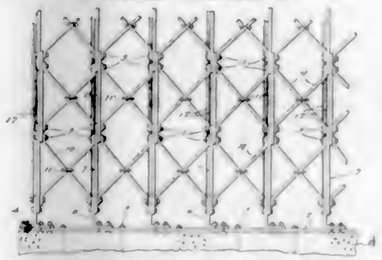
1. A unit of the class described which includes a nosing bent longitudinally at approximately 90°, step and riser carpets abutting the edges of the nosing, with their exposed surfaces flush with the latter, a canvas lining extending continuously from the inner edge of the step carpet to the lower edge of the riser carpet, and secured to the bottom surface of the nosing, and to the under surfaces of both the step and riser carpets, and padding beneath the step carpet, all of the above elements secured together in a single unit.

2,237,225
SYNCHRONOUS TRANSMISSION SYSTEM
Hans Heuschmann, Berlin-Spandau, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 10, 1939, Serial No. 272,932
In Germany December 10, 1935
7 Claims. (Cl. 172—239)



3. In a synchronous transmission system having a transmitter and a receiver, an error voltage circuit connecting the transmitter and the receiver, a source of current, an exciter circuit connecting said transmitter and receiver with said current source whereby current flows in said exciter circuit, a servo-motor connected in said error voltage circuit for angularly moving said receiver, and means responsive to a predetermined value of current in said exciter circuit for disconnecting the servo-motor from said error-voltage circuit.

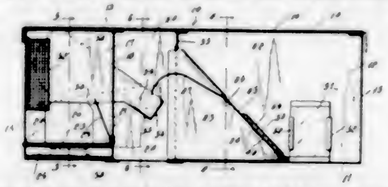
2,237,226
ROOF CONSTRUCTION
Thomas I. High, Miami, Fla.
Application January 2, 1940, Serial No. 312,134
2 Claims. (Cl. 108—1)



1. A structure of the class described comprising a plurality of spaced arches, each arch including a plurality of metallic segments having overlapping end portions, pairs of crossed braces extending between the arches and terminating, at their ends, in eyes engaged with the joints of the arch segments, securing elements passing through the eyes and the overlapping end portions of the segments for rigidly securing said segments and crossed braces together, and rings connecting the crossed braces at the points where they intersect.

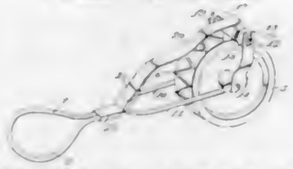
2,237,227
RODENT TRAP
Elmer Huggins, Corinth, Miss.
Application June 20, 1940, Serial No. 341,540
3 Claims. (Cl. 43—76)

1. A rodent trap comprising a casing having a compartment at one end thereof, said casing having openings in its sides forming entrances to said compartment, connected closures pivotally mounted in said casing for normally closing said entrances, a detent for holding said closures in open positions, a treadle mounted in said compartment and connected to said detent for releasing the closures when the treadle is depressed, a platform disposed in the compartment and having an end overlapping an end of the treadle and combining therewith to form the floor of the compartment, said treadle covering a substantially greater area of the compartment than the platform so that a rodent, to enter the compartment,



must step on the treadle, a passageway connecting said compartment with a compartment in the opposite end of the casing, said passageway having a gravity actuated normally closed door opening inwardly of said last mentioned compartment and adapted to be opened by a rodent passing therethrough, said door being connected to said closures for returning the closures to an open position to be engaged and held by the detent for resetting the trap, and said last mentioned compartment being provided with a window.

2,237,228
MARKER
John J. Jobe, Springfield, Ill.
Application August 1, 1938, Serial No. 222,491
1 Claim. (Cl. 101—328)

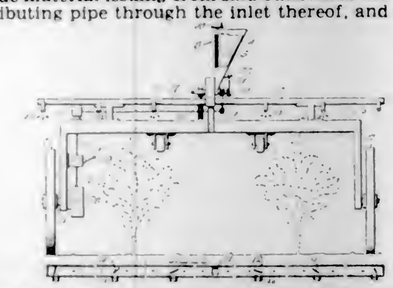


A marking device comprising a handle, a wheel rotatably connected to the handle, a socket connected to the handle, brackets connected to the handle and extending upwardly therefrom at opposite sides of the wheel, said brackets having bifurcated upper ends, a chalk holder supported by the brackets, said holder comprising end disks, a bar connecting the tops of said disks, arcuate clips extending downwardly from said bar between said disks, said disks having lugs with flat sides projecting outwardly therefrom, said lugs being slidably disposed between the furcations of the brackets with their flat sides thereagainst whereby the chalk holder is held against rotation, a section of chalk rigidly supported by said arcuate clips, and a flat spring having an end removably supported in said socket and an end in engagement with the bar of the chalk holder intermediate the disks whereby to hold the chalk in engagement with the wheel.

2,237,229
POISON POWDER DISTRIBUTOR
Carl A. Johnson, Thrall, Tex.
Application March 28, 1939, Serial No. 264,648
1 Claim. (Cl. 43—148)

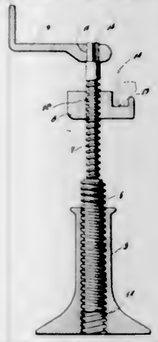
An insecticide distributor for distributing a dry insecticide comprising a distributor pipe having an insecticide inlet at a point intermediate its

ends and a series of discharge nozzles arranged at spaced intervals apart on each side of said inlet, an insecticide hopper having an outlet, a blower for producing a blast forcing the insecticide material issuing from said outlet into the distributing pipe through the inlet thereof, and sta-



tionary baffles in the pipe adjacent to the nozzles and inclined variably for regulating the blast and distribution of the insecticide to the nozzles according to their distances from the inlet in order to secure an equal distribution of the insecticide to all the nozzles.

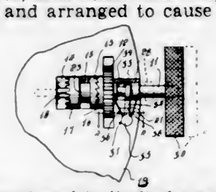
2,237,230
JACK
Emery Johnson, Emmett, Kans.
Application February 16, 1940, Serial No. 319,346
1 Claim. (Cl. 254—98)



In a jack of the character described, a base having a threaded vertical bore therein, a screw rod combination having a lower end with left-hand threads threaded in the bore of the base and an upper end with right hand threads, a work supporting bracket threaded on the upper right-hand threaded end of the screw rod and a crank-handle on the upper end of the upper screw rod section, said screw rod combination comprising the formation of a threaded socket in the upper end of the lower left-hand threaded section in which the lower end of the upper right-hand threaded section is removably threaded.

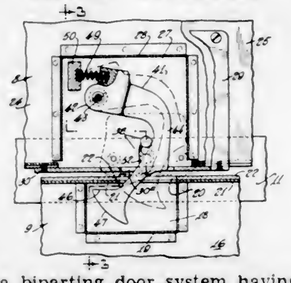
2,237,231
WATCH ATTACHMENT
Herbert Chenault Keyes, Wheeling, W. Va.
Application August 15, 1940, Serial No. 352,800
6 Claims. (Cl. 58—68)

1. An attachment for watches of the type provided with pull out stems for setting, comprising a stop lever pivotally mounted in a watch and having one end disposed for engagement with a restricted portion of the stem of the watch for limiting the outward movement of the stem, the bottom plate of the watch being provided with a recess in its movement side for receiving the stop lever, said recess and stop lever being constructed and arranged to cause the recess to



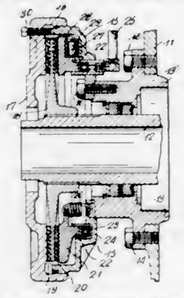
pivotally mount and to limit the swinging movement of the stop lever in both directions, said stop lever and recess having portions engaging one another so as to provide the sole means for pivotally mounting the lever.

2,237,232
DUMBWAITER BIPARTING DOOR COUPLING MEANS
Le Roy H. Kiesling, Brooklyn, N. Y.
Application November 22, 1938, Serial No. 241,811
2 Claims. (Cl. 292—126)



1. In a biparting door system having a coupling abutment on the under door, the improvement of an operating means on the upper door consisting of two movable parts, first, a coupling hook member depending from a pivot to swing in the plane of the door and adapted to engage said abutment to couple together the doors, and a manual member pivoted to rock about a horizontal axis parallel to the door plane and having a front handle liftable to uncouple and open the doors and a rear extension lowerable to swing said hook member from coupling position.

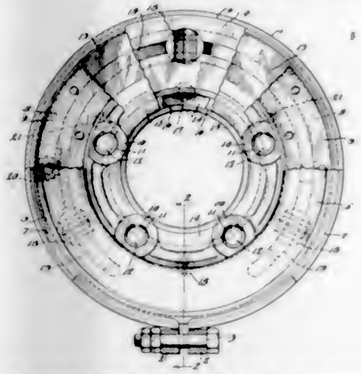
2,237,233
BRAKE UNIT
Homer T. Lambert, St. Joseph, Mich.
Application March 2, 1940, Serial No. 322,026
10 Claims. (Cl. 188—72)



1. In brake mechanism of the class described,

a support, a self-contained brake unit comprising a stationary brake disc, relatively movable brake parts cooperating with said brake disc, and means for moving said parts into frictional contact with said brake disc to produce a braking action, a shaft housing between the support and brake unit to which the latter is detachably connected, and separate means detachably connecting said shaft housing to said support to permit attachment and detachment of said brake unit with the shaft housing to and from said support.

2,237,234
BRAKE CONSTRUCTION
Homer T. Lambert, St. Joseph, Mich.
Application March 2, 1940, Serial No. 322,029
10 Claims. (Cl. 188—72)



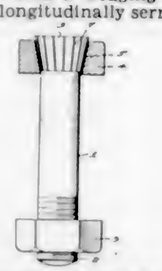
1. A brake construction of the class described including spaced stationary discs, and a housing therefor having means establishing an interlocking engagement between the housing and the discs, and means for clamping the housing about the discs to hold the latter in their interlocking relationship.

2,237,235
PROCESS FOR MAKING LEATHER SHEETS
Thornton L. Lynam, New Bedford, Mass.
No Drawing. Application November 11, 1936, Serial No. 110,388
6 Claims. (Cl. 92—21)

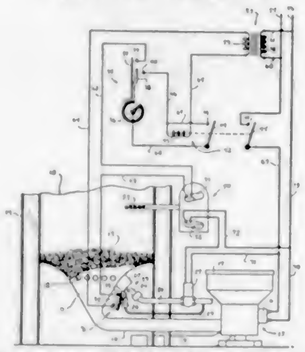
1. A method of making an unsized binder-free permanently absorbent leather-containing sheet capable of subsequent impregnation, said method comprising providing a quantity of fibres, a portion of said fibres being short, fine unhydrated leather fibres obtained by dry grinding tanned scrap leather and another portion of said fibres being long, coarse unhydrated leather fibres obtained by dry shredding tanned scrap leather, then mixing said fibres with water to obtain a uniform distribution of the fibres in the resulting slurry, then adjusting the pH of the slurry to between 4.5 and 5.5, and then running said slurry on a paper making machine to form a sheet.

2,237,236
BOLT
Henry R. Matthews, Santa Monica, Calif.
Application December 7, 1939, Serial No. 308,061
1 Claim. (Cl. 85—9)

A bolt comprising a shank part provided at one end thereof with an outwardly flaring head portion of inverted frusto-conical form, and a head member apertured to receive said head portion and in conformity with the shape of said portion, whereby said portion and head are adapted for interfitting relation with a wedging action, said head portion being longitudinally serrated to provide sharp edges for biting action into said head, and said head being of softer metal than said portion to facilitate such biting action and having a flat inner face fitting flush against an object.



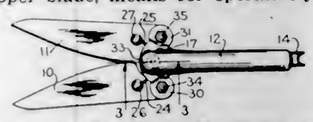
2,237,237
IGNITION AND COMBUSTION CONTROL
Elmer K. Scoggin and Frederick S. Denison, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 10, 1939, Serial No. 255,686
4 Claims. (Cl. 110—1)



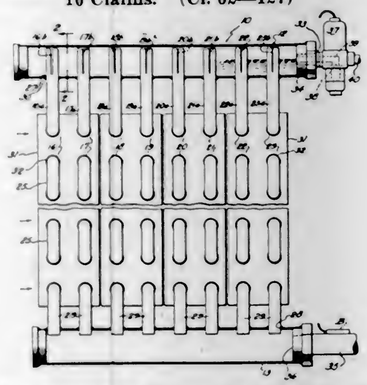
1. In apparatus of the character described, in combination, means forming a combustion chamber adapted to contain a solid fuel, means associated with said combustion chamber constructed and arranged for igniting solid fuel in said combustion chamber, control means comprising a condition responsive control instrument capable of indicating a need for combustion for controlling said second mentioned means whereby combustion can be initiated in response to said control means, and means indicative of the presence of combustion in said combustion chamber controlling said igniting means so arranged that said igniting means is inoperative in response to said control means if combustion already exists in said combustion chamber.

2,237,238
GRASS SHEARS
Justin L. Smith, Watertown, Conn., assignor to Seymour Smith & Son, Inc., Oakville, Conn., a corporation of Connecticut
Application May 3, 1939, Serial No. 271,544
6 Claims. (Cl. 30—244)

1. In a grass shear, a pair of superimposed blades pivotally connected together at their rear ends, a pair of blade-actuating handles operable in a plane substantially at right-angles to the plane of said blades, the pivot pin which connects said blades being rigidly secured to the lower blade and passing upwardly through and loosely fitted in the upper blade, means for operatively connecting the lower handle to the upper part of said pivot pin, the upper handle being channel-shaped and having a pair of flat horizontal feet loosely and slidably secured to said blades respectively, one on each side of said pivot pin, and means for rigidly connecting said feet together whereby said feet will not be spread apart during normal closing of said shears.



2,237,239
REFRIGERATION APPARATUS
Lawrence C. Smith, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application February 26, 1935, Serial No. 8,324
10 Claims. (Cl. 62—127)



7. An evaporator for cooling a stream of gas passing therethrough, said evaporator comprising an inlet header and a series of heat exchange devices adapted to be contacted by said stream of gas, each of said devices having an inlet member extending into said header, each of said inlet members having formed therein an aperture below the normal liquid level in said header, the areas of said apertures of the different inlet members varying in size and being graduated to distribute to the respective devices amounts of refrigerant determined by the heat loads on said respective devices.

2,237,240
WATER-SOLUBLE COLLOIDS OF UREA-ALDEHYDE - CARBOHYDRATE ETHER PRODUCTS
Kurt Sponsel, Wiesbaden-Biebrich, Germany, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany
No Drawing. Application September 29, 1937, Serial No. 166,325. In Germany October 1, 1936
7 Claims. (Cl. 260—15)

1. As new products water-soluble colloids obtained by condensing a substance selected from the group consisting of urea thiourea, phenylurea and acetylurea with a substance selected from the group consisting of formaldehyde and glyoxal in presence of a water-soluble ether of a highly polymeric carbohydrate in aqueous solution while stirring said products being incapable of polymerizing to a water-insoluble state.

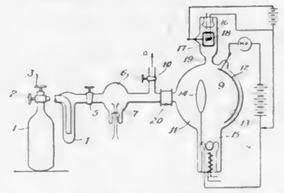
2,237,241
PREPARATION OF ETHERS
Charles J. Strosacker and Forrest C. Amstutz, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 19, 1939, Serial No. 274,590
7 Claims. (Cl. 260—612)

1. In a method wherein an ether is prepared by reacting an alkali with a compound having the formula:

$$R—CH_2—X$$

wherein R represents a member of the group consisting of hydrogen and mono-valent aromatic radicals and X represents a halogen, the step of carrying out the reaction in the presence of a catalytic amount of a compound selected from the class consisting of polyhydric alcohols and hydroxy-ethers.

2,237,242
PHOTOTUBE
Joseph Tykocinski Tykociner and Lloyd Preston Garner, Urbana, Ill., and Jakob Kunz, deceased, late of Urbana, Ill., by Anna Kunz, executrix, Urbana, Ill., assignors to Board of Trustees of the University of Illinois, Urbana, Ill.
Original application January 5, 1938, Serial No. 183,460. Divided and this application September 13, 1939, Serial No. 294,652
8 Claims. (Cl. 250—165)



1. The method of sensitizing a photosensitive surface consisting of subjecting a mixture of water vapor and a neutral gas to glow discharges at a suitable potential until the mixture is converted largely into atomic hydrogen and bombarding that surface with the resulting gases.

2,237,243
METHOD OF MAKING CORROSION RESISTANT METAL STRIP
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application January 24, 1940, Serial No. 315,430
7 Claims. (Cl. 148—11.5)

1. The method of making corrosion resistant phosphor-bronze strip from a cast metal containing 5 to 10% tin, 0.1 to 0.5% phosphorus, balance substantially copper, and having secondary mixtures of two or more of these constituents existing as segregates in the metal, which comprises

die expressing the cast metal at elevated temperature through an opening of such size as will materially reduce its cross-sectional area, cold rolling the extruded metal to elongate it to such an extent as will materially reduce its cross-sectional area, heating the cold rolled metal to about 550 to 650° C. and maintaining it at that temperature for a substantial period of time, and repeating the cold rolling and heat treating operations specified until all the copper, tin and phosphorus in the metal exist substantially as a single solid solution.

2,237,244

METHOD OF MAKING CORROSION RESISTANT METAL TUBES

Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

No Drawing. Application January 26, 1940, Serial No. 315,861
4 Claims. (Cl. 148—11.5)

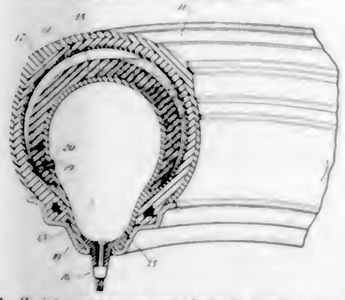
1. The method of making a corrosion resistant phosphor-bronze tube from a cast metal containing 5 to 10% tin, 0.1 to 0.5% phosphorus, balance substantially copper, and having secondary mixtures of two or more of these constituents existing as segregates in the metal, which comprises die expressing the cast metal at elevated temperature through an opening of such size and shape as will materially reduce its cross-sectional area and form a tube, subjecting the tube to an elongating cold drawing operation effective materially to reduce its wall cross-sectional area without fracturing the metal, heating the cold drawn tube to about 550 to 650° C. and maintaining it at that temperature for a substantial period of time, and repeating the elongating cold drawing and heat treating operations specified until all the copper, tin and phosphorus in the metal exist substantially as a single solid solution.

2,237,245

INNER TUBE

Robert F. Wilson and Willard L. Klingman, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 12, 1937, Serial No. 130,528
4 Claims. (Cl. 152—342)



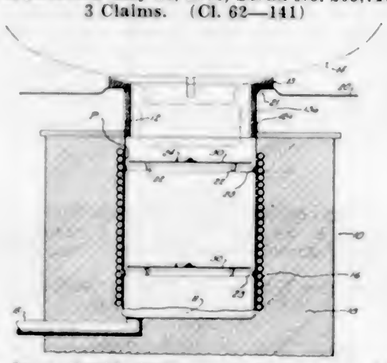
4. A fluid pressure retaining device for pneumatic tires, said device comprising two annular, concentric, inflatable compartments, of which one compartment extends radially outwardly of the other, a distensible wall separating the two chambers and normally spaced from the inside of the wall of said device, means carried by said distensible wall adapted to be forced against the inside of a pneumatic tire casing to close a rupture therein, as in the case of a blow-out, a small passage between said compartments so that both compartments may be inflated as a unit, but whereby upon sudden release of pressure in the outer chamber, as in the case of a blowout, said separating wall will distend into contact with the inside wall of said device.

2,237,246

LIQUID DISPENSING DEVICE

Joseph Askin, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Application May 24, 1938, Serial No. 209,716
3 Claims. (Cl. 62—141)



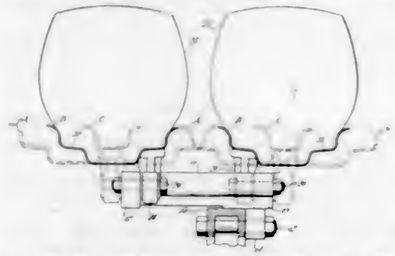
3. In a liquid dispenser including a cabinet structure having a circular opening in the top thereof, a cooled reservoir carried within the cabinet and being of cylindrical formation and having an open top, said reservoir being disposed in spaced coaxial relation with the cabinet opening, insulation means surrounding said reservoir, a resilient saddle of a good insulating material having a shouldered portion seated on the exterior of the cabinet about the opening therein and having a cylindrical sleeve portion depending through the cabinet opening and into removable sealing engagement within the open top of the underlying reservoir, said shouldered portion of the saddle being formed to receive the neck of an inverted water bottle, and said cabinet structure about the opening therein serving as a support for the saddle for bearing the weight of the bottle.

2,237,247

WHEEL CONSTRUCTION

Winfield S. Brink, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 16, 1939, Serial No. 262,169
2 Claims. (Cl. 301—13)



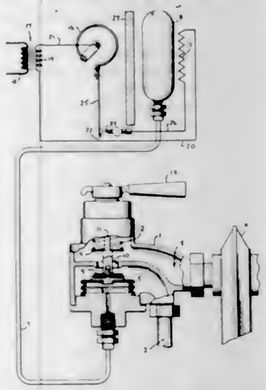
2. A wheel construction comprising a wheel having a peripheral felloe having opposed side portions, a plurality of brackets, means associated with one end of said brackets for mounting said brackets upon said felloe with the centerlines of said brackets being displaced axially of said felloe, said means being adapted to be attached to either side of said felloe and to have said brackets extend axially in either direction therefrom, and a rim-supporting arm associated with each end of each of said brackets whereby rims can be mounted upon said brackets in alternate position to said felloe by changing the position of said brackets relative to said felloe.

2,237,248

CONTROL SYSTEM

Frederick S. Denison, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application February 5, 1938, Serial No. 188,939
3 Claims. (Cl. 236—68)



3. In a control system, in combination, control apparatus comprising a valve means, condition responsive means for operating the valve means, said condition responsive means being of a modulating type operable to variably position the valve between an open position and fully closed position, the valve reaching its seat at a predetermined value of the condition, said condition responsive means including auxiliary means for positively and firmly seating the valve to prevent seepage therethrough when the condition has reached said predetermined value, said auxiliary means comprising mechanism responsive to said predetermined value of the condition for applying an additional increment of closing force to the valve, said auxiliary means being operative to remove said additional increment of closing force upon change of the condition in the opposite direction while the valve remains at its seat.

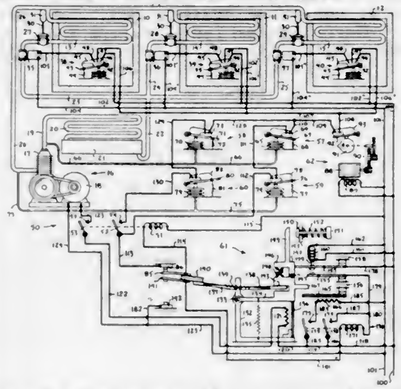
2,237,249

REFRIGERATION CONTROL SYSTEM

George H. Fisher, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 30, 1938, Serial No. 232,606
15 Claims. (Cl. 62—4)

4. In a control system for a refrigerating apparatus having a compressor and a plurality of evaporators for cooling medium in a plurality of zones, the combination of, thermostatic control means for each zone responsive to the temperature of the medium being cooled of that zone, control means responsive to the pressure on the low pressure side of the refrigerating apparatus, means associated with each zone and controlled by the thermostatic control means of that zone to admit refrigerant to the evaporator of that zone upon a call for cooling by the thermostatic control means of that zone, means controlled by the control means and the thermostatic control means for starting operation of the compressor only when any of the thermostatic control means calls for cooling and the pressure on the low pressure side of the refrigerating apparatus rises



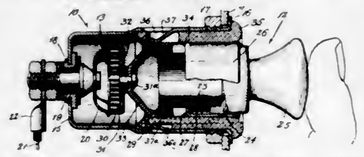
to a defrosting value and for continuing the compressor in operation until either all of the thermostatic control means are satisfied or the pressure on the low pressure side of the refrigerating apparatus decreases to a predetermined low value, and means operatively associated with said last mentioned means for stopping operation of the compressor at predetermined times whereby the pressure on the low pressure side of the refrigerating apparatus will rise to a defrosting value at least at these predetermined times.

2,237,250

CIGAR LIGHTER

Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application March 15, 1937, Serial No. 130,915
8 Claims. (Cl. 219—32)



1. In a cigar lighter, an elongate plug-like igniting unit having a tapering rear end, said end being formed with a light-reflecting surface; a heating element carried at the rear tapering end of the unit, said element comprising a metal contact cup enclosing a heating coil, said cup opening rearwardly and having its bottom fastened to said tapering end, and having apertures in its bottom so that light from the heating coil can pass forwardly past the outside of the tapering end of the unit; a holding device wherein the igniting unit is carried and energized, and from which the unit is removed for use; means for closing a circuit through the heating element when the igniting unit is in operative position in the holder, to bring said element to incandescence; and means carried by the holder to

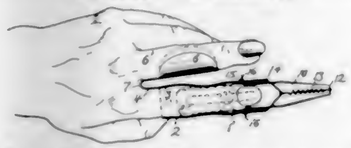
extend to a point adjacent the heating element and encircling the igniting unit when the latter is in the holder, for allowing light passing through the bottom of the cup from the heating element to pass forwardly past the igniting unit to be visible at the front of the unit to apprise a user when the lighter is ready for use.

2,237,251

SURGICAL FINGER SPLINT

Earl E. Longfellow, Warsaw, Ind., assignor to Harry Herschel Leiter, Warsaw, Ind.

Application December 19, 1938, Serial No. 246,567
8 Claims. (Cl. 128—87)



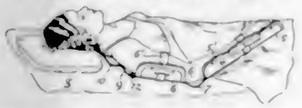
8. A surgical finger splint having a cradle for an injured finger, a saddle for an uninjured finger adjacent said injured finger, and a crutch member applicable to the crotch between said fingers, connected with and supporting said cradle and saddle in positions spaced apart from each other.

2,237,252

SURGICAL ARM REST AND SUPPORT THEREFOR

Earl E. Longfellow, Warsaw, Ind., assignor to Harry Herschel Leiter, Warsaw, Ind.

Application September 27, 1939, Serial No. 296,829
2 Claims. (Cl. 128—82)



2. A portable arm rest for use in surgery, said arm rest having a base bar and arm-supporting cradles thereon, a medial portion of said base bar between said cradles being arched downwardly to afford a prop for said arm rest and being sufficiently pliant to admit of bending thereby to affect the relative angularity of said cradles, and a supporting member pivotally connected to one end of said base bar adapted to be adjustably moved oppositely to lateral positions respecting the base bar whereby to sustain the arm rest in a selected position when said member is held upon a bed by a patient lying thereon.

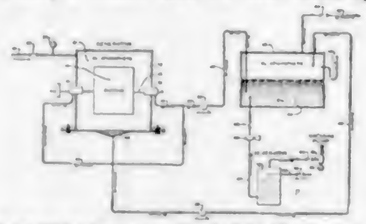
2,237,253

LUBRICATING SYSTEM

John E. Rosnell, Bound Brook, N. J., and Joseph A. Triska, Great Neck, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application March 30, 1939, Serial No. 264,900
5 Claims. (Cl. 184—6)

1. In combination with a machine having a substantially gas-tight casing and a rotor member adapted to be rotated in an atmosphere of hydrogen within said casing, a shaft for said rotor, oil-sealed bearings for said shaft, an oil reservoir, means for maintaining the oil in said reservoir in an atmosphere of hydrogen, means for supplying hydrogen saturated oil from said reservoir to said bearings, means for supplying make-up oil to said reservoir and means for deaerating said make-up oil before it is placed in the reservoir comprising a closed tank for said make-up oil



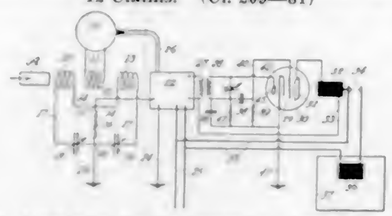
and a vacuum pump connected to the upper portion of said tank for removing air from the oil in said tank.

2,237,254

METHOD AND APPARATUS FOR DETECTING METAL PARTICLES IN NONMETALLIC MATERIAL

William C. Broekhuysen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application January 16, 1937, Serial No. 120,903
12 Claims. (Cl. 209—81)



1. Apparatus for the detection of metallic matter in nonmetallic objects, said apparatus comprising a coil having an air core, means for energizing said coil, means for conveying a series of said objects successively through said coil, and shielding means between said coil and the path of travel of said objects for preventing electrostatic interference with said coil by the passage of said objects therethrough.

7. The method of detecting the presence of particles of metal embedded in nonmetallic material many times greater in bulk than said particles which comprises setting up relative motion between said material and an impedance bridge to cause metal present in said material to develop a voltage between certain points on said bridge, shielding said bridge against electrostatic disturbances from said nonmetallic material, and applying said voltage to the production of an effect indicative of the portion of said material in which said metal is present.

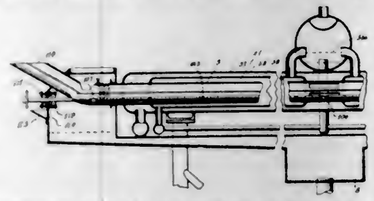
2,237,255

METHOD AND APPARATUS FOR QUICK FREEZING AND HANDLING OF COMESTIBLES

William J. Finnegan, Los Angeles, Calif.

Application May 29, 1937, Serial No. 145,620
23 Claims. (Cl. 62—101)

6. Apparatus for refrigerating containers comprising a guide tube for the reception of the containers; refrigerating tubes surrounding portions of the guide tube in spaced relation to each other and to said portions and cooperating with the guide tube to provide annular spaces closed at their ends; means for supplying a refrigerating medium to and moving the refrigerating medium through said annular spaces; a shell of greater length and diameter than the refrigerating tubes inclosing the refrigerating tubes and cooperating therewith to provide an outer annular space closed at its ends; fluid propelling means; means for feeding containers to the guide tube for revolving the containers and conveying them through the guide tube and for harvesting the containers from the guide tube; and means cooperating with the guide tube, the wall structures of the outer annular space and the fluid propelling means to form a circuit for a heat



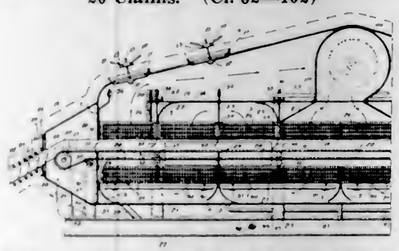
transferring vehicle; the means for supplying the refrigerating medium including a refrigerant accumulator for the refrigerating medium, refrigerant recirculating pipe connections forming communication between the lower end of the accumulator and the lower ends of the refrigerant tubes, a top liquid and gas refrigerant return pipe forming recirculating connections between top ends of refrigerant tubes and accumulator, a refrigerant liquid supply pipe connection to the accumulator, and a refrigerant gas outlet pipe connection from the accumulator.

2,237,256

METHOD AND APPARATUS FOR MULTI-STAGE FREEZING OF COMESTIBLES

William J. Finnegan, Los Angeles, Calif.

Application October 11, 1937, Serial No. 168,507
20 Claims. (Cl. 62—102)



1. In combined multistage fluid cooling and produce refrigerating apparatus, refrigerating devices comprising an inclosed casing, superposed endless product conveyor belts in the casing, a plurality of vertically alined uninterrupted heat transferring surfaces extending longitudinally of the casing and arranged in close relation above and below the product conveyor belts with a clear space between the heat transferring surfaces and said belts, fluid propelling means and means cooperating with said fluid propelling means to cause the fluid to move in two separate independent streams, each stream flowing in alternating contact with the heat transferring surfaces and the produce on said belts.

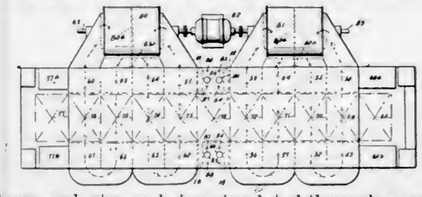
2,237,257

METHOD AND APPARATUS FOR RAPID REFRIGERATING AND HANDLING OF FOODS

William J. Finnegan, Los Angeles, Calif.

Application February 1, 1939, Serial No. 254,110
24 Claims. (Cl. 62—170)

1. A method of refrigerating material by successively removing fractional parts of the total heat required to be removed from the material; said method consisting of first subjecting the material to the convection currents of a body of air cooled by direct contact with refrigerated surfaces within an initial stage; thereafter progressively subjecting the material to heat exchange with air streams of progressively lower tempera-



ture, each stream being circulated through a continuous closed path separated from the path of each of the other streams and from said initial stage; and finally subjecting said material within a final stage to the convection currents of a body of refrigerated air cooled to a temperature lower than any of the air stream temperatures by direct contact with refrigerated surfaces.

2,237,258

ARTICLE OF MANUFACTURE AND METHOD OF MAKING

Ralph Jacobs, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 11, 1937, Serial No. 142,073
6 Claims. (Cl. 18—47.5)

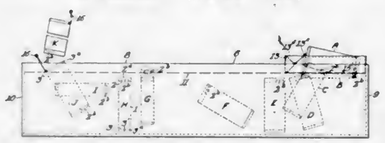
4. The method of making a shingle which comprises forming an intimate mixture including asbestos fibres, Portland cement, admixed finely divided silica, and water, shaping and strongly compressing the mixture into a sheet, steam curing the compressed mixture, and treating a face portion of the hardened sheet with an aqueous solution of an alkali metal soap.

2,237,259

PROCESS OF GALVANIZING SUBSTANTIALLY CLOSED CONTAINERS

Arthur Marland, Norristown, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

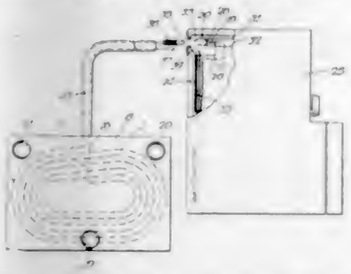
Application June 2, 1939, Serial No. 276,944
6 Claims. (Cl. 91—70.2)



5. The process of coating, with a corrosion resisting material, the interior surfaces of a substantially closed metallic container, having a single opening at one end thereof, while progressing it in a liquid body of the coating material; which includes inclining the container with its opening at its lower end and partly submerged in said liquid; turning the container downward at its other end until it is entirely submerged in said liquid, with its opening uppermost; turning it, on its longitudinal axis, until it is at right angles to its submerged position, while raising it until its opening partly emerges from the liquid; against submerging it and turning it until its opening is

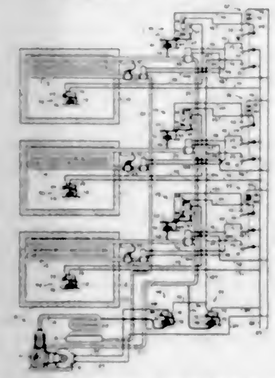
again at its lower end; and maintaining its opening downward while raising it from the liquid and draining the excess liquid from it.

2,237,260
PORTABLE RADIO RECEIVER
Eugene F. McDonald, Jr., Chicago, Ill.
Application June 27, 1940, Serial No. 342,818
5 Claims. (Cl. 250—14)



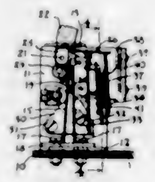
5. Radio apparatus for enhancing radio reception within a shielding structure having an opening therein, which comprises, a portable receiving set and a loop antenna carried by said set and connected thereto for supplying signal energy to said set, a second loop antenna including a relatively thin flat supporting structure of substantial area having conductors forming a loop supported by said structure substantially in a plane during use of said second antenna, a vacuum cup secured to said structure and adapted to quickly attachably and detachably secure the same to a surface in any one of a plurality of positions apart from said set and parallel to said surface and a flat flexible and foldable connecting member formed of a web with spaced conductors secured near opposite edges thereof, said connector having one end connected to said second loop antenna and means for connecting the same to said set at the other end.

2,237,261
REFRIGERATION CONTROL SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 3, 1938, Serial No. 243,808
27 Claims. (Cl. 62—4)



1. In a cooling system including a cooling apparatus having a cooling coil for cooling a space and means for circulating through the cooling coil a cooling fluid having sufficient cooling capacity to lower the temperature of the cooling coil below freezing whereby frosting of the cooling coil may occur, the combination with said apparatus of, valve means for controlling the circulation of cooling fluid through the cooling coil, and control means responsive to the temperature of the space and to a condition normally attendant to a defrosted state of the cooling coil for opening the valve means only upon both an increase in space temperature and the attainment of such condition.

2,237,262
SAFETY SWITCH
Ernest M. Miller, Excelsior, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application May 4, 1936, Serial No. 77,758. Divided and this application October 25, 1937, Serial No. 170,758
18 Claims. (Cl. 200—122)



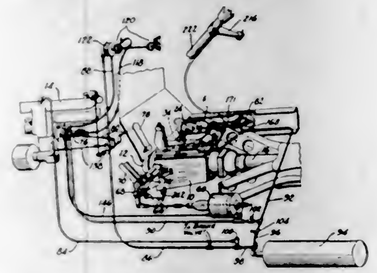
4. A switch comprising a pair of resiliently mounted contacts, a pair of pivoted levers one end of each engaging one of the contacts to move it against the resilience of its mounting, a one-way driving connection between one of said levers and the other, means for rotating said one lever and hence said other lever through the one-way driving connection, a thermostatic latch for preventing return of said other lever upon release of said first lever thus causing switch closure, said latch comprising two bimetallic thermostatic elements connected together at one end to form a generally U-shaped member, the other end of the first thermostatic element being connected to a support and the other end of the second thermostatic element engaging said second lever, and heating means disposed between the two thermostats to heat them both and cause them to bend in the same direction to cause the second element to release the second lever to cause switch opening.

2,237,263
PROCESS OF PREPARING ALDEHYDO ACYLATED RIBOSE, AND PRODUCT THEREOF
Richard Pasternack, Brooklyn, and Ellis V. Brown, Jamaica, N. Y., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1939, Serial No. 309,700
6 Claims. (Cl. 260—210)

1. Process of preparing aldehydo tetraacylated ribose from ribonamide, comprising acylation of ribonamide by heating with pyridene and a member selected from the group consisting of the anhydrides and chlorides of the lower fatty acids, converting the resulting acylated amide to the

corresponding acylated acid by the action of nitrous anhydride, treating the tetraacylated product with phosphorus pentachloride to form the corresponding acylated acid chloride, and reducing the latter with hydrogen at atmospheric pressure in the presence of a palladium catalyst to form the corresponding aldehydo acylated ribose.

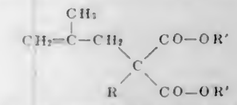
2,237,264
GEAR SHIFTING MECHANISM
Harold W. Price, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Continuation of application Serial No. 746,759, October 4, 1934. This application November 15, 1940, Serial No. 365,836
24 Claims. (Cl. 192—.01)



1. An automotive gear shifting power mechanism comprising electrical valve operating means including a manually operated switch operable to select either one of two circuits to thereby initiate a gear shifting operation of the power mechanism, together with other switch means operable, with said gear shifting operation, to both break the aforementioned selected circuit and in part make two other circuits preparatory to a further operation of the manually operated switch to complete one or the other of the last-mentioned two circuits and thereby initiate either a transmission neutralizing operation of said power mechanism or another gear selecting operation thereof.

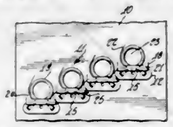
2,237,265
2-METHYL-ALLYL-SUBSTITUTED MALONIC ESTER
Horace A. Shonle, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application August 3, 1938, Serial No. 222,753
8 Claims. (Cl. 260—485)

1. An unsymmetrical di-substituted malonic ester which is represented by the following formula:



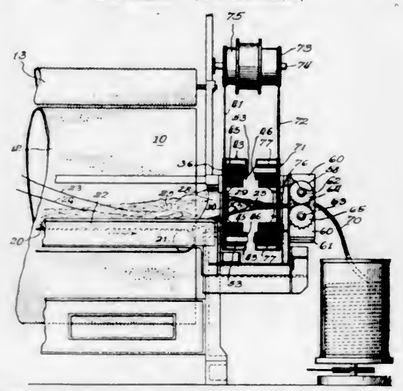
in which R represents a saturated aliphatic-hydrocarbon group which contains from 2 to 6 carbon atoms and which has a carbon atom that is directly attached to the methylene carbon of the malonic ester and that is attached to not more than two other carbon atoms, and R′ represents an alkyl radical having not to exceed 3 carbon atoms, and both of the R′ groups are the same.

2,237,266
DISPLAY CARD
William H. Weil, Richmond Hill, N. Y., assignor to Stransky Products Corporation, New York, N. Y., a corporation of New York
Application May 29, 1939, Serial No. 276,311
3 Claims. (Cl. 206—79)



1. A display card having an elongated supporting member laterally connected at its ends therewith and underneath which an article may be mounted on the card, the card having a relatively movable flap with only two merging edges and over which a part of the article may extend, one of said edges located directly opposite the adjoining inner edge of the supporting member and between the end connections, and the other edge extending away from said adjoining inner edge and starting from the point of mergence of both edges at one end of said adjoining edge, said other edge deflected slightly outwardly away from its starting point and deflected inwardly and then terminating, the length of said inner edge of the supporting member being somewhat less than the other edge thereof and corresponding to the distance between the end-connections and to the length of said one edge of the flap, and the flap connected with the card along a line inclined to the supporting member and which passes through the outer terminal of its said other edge and through the remote end of the adjoining edge of the supporting member.

2,237,267
METHOD OF MAKING INSULATING YARNS OR ROVINGS
William F. Astley, Cicero, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application February 14, 1940, Serial No. 318,795
1 Claim. (Cl. 57—160)



The method of making an insulating yarn which comprises continuously opening and carding insulating fibers and discharging said fibers in a wide stream upon a moving support in a continuous stream, moving said fibers by said support laterally with respect to the direction of said stream, forming a relatively narrow stream of opened and carded fibers, feeding a core member

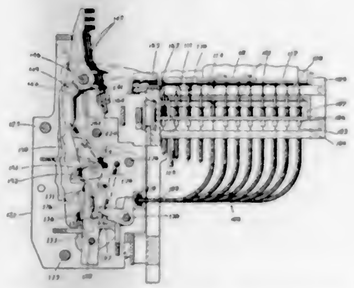
comprising a cord, into the small stream of carded and opened fibers as it moves laterally, condensing the latter stream of opened fibers into a loose assembly of opened and carded fibers of predetermined size, making a plurality of spiral wrappings of cords about said assembly for the purpose of confining the opened and carded fibers between said spiral wrappings and said core to form a chenille roving, and subjecting the roving to the action of a pair of rollers for the purpose of pressing the fibers into close contact with the core.

2,237,268

RECORD CONTROLLED TYPEWRITING MECHANISM

Richard Everest Baldwin, Thornton Heath, England, assignor to Powers Accounting Machines Limited, London, England, a company of Great Britain

Application October 26, 1939, Serial No. 302,397
In Great Britain October 26, 1938
1 Claim. (Cl. 197—20)



A record card controlled typewriting mechanism comprising in combination a platen, a pivot member, a plurality of type levers freely mounted on said pivot member in cooperative relation with said platen, means for sensing one column of a record card, means for traversing a record card column by column past said sensing means and over said platen, means for causing an operation of the sensing means between each movement of the traversing means, means operative under the control of said sensing means when sensing any hole within a predetermined range of hole positions in a column, to select for operation a corresponding type lever, means operative under the control of said sensing means when sensing a control hole in the same column, to shift the pivot for the type levers so that, when the selected type lever operates, a different character strikes the printing surface, and means for actuating the selected type lever, all said type levers being so disposed relatively to the sensing means that any type lever selected for operation under the control of the sensing means prints in the same column of the record as that of which the sensing caused selection of the operative type lever.

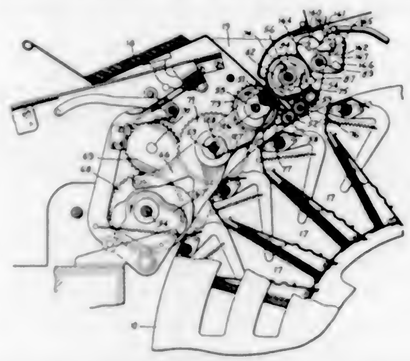
2,237,269

CHECK ENDORSING MACHINE

Samuel Brand, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 12, 1938, Serial No. 224,653
10 Claims. (Cl. 101—236)

1. In a check endorsing machine, an endorsing roller and cooperating roller, an operating shaft for said rollers and a one revolution clutch intermediate said rollers and shaft, automatic means rendered operative by said shaft for releasing said clutch for engagement, an element actuated by a check inserted between said rollers,



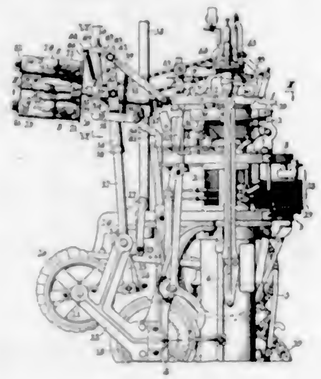
and means controlled by said element in response to its actuation by an inserted check for enabling said automatic means to be effective and rendered operative by said shaft to release said clutch for engagement.

2,237,270

KNITTING MACHINE

Robert H. Coleman and Osben D. Hunt, Hickory, N. C., assignors of one-fourth to Ernest E. Whisnant and one-fourth to Clarence L. Whisnant, both of Hickory, N. C.

Application December 7, 1939, Serial No. 307,964
13 Claims. (Cl. 66—135)



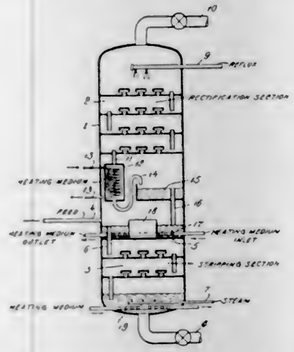
13. In a circular knitting machine for producing wrap stripes, the combination of a rotating needle cylinder and a main yarn feed, with a plurality of annularly arranged bobbins for individual striping yarns mounted to one side of said needle cylinder which are caused to rotate in synchronism therewith about an axis in substantially perpendicular relation to the needle cylinder, a correspondingly arranged series of feed eyes, one for each of said bobbins, which are also caused to rotate in said synchronism around said axis, the feed eyes when in feeding position being always outside the projected cylinder defined by the needles, and means to project selected single striping needles or groups of them from said needle cylinder at circumferentially spaced points to a position to successively receive the striping yarns, which, after having been caught by said needles, are wrapped around them for repeated knitting by the rotation of the needle cylinder alone.

2,237,271

METHOD OF DISTILLATION

George S. Dunham, Ardmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application October 1, 1938, Serial No. 232,734
1 Claim. (Cl. 202—40)



A process of fractional distillation comprising the steps of heating a feed stock to a temperature at which it is at least partially vaporized, introducing the heated feed into a fractionating tower intermediate the ends thereof and separating it therein into vapor and liquid fractions, subjecting the vapors to rectification above the point of feed by contact with reflux liquid, collecting the downflowing reflux liquid at the base of the rectification section above the point of feed, heating said collected reflux liquid to a temperature sufficient to cause substantial vaporization thereof and effecting such vaporization, all prior to any contact of reflux liquid and feed liquid, collecting the remaining reflux liquid and the liquid portion of the feed in a pool immediately below the point of feed, supplying heat to the liquid in said pool, passing a portion of the liquid from the pool to the section of the fractionating tower below the point of feed, contacting it therein with a stream of rising vapors, passing said stream of rising vapors into the bottom of the rectifying portion of the tower, collecting remaining liquid in a pool at the bottom of said tower and supplying heat to said pool to generate such rising stream of vapors, whereby the rectification and stripping sections may be operated independently and whereby reflux liquid from rectification is substantially revaporized without contact with liquid portions of the feed.

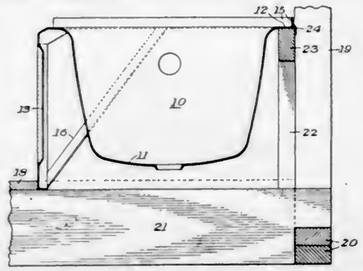
2,237,272

TUB AND SUPPORT THEREFOR

William W. Galbreath, Alliance, Ohio, assignor to The Steel Sanitary Company, Alliance, Ohio, a corporation of Ohio

Application February 1, 1940, Serial No. 316,772
4 Claims. (Cl. 4—173)

1. A tub having a rim extending outwardly therefrom along one side thereof, the under surface of said rim being substantially plane and adapted to rest on the top of a substantially horizontal supporting means secured to spaced wall studs, and securing lugs rigidly connected with and depending below the level of said rim, said lugs being spaced apart and of a small dimension



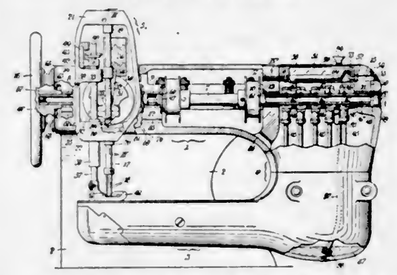
along the length of the tub relative to the spacing between studs, whereby the rim may be set on the supporting means with the lugs extending between the studs and hooking over the top of the supporting means to prevent lateral displacement of the tub.

2,237,273

SEWING MACHINE

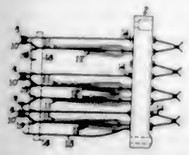
Hans Hacklander, Linden, N. J., and George Sauer, Berwyn, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application June 22, 1937, Serial No. 149,594
6 Claims. (Cl. 184—6)



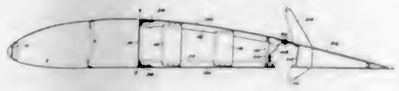
1. In a sewing machine, a frame having a tubular horizontal portion with a hollow head projecting laterally therefrom; a needle bar guided in the head; a longitudinally-extending tubular drive shaft journaled in a bearing within the tubular frame portion; a gravity oil supply reservoir in communication with the interior of the shaft from which oil is conducted by way of a lateral port to the bearing; a closed housing interiorly of the elevated frame portion with a sump for receiving the overflow oil from the bearing; a transverse shaft extending into the closed housing through another bearing; a pair of gears connecting the two shafts within the housing and dipping into the oil from the sump in the latter to lift it to the transverse shaft bearing; a sump in the head for catching the overflow oil from the last mentioned bearing; operating connections between the transverse shaft and the needle bar lubricated with oil taken from the sump within the head; a main sump for receiving the overflow oil from the sump in the head; and means for returning the oil from the main sump to the reservoir.

2,237,274
METHOD OF MAKING RELAY CONTACT STRUCTURES
William D. Halles, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 6, 1936, Serial No. 109,511
4 Claims. (Cl. 18—59)



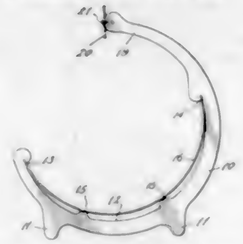
1. In a "Bakelite" or like molding process, the method of molding a plurality of devices formed from the same gauge sheet material and of different sizes and shapes into an integral block of "Bakelite," comprising, forming a mold having an inner cavity connected to the outside by a plurality of separate openings of identical size and shape, locally building up the cross section of the devices, having a cross section smaller than the mold openings, on the flat faces thereof so that each exactly fills an opening at the point where it enters the mold cavity, placing each in an opening of the mold to extend into the cavity and then molding "Bakelite" about them, under pressure.

2,237,275
AIRPLANE WING
Otto C. Koppen, Newton, Mass., assignor, by mesne assignments, to General Aircraft Corporation, Dover, Del., a corporation of Delaware
Application October 9, 1939, Serial No. 298,578
10 Claims. (Cl. 244—123)



1. An airplane wing having, in combination, a metal stressed-skin of a form providing an airfoil leading-edge section, a series of longitudinally-extending internal metal bracing members attached to said skin, structural means connected to and separating and vertically spacing the longitudinal rear edges of said skin, the foregoing elements together providing a hollow metal spar section, a rib section including upper and lower vertically-spaced individual metal rib members attached to and extending rearwardly respectively from the upper and lower rear edges of said spar, means attached to and vertically spacing said upper and lower rib members, a longitudinal member connecting the rear ends of said upper rib members, an aileron, hinge means affixed to the rib section adjacent said longitudinal member, and to said aileron, a fabric covering with hemmed edges, said covering extending rearwardly from the upper rear edge of said spar continuously around said ribs and rib-connecting member to the lower rear edge of said spar, a longitudinally recessed member affixed to the wing adjacent each of the rear edges of said spar, each providing a longitudinal slotted re-entrant recess with an outwardly disposed restricted opening receiving one of said hemmed edges, a longitudinal retaining member within each said hem and recess holding said hemmed edge therein, and mechanical fabric-tightening means intermediate the width of said covering, said means being affixed adjacent the rear edge of said rib section.

2,237,276
DISPLAY TRAY
Samuel J. Mando and Emil Wilking, Chicago, Ill., assignors to Walter H. Johnson Candy Co., Chicago, Ill., a corporation of Illinois
Application February 6, 1940, Serial No. 317,602
3 Claims. (Cl. 211—126)



1. A display tray of the class described comprising, in combination, a pair of crescent-shaped supporting members having feet and providing concave seats; locking shoulders at the ends of said seats; and a bendable sheet metal tray member in the form of the segment of a cylinder inserted in said seats; and interlocking means between said tray and supporting members to prevent relative displacement of the supporting members, said tray member serving as the sole means to hold the supporting members assembled.

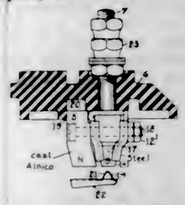
2,237,277
MEAT PRODUCT
Beverly E. Williams and Leon L. Cadwell, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 7, 1939, Serial No. 277,937
2 Claims. (Cl. 99—174)



1. The method of packaging fresh meat cuts which comprises covering the outer surface of the meat cut with a brine moistened cloth and covering the brine moistened cloth with transparent cellulosic paper whereby the brine moistened cloth is held in intimate contact with the meat surface.

2,237,278
RELAY
Joseph E. Willing, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 31, 1940, Serial No. 338,036
12 Claims. (Cl. 200—147)

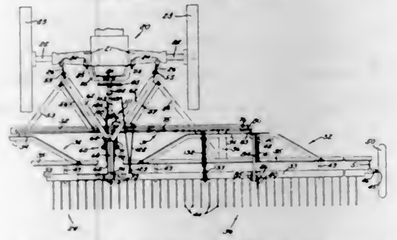
1. In a relay, in combination, a top plate, a stud passing through the plate, a head on the inner end of the stud, a plane contact holder bearing against one side of the head and extending beyond the head and turned inwardly thereof, an angled contact holder having a flat arm receiving the stud and positioned between the inner face of the top plate and the top of said head, and a side arm being against the opposite side of the head and extending beyond the head and turned inwardly thereof toward the other contact holder, a fixed contact adjacent the bottom face of the head and positioned between the inturned ends of the contact holders, a bolt passing through the contact holders and the head for clamping the fixed contact in place, a



movable contact associated with the fixed contact, and a very strong permanent magnet of material having very high retentivity, clamped by the bolt against said side arm, with the face of the magnet contacting throughout with the side arm, and the lower end of the magnet terminating substantially at the level of the end of the fixed contact, to thus form a magnetic blowout.

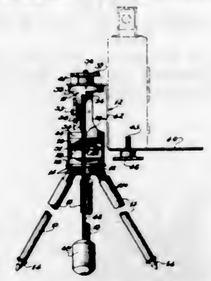
2,237,279
WITHDRAWN

2,237,280
DUMP RAKE
Wilbur J. Coultas and Nolan D. Colvin, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 18, 1938, Serial No. 208,592
32 Claims. (Cl. 56—27)



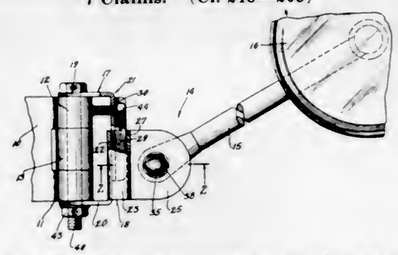
1. In combination with a tractor, a dump rake comprising a wheel supported frame, a toothed rake head connected to said frame for movement between raking and dumping positions, draft means connecting said frame to the tractor for vertical movement relative thereto, mechanism for dumping said rake head comprising a continuously rotating driving member journaled on said frame and movable bodily therewith, means for driving said continuously rotating member from the tractor engine, a normally stationary driven member journaled on said frame, means for connecting said driven member with said driving member to rotate therewith, operating connection between said driven member and said rake head for moving the latter to dumping position when the driven member is rotated, and means operable to disconnect said driven member from said driving member when said rake head has been dumped.

2,237,281
CAMERA SUPPORTING HEAD
Frederick B. Diesbach, Hamilton, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, trustees, Hamilton, Ohio
Application September 27, 1938, Serial No. 231,937
7 Claims. (Cl. 248—183)



4. A camera supporting head for use on a tripod or the like, comprising a fixed element, a camera supporting element mounted for movement in vertical and horizontal planes on the fixed element and, a camera supporting bracket adjustably fixed to the said camera supporting element and depending therefrom said bracket including a flat horizontal portion disposed below the point of adjustment of the bracket for supporting the camera with the mass center of gravity of the camera lowered with respect to the point of attachment of the bracket.

2,237,282
MOUNTING FOR REAR-VIEW MIRRORS AND THE LIKE
Daniel E. Reed, Norwalk, Conn., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York
Application September 26, 1939, Serial No. 296,582
7 Claims. (Cl. 248—205)



1. An adjustable mounting for attaching a mirror to a vehicle, comprising a substantially C-shaped clamp adapted to embrace a support on said vehicle; inner and outer sections in said clamp, slidable relative to each other to adjust said clamp to divers selected sizes; an arm for a mirror; side walls on said outer section, defining a guideway for said inner section and terminating in laterally spaced ears with free ends; means in said guideway for maintaining said inner section against movement toward said free ends; and a single means intermediate said ears for pivotally connecting said arm to said outer section independently of the inner section and for drawing the said walls of said outer section into firm gripping engagement with said inner section.

DESIGNS

APRIL 1, 1941

126,182
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
George R. Anderson, Cleveland, Ohio
Application August 27, 1940, Serial No. 94,640
Term of patent 3½ years



The ornamental design for a button or similar article.

126,183
DESIGN FOR A COASTER
Francis J. Curran, Oak Park, Ill.
Application November 22, 1940, Serial No. 96,732
Term of patent 14 years



The ornamental design for a coaster, as shown.

126,184
DESIGN FOR A SIPHON HEAD
Lee Gebhart, Coral Gables, Fla., and Howard L. Ross, New York, N. Y.
Application September 23, 1940, Serial No. 95,308
Term of patent 14 years



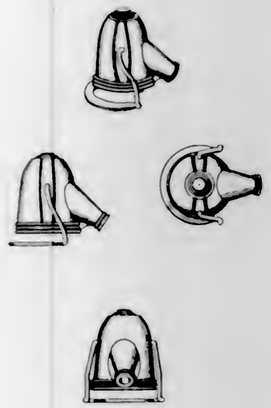
The ornamental design for a siphon head, as shown.

126,185
DESIGN FOR A SIPHON HEAD
Lee Gebhart, Coral Gables, Fla., and Howard L. Ross, New York, N. Y.
Application September 23, 1940, Serial No. 95,309
Term of patent 14 years



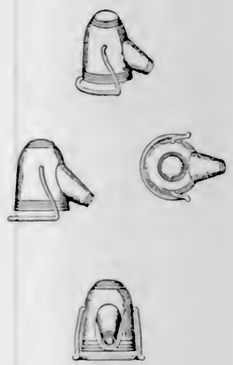
The ornamental design for a siphon head, as shown.

126,186
DESIGN FOR A SIPHON HEAD
Lee Gebhart, Coral Gables, Fla., and Howard L. Ross, New York, N. Y.
Application September 30, 1940, Serial No. 95,530
Term of patent 14 years



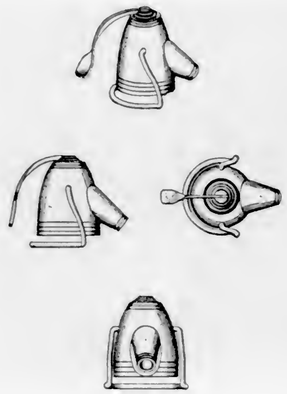
The ornamental design for a siphon head, as shown.

126,187
DESIGN FOR A SIPHON HEAD
Lee Gebhart, Coral Gables, Fla., and Howard L. Ross, New York, N. Y.
Application October 11, 1940, Serial No. 95,768
Term of patent 14 years



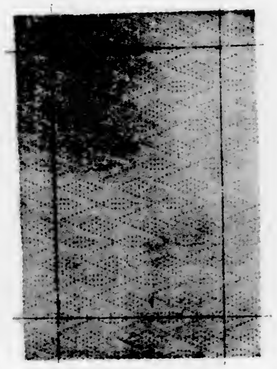
The ornamental design for a siphon head, as shown.

126,188
DESIGN FOR A SIPHON HEAD
Lee Gebhart, Coral Gables, Fla., and Howard L. Ross, New York, N. Y.
Application October 12, 1940, Serial No. 95,802
Term of patent 14 years



The ornamental design for a siphon head, as shown.

126,189
DESIGN FOR WRAPPING PAPER OR THE LIKE
Berthold Kaufmann, Great Neck, N. Y.
Application December 9, 1940, Serial No. 97,175
Term of patent 3½ years



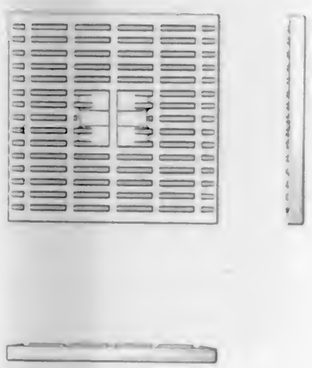
The ornamental design for wrapping paper or the like, as shown and described.

126,190
DESIGN FOR A TEXTILE FABRIC
Andrew W. Roth, New York, N. Y.
Application January 27, 1941, Serial No. 98,437
Term of patent 3½ years



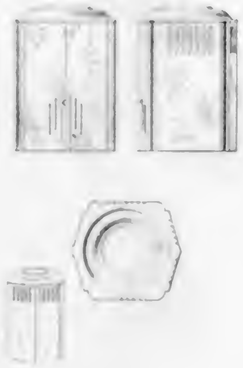
The ornamental design for a textile fabric, substantially as shown and described.

126,191
DESIGN FOR A TILE
Roy W. Schweiker, Lansdale, Pa., assignor to Franklin Tile Company, Lansdale, Pa., a corporation of Pennsylvania
Application August 17, 1940, Serial No. 94,475
Term of patent 14 years



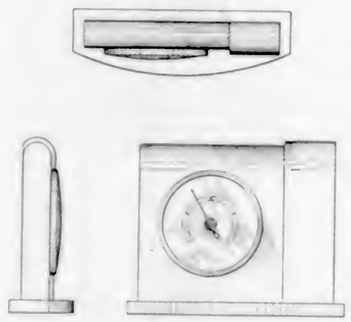
The ornamental design for a tile, as shown.

126,192
DESIGN FOR A CASING FOR A WATER COOLER
Lawrence L. Stone and Russell A. Mooney, Glendale, and Francis W. McFarlane, Maywood, and John G. McNiven, Los Angeles, Calif., assignors to Arrowhead and Puritas Waters Inc., Los Angeles, Calif., a corporation of California
Application August 31, 1940, Serial No. 94,759
Term of patent 14 years



The ornamental design for a casing for a water cooler, as shown.

126,193
DESIGN FOR AN INDICATING INSTRUMENT
H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application January 27, 1941, Serial No. 98,403
Term of patent 7 years



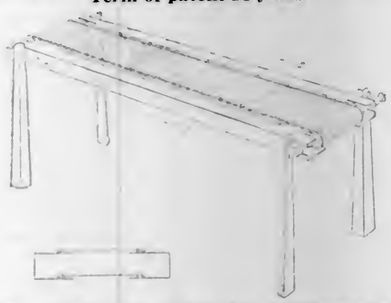
The ornamental design for an indicating instrument, as shown.

126,194
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Sara Roberts Burke, Staten Island, N. Y.
Application January 15, 1941, Serial No. 98,236
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

126,195
DESIGN FOR A CONVEYER
Morris Cohen, Kansas City, Mo., assignor to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware
Application August 26, 1940, Serial No. 94,629
Term of patent 14 years



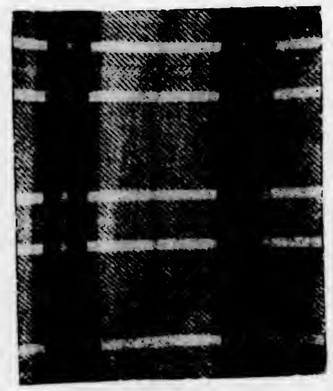
The ornamental design for a conveyer, substantially as shown.

126,196
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, and Earl W. Dulmage, Detroit, Mich., assignors, by mesne assignments, to said Daniel J. Crowley
Application December 21, 1940, Serial No. 97,520
Term of patent 14 years



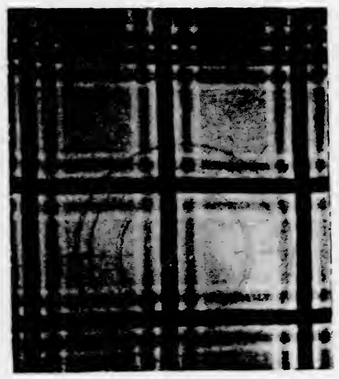
The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

126,197
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application January 24, 1941, Serial No. 98,363
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

126,198
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application February 1, 1941, Serial No. 98,636
Term of patent 7 years



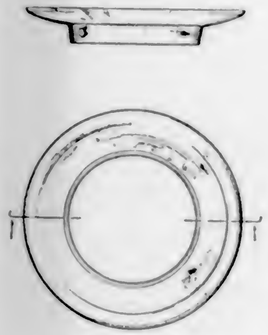
The ornamental design for a textile fabric, substantially as shown.

126,199
DESIGN FOR A KEY CHAIN OR SIMILAR ARTICLE
Ralph E. Daniels, Miami, Fla., assignor to Swank, Inc., a corporation of Delaware
Application September 27, 1940, Serial No. 95,432
Term of patent 14 years



The ornamental design for a key chain or similar article, substantially as shown and described.

126,200
DESIGN FOR A CAN TOP
Leonard Eisenberg, New York, N. Y.
Application December 26, 1939, Serial No. 89,139
Term of patent 7 years



The ornamental design for a can top, substantially as shown.

126,201
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application February 11, 1941, Serial No. 98,910
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

126,202
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application February 11, 1941, Serial No. 98,911
Term of patent 3½ years



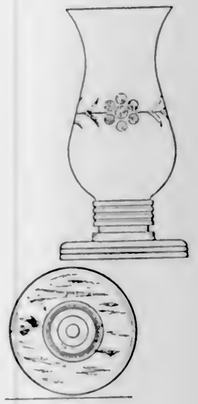
The ornamental design for a shoe or similar article, substantially as shown.

126,203
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application February 11, 1941, Serial No. 98,912
Term of patent 3½ years



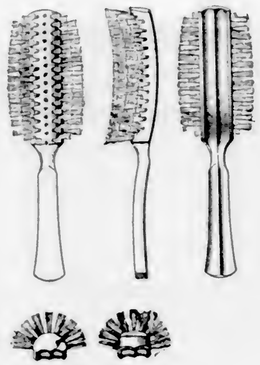
The ornamental design for a shoe or similar article, substantially as shown.

126,204
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application January 21, 1941, Serial No. 98,227
Term of patent 7 years



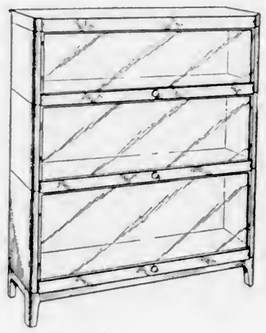
The ornamental design for a lamp or similar article, substantially as shown.

126,205
DESIGN FOR A HAIRBRUSH
Lewis H. Gustafson and Gordon S. Swift, Northampton, Mass., assignors to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application January 22, 1941, Serial No. 98,277
Term of patent 14 years



The ornamental design for a hairbrush, substantially as shown.

126,206
DESIGN FOR A BOOKCASE
Gerald Johnson, George Cushing, and Thomas G. W. Nevell, New York, N. Y., assignors to The Globe-Wernicke Company, Cincinnati, Ohio, a corporation of Ohio
Application November 26, 1940, Serial No. 96,838
Term of patent 14 years



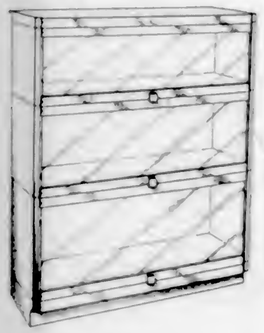
The ornamental design for a bookcase, substantially as shown and described.

126,207
DESIGN FOR A BOOKCASE
Gerald Johnson, George Cushing, and Thomas G. W. Nevell, New York, N. Y., assignors to The Globe-Wernicke Company, Cincinnati, Ohio, a corporation of Ohio
Application November 26, 1940, Serial No. 96,839
Term of patent 14 years



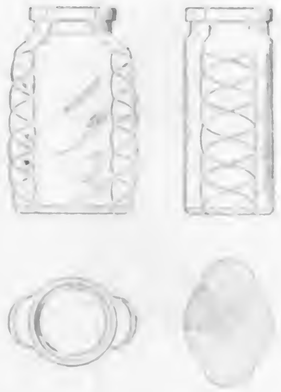
The ornamental design for a bookcase, substantially as shown and described.

126,208
DESIGN FOR A BOOKCASE
Gerald Johnson, George Cushing, and Thomas G. W. Nevell, New York, N. Y., assignors to The Globe-Wernicke Company, Cincinnati, Ohio, a corporation of Ohio
Application November 26, 1940, Serial No. 96,841
Term of patent 14 years



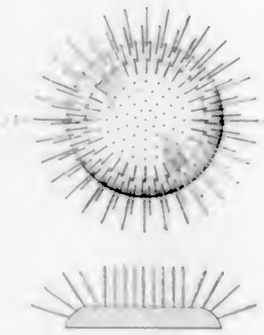
The ornamental design for a bookcase, substantially as shown and described.

126,209
DESIGN FOR A BOTTLE
William J. Lundy, Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application January 10, 1941, Serial No. 97,954
Term of patent 7 years



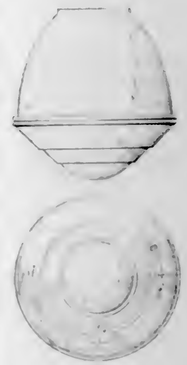
The ornamental design for a bottle, as shown and described.

126,210
DESIGN FOR A FLOWER HOLDER
Agnes Muhl, Waco, Tex.
Application July 22, 1940, Serial No. 93,842
Term of patent 7 years



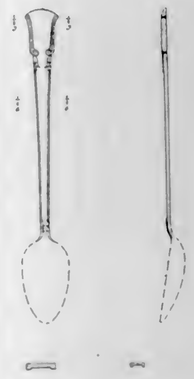
The ornamental design for a flower holder, as shown.

126,211
DESIGN FOR A LIGHTING FIXTURE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application June 26, 1940, Serial No. 93,253
Term of patent 14 years



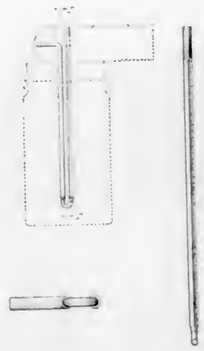
The ornamental design for a lighting fixture, as shown.

126,212
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Milton Schulgasser, New York, N. Y., assignor, by mesne assignments, to National Silver Company, New York, N. Y., a corporation of New York
Application December 27, 1940, Serial No. 97,654
Term of patent 14 years



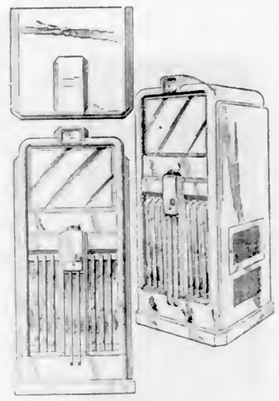
The ornamental design for a spoon or similar article, as shown.

126,213
DESIGN FOR A LIQUID SPRAYER
John F. Schylander, Chicago, Ill.
Application July 11, 1940, Serial No. 93,570
Term of patent 7 years



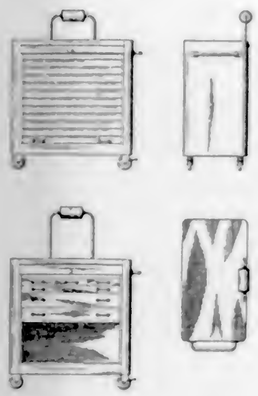
The ornamental design for a liquid sprayer, as shown and described.

126,214
DESIGN FOR A CABINET FOR CONTINUOUS MOTION PICTURE PROJECTOR
Abraham Shapiro, Chicago, Ill., assignor to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application January 24, 1941, Serial No. 98,355
Term of patent 14 years



The ornamental design for a cabinet for continuous motion picture projector, substantially as shown.

126,215
DESIGN FOR A TOOL CABINET
Albert P. Siersma, Chicago, Ill., assignor to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware
Application May 18, 1940, Serial No. 92,460
Term of patent 7 years



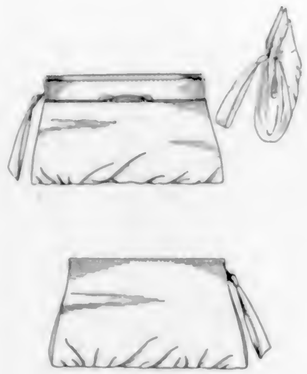
The ornamental design for a tool cabinet, substantially as shown and described.

126,216
DESIGN FOR A MATTRESS COVER OR SIMILAR ARTICLE
Allen C. Weissman, New York, N. Y.
Application January 18, 1941, Serial No. 98,176
Term of patent 3½ years



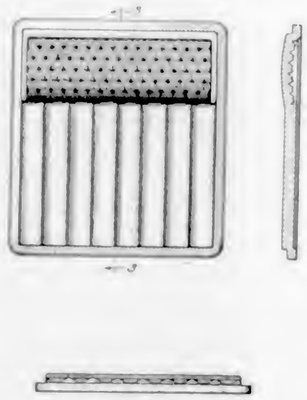
The ornamental design for a mattress cover or similar article, substantially as shown.

126,217
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
Bernard B. White, New York, N. Y.
Application November 12, 1940, Serial No. 96,500
Term of patent 3½ years



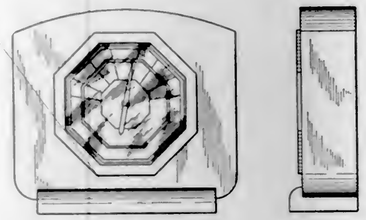
The ornamental design for a handbag or similar article, substantially as shown.

126,218
DESIGN FOR A LIGHTING PANEL
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application August 2, 1940, Serial No. 94,138
Term of patent 14 years



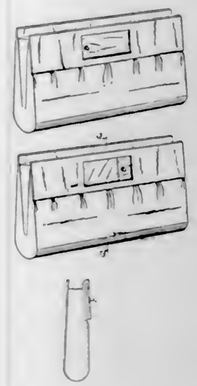
The ornamental design for a lighting panel, substantially as shown.

126,219
DESIGN FOR AN INDICATING INSTRUMENT
H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application January 27, 1941, Serial No. 98,402
Term of patent 7 years



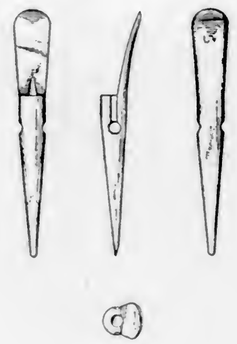
The ornamental design for an indicating instrument, as shown.

126,220
DESIGN FOR A COMBINATION HANDBAG AND MIRROR CONTAINER
Samuel R. Goldsmith, New York, N. Y.
Application February 25, 1941, Serial No. 99,202
Term of patent 3½ years



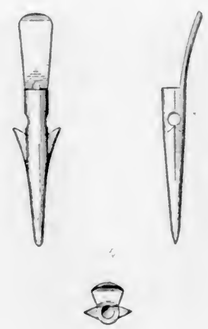
The ornamental design for a combination handbag and mirror container, substantially as shown and described.

126,221
DESIGN FOR A FISH DART
John E. Hutcheson, Hempstead, N. Y.
Application August 7, 1940, Serial No. 94,284
Term of patent 7 years



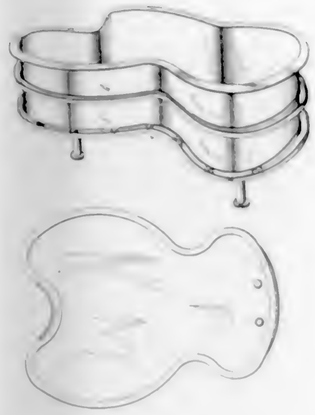
The ornamental design for a fish dart, as shown.

126,222
DESIGN FOR A FISH DART
John E. Hutcheson, Hempstead, N. Y.
Application September 12, 1940, Serial No. 94,998
Term of patent 7 years



The ornamental design for a fish dart, as shown.

126,223
DESIGN FOR A THERAPY TANK
Floyd W. Ille, New York, N. Y.
Application December 12, 1940, Serial No. 97,270
Term of patent 14 years



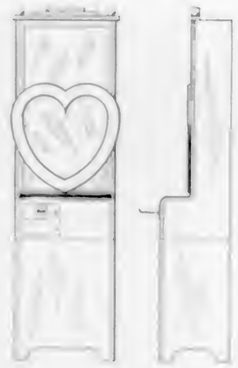
The ornamental design for a therapy tank, as shown.

126,224
DESIGN FOR A WATER HEATER
Clarence Karstadt, Glen Ellyn, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application July 27, 1940, Serial No. 93,964
Term of patent 7 years



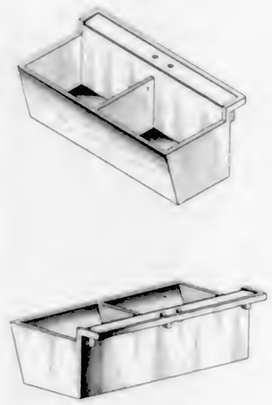
The ornamental design for a water heater, substantially as shown and described.

126,225
DESIGN FOR A CABINET FOR AN AMUSEMENT APPARATUS
John F. Meyer, Chicago, Ill., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1940, Serial No. 97,510
Term of patent 7 years



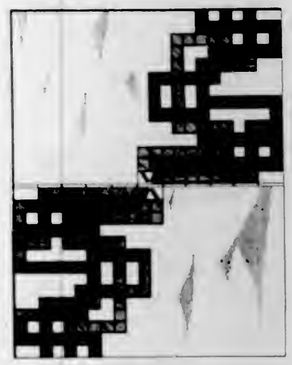
The ornamental design for a cabinet for an amusement apparatus, as shown.

126,226
DESIGN FOR A LAUNDRY TUB
Joseph C. Steiner, Chicago, Ill.
Application July 15, 1940, Serial No. 93,660
Term of patent 7 years



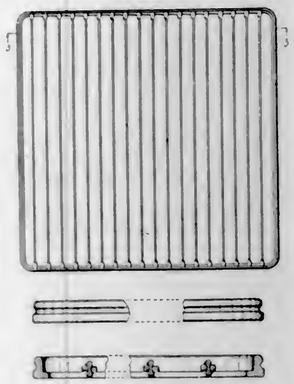
The ornamental design for a laundry tub, as shown and described.

126,227
DESIGN FOR A GAME BOARD
Ernest A. Villeneuve, Woonsocket, R. I.
Application November 25, 1940, Serial No. 96,798
Term of patent 7 years



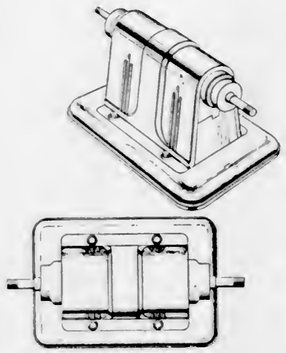
The ornamental design for a game board, as shown and described.

126,228
DESIGN FOR A RACK FOR A REFRIGERATOR, OVEN, OR THE LIKE
Leonard A. Young, Detroit, Mich.
Application November 16, 1940, Serial No. 96,626
Term of patent 14 years



The ornamental design for a rack for a refrigerator, oven, or the like, as shown.

126,229
DESIGN FOR A ROTARY MACHINE TOOL
Umberto Anesi, Chicago, Ill.
Application August 4, 1940, Serial No. No. 94,241
Term of patent 7 years



The ornamental design for a rotary machine tool, substantially as shown and described.

126,230
DESIGN FOR A DRESS
Gilberte Andrée, New York, N. Y.
Application January 21, 1941, Serial No. 98,263
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,231
DESIGN FOR A DRESS
Gilberte Andrée, New York, N. Y.
Application January 27, 1941, Serial No. 98,424
Term of patent 3½ years



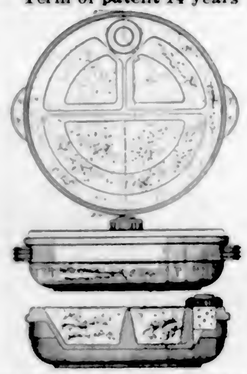
The ornamental design for a dress, substantially as shown.

126,232
DESIGN FOR A DRESS
Gilberte Andrée, New York, N. Y.
Application January 31, 1941, Serial No. 98,570
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,233
DESIGN FOR A SERVING DISH
Albert Bartsch, Chicago, Ill.
Application April 27, 1939, Serial No. 84,596
Term of patent 14 years



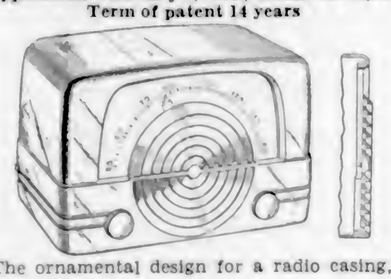
The ornamental design for a serving dish, as shown.

126,234
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Ferdinand S. Barbiers, Lancaster, Ohio
Application May 29, 1940, Serial No. 92,691
Term of patent 3½ years



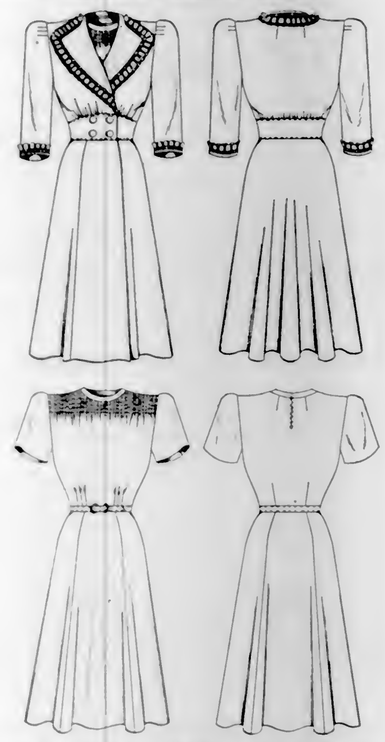
The ornamental design for a bottle or similar article, substantially as shown.

126,235
DESIGN FOR A RADIO CASING
Robert D. Budlong, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application February 7, 1941, Serial No. 98,836
Term of patent 14 years



The ornamental design for a radio casing, as shown.

126,236
DESIGN FOR A DRESS ENSEMBLE
Madeleine Croizat, New York, N. Y.
Application January 23, 1941, Serial No. 98,294
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,237
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application December 23, 1940, Serial No. 97,586
Term of patent 3½ years



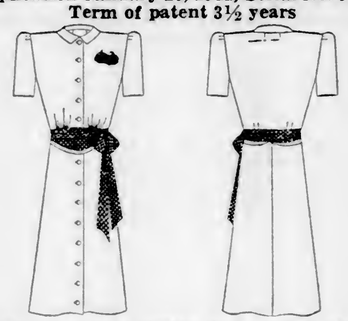
The ornamental design for a dress, substantially as shown.

126,238
DESIGN FOR A DRESS
Edna Freeman, New York, N. Y.
Application January 28, 1941, Serial No. 98,458
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,239
DESIGN FOR A DRESS
Evelyn Gold, New York, N. Y.
Application January 10, 1941, Serial No. 97,957
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

126,240
DESIGN FOR A COAT
Edward Grossman, New York, N. Y.
Application January 29, 1941, Serial No. 98,503
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,241
DESIGN FOR A DRESS
Philip Israel, New York, N. Y.
Application January 30, 1941, Serial No. 98,539
Term of patent 3½ years



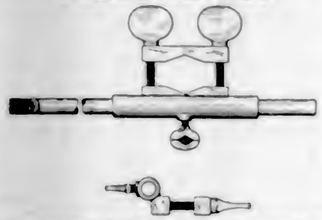
The ornamental design for a dress, as shown.

126,242
DESIGN FOR A COMB OR SIMILAR ARTICLE
Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 6, 1940, Serial No. 89,326
Term of patent 7 years



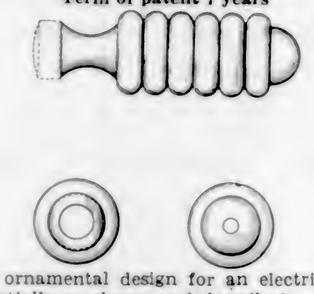
The ornamental design for a comb or similar article, substantially as shown and described.

126,243
DESIGN FOR A SUPPORT FOR A READING GLASS
Fred C. Kennard, Cleveland Heights, Ohio
Application December 19, 1940, Serial No. 97,465
Term of patent 7 years



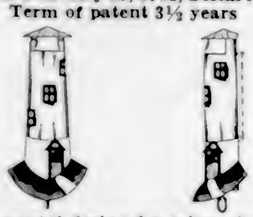
The ornamental design for a support for a reading glass, substantially as shown.

126,244
DESIGN FOR AN ELECTRIC RAZOR
Harry Lampert, Los Angeles, Calif.
Application October 28, 1940, Serial No. 96,145
Term of patent 7 years



The ornamental design for an electric razor, substantially as shown and described.

126,245
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Reginald L. Moonan, New York, N. Y.
Application February 19, 1941, Serial No. 99,117
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

126,246
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 18, 1941, Serial No. 99,078
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

126,247
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 18, 1941, Serial No. 99,079
Term of patent 3½ years



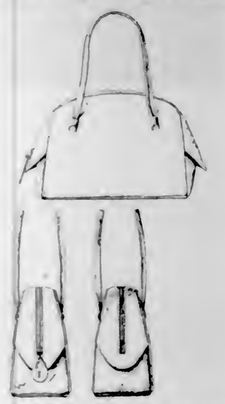
The ornamental design for a pin clip, as shown.

126,248
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application February 18, 1941, Serial No. 99,080
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

126,249
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
Irving Pichel, New York, N. Y., assignor to Pichel Inc., New York, N. Y.
Application January 23, 1941, Serial No. 98,332
Term of patent 3½ years



The ornamental design for a handbag or similar article, as shown and described.

126,250
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application January 31, 1941, Serial No. 98,594
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,251
DESIGN FOR A NECKTIE
Harry Rosenbaum, Denver, Colo.
Application December 30, 1940, Serial No. 97,703
Term of patent 7 years



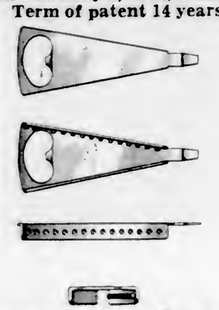
The ornamental design for a necktie, as shown.

126,252
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application January 27, 1941, Serial No. 98,419
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,253
DESIGN FOR A COMBINATION SCREW DRIVER AND CAP AND LID REMOVER
John B. Smiley, New York, N. Y.
Application February 4, 1941, Serial No. 98,734
Term of patent 14 years



The ornamental design for a combination screw driver and cap and lid remover, substantially as shown.

126,254
DESIGN FOR A KNITTED FABRIC
David Sobel, New York, N. Y.
Application February 18, 1941, Serial No. 99,089
Term of patent 3½ years



The ornamental design for a knitted fabric, substantially as shown.

126,255
DESIGN FOR A KNITTED FABRIC
David Sobel, New York, N. Y.
Application February 26, 1941, Serial No. 99,222
Term of patent 3½ years



The ornamental design for a knitted fabric, substantially as shown.

126,256
DESIGN FOR A KNITTED FABRIC
David Sobel, New York, N. Y.
Application February 25, 1941, Serial No. 99,211
Term of patent 3½ years



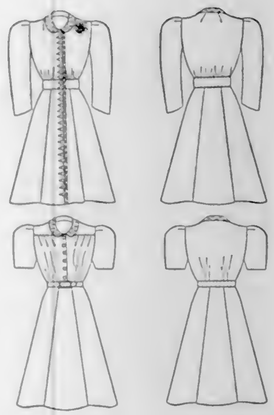
The ornamental design for a knitted fabric, substantially as shown.

126,257
DESIGN FOR A KNITTED FABRIC
David Sobel, New York, N. Y.
Application February 26, 1941, Serial No. 99,223
Term of patent 3½ years



The ornamental design for a knitted fabric, substantially as shown.

126,258
DESIGN FOR A DRESS ENSEMBLE
Winifred Weill, New York, N. Y.
Application January 30, 1941, Serial No. 98,536
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,259
DESIGN FOR A DRESS ENSEMBLE
Winifred Weill, New York, N. Y.
Application January 30, 1941, Serial No. 98,537
Term of patent 3½ years



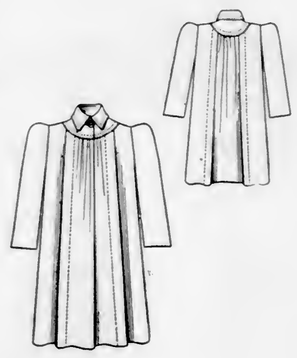
The ornamental design for a dress ensemble, as shown.

126,260
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application January 30, 1941, Serial No. 98,518
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,261
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application February 3, 1941, Serial No. 98,668
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,262
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application December 21, 1940, Serial No. 97,528
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown and described.

126,263
DESIGN FOR A PANTIE
Esther Cadous, New York, N. Y.
Application October 9, 1940, Serial No. 95,734
Term of patent 3½ years



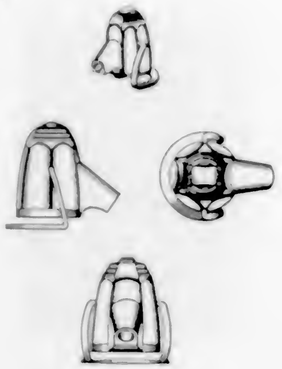
The ornamental design for a pantie, as shown.

126,264
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 31, 1941, Serial No. 98,588
Term of patent 3½ years



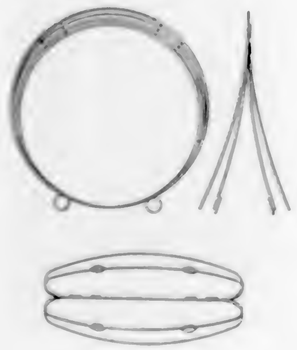
The ornamental design for a dress, substantially as shown.

126,265
DESIGN FOR A SIPHON HEAD
Lee Gebhart, Coral Gables, Fla., and Howard L. Ross, New York, N. Y.
Application October 7, 1940, Serial No. 95,676
Term of patent 14 years



The ornamental design for a siphon head, as shown.

126,266
DESIGN FOR A FRAME FOR A TUMBLER RACK
Adolph J. Havlis, Oak Park, Ill., assignor to Keystone Metal Products Co., Chicago, Ill., a corporation of Illinois
Application July 10, 1940, Serial No. 93,535
Term of patent 3½ years



The ornamental design for a frame for a tumbler rack, substantially as shown.

126,267
DESIGN FOR A DRESS
Tinna Lauterstein, New York, N. Y.
Application December 28, 1940, Serial No. 97,668
Term of patent 3½ years



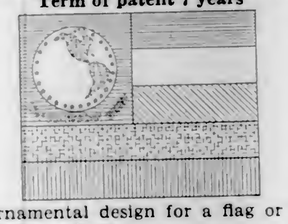
The ornamental design for a dress, substantially as shown and described.

126,268
DESIGN FOR A COAT
Charles Leibowitz, New York, N. Y.
Application February 1, 1941, Serial No. 98,634
Term of patent 3½ years



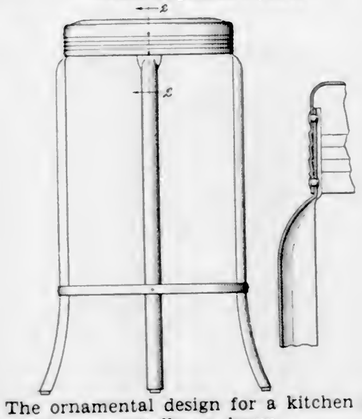
The ornamental design for a coat, substantially as shown and described.

126,269
DESIGN FOR A FLAG OR THE LIKE
Clarence Julian Owens, Washington, D. C.
Application January 16, 1941, Serial No. 98,134
Term of patent 7 years



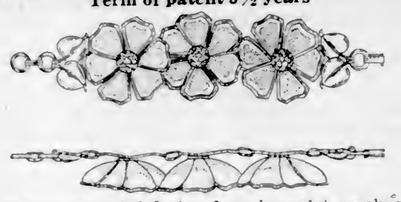
The ornamental design for a flag or the like, substantially as shown.

126,270
DESIGN FOR A KITCHEN STOOL OR THE LIKE
William C. Panzer, Chicago, Ill., assignor to Russakov Can Company, Chicago, Ill., a corporation of Illinois
Application January 31, 1940, Serial No. 89,903
Term of patent 7 years



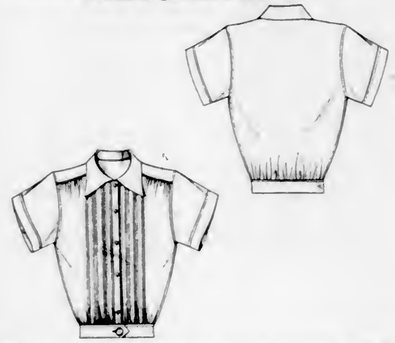
The ornamental design for a kitchen stool or the like, substantially as shown.

126,271
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application February 20, 1941, Serial No. 99,149
Term of patent 3½ years



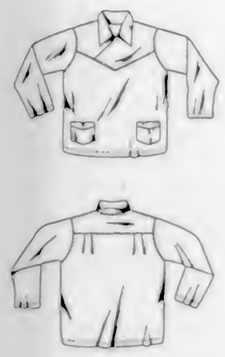
The ornamental design for a bracelet, as shown.

126,272
DESIGN FOR A BLOUSE
Benjamin Shander, Philadelphia, Pa.
Application August 3, 1940, Serial No. 94,227
Term of patent 3½ years



The ornamental design for a blouse, substantially as shown.

126,273
DESIGN FOR A SHIRT OR SIMILAR ARTICLE
Elsie Swan, Los Angeles, Calif., assignor to Hollywood Rogue Sportswear, Inc., Los Angeles, Calif., a corporation of California
Application February 7, 1939, Serial No. 82,850
Term of patent 3½ years



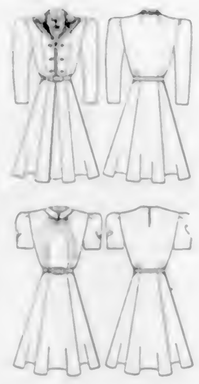
The ornamental design for a shirt or similar article, substantially as shown.

126,274
DESIGN FOR A DRESS
Sam Bleber, New York, N. Y.
Application February 19, 1941, Serial No. 99,112
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,275
DESIGN FOR A DRESS ENSEMBLE
Frank C. Brogan, Larchmont, N. Y.
Application February 10, 1941, Serial No. 98,878
Term of patent 3½ years



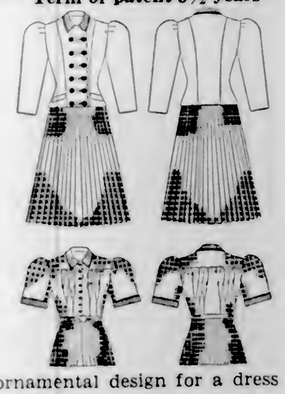
The ornamental design for a dress ensemble, substantially as shown.

126,276
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application February 19, 1941, Serial No. 99,113
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,277
DESIGN FOR A DRESS ENSEMBLE
Marie Brucato, New York, N. Y.
Application February 19, 1941, Serial No. 99,114
Term of patent 3½ years



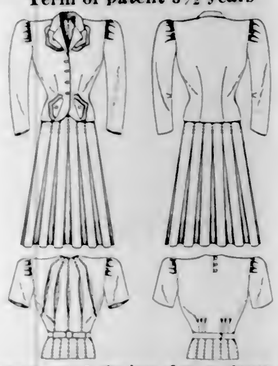
The ornamental design for a dress ensemble, as shown.

126,278
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application February 17, 1941, Serial No. 99,062
Term of patent 3½ years



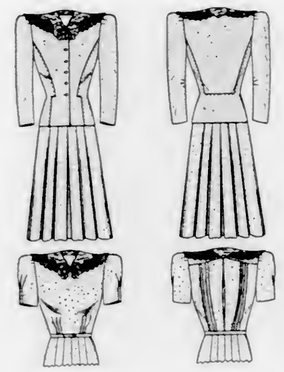
The ornamental design for a dress, substantially as shown.

126,279
DESIGN FOR A DRESS ENSEMBLE
Bessie Recht, St. Louis, Mo.
Application February 11, 1941, Serial No. 98,904
Term of patent 3½ years



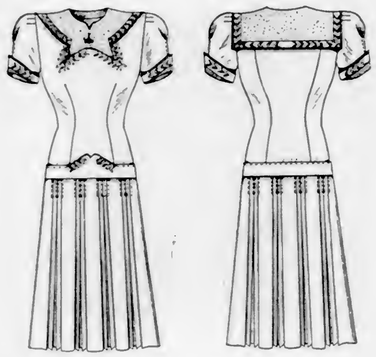
The ornamental design for a dress ensemble, substantially as shown.

126,280
DESIGN FOR A DRESS ENSEMBLE
Bessie Recht, St. Louis, Mo.
Application February 11, 1941, Serial No. 98,905
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,281
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application February 11, 1941, Serial No. 98,906
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,282
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application February 11, 1941, Serial No. 98,907
Term of patent 3½ years



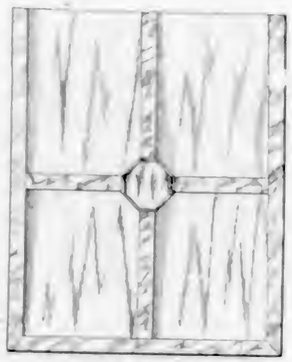
The ornamental design for a dress, substantially as shown.

126,283
DESIGN FOR A DRESS ENSEMBLE
Julia Richards, Brooklyn, N. Y.
Application February 7, 1941, Serial No. 98,826
Term of patent 3½ years



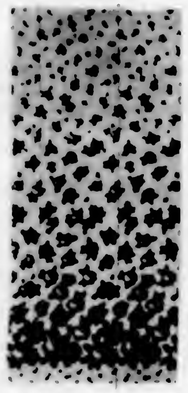
The ornamental design for a dress ensemble, substantially as shown.

126,284
DESIGN FOR A BEDCOVER OR SIMILAR ARTICLE
Eugene Black, New York, N. Y.
Application January 23, 1941, Serial No. 98,301
Term of patent 7 years



The ornamental design for a bedcover or similar article, substantially as shown.

126,285
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Julia Morris, New York, N. Y., assignor to Cohn Hall Marx Co., New York, N. Y.
Application February 24, 1941, Serial No. 99,186
Term of patent 3½ years



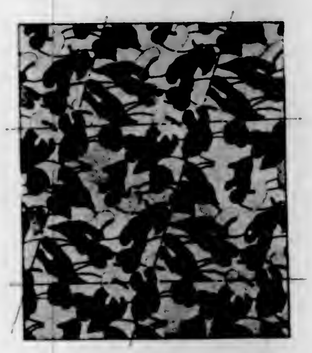
The ornamental design for a textile fabric or similar article, as shown and described.

126,286
DESIGN FOR A TEXTILE FABRIC
Benjamin W. Rosenblum, New York, N. Y.
Application February 26, 1941, Serial No. 99,224
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,287
DESIGN FOR A TEXTILE FABRIC
Benjamin W. Rosenblum, New York, N. Y.
Application February 28, 1941, Serial No. 99,268
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,288
DESIGN FOR A TEXTILE FABRIC
Benjamin W. Rosenblum, New York, N. Y.
Application February 28, 1941, Serial No. 99,269
Term of patent 3½ years



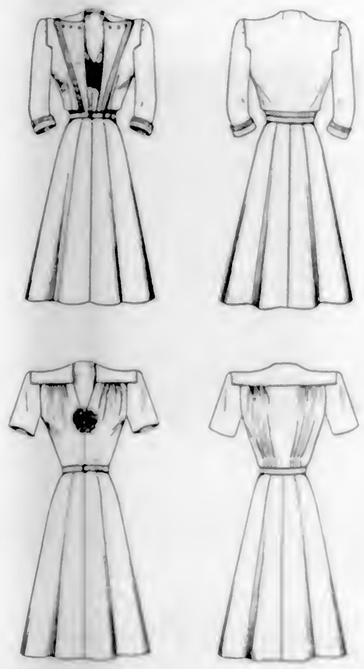
The ornamental design for a textile fabric, substantially as shown.

126,289
DESIGN FOR A TEXTILE FABRIC
Max Toplitz, New York, N. Y.
Application March 3, 1941, Serial No. 99,318
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

126,290
DESIGN FOR A DRESS ENSEMBLE
Marcelle Ager, New York, N. Y.
Application February 3, 1941, Serial No. 98,697
Term of patent 3½ years

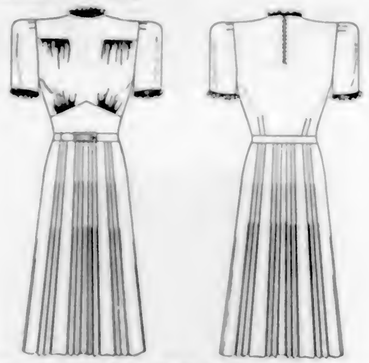


The ornamental design for a dress ensemble, substantially as shown.

126,291
DESIGN FOR A DRESS ENSEMBLE
Betty Baum, Chicago, Ill.
Application February 1, 1941, Serial No. 98,637
Term of patent 3½ years



126,291—Continued



The ornamental design for a dress ensemble, substantially as shown.

126,292
DESIGN FOR A DRESS
Harry Berman, Brooklyn, N. Y.
Application February 8, 1941, Serial No. 98,846
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,293
DESIGN FOR A DRESS
Morris Briman, New York, N. Y.
Application February 10, 1941, Serial No. 98,884
Term of patent 3½ years

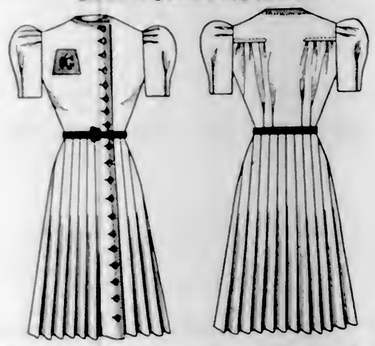


126,293—Continued



The ornamental design for a dress, substantially as shown.

126,294
DESIGN FOR A DRESS
Charles L. Calisch, Chicago, Ill.
Application February 1, 1941, Serial No. 98,635
Term of patent 3½ years



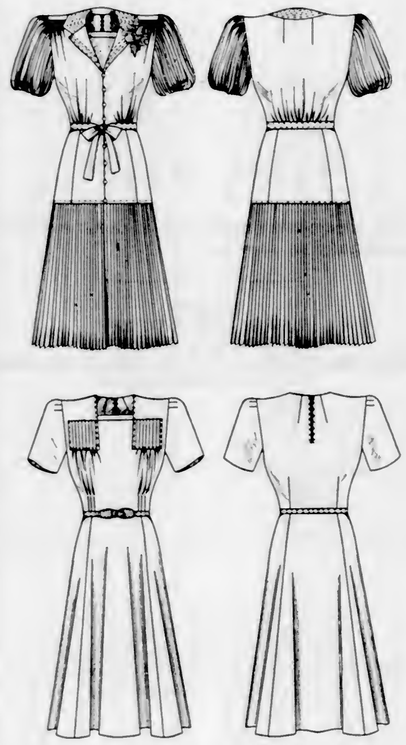
The ornamental design for a dress, substantially as shown.

126,295
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application February 17, 1941, Serial No. 99,061
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,296
DESIGN FOR A DRESS ENSEMBLE
Madeleine Croizat, New York, N. Y.
Application February 7, 1941, Serial No. 98,822
Term of patent 3½ years

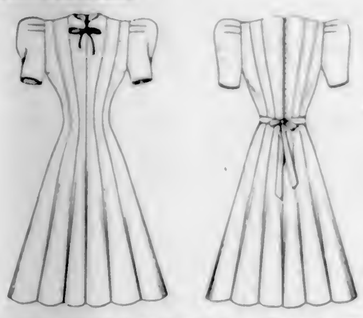


The ornamental design for a dress ensemble, substantially as shown.

126,297
DESIGN FOR A DRESS ENSEMBLE
Pauline Fracchia, New York, N. Y.
Application February 3, 1941, Serial No. 98,693
Term of patent 3½ years



126,297—Continued



The ornamental design for a dress ensemble, substantially as shown.

126,298
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application February 10, 1941, Serial No. 98,891
Term of patent 3½ years

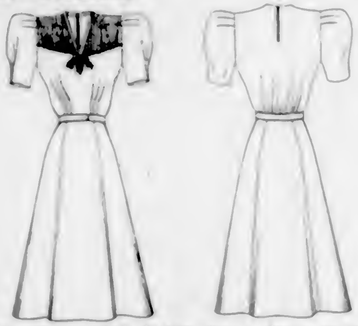


The ornamental design for a dress, substantially as shown.

126,299
DESIGN FOR A DRESS ENSEMBLE
Max Lynn, New York, N. Y.
Application January 31, 1941, Serial No. 98,585
Term of patent 3½ years



126,299—Continued



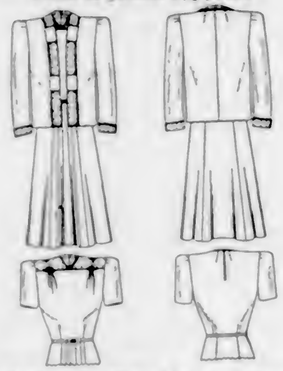
The ornamental design for a dress ensemble, substantially as shown.

126,300
DESIGN FOR A DRESS
Murray Marve, New York, N. N. Y.
Application February 4, 1941, Serial No. 98,718
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,301
DESIGN FOR A DRESS ENSEMBLE
Murray Marve, New York, N. Y.
Application February 4, 1941, Serial No. 98,719
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,302
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application February 1, 1941, Serial No. 98,639
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,303
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application February 1, 1941, Serial No. 98,641
Term of patent 3½ years



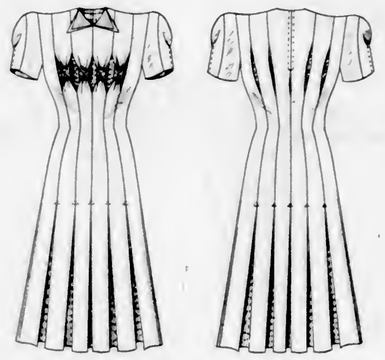
The ornamental design for a dress ensemble, substantially as shown.

126,304
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application February 1, 1941, Serial No. 98,644
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,305
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application February 11, 1941, Serial No. 98,901
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,306
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application February 11, 1941, Serial No. 98,903
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,307
DESIGN FOR A DRESS
Joseph Rosenberg, New York, N. Y.
Application February 17, 1941, Serial No. 99,060
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,308
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application February 3, 1941, Serial No. 98,699
Term of patent 3½ years



126,308—Continued



The ornamental design for a dress, substantially as shown.

126,309
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application February 10, 1941, Serial No. 98,893
Term of patent 3½ years





The ornamental design for a dress, substantially as shown.

126,310
DESIGN FOR A DRESS
Irving Szerlip, New York, N. Y.
Application February 10, 1941, Serial No. 98,885
Term of patent 3½ years



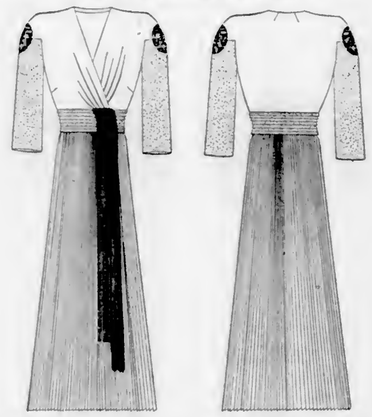
The ornamental design for a dress, substantially as shown.

126,311
DESIGN FOR A DRESS
Jane Walker, Jamaica, N. Y.
Application February 4, 1941, Serial No. 98,726
Term of patent 3½ years



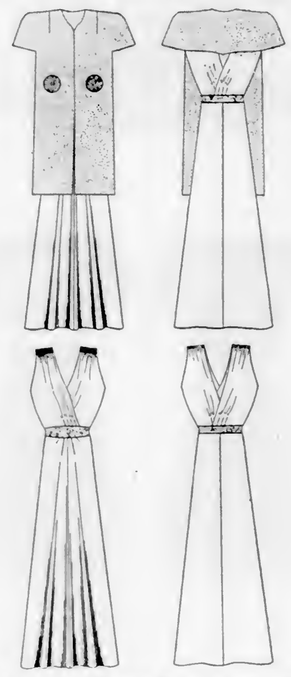
The ornamental design for a dress, as shown.

126,312
DESIGN FOR A DRESS
Jane Walker, Jamaica, N. Y.
Application February 4, 1941, Serial No. 98,727
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,313
DESIGN FOR A DRESS ENSEMBLE
Jane Walker, Jamaica, N. Y.
Application February 4, 1941, Serial No. 98,728
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,314
DESIGN FOR A DRESS ENSEMBLE
Beni Claire, New York, N. Y.
Application January 31, 1941, Serial No. 98,611
Term of patent 3½ years



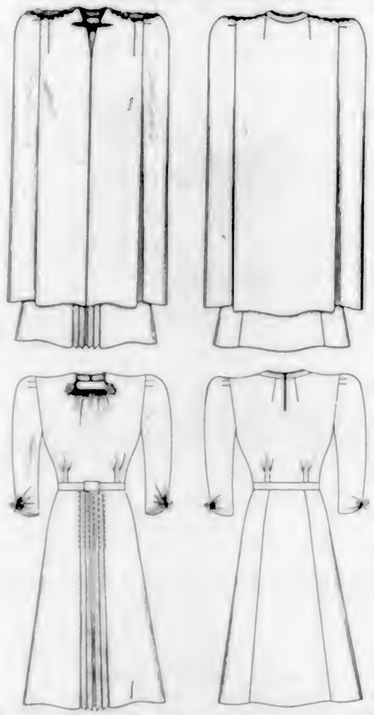
The ornamental design for a dress ensemble, substantially as shown.

126,315
DESIGN FOR A DRESS
David Cox, New York, N. Y.
Application January 31, 1941, Serial No. 98,612
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,316
DESIGN FOR A DRESS ENSEMBLE
Isidor Doctor, Chicago, Ill.
Application January 30, 1941, Serial No. 98,525
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,317
DESIGN FOR A DRESS
Miguel Dorian, New York, N. Y.
Application January 30, 1941, Serial No. 98,524
Term of patent 3½ years



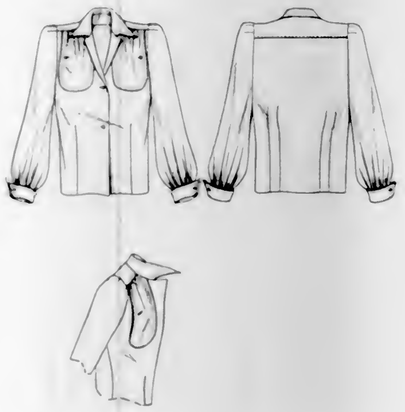
The ornamental design for a dress, substantially as shown.

126,318
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application February 17, 1941, Serial No. 99,059
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,319
DESIGN FOR A BLOUSE
Irving Geist, New York, N. Y.
Application January 27, 1941, Serial No. 98,441
Term of patent 3½ years



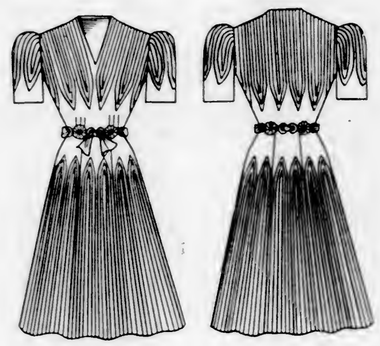
The ornamental design for a blouse, substantially as shown.

126,320
DESIGN FOR A DRESS
Lucy Hoshafian, Forest Hills, N. Y.
Application February 4, 1941, Serial No. 98,732
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,321
DESIGN FOR A DRESS
Seymour Jacobson, New York, N. Y.
Application February 11, 1941, Serial No. 98,926
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,322
DESIGN FOR A DRESS
Jane Marchesa, Flushing, N. Y.
Application February 4, 1941, Serial No. 98,721
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,323
DESIGN FOR A DRESS
Ottilie Conrad Nadel, New York, N. Y.
Application February 1, 1941, Serial No. 98,643
Term of patent 3½ years



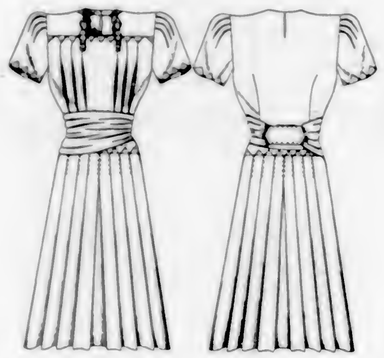
The ornamental design for a dress, substantially as shown.

126,324
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application February 1, 1941, Serial No. 98,645
Term of patent 3½ years



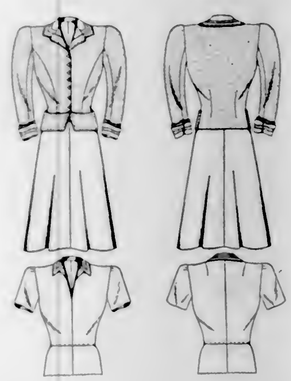
The ornamental design for a dress ensemble, substantially as shown.

126,325
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application February 11, 1941, Serial No. 98,909
Term of patent 3½ years



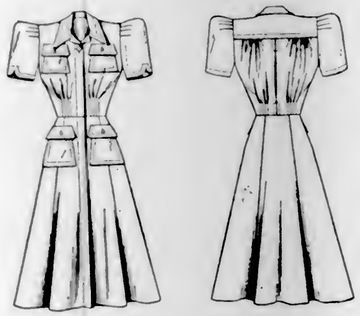
The ornamental design for a dress, substantially as shown.

126,326
DESIGN FOR A DRESS ENSEMBLE
Nettie Rosenstein, New York, N. Y.
Application January 30, 1941, Serial No. 98,523
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,327
DESIGN FOR A DRESS
William J. Turoff, New York, N. Y.
Application January 31, 1941, Serial No. 98,573
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,328
DESIGN FOR A DRESS
Marcelle Ager, New York, N. Y.
Application February 3, 1941, Serial No. 98,696
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,329
DESIGN FOR A DRESS
Augusta Berin, New York, N. Y.
Application February 18, 1941, Serial No. 99,085
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,330
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application February 3, 1941, Serial No. 98,698
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,331
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application February 10, 1941, Serial No. 98,888
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,332
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application February 10, 1941, Serial No. 98,889
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,333
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application February 10, 1941, Serial No. 98,890
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,334
DESIGN FOR A DRESS ENSEMBLE
Beni Claire, New York, N. Y.
Application February 7, 1941, Serial No. 98,824
Term of patent 3½ years



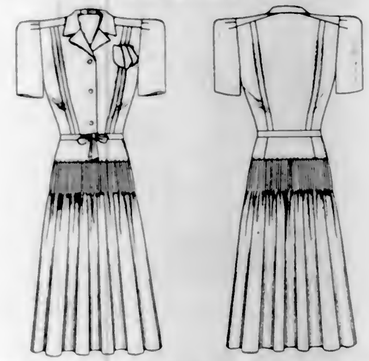
The ornamental design for a dress ensemble, substantially as shown.

126,335
DESIGN FOR A DRESS ENSEMBLE
Beni Claire, New York, N. Y.
Application February 7, 1941, Serial No. 98,825
Term of patent 3½ years



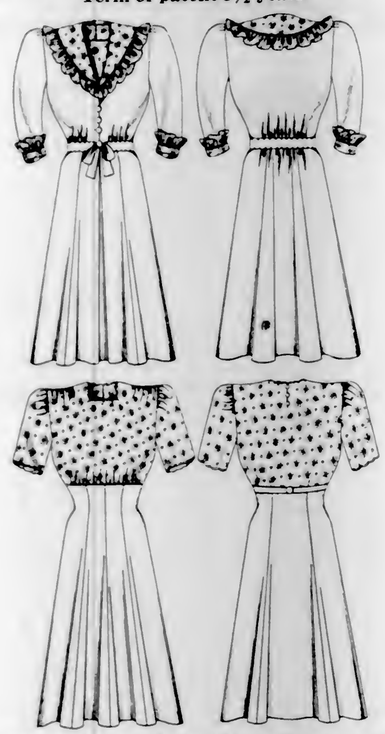
The ornamental design for a dress ensemble, substantially as shown.

126,336
DESIGN FOR A DRESS
Madeleine Croizat, New York, N. Y.
Application February 7, 1941, Serial No. 98,820
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,337
DESIGN FOR A DRESS ENSEMBLE
Madeleine Croizat, New York, N. Y.
Application February 7, 1941, Serial No. 98,823
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,338
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application January 31, 1941, Serial No. 98,574
Term of patent 3½ years



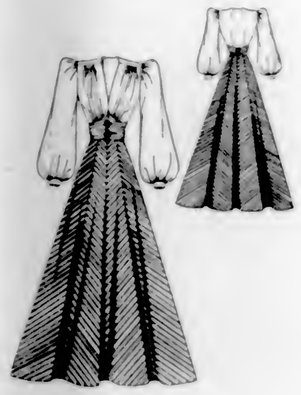
The ornamental design for a dress, substantially as shown.

126,339
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application January 31, 1941, Serial No. 98,575
Term of patent 3½ years



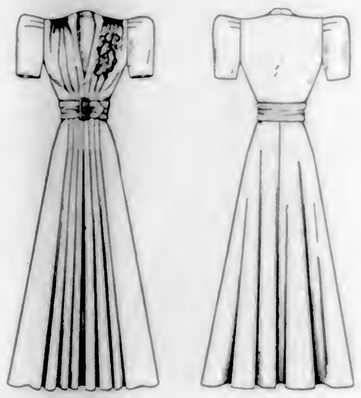
The ornamental design for a dress, substantially as shown.

126,340
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 17, 1941, Serial No. 99,057
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,341
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 20, 1941, Serial No. 99,142
Term of patent 3½ years



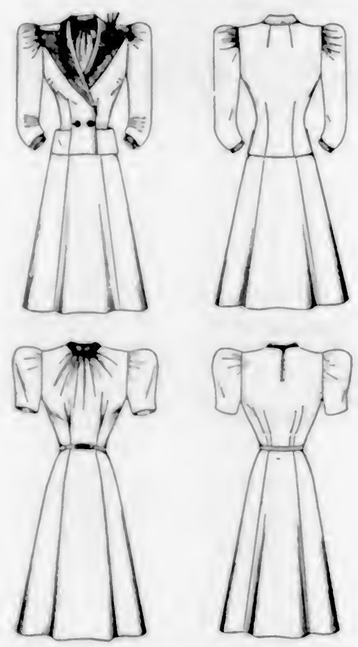
The ornamental design for a dress, substantially as shown.

126,342
DESIGN FOR A DRESS
Frances De. Maria, New York, N. Y.
Application February 17, 1941, Serial No. 99,058
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,343
DESIGN FOR A DRESS ENSEMBLE
Pauline Fracchia, New York, N. Y.
Application February 3, 1941, Serial No. 98,694
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,344
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application February 3, 1941, Serial No. 98,695
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,345
DESIGN FOR A DRESS AND SLIP ENSEMBLE
Herbert M. Harris, New York, N. Y.
Application February 18, 1941, Serial No. 99,074
Term of patent 3½ years



The ornamental design for a dress and slip ensemble, as shown and described.

126,346
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application February 18, 1941, Serial No. 99,075
Term of patent 3½ years



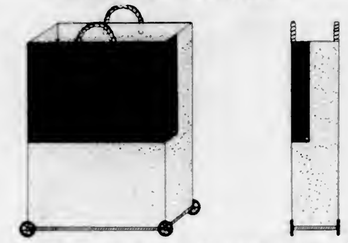
The ornamental design for a dress, as shown.

126,347
DESIGN FOR A DRESS
Louis Joel, New York, N. Y.
Application February 20, 1941, Serial No. 99,144
Term of patent 3½ years



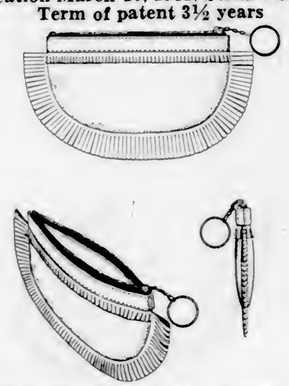
The ornamental design for a dress, substantially as shown.

126,348
DESIGN FOR A SHOPPING BAG OR SIMILAR ARTICLE
Josephine F. Mayers, New York, N. Y.
Application January 15, 1941, Serial No. 98,089
Term of patent 3½ years



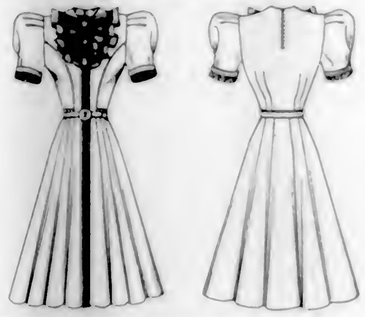
The ornamental design for a shopping bag or similar article, as shown and described.

126,349
DESIGN FOR A PURSE
Harry Morris, Chicago, Ill.
Application March 10, 1941, Serial No. 99,480
Term of patent 3½ years



The ornamental design for a purse, substantially as shown and described.

126,350
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application February 20, 1941, Serial No. 99,143
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,351
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application February 10, 1941, Serial No. 98,894
Term of patent 3½ years



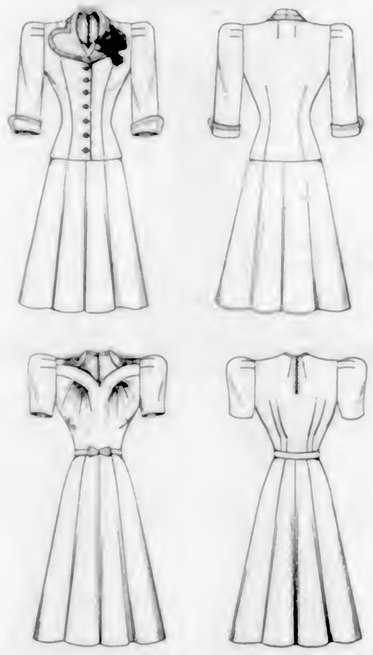
The ornamental design for a dress, substantially as shown.

126,352
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application February 10, 1941, Serial No. 98,886
Term of patent 3½ years



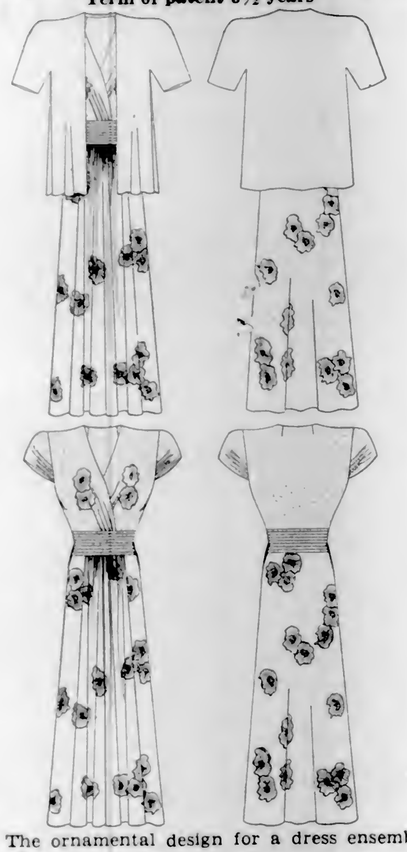
The ornamental design for a dress, substantially as shown.

126,353
DESIGN FOR A DRESS ENSEMBLE
Harold H. Stahl, New York, N. Y.
Application February 10, 1941, Serial No. 98,887
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,354
DESIGN FOR A DRESS ENSEMBLE
Jane Walker, Jamaica, N. Y.
Application February 4, 1941, Serial No. 98,729
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,355
DESIGN FOR A DRESS
Malvina Wolff, New York, N. Y.
Application February 3, 1941, Serial No. 98,692
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

THE

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OF THE

United States Patent Office

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April 8, 1941

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Reissues	9	No. 21,761 to No.	21,769, inclusive.
Patents	745	No. 2,237,283 to No.	2,238,027, inclusive.
Designs	193	No. 126,356 to No.	126,548, inclusive.
Total	1,102		

Notice

In accordance with the provisions of Rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Wednesday, June 11, 1941.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than May 28, 1941.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

HENRY VAN ARSDALE,
Chairman of the Committee on Enrollment and Disbarment.

Interference Notice

U. S. Patent Office, *Washington, D. C., Mar. 5, 1941.*

Bradley-Wise Paint Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Milton Bradley Company, 74 Park Street, Springfield, Mass., for registration of a trade-mark, and trade-marks registered March 1, 1927, Nos. 224,571 and 224,572, to Bradley-Wise Paint Company, 4890 Pacific Boulevard, Los Angeles, Calif. (General Paint Corporation, successor). A notice of such proceeding sent by registered mail to said Bradley-Wise Paint Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Bradley-Wise Paint Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Notices of Cancellation

U. S. Patent Office, *Washington, D. C., Mar. 10, 1941.*

Reuben Wornow, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Special Formula Corporation, 845 North Arlington Avenue, East Orange, N. J., to effect the cancellation of registration No. 291,009, issued January 26, 1932, to Reuben Wornow, 176 Avenue B, New York, N. Y., and a notice of such proceeding sent by registered mail to said Reuben Wornow at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Reuben Wornow, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

U. S. Patent Office, *Washington, Mar. 26, 1941.*

B. & S. Bushman, Inc., its assigns or legal representatives, take notice.

A cancellation proceeding has been instituted by this Office upon the application of Dwinell-Wright Company, 68 Fargo Street, Boston, Mass., to effect the cancellation of registration No. 210,409, issued March 16, 1926, to B. S. & S. M. Bushman. The assignment records of this Office show a transfer of title to this registration to B. & S. Bushman, Inc., 108 Lexington Street, Baltimore, Md., who has been substituted for said B. S. & S. M. Bushman to defend the registration concerned. A notice of such proceeding sent by registered mail to B. & S. Bushman, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless B. & S. Bushman, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Printed Copies of Patents

A printed copy of the complete specification and drawings of any patent published herein can be obtained for ten cents.

Condition of Applications Under Examination at Close of Business March 22, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,013; Trade-Mark Division, 1,312. Oldest new case, May 15, 1940; oldest amended, June 15, 1940.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

(The dates given are for 1940 except where † indicates 1941)

Room No.		Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
5624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure C[illegible]tors; Fences; Gates; Tillage.	Oct. 21	Oct. 17	436
5708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco [illegible]itchering; Bee Culture.	Aug. 27	Aug. 17	565
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 23	†Jan. 22	346
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Jan. 2	Nov. 20	461
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 4	Nov. 1	386
4868 C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 21	Aug. 29	1,007
5725	7. JARBOE, C. O., Optics; Photography	Sept. 26	Sept. 26	972
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Sept. 13	Sept. 16	854
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 14	Oct. 9	389
5612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Sept. 28	Oct. 19	238
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 23	Nov. 22	441
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Oct. 3	Sept. 25	481
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept. 16	Sept. 5	553
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 20	Nov. 22	502
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Sept. 9	Sept. 6	1,070
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 3	Nov. 28	542
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 13	Nov. 16	535
4613	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 28	Nov. 6	459
4695	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 19	Nov. 20	524
5905	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 7	Oct. 1	327
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 6	Oct. 21	325
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	June 12	June 15	1,451
7624	23. BUTTNER, W. J., Registers (part)	July 25	July 23	225
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 31	Aug. 26	939
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 1	Oct. 23	523
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 8	Oct. 25	444
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Oct. 5	Sept. 26	618
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 21	Aug. 12	296
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Oct. 5	Oct. 16	671
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 29	Nov. 29	586
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 8	Oct. 8	1,381
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 20	Dec. 6	834
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Nov. 8	Nov. 23	792
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Aug. 4	Aug. 30	343
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Dispensing; Portable Receptacles	Sept. 20	Oct. 14	810
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 9	Aug. 14	509
4886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 16	Aug. 9	589
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 31	Aug. 3	822
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 27	Nov. 27	504
7890	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Aug. 22	Aug. 22	1,619
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 25	Oct. 24	486
5882	42. CUTTING, H. O., Electric Signaling	Oct. 18	Oct. 19	375
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 27	Sept. 27	523
4087 B	44. HARVEY, L. P., Refrigeration	Sept. 20	Sept. 14	616
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Aug. 2	Nov. 6	342
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 30	Nov. 1	579
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	Nov. 15	Nov. 7	390
5731	48. ROEFKE, O. B., Electricity, General Applications; Igniters	Oct. 26	Oct. 28	572
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 21	Sept. 21	803
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 23	Sept. 23	1,247
5628	51. HACKUS, C. D., Radiant Energy (part)	†Jan. 23	†Jan. 15	361
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 9	Nov. 12	520
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 27	Aug. 28	858
[illegible]	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	323
[illegible]	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 15	Nov. 9	324
[illegible]	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Aug. 15	Aug. 15	1,206
[illegible]	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	July 23	Oct. 17	194
5805	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 20	Oct. 26	516
4709	59. SHEPARD, F. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Sept. 20	Sept. 24	955
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Dec. 16	Dec. 23	243
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 22	Oct. 28	406
5621	62. PUGH, E. C., Games; Geometrical Instruments	May 15	June 17	307
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Aug. 14	Aug. 7	1,095
4708	64. NASH, F. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Nov. 26	Nov. 27	708
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Dec. 9	Dec. 14	274
2099 B	TRADE-MARKS: F. A. RICHMOND	†Feb. 6	†Mar. 3	1,312
2005	DESIGNS: H. H. KALUPY	†Jan. 28	†Feb. 10	1,054

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE BERTSCH

No. 4,372. Decided December 9, 1940

[115 F.(2d) 934]

PATENTABILITY—AQUEOUS TREATMENT LIQUIDS.

Certain claims of an application relating to aqueous treatment liquids for use particularly in the textile and leather industries *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Hammond and Littell (*Mr. Charles P. Pollard* of counsel) for Bertsch.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 15 and 16 in appellant's application for a patent for an alleged invention relating to "aqueous treatment liquids" for use particularly in the textile and leather industries.

The appealed claims read:

15. Aqueous treatment liquids having high wetting, detergent and emulsifying powers for use in the textile, leather and other industries wherein soap and soap-like products have heretofore been used, containing alkali metal salts of the reaction product of a sulfating medium upon a hydroxyl containing aliphatic higher molecular compound containing at least 8 carbon atoms, said compound being free of unstable carboxylic groups.

16. Aqueous treatment liquids having high wetting, detergent and emulsifying powers for use in the textile, leather and other industries wherein soap and soap-like products have heretofore been used, containing compounds possessing on the one hand a mono-alkali metal sulfate radical imparting water solubility and on the other hand a higher molecular open chain carbon compound containing at least 8 carbon atoms imparting oil solubility characteristics, said compounds being free of unstable carboxylic groups.

The references are: "Annalen der Chemie," Vol. 19, page 293; "Annalen der Chemie," Vol. 185, page 63.

That appellant's application discloses patentable subject matter is evidenced by the fact that eleven claims were allowed by the tribunals of the Patent Office—three by the Primary Examiner, and, on appeal, eight by the Board of Appeals.

Appellant's product is sufficiently described in the appealed claims.

In his application appellant states that the alkali metal salts component of his product is produced by converting the

"free or combined fatty acids of fatty materials, i. e. animal and vegetable fats and oils, and manufactured derivatives such as oleic acid or ethyl oleate, into the corresponding alcohols, and the treatment of these alcohols with a sulfating or sulfonating agent such as sulfuric acid."

The method by which the alkali metal salts component of appellant's product is produced is not here involved.

In his statement to the Board of Appeals, the Primary Examiner said, inter alia:

• • • These claims both define liquids containing alkali metal salts of long chain alkyl sulphates. The "Annalen" reference (Vol. 19, page 293) discloses the compound cetyl sulphuric acid and its salts. The cetyl radical is a long chain alkyl radical having 16 carbon atoms. Thus the compounds disclosed by the "Annalen" reference are within the range of compounds defined by the claims 15 and 16. The "Annalen" reference (Vol. 185, page 63) discloses the compound octyl sulphuric acid and its salts. The octyl radical is a long chain alkyl radical containing 8 carbon atoms. Applicant does not argue that his compounds are not the equivalents of those shown by the "Annalen" references but states that the claims do not read on the references because the claims specify a liquid containing the compounds. The Examiner considers that this argument is untenable. In the first place the mere dissolving of a known compound in a suitable solvent such as water does not involve invention, and further the mere discovery of a new use of an old compound does not make the compound per se repatentable. Any person skilled in the art would realize that an aliphatic compound having a sulphate group would have wetting and detersive properties. No invention would be involved in employing the products of the "Annalen" references in solution form for wetting purposes. The Examiner considers that a person skilled in the art would realize that the products of the "Annalen" references would no doubt be useful as wetting agents, and to make the experiment and find out that the compounds actually did possess wetting properties would not be invention—*In re Wietzel & Michael*, 400 O. G. 463.

It will be observed that the Primary Examiner held the "Annalen" reference (Vol. 19, page 293) discloses the "compound cetyl sulphuric acid and its salts"; that the "cetyl radical is a long chain alkyl radical having 16 carbon atoms," and is, therefore, within the range ("at least 8 carbon atoms") of compounds called for by the appealed claims; and that, so far as the appealed claims are concerned, appellant has merely dissolved an old compound in water and applied the solution to a new but obvious use.

Counsel for appellant contend that the "Annalen" reference (Vol. 19, page 293), which was published in 1836, was "based on work done in the laboratory on a small scale of an exploratory nature, from an academic standpoint"; that the author did "not show any interest in, nor record any observations as to, the properties" of the product produced, nor the probable utility of the product in the industrial arts; and that the author's method of producing the reference compound

"is so vague that it is impossible to ascertain whether a sulfonate is obtained or a sulfuric acid ester (sulfate). This question is of importance because the claims sought before this court are limited to sulfate compounds and do not include the less desirable sulfonate compounds."

Counsel further contend that the product called for by the appealed claims was not produced by appellant by merely dissolving a known compound in water, and that it is not true, as held by the Primary Examiner, that a person skilled in the art would realize that "an aliphatic compound having a sulfate group" would have wetting and detergent properties.

With regard to the later "Annalen" reference (Vol. 185, page 63, published in 1877), counsel for appellant contend that it discloses the "barium salt of octyl sulfate," which salt, it is contended, is not an alkali metal salt, as called for by the appealed claims, and is not soluble in water, and a considerable portion of the brief of counsel is de-

voted to a discussion of the claimed lack of pertinency of the disclosure in that reference.

In view of the fact that there is nothing in the brief of counsel for appellant, nor in the record, to warrant a holding that the views expressed by the Primary Examiner with regard to the disclosure in the earlier "Annalen" reference (Vol. 19, page 293) are incorrect, and as we must hold, therefore, that that reference discloses alkali metal salts containing 16 carbon atoms, which is within the range ("at least 8 carbon atoms") of compounds called for by the appealed claims, we deem it unnecessary to set forth here the views of counsel for appellant with regard to the disclosure in the later "Annalen" reference (Vol. 185, page 63).

The sole issues in the case, therefore, are whether, as held by the Primary Examiner, one skilled in the art would realize that the compound disclosed in the earlier "Annalen" reference (Vol. 19, page 293) "had wetting and detersive properties" and would be useful for such properties, and whether it would involve invention to dissolve such product in a suitable solvent, such as water, and apply the solution to the particular use set forth in the appealed claims, which use was not disclosed by the prior art.

There is nothing in the record, nor in the brief of counsel for appellant, to justify a holding by this court either that the compound disclosed in the earlier "Annalen" reference does not have "wetting and detersive properties," or that one skilled in the art would not realize that it had such properties. Assuming therefore, as we must for the purpose of this decision, that the compound disclosed in that reference has wetting and detersive properties and that one skilled in the art would realize that fact, we must hold that it would not involve invention to dissolve that compound in water or other suitable solvent and use the solution, as stated in the appealed claims, in the "textile, leather and other industries wherein soap and soap-like products have heretofore been used."

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DAVIDSON

No. 4,334. Decided December 9, 1940

[— F.(2d) —]

1. NEW MATTER—AMENDMENT DEFINING CRITICAL TERM.

Where the original specification of an application relating to heat treatment of iron-carbon compositions described one step as "cooling rapidly to about 1000° F." and as "quick cooling in air to a temperature of from 900 to 1100° F.," and the step thus described did not distinguish from the prior art, *Held* that an amendment to the specification by which applicant attempted to define the critical term "cooling" to distinguish from the prior art, was inconsistent with his original disclosure and embraced new matter.

2. PATENTABILITY—CLAIMS MUST DISTINGUISH FROM PRIOR ART.

"We have recognized that the policy of our patent laws has been to favor invention and reward the inventor, but we must also recognize the legal requirement that one claiming an invention is required to define it in terms which distinguish from prior art."

3. SAME—HEAT TREATMENT OF IRON-CARBON COMPOSITIONS.

Claims of application for heat treatment of iron-carbon compositions *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Harry C. Alberts for Davidson.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

Appellant brings before us for review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting all the claims of appellant's application for patent "For Heat Treatment of Iron-Carbon Compositions."

Twenty-three claims numbered, respectively, 18 to 24, inclusive, and 26 to 41, inclusive, are involved.

In the oral argument before us appellant suggested claim 23 as being typical. It reads:

23. A method of treating forgings to soften the same which consists in taking the hot forgings directly or as conveniently as possible from the forging press, then introducing them into a furnace previously set at a temperature equivalent to its AC2 up to and slightly above its AC3 range, holding same until the temperature is substantially uniform, *then removing them to the room atmosphere to drop the temperature moderately to quickly for a short period but never below 1050°, then placing them into a furnace set at 950° to 1050° F. within the temperature range of formation of a soft structure in the material, holding the forgings at this temperature for uniformity,* and then quenching immediately in a liquid bath below 800° F. without reheating. [Italics ours.]

It is claimed by appellant that the limitations of claim 23 above italicized appear, in substance, in each of the other claims, and these comprise the subject matter which has been emphasized before us.

During the prosecution of the application in the Patent Office certain grounds of rejection were applied to some claims which led to their amendment (by permission of the Supervisory Examiner) in a manner that eliminated such grounds. So (with the exception of claim 32, rejected as being vague and indefinite), the only ground of rejection before us for consideration is that of non-patentability in view of two patent references cited, viz.: Sheldon, 1,854,629, April 19, 1932; Bain et al., 1,924,099, August 29, 1933.

With respect to the Sheldon patent, it may be said at this point that it appears to have been cited solely with respect to a limitation in certain of the claims defining a final step of pickling or quenching in acid and that appellant's brief recites that he "does not rely upon the final step of quenching in an acid as a differentiating feature." So, it is unnecessary to consider further the disclosures of the Sheldon reference.

It is observed that practically all of the appealed claims recite the thought expressed in the introductory paragraph of claim 23, supra, to the effect that appellant's method is one for softening the metal treated, and it is the contention of appellant that the Bain et al. patent relates to a method of hardening steel and the resulting hardened product, which is "the antithesis of applicant's objective and resultant."

In appellant's specification it is said that his—

"treatment can be carried out in as short a time as 9 minutes as compared with the usual 6 hours annealing practice of the prior art, although more time will be required depending upon the cross-section and the mass of the steel being treated * * *."

It will be observed that claim 23, supra, after defining the heating process requires the removal of the metals being treated from the furnace to "the room atmosphere to drop the temperature *moderately to quickly* * * *." [Italics ours.] In other of the claims different phrases are substituted for "moderately to quickly," as, for example, in claim 28, which the Board quoted as representative, where the expression is "cooling moderately to rapidly." As has been stated, appellant claims that the thought expressed in such phrases is present in all the appealed claims and his brief before us most frequently uses the phrase "rapidly cooling" or "rapid cooling." Neither of the Patent Office tribunals seem to have made any distinction between the several claims so far as this thought is concerned, nor is it necessary under the view which we take of the case that we do so.

While appellant earnestly contends that there was error on the part of the tribunals below in the construction placed upon his application and claims, we do not find any challenge as to the accuracy of the statements of these tribunals defining the disclosure of the Bain et al. patent. This disclosure was stated by the Examiner as follows:

Steel articles are hardened by heating above the critical point for the steel and then cooled rapidly as by quenching in a metal bath or by an air blast to the desired temperature that will produce the structure desired and held at this point until conversion is complete. The article is then cooled in any of the well known ways for example in air, water, or oil. From the curves in Figure 3 with the desired hardness known it can be determined at what temperature the conversion should take place and then from curves in Figure 2 for the same steel the time of conversion or the time for holding at the particular temperature can be determined. The steel article may then be cooled in the desired manner as taught by Bain. If the steel is of different composition than that shown in the curves, then similar curves can be made up in the same way.

Bain also discloses that the carbon steels transform to pearlite on being held at the temperature of 900°–1200° F. In other words, a steel being heated above the critical and rapidly cooled to a temperature between 900–1200° F. and held at this temperature the steel will become pearlitic or soft. The zones for hardness and softness so produced as described above depend upon the composition and the one zone merges into the other.

The Board stated:

The main reference against the claims is the Bain patent. Bain discloses a process for hardening steel. It comprises heating the steel strip in a furnace to a temperature above the critical point. The strip is then passed through a hardening bath. Bain discloses curves in Fig. 3 which indicate the temperature at which conversion of the steel takes place. Fig. 2 shows curves giving the time required for conversion. Bain discloses that carbon steels are transformed to pearlite on being held at 900–1200° F. Hence if the steel is heated above the critical point and rapidly cooled to a temperature of 900–1200° F. and held at this temperature, the steel will become pearlitic or soft. After the steel has been treated, it is quenched or cooled to ordinary temperature.

The Examiner declared:

Applicant has not attempted to show that there is any difference in the method steps recited in the claims and that disclosed by the art. The use of the words quenching or cooling rapidly must be given their normal meaning, and not any peculiar meaning which is contrary to their normal meaning as understood by those skilled in the art. Applicant is obviously not entitled to a broad construction of his disclosure, while at the same time urging a restricted construction of the art. Bain clearly and distinctly discloses the steps claimed and the principal objection offered by applicant is that he softens, whereas Bain hardens, but this is insufficient to distinguish. Applicant objects to Bain as a hardening process but it is not seen wherein the process or the material treated is substantially different. If different results are obtained, then it is evident that the disclosure does not teach the precise manner of obtaining them. If the process applied to other steels than those referred to in Bain produces different results, it is apparent that applicant neither discloses nor claims the significant distinction. If Bain was misinformed and his teachings are inaccurate, it is incumbent upon applicant to prove this conclusively, and this applicant has failed to do.

In view of appellant's criticism relative to the construction placed upon his disclosure and claims by the tribunals of the Patent Office, it is proper to quote the following from his specification as originally filed on July 5, 1934:

The process of my invention comprises the treatment of steel or its alloys by heating above the Ac2 point, cooling rapidly to about 1000° F., stabilizing the temperature at this level and then quenching. The process may be specifically carried out by heating the steel to a point within the range slightly above Ac2 to above Ac3, quick cooling in air to a temperature of from 900 to 1100° F., stabilizing at this level in another furnace until uniform throughout, and then quenching in oil, acid, brine, water, or lead below 700° F.

It appears that after various rulings while the case was being prosecuted before the Examiner in the Patent Office, appellant on October 1, 1937, proposed a number of amendments, including one to the original specification which consisted of a number of paragraphs, the particular paragraph here pertinent reading:

The word "rapidly" is employed in this disclosure only as a relative expression and not to mean an act of quickly reducing temperature by quenching, but rather to indicate lowering of the temperature relatively faster than in known and usual annealing practices or the reduction in temperature by normal means such as air cooling from the temperature at which by natural sequence total equality of all constituents occur and never near or at its Ac1, 2 or 3 criticals. The word "stabilize" is intended to define that the pieces should be of uniform temperature when quenched at the preferred temperatures, namely, from 800° F. to 1025° F. It is not intended that the temperature of 800° F to 1025° F. need be held for any period other than to insure temperature uniformity.

The amendment was accompanied (in addition to the supplemental oath) by an affidavit of applicant relative to various technical matters.

In the letter of the Examiner of November 26, 1937, responsive to the amendment, it was said:

* * * The last paragraph of the amendment [that above quoted] * * * attempts to set up a particular definition for the "rapidly cooling" which is not in accordance with the accepted definition of such words. Applicant cannot now avoid a reference by merely setting up a definition of a word contrary to the accepted meaning of the word. This paragraph is required to be cancelled as without support in the original disclosure. Furthermore the range of 800–1025° F. is not disclosed in the original disclosure recited in the last paragraph.

In the appeal to the Board error was assigned as to the Examiner's holding, and in his statement, dated May 31, 1938, following the appeal, it was said:

The affidavit of Oct. 1, 1937 was carefully considered but what has been said above can only be reiterated. Applicant by now asserting that he does not want to quench from the critical temperature down to 900 to 1050° F. cannot change the original disclosure. Applicant by changing the definition of a phrase commonly used from one of normal use to one to satisfy his treatment and to produce his result when such was not supported by the original disclosure is not deemed to have fully pointed out his invention. The mere fact that applicant stated he could also cool slowly as well as rapidly is not deemed to have changed the circumstances as applicant has stated that either method may be used.

Thereafter appellant filed a motion for reconsideration before the Examiner and presented therewith an affidavit of his counsel relating to "Austempering" and "Revolutionary Heat Treatment," as set forth in a publication entitled "U. S. Steel News

of October 1938." In this affidavit it was asserted that the process defined in the publication

"is precisely the same and embodies the identical teaching constituting the primary subject matter of the instant patent application and the claims now on appeal"

and that it was set forth in the article that the "'austempering' process was the result of seven years of research • • •."

From the foregoing it was argued in the affidavit, in substance, that the Bain et al. patent (possessed by the U. S. Steel Corporation) did not contain the disclosure of appellant's application since it

"would not have required seven years of research to arrive at the same result described in this patent application and claimed therein."

In a supplemental statement the Examiner replied to the foregoing as follows:

It is personally known to the Examiner and so considered in the art as shown by the following publications:

Davenport: Austempering, published in Heat Treating and Forging, 1937, Vol. 23, April, pages 170 and 171.

Davenport: Heat Treatment of Steel by Direct Transformation from Austenite, published in Steel, Vol. 100, March 29, page 42.

Copies in the U. S. Patent Office.

that the "austempering" process is that covered by Bain Patent 1,924,699, Aug. 29, 1933, and relied upon in the instant case as the main reference. The similarity of the "austempering" process described on page 7, column 2, of the U. S. Steel News of October, 1928, marked Exhibit 1 may also be seen by comparing the description in the U. S. Steel News with the Bain patent. U. S. Steel News recites that the steel is quenched in a bath of molten lead or salt maintained at the desired temperature. Bain in Figure 1 shows this quenching and at page 2, lines 49–51 states that the bath 2 is maintained at the desired temperature. The U. S. Steel News recites that the steel is held in the bath until the transformation is complete. Bain at page 2, lines 85–91 recites the holding in the bath for a time for the entire conversion to take place and in each of the method claims it is recited the holding of the steel at the quench temperature until substantial conversion has taken place. The conversion on transformation has the same meaning.

Upon the point of new matter, the Board said:

It is also our view that the portion of the amendment of October 1, 1937, referred to by the Examiner contains new matter and as it gives the claims a different scope from the original specification, the claims cannot be allowed for that reason.

We have stated the contentions on behalf of appellant and the holdings of the tribunals of the Patent Office upon what we consider to be the critical point of this controversy with particularity. It is quite clear to us that appellant's disclosure in the application as originally filed does not distinguish in any patentable sense from the disclosure of the Bain et al. patent. This would seem to be conceded by appellant's act in seeking to amend by inserting a definition of "rapidly," and the decision must turn upon his right so to amend. His right to amend depends, as of course, upon whether the amendment involves new matter.

It was the contention of appellant before the tribunals below and it is his contention here that "an inventor can be his own lexicographer," and here he contends that it was reversible error for the Examiner to require cancellation of his amendatory matter. Various decisions of different courts are cited in which issued patents have been upheld by placing limited constructions upon phrases appearing in claims so as to interpret such claims in the light of the disclosures of the original specification. In other words, claims of issued patents have been interpreted narrowly or broadly in many cases in order to avoid the effect of prior art and sustain the patent. We do not, however, find any case in which it has been permitted an applicant to amend his specification by the insertion therein of matter inconsistent with his original specification under the guise of defining or interpreting a critical term so as to give that term a meaning different from its ordinary meaning to those skilled in the applicable art. That, it appears to us, is what appellant here sought to do by the particular language under discussion.

[1] [2] [3] Upon the surface it would appear from the record that appellant may have made a valuable contribution to an important industrial art, and our approach to his case has not been unsympathetic. We have recognized that the policy of our patent laws has been to favor invention and reward the inventor, but we must also recognize the legal requirement that one claiming an invention is required to define it in terms which distinguish from prior art. Appellant failed to do this in his original application and when he attempted to distinguish by an amendment defining a critical term he offered an amendment which was inconsistent with his original disclosure. Hence, the amendment embraced new matter, as was held below.

The additional ground of vagueness applying solely to the rejection of claim No. 32 requires no discussion since it was also rejected upon the ground of anticipation applicable to all the other claims.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PARSONS

Nos. 4,362, 4,363, and 4,364. Decided December 9, 1940

[115 F.(2d) 928]

1. PATENTABILITY—DRIED GELATIN PRODUCT AND METHOD OF MANUFACTURING IT.

   Claims for dried gelatin product and certain claims for the process of manufacturing it *Held* unpatentable in view of the prior art.

2. SAME—ICE CREAM PRODUCT AND METHOD OF MANUFACTURING IT.

   Claims for an ice cream product and claims for the process of manufacturing it *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Norbert E. Birch (*Mr. R. G. Story* of counsel) for Parsons.

Mr. W. W. Cochran and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *P. J.*:

These are appeals from decisions of the Board of Appeals of the United States Patent Office affirming decisions of the Examiner rejecting all of the claims in each of the involved applications.

The application, Serial No. 116,987 (filed December 21, 1936), involved in appeal No. 4,362, is entitled "For Gelatin Product"; that in appeal No. 4,363, Serial No. 165,529 (filed September 24, 1937), is entitled "For Modified Gelatin" and recites that it "is a continuation in part" of application, Serial No. 116,987; that in appeal No. 4,364, Serial No. 134,187 (filed March 31, 1937), is entitled "For Ice Cream" and recites that it "is a division" of Serial No. 116,987.

In the brief for appellant it is said:

The issues in appeals Nos. 4,362 and 4,363 are substantially identical, the subject matter of the appealed claims of the former being generic to the subject matter of the appealed claims of the latter. The issues of appeal No. 4,364 are patentably related to the issues involved in either of the other two appeals.

• • • •

agent might be intermixed with the material which is to be dispersed, that the more effective would be its action and further, it appears obvious that by mixing the dispersing agent with the liquid gelatin mixture before evaporation such thorough mixture would be secured. It seems that no more than this relatively simple and obvious proposition is involved in this case and that the application of such principle does not involve invention.

We have carefully considered the extended discussion presented by the brief and while we concede that the exact details of the claims are not anticipated by the prior art, it is our view that no showing amounting to patentable invention has been presented.

[1] It is evident from the respective decisions below that the case was argued there by appellant upon the same basis followed in the presentation before us and that each of the arguments was fully considered. We, in turn, have given them careful analysis and feel constrained to agree that no patentable matter is present in the claims.

In his decision the Examiner cited decisions of this court in support of the principle that the mere change of a product from a liquid to a dry state does not involve invention, the cases being *In re Matthew Green and Elmer M. Jones*, 18 C. C. P. A. (Patents) 124, 48 F.(2d) 933, 411 O. G. 276; and *In re Bates*, 24 C. C. P. A. (Patents) 998, 88 F.(2d) 486, 483 O. G. 237. He also cited the case of *In re Nelson*, 25 C. C. P. A. (Patents) 1294, 97 F.(2d) 601, 497 O. G. 277, in which it was held that claims calling for liquid ingredients were not patentable over references showing the ingredients in a dry state.

The principle seems to be well established, but appellant urges that it is not applicable here and seeks to distinguish the facts of this case from the facts appearing in the cited cases. We recognize the differences. The Roth et al. patent does not disclose a premixed product in liquid form embracing the ingredients of appellant's dried product but, as has been stated, shows the introduction of those ingredients separately in producing the ultimate composition sought, and the emulsion, or liquid product, of the Schrader patent embraces ingredients additional to those embraced in appellant's claims.

Notwithstanding these differences, however, we think the principle is applicable here. It may not be overlooked that, as pointed out below, it is common to dry gelatin, and dried gelatin is a well known commercial product. We are unable to agree that it involved invention to dry the product created by mixing gelatin and well known esters.

The decision of the Board of Appeals is affirmed.

Appeal No. 4363—Serial No. 165,529

Four claims numbered, respectively, 7, 8, 10, and 11 are involved in this appeal, the first two being for the product and the last two for the process. As illustrative, we quote Nos. 7 and 11:

7. Dried gelatin containing a substance selected from the group consisting of diacid ester of a higher fatty acid glycerol and higher fatty acid monoacid ester of diethylene glycol.

11. The process of manufacturing an improved dried gelatin product which comprises adding to gelatin liquor and incorporating therewith diacid ester of a higher fatty acid and glycerol and thereafter drying.

In this case, as in appeal No. 4262, the Examiner rejected all the claims in the first instance upon the ground of aggregativeness, and this ground was overruled by the Board. The Examiner also rejected the claims (and this ground was sustained by the Board) as presenting nothing patentable over the patents cited as prior art in appeal No. 4262, to wit: Roth et al., 2,065,398, December 22, 1936; Schrader, Re. 20,361, May 11, 1937.

Since it is agreed that the material issues respecting these claims are substantially identical with the issues respecting the claims in appeal No. 4362, supra, we need do no more than refer to our decision there.

The decision of the Board affirming the rejection of the claims by the Examiner is affirmed.

Appeal No. 4364—Serial No. 134,187

In this appeal are involved eight claims numbered, respectively, 1, 2, 3, 4, 7, 8, 9, and 12. All of them relate to an ice cream product and the method of preparing same, such method being the use of the modified dried gelatin product defined in the claims of companion appeals Nos. 4362 and 4363. All the claims in this appeal are illustrated by claims 1 and 2, which read as follows:

1. As an article of manufacture, an improved ice cream product containing a small percentage of a dried admixture of gelatin and an ester of a polyhydric alcohol and a higher fatty acid being characterized by having one or more free alcoholic hydroxyl groups in the polyhydric alcohol part of the ester.

2. The process of manufacturing an improved ice cream product which comprises adding thereto and dissolving therein a dried admixture of gelatin and an ester of a polyhydric alcohol and a higher fatty acid being characterized by having one or more free alcoholic hydroxyl groups in the polyhydric alcohol part of the ester.

Here, as in the other cases, the Examiner first rejected all the claims as being aggregative, and the Board reversed as to that ground. The Examiner also rejected upon prior art and the Board affirmed as to that ground, the reference patents cited being: Roth et al., 2,065,398, December 22, 1936; Harris et al., 2,052,028, August 25, 1936.

The pertinent disclosures of the Roth et al. patent have been recited in our decision in appeal No. 4362, supra, and need not be repeated here.

With respect to the pertinent disclosures of the Harris et al. patent, the Examiner said:

* * * On page 3, column 2, line 27, there is shown the use of gelatin with the esters. On page 1 of the patent there is a comprehensive disclosure of the value of using the esters conjointly with hydrophyllic colloids, of which gelatin is given as an example. Harris et al. states that the mixture may be used in various edible emulsions. Ice cream is a well known edible emulsion.

The Examiner then added:

Obviously the Roth process could be modified to the extent of the Harris et al. teaching, to add the gelatin and the esters together. Such procedure would appear to be desirable, moreover, in view of the fact that the esters and the gelatin function as stabilizers.

The Board discussed the question in more general terms, but said:

While it is appreciated that these [the patent references] citations fail to disclose a premixed, dried gelatin and dispersing agent, it is our conclusion that the claims represent nothing more than is obvious and would be expected beforehand in employing such premixed material. It is believed to involve no more than the principle that the more thoroughly the dispersing agent is mixed with or incorporated with the material such as gelatin which is to be dispersed, that the more effective will be the dispersing action. It is our conclusion that the application of this principle in this case does not constitute invention.

[2] We recognize the fact that patentability might reside in the use in an ultimate product, such as ice cream, of a mixture or ingredient not itself patentable if it were shown that some new and unexpected result was attained, and have considered the claims here involved with that in view.

We fail to find any showing of record which justifies the conclusion that appellant has attained any such new and unexpected result.

We, therefore, find ourselves in agreement with the decision of the Board and the same is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

2,082,490, B. J. Goldsmith, Displaying and dispensing means for narrow fabrics, D. C. N. J., Doc. E 5855, *General Ribbon Mills, Inc.*, v. *R. G. Buser Silk Corp.* Stipulation and order of discontinuance Dec. 16, 1940.

2,091,610, W. W. Petnoe, Refractory products and preparation of same, filed Feb. 7, 1941, D. C., E. D. Mo. (St. Louis), Doc. 710, *Basic-Dolomite, Inc.*, v. *Valley Dolomite Corp.*

2,105,306, I. D. Wolfson, Four-in-hand tie, D. C., S. D. N. Y., Doc. 9/467, *The Ingenuities Corp. of America et al.* v. *The May Dept. Stores Co.* Order (notice Jan. 28, 1941).

2,111,483, C. E. Trube, Electric coupling system, filed Jan. 30, 1941, D. C., S. D. Ohio, W. Div., Doc. 274, *Hazeltine Corp.* v. *The Crosley Corp.*

2,169,769, W. F. Regenhardt, Cabinet construction, D. C., N. D. Ohio, E. Div., Doc. 20288, *The Steel Storage File Co.* v. *Transfer Files, Inc., et al.* Dismissed without prejudice Feb. 4, 1941.

2,172,883, P. Wege, Combined billfold and keyholder, D. C. N. J., Doc. 964, *Amity Leather Products Co.* v. *Seco Leather Products Co. et al.* Dismissed Nov. 12, 1940.

2,176,406, G. W. McCullough, Heat exchanger tube support, filed Jan. 29, 1941, D. C., N. D. Okla., Doc. 520, *J. A. Coy Co., Inc.*, v. *R. W. Drake Co.*

2,176,826, T. B. Terry, Negligee pants, filed Jan. 30, 1940, D. C., N. D. Ill., E. Div., Doc. 2564, *T. B. Terry* v. *Wilson Bros.*

2,183,990, F. P. Dunn, Coupling apparatus, filed Feb. 6, 1941, D. C. Oreg. (Portland), Doc. 593, *Utility Trailer Mfg. Co.* v. *Premier Mfg. Co.*

2,209,546, J. A. Flanzer, Condenser, filed Jan. 24, 1941, D. C. N. J., Doc. 1361, *Electro Motive Mfg. Co., Inc.*, v. *Automatic Winding Co., Inc.*

2,215,230, W. Rabkin, Supply container for photographic plates for automatic photographic machines, D. C., S. D. N. Y., Doc. 11/229, *International Mutoscope Reel Co., Inc.*, v. *Positive Frame Co.* Consent judgment (notice Feb. 4, 1941).

2,230,872, O. Turinsky, Smoking pipe, filed Feb. 6, 1941, D. C., N. D. Ill., E. Div., Doc. 2596, *O. Turinsky* v. *J. Starrels.*

Re. 19,744, H. A. Wheeler, Volume control, filed Jan. 30, 1941, D. C., S. D. Ohio, W. Div., Doc. 273, *Hazeltine Corp.* v. *The Crosley Corp.*

Des. 101,214, I. Geist, Blouse, D. C., S. D. N. Y., Doc. E 85/321, *Mitchell & Weber, Inc.*, v. *National Blouse Corp.* Dismissed for lack of prosecution Jan. 21, 1941.

Des. 104,405, D. Rheinauer, Knitted two-piece dress, D. C., S. D. N. Y., Doc. E 87/349, *New York Knitting Mills, Inc.*, v. *Bermuda Knitwear Corp. et al.* Consent decree as to Bermuda Knitwear Corp. May 26, 1939. Dismissed for lack of prosecution Jan. 21, 1941.

Des. 106,276, I. Berman, Slipper, D. C., S. D. N. Y., Doc. 6/393, *Melrose Slipper Co., Inc.*, v. *Eastern Footwear Corp.* Order (notice Jan. 29, 1941).

Des. 107,606, A. Waxberg, Dress, D. C., S. D. N. Y., Doc. E 86/184, *G. W. Cohen Corp.* v. *Lombardy Frocks, Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 107,727, V. Rose, Dress, D. C., S. D. N. Y., Doc. E 86/225, *Zuckerman & Rubin, Inc.*, v. *Blue Comet Dress Co., Inc.* Dismissed for lack of prosecution Jan. 21, 1941.

Des. 107,732, V. Tomshinsky, Dress, D. C., S. D. N. Y., Doc. E 87/159, *A. S. Gross, Inc.*, v. *Abrams & Norman, Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 107,733, V. Tomshinsky, Dress, D. C., S. D. N. Y., Doc. E 86/278, *A. S. Gross, Inc.*, v. *Loma Dress Co., Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 108,626, R. A. Norton, Floral display stand, D. C., S. D. N. Y., Doc. E 87/188, *Universal Novelty Products Co.* v. *Creative Art Products Co.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 109,547, T. Coleman, Dress, D. C., S. D. N. Y., Doc. E 87/180, *A. S. Gross, Inc.*, v. *Abrams & Norman, Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 112,499, M. Frumkin, Dress, D. C., S. D. N. Y., Doc. 2/69, *Michael Shulkin & Co., Inc.*, v. *Elect Dress Co., Inc.* Consent judgment (notice Jan. 28, 1941).

Des. 115,108, P. Fracchia, Dress, D. C., S. D. N. Y., Doc. 4/224, *Rosenthal & Kalman* v. *Littman's Thirty-fourth Street Corp.* Doc. 4/225, *Rosenthal & Kalman* v. *Dandy Dress, Inc.* Consent judgment Jan. 31, 1941, in both cases.

Des. 116,075, H. Zuckerman, Coat, D. C., S. D. N. Y., Doc. 5/494, *Dave Bellsey Co., Inc.*, v. *Smith, Glickman & Abrams, Inc.* Consent judgment (notice Feb. 7, 1941).

Des. 116,124, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 6/43, *Flora Dress Co.* v. *Sol Horowitz Dress Corp.* Stipulation of discontinuance (notice Jan. 31, 1941).

Des. 116,125, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 5/269, *Apex Dress Co., Inc.*, v. *Lansing Dress Co., Inc.* Consent judgment (notice Jan. 30, 1941).

Des. 116,640, M. Solash, Hat, D. C. N. J., Doc. 1245, *M. Solash* v. *New Jersey Hat Corp.* Judgment for injunction Dec. 30, 1940.

Des. 117,037, E. L. Espen, Textile fabric, D. C., S. D. N. Y., Doc. 6/257, *E. L. Espen et al.* v. *Doblin Corp. et al.* Consent judgment (notice Jan. 29, 1941).

Des. 117,135, M. Verrand, Dress, D. C., S. D. N. Y., Doc. 6/362, *Neufeld-Furst & Co., Inc.*, v. *Epstein Garment Co., Inc.* Stipulation of discontinuance Feb. 3, 1941.

Des. 117,877, F. Perlberg, Dress ensemble, D. C., S. D. N. Y., Doc. 6/436, *Fred Perlberg, Inc.*, v. *Lovejoy Formals, Inc.* Consent order of discontinuance Feb. 5, 1941.

Des. 118,201, H. Bonn, Reversible embroidered collar, filed Oct. 9, 1940, D. C. N. J., Doc. 1191, *H. B. Novelty Co., Inc.*, v. *Dalesta Mfg. Co., Inc.*

Des. 118,802, W. F. Breuss, Lace collar, D. C. N. J., Doc. 1025, *W. F. Breuss* v. *Audrey Embroidery Co.* Discontinued Jan. 29, 1941.

Des. 119,141, C. Frankel, Dress, D. C., S. D. N. Y., Doc. 7/486, *Navarre Frocks, Inc.*, v. *Victoria Dress Co., Inc.* Stipulation of discontinuance (notice Feb. 10, 1941).

Des. 122,352, S. Ancell, Dress, D. C., S. D. N. Y., Doc. 10/356, *Sol Disick, Inc.*, v. *Lansing Dress Co., Inc.* Consent order of discontinuance Feb. 4, 1941.

Des. 122,851, C. M. Neuhardt, Dress, D. C., S. D. N. Y., Doc. 12/13, *Welby Dresses, Inc.*, v. *Massoe Frocks, Inc.* Consent judgment (notice Jan. 30, 1941).

Des. 123,619, N. Kaback, Dress, D. C., S. D. N. Y., Doc. 11/500, *Headline Frocks, Inc.*, v. *Rudell Frock Co.* Consent order of discontinuance Feb. 3, 1941.

Des. 124,006, S. Novak, Dress, filed Jan. 30, 1941, D. C., S. D. N. Y., Doc. 12/443, *Flora Dress Co.* v. *Berell Frocks Co., Inc.*

Des. 124,367, L. Schwartzberg, Textile fabric, D. C., S. D. N. Y., Doc. 12/409, *C. R. Hellman, Inc.*, v. *Willow Fabrics, Inc.* Consent order (notice Feb. 7, 1941).

Des. 124,908, M. M. Schwalbaum, Dress, D. C., S. D. N. Y., Doc. 12/394, *Brenda Frocks, Inc.*, v. *Feinberg-Weisen, Inc.* Consent judgment (notice Feb. 7, 1941).

Des. 124,925, S. Reich, Dress, filed Jan. 31, 1941, D. C., S. D. N. Y., Doc. 12/446, *Franklin Dress Co., Inc.*, v. *Phil Zahn & Co.* Same, filed Feb. 3, 1941, D. C., S. D. N. Y., Doc. 12/462, *Franklin Dress Co., Inc.*, v. *Abrams & Norman, Inc.* Same, filed Feb. 7, 1941, D. C., S. D. N. Y., Doc. 12/494, *Franklin Dress Co., Inc.*, v. *Lombardy Dresses, Inc.*

T. M. 57,887, Folmer & Schwing Co., Photographic camera, filed Jan. 29, 1941, D. C., N. D. Ill., E. Div., Doc. 2558, *The Folmer Graflex Corp.* v. *Bulk Film Co.*

T. M. 156,597, Ludwig & Ludwig, Drums, drummer's traps, xylophones, bells, whistles, etc., filed Jan. 8, 1941, D. C., N. D. Ill., E. Div., Doc. 2498, *C. G. Conn, Ltd., et al.* v. *W. F. Ludwig.*

Adjudicated Patents

(D. C. Mich.) Goodrich patent, No. 1,285,129, for multicylinder engine, claims 1, 2, and 3 *Held* valid and not infringed. *Goodrich* v. *Ford Motor Co.*, 36 F. Supp. 548.

(C. C. A. Ill.) Powell patent, No. 1,928,264, for heat insulating product and method of forming same, claims 1 and 7 *Held* invalid. *Johns-Manville Corporation* v. *Ludowici-Celadon Co.*, 117 F.(2d) 199.

(C. C. A. Ill.) Powell patent, No. 1,948,395, for apparatus for producing rock wool products, claim 5 *Held* invalid. *Id.*

(D. C. Ohio.) Gwynn patent, No. 2,009,549, for vulcanizing device, claims 2, 3, and 4 *Held* valid and infringed. *Gwynn* v. *Ranco, Inc.*, 36 F. Supp. 584.

(C. C. A. Ill.) Powell patent, No. 2,055,446, for treated fibrous material, claims 1, 3, and 5 to 7 *Held* invalid. *Johns-Manville Corporation* v. *Ludowici-Celadon Co.*, 117 F.(2d) 199.

(C. C. A. Iowa.) Hansen patent, No. 2,082,832, for machine for producing and re-sharpening cutter blades, *Held* invalid. *Simmons* v. *Hansen*, 117 F.(2d) 49.

(C. C. A. Ill.) Powell reissue patent, No. 19,627, for process of making felted mineral fiber, claims 7 and 8 *Held* invalid. *Johns-Manville Corporation* v. *Ludowici-Celadon Co.*, 117 F.(2d) 199.

(C. C. A. Mich.) Wheeler reissue patent, No. 19,744, for volume control, *Held* valid and infringed. *Detrola Radio & Television Corporation* v. *Hazeltine Corporation*, 117 F.(2d) 238.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,836,735, E. D. Tillyer, Crystal oscillator, decided December 18, 1940, claims 1 and 2.

Pat. 2,179,333, C. B. Horsley, Voltage control means for X-ray apparatus, decided March 3, 1941, claim 2.

Pat. 2,159,762, B. F. Hartwell, L. L. Hartwell, and A. F. Hartwell, Preparing and premolding heel and quarter portions of boots and shoes, decided February 18, 1941, claim 1.

Pat. 2,158,645, L. E. Willard, Shock absorber packing and sealing structure, decided January 21, 1941, claims 1, 2, 3, and 5.

Trade-Mark Registrations Canceled

148,779. Certain named oils and greases. American Pacific Company, Inc., San Francisco, Calif. Registered November 29, 1921. Canceled March 14, 1941.

178,280. Dry goods. The Farley Harvey Company, Boston, Mass. Registered January 8, 1924. Canceled March 14, 1941.

295,471. Hats. Kneale, Inc., New York, N. Y. Registered July 5, 1932. Canceled March 14, 1941.

318,517. Distilled alcoholic liquors. Jos. S. Finch & Company, New York, N. Y. Registered October 30, 1934. Canceled March 14, 1941.

327,200. Distilled alcoholic liquors. Jacob S. Polefsky, doing business as Continental Pure Products Co., Jersey City, N. J. Registered August 20, 1935. Canceled March 14, 1941.

Disclaimers

1,926,228.—*Lancaster P. Clark, Jr.*, South Norwalk, Conn. ELECTRICAL PLUG DEVICE. Patent dated September 12, 1933. Disclaimer filed March 13, 1941, by the assignee, *Electric Plug, Inc.*

Hereby enters this disclaimer to claims 1, 5, and 6 in said specification.

1,955,327.—*Hiller D. Dorfman*, Mansfield, Ohio. CIRCUIT BREAKER. Patent dated April 17, 1934. Disclaimer filed March 20, 1941, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 2, 5, and 6 of the patent.

1,966,286.—*Hiller D. Dorfman*, Mansfield, Ohio. CIRCUIT BREAKER. Patent dated July 10, 1934. Disclaimer filed March 20, 1941, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 5, 6, and 9 of the patent.

1,979,958.—*Lancaster P. Clark, Jr.*, Fairfield, Conn. ELECTRICAL PLUG DEVICE. Patent dated November 6, 1934. Disclaimer filed March 13, 1941, by the assignee, *Electric Plug, Inc.*

Hereby enters this disclaimer to claims 1, 4, 6, and 7 in said specification.

2,078,757.—*Carl G. Flygare*, Worcester, Mass. GRINDING MACHINE TABLE RECIPROCATING MECHANISM. Patent dated April 27, 1937. Disclaimer filed March 12, 1941, by the assignee, *Norton Company.*

Hereby enters this disclaimer to claims 1, 2, and 3 in said specification.

2,129,779.—*Harry J. Nichols*, Binghamton, and *Henry L. Tholstrup*, Endwell, N. Y. COMMUNICATION SYSTEM. Patent dated September 13, 1938. Disclaimer filed March 15, 1941, by the assignee. *International Business Machines Corporation.*

Hereby enters this disclaimer to claims 1 to 6 inclusive, and claims 8, 9, and 11.

2,145,273.—*Floyd C. Peterson*, Syracuse, N. Y., and *Arthur J. Barry*, Midland, Mich. PREPARATION OF CELLULOSE ETHERS. Patent dated January 31, 1939. Disclaimer filed March 12, 1941, by the assignee, *The Dow Chemical Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 6 of the above-identified patent.

2,155,475.—*Walter Dieterle*, Dessau, Germany. SENSITIZING SILVER HALIDE EMULSIONS. Patent dated April 25, 1939. Disclaimer filed March 14, 1941, by the assignee, *General Aniline & Film Corporation.*

Hereby enters this disclaimer to claim 1 of the above patent.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 8, 1941

[VOL. 525. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 437,889. AMERICAN TISSUE MILLS, Holyoke, Mass. Filed Nov. 15, 1940.



Applicant disclaims "Moderne" apart from the mark.
FOR PAPER PLATES.
Claims use since Nov. 1, 1937.

Ser. No. 440,391. SHOE FORM CO., INC., Auburn, N. Y. Filed Feb. 6, 1941.

RO-TOP

FOR BOXES OF CELLULOID OR SIMILAR MATERIAL FOR FLIES AND OTHER ARTICLES.
Claims use since Oct. 5, 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 440,055. PHOENIX MANUFACTURING COMPANY, Joliet, Ill. Filed Jan. 28, 1941. Under 10-year proviso.

BURDEN'S

FOR HORSE AND MULE SHOES.
Claims use since 1881.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 438,795. FINGER LAKES CHEMICAL COMPANY, INC., Ithaca and Etna, N. Y. Filed Dec. 13, 1940.

Lakeseal

FOR DETERGENTS (CLEANING, WATER SOFTENING, ETC.), SAID DETERGENT COMPOUNDS BEING USED PRIMARILY FOR CLEANING PURPOSES, FOR USE IN LAUNDRIES AND HAVING INCIDENTAL WATER SOFTENING PROPERTIES.
Claims use since June 29, 1940.

Ser. No. 439,062. MAX WEISS, doing business as Cleaning Specialists Co., Philadelphia, Pa. Filed Dec. 20, 1940.

Maxol

FOR COMPOSITION FOR CLEANING WOOD, STONE, METAL, COMPOSITION, AND PAINTED SURFACES.
Claims use since May 17, 1940.

Ser. No. 440,666. HARRY J. THEOBALD, doing business as The Theobald Industries, Kearny, N. J. Filed Feb. 14, 1941.

MERCURY

FOR SHAVING CREAM, AND LAUNDRY AND HOUSEHOLD SOAP IN FLAKE OR GRANULATED FORM.
Claims use since July 15, 1940.

Ser. No. 440,667. HARRY J. THEOBALD, doing business as The Theobald Industries, Kearny, N. J. Filed Feb. 14, 1941.

MERCURY

FOR SHAVING CREAM, AND LAUNDRY AND HOUSEHOLD SOAP IN FLAKE OR GRANULATED FORM.
Claims use since July 15, 1940.

Ser. No. 440,668. HARRY J. THEOBALD, doing business as The Theobald Industries, Kearny, N. J. Filed Feb. 14, 1941.

MERCURY

The drawing is lined for red.
FOR SHAVING CREAM, AND LAUNDRY AND HOUSEHOLD SOAP IN FLAKE OR GRANULATED FORM.
Claims use since July 15, 1940.

CLASS 5

ADHESIVES

Ser. No. 438,986. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J. Filed Dec. 18, 1940.

PERMACEL

FOR PRESSURE SENSITIVE ADHESIVE TAPES.
Claims use since June 7, 1932.

Ser. No. 440,540. THE BORDEN COMPANY, New York, N. Y. Filed Feb. 11, 1941.

CASCAMITE

FOR DRY POWDERED SYNTHETIC RESIN PLASTIC ADHESIVE.
Claims use since Dec. 28, 1940.

Ser. No. 440,894. UNITED PASTE & GLUE CORP., New York, N. Y. Filed Feb. 21, 1941.

BESTICK

FOR ADHESIVES—NAMELY, PASTES, GUMS, AND GLUES IN PASTE, LIQUID, DRY, AND CAKE FORM.
Claims use since Feb. 5, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 428,239. REESE AND LINEHAN, Portland, Oreg. Filed Feb. 5, 1940.



FOR HAIR OIL, HAIR QUININE, HAIR TONIC, HAIR SHAMPOO, FACE CREAM, SKIN OINTMENT, AND AFTER SHAVE LOTION.
Claims use since Aug. 11, 1939.

Ser. No. 435,241. DERMOTT, INCORPORATED, Chicago, Ill. Filed Aug. 22, 1940.



Dermott

The portrait is that of Dermott J. Quinn.
FOR HAIR CREAMS.
Claims use since Aug. 9, 1940.

Ser. No. 435,604. GEORGE L. BIERBOWER, Knierim, Iowa. Filed Sept. 3, 1940.

BO-MINT

No claim is made to the word "Mint" apart from the mark.
FOR PREPARATION FOR SINUS AND HEAD COLDS.
Claims use since May 7, 1940.

Ser. No. 436,645. RHEY LUCAS GIPSON, doing business as Fleet Feet Company, Miami, Fla. Filed Oct. 4, 1940.

FLEET FEET

FOR FOOT AND BODY POWDER.
Claims use since Sept. 5, 1939.

Ser. No. 439,124. ALOX CORPORATION, Niagara Falls, N. Y. Filed Jan. 6, 1941.

ALOX

FOR CHEMICAL COMPOUNDS ADAPTED FOR USE IN LUBRICATING OIL COMPOSITIONS FOR IMPROVING THE LUBRICITY OF LUBRICATING OILS; RUBBER COMPOUNDING MATERIALS—NAMELY, SOFTENERS; ANTI-CORROSION COMPOUNDS, AND WATER-REPELLENT COMPOUNDS, FOR INCORPORATION INTO PAINTS; TOXIC WATER-INSOLUBLE METALLIC SOAPS FOR USE IN MARINE AND SIMILAR PAINTS; CHEMICAL COMPOUNDS ADAPTED FOR USE IN LEATHER DUBBING AND FATLIQUORING COMPOUNDS, OLEAGINOUS COMPOUNDS FOR INCORPORATION INTO DETERGENT MATERIALS; AND COMPOUNDS FORMING BASES FOR PAPER SIZES AND PAPER COATING COMPOSITIONS.
Claims use since June 30, 1937.

Ser. No. 439,929. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Jan. 24, 1941.

DIVERSEY

EVERITE

FOR ACID SCALE SOLVENT IN LIQUID FORM.
Claims use since Dec. 24, 1940.

Ser. No. 439,971. NATIONAL ANTISEPTICS, INC., Seattle, Wash. Filed Jan. 25, 1941.

NIPICIDE

FOR THERAPEUTIC PRODUCTS COMPRISING AMEBOCIDES, ANTISEPTICS, BACTERIACIDES, DEODORANTS, DETOXICANTS, DISINFECTANTS, AND INSECTICIDES IN CRYSTALLINE, POWDER, TABLET, OR SOLUTION FORM.
Claims use since Oct. 1, 1940.

Ser. No. 440,030. THE J. R. WATKINS COMPANY, Winona, Minn. Filed Jan. 27, 1941.

EMBLEM

FOR PERFUMES, SCENTS, FRAGRANCES, COSMETIC POWDERS, COSMETIC CREAMS, COSMETIC SALTS, COSMETIC LOTIONS, COSMETIC OINTMENTS, COSMETIC LIQUIDS, COSMETIC APPLICATIONS, COSMETIC COLORS, AND COSMETIC EMBROCATIONS.
Claims use since Oct. 14, 1940.

Ser. No. 440,043. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed Jan. 28, 1941.

CRYSTAMET

FOR CRYSTALLINE ALKALI SILICATE USEFUL IN NEUTRALIZING ACIDS, CLEANING, OR THE MANUFACTURE OF SILICATED SOAPS OR DETERGENT COMPOUNDS.
Claims use since Nov. 23, 1940.

Ser. No. 440,049. LEDERLE LABORATORIES, INC., New York, N. Y. Filed Jan. 28, 1941.

CALCIUM BORO-HIBATE

No claim is made to the word "Calcium" apart from the mark. The drawing is lined for red.
FOR PHARMACEUTICAL PREPARATION FOR USE IN THE PREVENTION AND TREATMENT OF MILK FEVER, ECLAMPSIA AND OTHER CONDITIONS IN ANIMALS.
Claims use since Apr. 15, 1940.

Ser. No. 440,433. WEAR DRUG CO., Murray, Ky. Filed Feb. 7, 1941.

MELORINE

FOR SKIN LOTION.
Claims use since Dec. 14, 1923.

Ser. No. 440,458. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill. Filed Feb. 8, 1941.

COV·O·RITE

FOR GUM ARABIC SOLUTION USED TO PROTECT LITHOGRAPHIC PLATES WHEN NOT IN USE.
Claims use since Nov. 20, 1940.

Ser. No. 440,475. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Feb. 8, 1941.

COMBEVITA

FOR PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, WHETHER FOR ORAL (INCLUDING USE IN TABLETS AND CAPSULES) OR PARENTERAL ADMINISTRATION, INCLUDING VITAMIN-CONTAINING PREPARATIONS, INCLUDING VITAMIN B COMPLEX.
Claims use since Jan. 15, 1941.

Ser. No. 440,809. S. PFEIFFER MFG. CO., St. Louis, Mo. Filed Feb. 12, 1941.

ESPECOL

FOR STOMACHIC COMPOUND.
Claims use since Jan. 15, 1941.

Ser. No. 440,792. RULANE GAS COMPANY, Charlotte, N. C. Filed Feb. 19, 1941.

RULANE GAS SERVICE

Applicant disclaims the words "Gas Service" except in association with other features of the mark.
FOR LIQUEFIED PETROLEUM GASES.
Claims use since Jan. 1, 1931.

Ser. No. 440,874. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed Feb. 21, 1941.

Norplex

FOR VITAMIN PREPARATION.
Claims use since Feb. 13, 1941.

Ser. No. 440,902. THE ARMAND COMPANY, Des Moines, Ia. Filed Feb. 24, 1941.

PEARLS IN WINE

FOR FACE POWDER.
Claims use since Jan. 30, 1941.

Ser. No. 440,950. NORTHAM WARREN CORPORATION, Stamford, Conn. Filed Feb. 24, 1941.

BUTTERSCOTCH

FOR LIQUID NAIL POLISH.
Claims use since Feb. 19, 1941.

Ser. No. 440,951. NORTHAM WARREN CORPORATION, Stamford, Conn. Filed Feb. 24, 1941.

LOLLIPOP

FOR LIQUID NAIL POLISH.
Claims use since Feb. 11, 1941.

Ser. No. 441,036. ROSEMAN & EISENBERG, Baltimore, Md. Filed Feb. 26, 1941.

THIXOJEL

FOR MAGNESIUM SILICATE SUSPENSIONS FOR MEDICINAL PURPOSES.
Claims use since Dec. 28, 1940.

Ser. No. 441,099. THE MARKER PRODUCTS CO., New York, N. Y. Filed Feb. 27, 1941.

POLYSOL

FOR CHEMICALS FOR TREATING TEXTILE FIBRES.
Claims use since May 1, 1940.

Ser. No. 441,100. THE MARKER PRODUCTS CO., New York, N. Y. Filed Feb. 28, 1941.

WERFULL

FOR CHEMICALS FOR TREATING TEXTILE FIBRES.
Claims use since May 1, 1940.

Ser. No. 441,105. A. F. OSTERLOH, JR., doing business as Campbell Remedy Co., Los Angeles, Calif. Filed Feb. 28, 1941.

Calenthol

FOR PREPARATION FOR THE TREATMENT OF DISEASES OF NASAL, BRONCHIAL, AND OTHER AIR PASSAGES.
Claims use since 1916.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 417,935. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed Apr. 6, 1939.



Silhouette

The portrait is fanciful.
FOR TYPEWRITER RIBBON AND CARBON PAPER.
Claims use since Dec. 15, 1936.

Ser. No. 439,530. RIVET-O MANUFACTURING COMPANY, Orange, Mass. Filed Jan. 9, 1941.

SPEED-MO

FOR TYPEWRITER RIBBONS, CARBON PAPERS, AND INKS—NAMELY, STAMP PAD INKS, INDELIBLE INKS, DUPLICATOR AND HECTOGRAPH INKS, AND INKS FOR SPONGE RUBBER STAMP PADS.
Claims use since January, 1934, on typewriter ribbons and carbon paper; since March, 1922, on inks.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 417,774. PEASE WOODWORK COMPANY, INC., Cincinnati, Ohio. Filed Apr. 1, 1939.

Sharkskin

FOR REINFORCED BUILDING PAPER.
Claims use since Mar. 18, 1939.

Ser. No. 434,063. GOLCO SANITARY SYSTEM, INC., Philadelphia, Pa. Filed July 17, 1940.

CAPNOSE

FOR VITREOUS SINK TRIM AND TILE TRIM.
Claims use since May 1, 1940.

Ser. No. 438,830. A. D. CHAPMAN & COMPANY, INC., Chicago, Ill. Filed Dec. 14, 1940.

PERMATIZED

FOR LUMBER TREATED WITH A CHEMICAL SOLUTION FOR PROTECTION FROM ATTACK BY INSECTS AND FUNGI.
Claims use since Oct. 19, 1940.

Ser. No. 439,701. METROPOLITAN DETROIT BRICK DEALERS' ASSOCIATION, Detroit, Mich. Filed Jan. 15, 1941.

Perma-Color PERMA-COLOR BRICK 'THE SEAL OF Quality'

Disclaimer is made to the words "Brick," "Color," and "Quality" apart from the mark.
FOR BUILDING BRICK.
Claims use since Sept. 20, 1940.

Ser. No. 440,651. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Feb. 14, 1941.

CLIPPER

FOR FIRE BRICK.
Claims use since Dec. 18, 1940.

Ser. No. 440,785. MARTIN FIREPROOFING CORPORATION, Buffalo, N. Y. Filed Feb. 19, 1941.

CRETEPLANK

FOR TONGUE AND GROOVE AERATED CONCRETE PLANK.
Claims use since Oct. 24, 1939.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 420,920. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed June 24, 1939.

EKKO

FOR MOLDS FOR GLASS LENSES, MOLDS FOR GLASS PLACQUES, AND MOLDS FOR PLASTIC BRUSH BACKS.
Claims use since Aug. 1, 1939, on molds for plastic brush backs; since Mar. 29, 1939, on molds for glass lenses; since Apr. 11, 1939, on molds for glass placques.

Ser. No. 437,692. C. L. NEELY, doing business as Neely Manufacturing Company, Corydon, Iowa. Filed Nov. 8, 1940.

Jiffy

FOR SCREEN PATCHES.
Claims use since June 3, 1940.

Ser. No. 438,004. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed Nov. 18, 1940.

FLEXCO

FOR FASTENERS OR COUPLINGS FOR BELTS, NUTS AND BOLTS FOR BELT FASTENERS, AND CLIPS FOR USE DURING THE APPLICATION OF BELT FASTENERS, AND RIP PLATES FOR REPAIRING TEARS AND RIPS IN BELTS.
Claims use since Mar. 25, 1916.

Ser. No. 439,006. HENRY C. ABELL, Asbury Park, N. J. Filed Dec. 19, 1940.

An-cor-lox

No claim is made to the word "Lox" apart from the mark.
FOR LOCK NUTS.
Claims use since July 1, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 438,807. M. A. LINSKY, Los Angeles, Calif. Filed Dec. 13, 1940.

AMERICROME METAL TRIMS

The words "Metal Trims" are disclaimed apart from the mark.

FOR EXTRUDED ALUMINUM ALLOY MOULDINGS, EXTRUDED BRASS MOULDINGS, AND ROLLED ALUMINUM AND STAINLESS STEEL MOULDINGS.

Claims use since Dec. 1, 1940.

Ser. No. 440,421. MILWAUKEE DIE CASTING CO., Milwaukee, Wis. Filed Feb. 7, 1941.



FOR CASTINGS OF ALUMINUM BASE ALLOYS, ZINC BASE ALLOYS, TIN BASE ALLOYS, AND LEAD BASE ALLOYS.

Claims use since Oct. 17, 1929.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 440,008. JEWEL PAINT & VARNISH CO., Chicago, Ill. Filed Jan. 27, 1941.

BRUSHMASTER

FOR READY MIXED AND PASTE PAINTS, VARNISHES, PAINT ENAMELS.

Claims use since Jan. 11, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 440,066. PORTER E. STONE, Detroit, Mich. Filed Jan. 28, 1941.

R-D

FOR AUTOMOBILE REAR VIEW MIRRORS.

Claims use since August, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 427,916. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 26, 1940.

Western Electric

FOR ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES, PARTS THEREOF AND ACCESSORIES THEREFOR—NAMELY, TELEPHONE TRANSMITTING AND RECEIVING APPARATUS AND COMPONENT PARTS; TELEPHONE SWITCHBOARDS AND CENTRAL OFFICE APPARATUS AND COMPONENT PARTS; SELECTIVE SWITCHING AND SELECTIVE SIGNALING APPARATUS AND COMPONENT PARTS; TELEGRAPH TRANSMITTING AND RECEIVING APPARATUS AND COMPONENT PARTS; TELEGRAPH CENTRAL OFFICE EQUIPMENT; ELECTRICAL WIRES, CABLES AND CONDUCTORS; CABLE TERMINATING EQUIPMENT; ELECTRIC CIRCUIT PROTECTIVE APPARATUS; TELEPHONE REPEATERS, TELEGRAPH REPEATERS, VACUUM TUBE AMPLIFIERS AND SIMILAR SIGNAL-CURRENT REGENERATING AND AMPLIFYING DEVICES AND COMPONENT PARTS; SPEECH AND OTHER SOUND AMPLIFYING APPARATUS AND COMPONENT PARTS; RADIO AND CARRIER CURRENT TRANSMITTING AND RECEIVING APPARATUS AND COMPONENT PARTS; COMMUNICATION CIRCUIT COMPONENTS SUCH AS ATTENUATION EQUALIZERS, ELECTRIC WAVE FILTERS, ELECTRICAL NETWORKS, FREQUENCY STABILIZERS, LOADING COILS AND AUXILIARY EQUIPMENT; PHOTOELECTRIC DEVICES; PIEZO-ELECTRIC DEVICES; ELECTRON DISCHARGE DEVICES; ELECTRIC INSULATORS, INSULATING COMPOUNDS AND MATERIALS; SUBMARINE SIGNALING APPARATUS; PICTURE TRANSMITTING AND RECEIVING APPARATUS; ELECTRO-MAGNETIC LIGHT MODULATORS; ELECTRIC WAVE-FORM INDICATORS AND RECORDERS.

Claims use since January, 1910.

Ser. No. 436,989. BARDCO MANUFACTURING & SALES COMPANY, Los Angeles, Calif. Filed Oct. 16, 1940.

BARDCO POWER

No claim is made to the word "Power" apart from the mark.

FOR ELECTRICAL GENERATORS, MOTORS, AND VOLTAGE REGULATORS.

Claims use since Sept. 8, 1936.

Ser. No. 438,461. WATLOW ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo. Filed Dec. 2, 1940.

WATLOW

FOR ELECTRICAL EQUIPMENT—NAMELY, HEATING UNITS, HEATING ELEMENTS, HEATERS, RHEOSTATS, RESISTORS, SWITCHES, CONTACTORS, CONDENSERS, AND INSULATED CONNECTION WIRE.

Claims use upon heating units, heating elements, and heaters since 1922; upon temperature controls, thermostats, and rheostats since 1928; upon switches, contactors, condensers, and insulated connection wire since 1930; and upon resistors since January, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

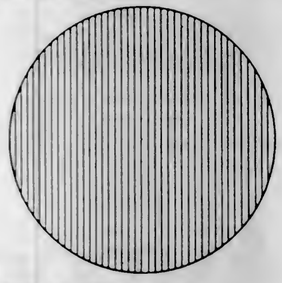
Ser. No. 429,590. AMERICAN FEATURES, INC., Hollywood, Calif. Filed Mar. 15, 1940.

Cut-toon

FOR CARTOON CUT-OUT GAME.

Claims use since Feb. 8, 1940.

Ser. No. 440,840. TYER RUBBER COMPANY, Andover, Mass. Filed Feb. 20, 1941.

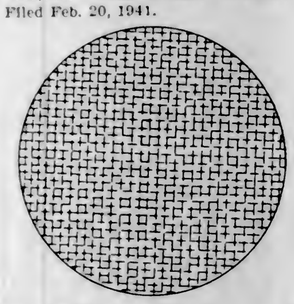


The drawing is lined for red.

FOR HOCKEY PUCKS.

Claims use since Sept. 1, 1940.

Ser. No. 440,841. TYER RUBBER COMPANY, Andover, Mass. Filed Feb. 20, 1941.



The drawing is lined for yellow.

FOR HOCKEY PUCKS.

Claims use since Sept. 1, 1940.

Ser. No. 441,081. A. EARL BRYSON, Winnetka, Ill. Filed Feb. 28, 1941.

SLAM BANG

FOR INDOOR POLO GAME.

Claims use since Nov. 15, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 393,400. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed May 28, 1937.



The mark comprises a median longitudinally yellow or golden stripe extending the full length of the front face of the blade. No claim is made to the representation of a shovel, or a red handle and black blade.

FOR SHOVELS AND SPADES.

Claims use since Jan. 15, 1937.

Ser. No. 437,936. CLIFFORD E. BUTLER, Waterloo, Iowa. Filed Nov. 16, 1940.

RIGI-FLEX

FOR REMOVABLE CLAMP AND BAR ASSEMBLIES FOR CONVERTING FLEXIBLE HARROWS INTO RIGID SMOOTHING HARROWS.

Claims use since Mar. 7, 1940.

Ser. No. 438,619. K-D MANUFACTURING COMPANY, Lancaster, Pa. Filed Dec. 7, 1940.

KAY-DEE

FOR HACK-SAW FRAMES, HACK-SAW BLADES, HAMMERS, PLIERS, SCREW-DRIVERS, RATCHET WRENCHES, SPECIAL SETS OF TOOLS OR TOOL KITS AND VARIOUS AUTOMOTIVE TOOLS AND ACCESSORIES, TO WIT: VALVE-SPRING LIFTERS, VALVE-SPRING COMPRESSORS, VALVE-SPRING AND OTHER SPRING HOLDERS, BENCH VISE ATTACHMENTS FOR USE IN COMPRESSING SPRINGS, VALVE ASSEMBLY PULLERS, VALVE ASSEMBLY REPLACING TOOLS, VALVE-STEM KEEPER INSERTERS, VALVE STEM KEEPER RECEIVERS OR SHIELDS, VALVE-STEM KEEPER REMOVERS, VALVE GUIDE DRIVERS, VALVE GRINDING BUSHINGS, VALVE GRINDING TOOLS, WRIST-PIN REMOVING AND INSERTING TOOLS, BUSHING REMOVERS, FAN-BELT APPLYING AND REMOVING TOOLS, PISTON

RING FILERS AND FILES THEREFOR, PISTON RING EXPANDERS, IGNITION POINT REFACERS, SPARK-PLUG WRENCHES, LAMP-BULB PLIERS, LAMP-BULB GLOVES (CIRCULAR GRIPPING DEVICES FOR USE IN HANDLING LAMP BULBS), KING-PIN EXTRACTORS, WHEEL PULLERS, STUD RIVETING AND SETTING AND REMOVING DIES, AND VALVE GUIDE RETAINERS.
Claims use since Apr. 30, 1920.

Ser. No. 439,292. METALLIZING ENGINEERING CO. INC., Long Island City, N. Y. Filed Dec. 30, 1940.

METCOLIZED

FOR HEAT CORROSION RESISTANT FURNACE CONVEYORS—NAMELY, MECHANICAL CONVEYORS FOR INDUSTRIAL USE IN THE CONVEYING OF ARTICLES INTO AND THROUGH TREATING FURNACES.
Claims use since Nov. 16, 1939.

Ser. No. 439,343. INDEPENDENT PNEUMATIC TOOL COMPANY, Chicago, Ill. Filed Jan. 2, 1941.

THOR-COCHISE

FOR ROCK DRILLS; PISTON MACHINES; STOPPERS; ROCK HAMMERS, PLUGGERS; DRIFTERS, CONCRETE, AND PAVING BREAKERS; COLUMNS, STEEL AND HOSE FOR ROCK DRILLS; AND CLAY DIGGERS; AND PARTS AND ACCESSORIES THEREFOR.
Claims use since June, 1930.

Ser. No. 439,567. LANDON P. SMITH, INC., Irvington, N. J. Filed Jan. 10, 1941.

VOLCANO

FOR COMBINATION MECHANICAL AND STEAMING WALL PAPER REMOVERS.
Claims use since June 15, 1938.

Ser. No. 440,100. THEODORE H. ROBINSON, doing business as Robinson Brothers, Jersey City, N. J. Filed Jan. 29, 1941.

VIKING

FOR VEGETABLE PEELING MACHINES.
Claims use since Mar. 29, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 430,619. MIMOSA AMERICAN CORPORATION, New York, N. Y. Filed Apr. 10, 1940.

VORAN

FOR CAMERAS.
Claims use since July, 1937.

Ser. No. 437,890. BAILEY METER COMPANY, Cleveland, Ohio. Filed Nov. 15, 1940.

SYNCHRO-METER

Applicant makes no claim to the word "Meter" per se.
FOR TIME ELECTRIC IMPULSE TELEMETERING SYSTEMS AND APPARATUS, SUCH AS WEIR METERS, SEWAGE METERS, BOILER METERS, AND INDICATORS AND RECORDERS AND CONTROLLERS OF LIQUID LEVEL, TEMPERATURE, POSITION, PRESSURE, SPEED AND THE LIKE, AND CHARTS AND ACCESSORIES SUCH AS FOR EXAMPLE THERMOMETER WELLS, BULBS AND CAPILLARY, TEMPERATURE ELEMENTS, THERMOCOUPLES, FLOATS AND FLOAT BOXES THEREFOR.
Claims use on time electric impulse telemetering systems and apparatus since about June 4, 1936; liquid level indicators and recorders since about September 27, 1937; weir meters since about October 6, 1937; temperature indicators and recorders since about May 2, 1938; pressure indicators and recorders since about January 1, 1939; sewage meters since about September 29, 1939; speed indicators and recorders since about February 6, 1940; boiler meters since about March 4, 1940; controllers and control apparatus since about June 12, 1940; charts and accessories in connection with each group of the goods herewith listed as of the same date given in connection with the goods.

Ser. No. 438,641. AMPRO CORPORATION, Chicago, Ill. Filed Dec. 9, 1940.

AMPRO

FOR MOTION PICTURE MACHINES, BOTH SILENT AND SOUND, AND EQUIPMENT, APPARATUS, AND ACCESSORIES RELATING THERETO—NAMELY, 16 MM. PROJECTORS, 8 MM. PROJECTORS, MOTION PICTURE CAMERAS, SLIDE FILM PROJECTORS, COIN OPERATED PROJECTORS, CONTINUOUS FILM PROJECTORS, CABINETS FOR PROJECTORS, STANDS FOR PROJECTORS, CARRYING CASES FOR PROJECTORS, FILM REELS, FILM SPLICERS, REEL CANS, PROJECTOR LENSES, MOTION PICTURE SCREENS, FILM CEMENT, AND COIN CHANGERS AND PAYERS.
Claims use since Oct. 1, 1929.

Ser. No. 438,828. BAILEY METER COMPANY, Cleveland, Ohio. Filed Dec. 14, 1940.

PYROTRON

FOR MEASURING AND CONTROLLING SYSTEMS AND APPARATUS FOR TEMPERATURE INCLUDING AIR PILOT VALVE RECORDER-CONTROLLERS, PYROMETER AIR CONTROL APPARATUS, RECORDING THERMOMETERS, RESISTANCE THERMOMETERS, TEMPERATURE INDICATORS, TEMPERATURE RECORDERS, TEMPERATURE CONTROLLERS, TEMPERATURE RECORDER-CONTROLLERS, AND CHARTS AND ACCESSORIES THEREFOR SUCH AS FOR EXAMPLE THERMOMETER WELLS AND TEMPERATURE ELEMENTS
Claims use since Dec. 6, 1940.

Ser. No. 439,518. MASTER RULE MFG. CO. INC., New York, N. Y. Filed Jan. 9, 1941.

Blackie

FOR RULES, FOLDING RULES, AND EXTENSION RULES.
Claims use since July, 1939.

Ser. No. 440,248. THE HARLEQUIN CORPORATION, New York, N. Y. Filed Feb. 3, 1941.



FOR OPHTHALMIC MOUNTINGS AND LENSES AND PARTS THEREOF.
Claims use since Jan. 1, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 438,213. PHI EPSILON PI FRATERNITY, INC., Philadelphia, Pa. Filed Nov. 25, 1940.

Phi Epsilon Pi Fraternity

FOR FRATERNITY PINS AND OTHER ARTICLES OF JEWELRY NOT INCLUDING WATCHES.
Claims use since 1904.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 433,709. GENERAL CERAMICS COMPANY, New York, N. Y. Filed July 5, 1940.

CARILLON

FOR CHINAWARE ORNAMENTAL BOXES.
Claims use since Apr. 11, 1940.

Ser. No. 439,636. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 13, 1941.

HARMONY HOUSE

FOR TABLE CHINA.
Claims use since Oct. 8, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 439,720. LE VAL FILTER CO., Chicago, Ill. Filed Jan. 16, 1941.

LEVAL

FOR FILTERS AND FILTER STONES.
Claims use since March, 1934.

Ser. No. 440,511. THE IMPERIAL BRASS MANUFACTURING CO., Chicago, Ill. Filed Feb. 10, 1941.

TORPEDO

FOR DEHYDRATORS, CARTRIDGE DEHYDRATORS, SEALED-END DEHYDRATORS, DEHYDRATORS WITH DISPERSION TUBES, DEHYDRATORS CONTAINING CHEMICALS, STRAINERS, SCALE TRAPS, APPLICATORS, AND CAPACITY BOOSTERS USED PRIMARILY IN REFRIGERATION SYSTEMS.
Claims use since Nov. 25, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 440,376. NEW YORK MATTRESS COMPANY, Boston, Mass. Filed Feb. 6, 1941.

PLI-O-GLASS

No claim is made to the word "Glass" apart from the mark. The drawing is lined for blue.
FOR MATTRESSES.
Claims use since Oct. 17, 1940.

Ser. No. 440,839. THE TELEVATOR CORPORATION, New York, N. Y. Filed Feb. 20, 1941.

ROLA-PHONE

The word "Phone" is disclaimed apart from the mark.
FOR TELEPHONE STANDS.
Claims use since Jan. 15, 1941.

CLASS 33

GLASSWARE

Ser. No. 432,640. KIMBLE GLASS COMPANY, Vineland, N. J. Filed June 4, 1940.

NEUTRAX

FOR GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMELY, BEAKERS, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS.
Claims use since May 21, 1940.

Ser. No. 439,553. POLAROID CORPORATION, Cambridge, Mass. Filed Jan. 10, 1941.

POLAROID

FOR GLASS SHEETS AND LAMINATIONS OF GLASS SHEETS.
Claims use since Nov. 19, 1935.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 403,165. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed Feb. 18, 1938.

AQUA-MASTER

FOR WATER HEATERS AND PARTS THEREOF USING SOLID AND LIQUID FUELS.
Claims use since Feb. 16, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 435,165. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 20, 1940.

SUPER MILER

FOR PNEUMATIC TIRES.
Claims use since May 9, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 422,591. ROBERT H. MCELROY, JR., Chicago, Ill. Filed Aug. 14, 1939.

Co-Opp Divvies

FOR COUPONS.
Claims use since Aug. 8, 1939.

Ser. No. 429,317. JULIAN OLLENDORFF, New York, N. Y. Filed Mar. 7, 1940.

COMIC AD VENTURES

Applicant disclaims the words "Comic" and "Ad" apart from the mark.
FOR COMIC STRIPS WITH CONTINUITY, COMBINED WITH COMMERCIAL ADVERTISEMENTS IN THE LAST PANEL FOR PUBLICATION IN NEWSPAPERS AND OTHER PUBLICATIONS, PUBLISHED IN A SERIES, IN THE MANNER CUSTOMARILY USED FOR COMIC STRIPS AND CARTOONS.
Claims use since Jan. 8, 1940.

Ser. No. 437,327. JOSEPH WARD, Aurora, Ill. Filed Oct. 26, 1940.

The PAINT SPOT

FOR PERIODIC PUBLICATION.
Claims use since Sept. 15, 1940.

Ser. No. 437,647. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Nov. 7, 1940.

HANDY MAN'S HOME MANUAL

The words "Home Manual" are disclaimed apart from the mark.
FOR PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS.
Claims use since Jan. 3, 1933.

Ser. No. 438,771. RICHARD F. LASKER, Jackson Heights, Long Island, N. Y. Filed Dec. 12, 1940.

TRANS-VISION

FOR ADVERTISING MATTER SOLD AS SUCH.
Claims use since Oct. 21, 1940.

Ser. No. 439,901. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Jan. 23, 1941.

Medicine in the News

FOR NEWSPAPER SECTION.
Claims use since Dec. 16, 1940.

Ser. No. 440,004. WALTER A. GRIGG, Larned, Kans. Filed Jan. 27, 1941.

"KING OF QUIZ"

FOR PERIODICAL PUBLICATION.
Claims use since Jan. 15, 1941.

CLASS 39

CLOTHING

Ser. No. 429,100. MARSHALL, MEADOWS & STEWART, INC., Auburn, N. Y. Filed Mar. 1, 1940.

MISS PIRATE

FOR WOMEN'S SHOES MADE OF RUBBER AND FABRIC AND A COMBINATION OF THESE MATERIALS.
Claims use since April, 1935.

Ser. No. 429,134. REGAL SHOE COMPANY, New York, N. Y. Filed Mar. 2, 1940.

REGAL

FOR BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, FABRIC, AND RUBBER AND COMBINATIONS THEREOF, HOSIERY, GARTERS, AND SUSPENDERS.
Claims use since Sept. 1, 1893.

Ser. No. 429,699. GROVES SHOE CO., Chicago, Ill. Filed Mar. 18, 1940.

PROPERSTEPS

FOR SHOES AND SLIPPERS CONSTRUCTED OF LEATHER, FABRIC, AND STRAW.
Claims use since Jan. 2, 1940.

Ser. No. 432,481. MASON & HUGHES, Clarksville, Tenn. Filed May 29, 1940.

Bow Hen

FOR WORK SHIRTS, WORK PANTS, WORK JACKETS, AND OVERALLS.
Claims use since Aug. 1, 1939.

Ser. No. 436,959. COSMOPOLITAN MANUFACTURING COMPANY, Cambridge, Mass. Filed Oct. 15, 1940.

Cosmo

FOR MEN'S OVERCOATS, RAINCOATS, AND SPORT JACKETS.
Claims use since January, 1927.

Ser. No. 437,123. COBBLERS, INC., Los Angeles, Calif. Filed Oct. 21, 1940.

Moccarounds

FOR FOOTWEAR—NAMELY, SHOES, SLIPPERS, AND MOCCASINS MADE OF LEATHER AND OF COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Aug. 29, 1940.

Ser. No. 438,455. SARFERT HOSIERY MILLS, INC., Philadelphia, Pa. Filed Dec. 2, 1940.

Royal Rib

The word "Rib" is disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSE.
Claims use since Sept. 3, 1940.

Ser. No. 438,804. HUTH & JAMES SHOE CO., Milwaukee, Wis. Filed Dec. 13, 1940.

Modern Miss 'tween-time.

FOR WOMEN'S SHOES, MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Nov. 15, 1940.

Ser. No. 439,021. CHARLES GOLDENBERG, New York, N. Y. Filed Dec. 19, 1940.

Tropez

FOR MEN'S, CHILDREN'S, AND WOMEN'S CLOTHING, PARTICULARLY FOR PANTS, SLACKS, AND SPORT SHIRTS, SPORT COATS, AND SPORT SUITS, SUCH AS WORN BY SPORT SPECTATORS, AT RESORTS, AND ON CRUISES.
Claims use since August, 1939.

Ser. No. 439,166. MITCHEL SCHNEIDER COMPANY, INC., New York, N. Y. Filed Dec. 24, 1940.

FLUFFY DOWN
by Michelene

The word "Fluffy" is disclaimed apart from the mark.
FOR LADIES' KNITTED AND TEXTILE UNDERWEAR, PAJAMAS, NEGLIGEES, AND HOUSE-COATS.
Claims use since Dec. 1, 1940.

Ser. No. 439,398. J. C. PENNEY COMPANY, New York, N. Y. Filed Jan. 3, 1941.

PENI-FLEX

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC OR COMBINATIONS THEREOF, AND INSOLES FOR SUCH SHOES.
Claims use since Dec. 6, 1940.

Ser. No. 439,499. NATIONAL BLOUSE CORPORATION, New York, N. Y. Filed Jan. 7, 1941.

Playland
SPORTSWEAR

No claim is made to the word "Sportswear" apart from the mark.
FOR WOMEN'S AND GIRLS' DRESSES, BLOUSES, PLAYSUITS, AND BEACH ROBES.
Claims use since Oct. 1, 1940.

Ser. No. 439,493. REEVES BROS. INC., New York, N. Y. Filed Jan. 8, 1941.

PARADE TWILL BY REEVES

Applicant disclaims the wording "Twill by Reeves" apart from the mark.
FOR UNIFORMS FOR MILITARY AND WORK USE FOR MEN AND WOMEN, SUITS AND OVERCOATS FOR MEN AND BOYS, AND WORK COATS AND PANTS.
Claims use since July 21, 1939.

Ser. No. 439,594. GORDON MAID SKIRT COMPANY, INC., Boston, Mass. Filed Jan. 11, 1941.



The picture is fanciful.
FOR SLACKS, WASHABLE SUITS, BLOUSES, SPORT DRESSES, PAJAMAS, JACKETS, SKIRTS FOR GENERAL WEAR AND SKIRTS FOR TENNIS AND GOLFING FOR THE USE OF MISSES AND GIRLS.
Claims use since Nov. 10, 1939.

Ser. No. 439,660. MAY KNITTING CO. INC., New York, N. Y. Filed Jan. 14, 1941.

May-Maid

FOR WOMEN'S AND MISSES' SWIM SUITS.
Claims use since Nov. 15, 1940.

Ser. No. 439,723. NATIONAL BLOUSE CORPORATION, New York, N. Y. Filed Jan. 16, 1941.

Glamour Deb

FOR WOMEN'S AND GIRLS' BLOUSES AND DRESSES.
Claims use since Oct. 1, 1940.

Ser. No. 439,740. ACALA FABRICS COMPANY, San Francisco, Calif. Filed Jan. 17, 1941.

Acala Shirt

No claim is made to the word "Shirt" apart from the mark.
FOR MEN'S AND BOYS' OUTER SHIRTS.
Claims use since Oct. 16, 1940.

Ser. No. 439,854. RUTH BINNS, Chicago, Ill. Filed Jan. 22, 1941.



No claim is made to the word "Pants" except as shown.
FOR UNDERWEAR FOR WOMEN AND GIRLS HAVING REINFORCED AND CUSHIONED SEATS WHEREIN THE CUSHION IS ARRANGED GENERALLY RING FASHION SO AS TO PROTECT THE HAUNCHES.
Claims use since Dec. 7, 1940.

Ser. No. 440,027. A. STEIN & COMPANY, Chicago, Ill. Filed Jan. 27, 1941.

Per-fit

No claim is made to the word "Fit" per se.
FOR CHILDREN'S UNDER WAISTS.
Claims use since Jan. 8, 1941.

Ser. No. 440,047. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Jan. 28, 1941.

SLIMDERELLA

FOR PANTIE GIRDLES, GIRDLES, CORSETS, AND FOUNDATION GARMENTS.
Claims use since Jan. 20, 1941.

Ser. No. 440,069. TIDY PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 28, 1941.

GARD-RITE

FOR INFANT'S OR CHILD'S SLEEPING GARMENT.
Claims use since Jan. 22, 1941.

Ser. No. 440,070. TIDY PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 28, 1941.

GARD-TOT

FOR INFANT'S OR CHILD'S SLEEPING GARMENT.
Claims use since Jan. 22, 1941.

Ser. No. 440,071. TIDY PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 28, 1941.

GARD-WELL

FOR INFANT'S OR CHILD'S SLEEPING GARMENT.
Claims use since Jan. 22, 1941.

Ser. No. 440,156. CONLIN & SMITH, INC., New York, N. Y. Filed Jan. 31, 1941.

FOR BEACH SANDALS AND SHOES MADE ENTIRELY OF RUBBER.
Claims use since Aug. 14, 1940.

Ser. No. 440,165. PAULINE KARP, St. Paul, Minn. Filed Jan. 31, 1941.

KITCHEN FORMALS

FOR WOMEN'S AND MISSES' HOUSECOATS.
Claims use since October, 1937.

Ser. No. 440,283. COMMONWEALTH CLOTHING COMPANY, Boston, Mass. Filed Feb. 4, 1941.



The word "De Luxe" is disclaimed apart from the mark.
FOR MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since Mar. 3, 1939.

Ser. No. 440,298. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 4, 1941.

SEA-RAY

FOR RUBBER BATHING SUITS AND RUBBER BATHING CAPS.
Claims use since Nov. 28, 1939, on said caps; since Jan. 11, 1940, on said suits.

Ser. No. 440,301. WOODWARD & LOTHROP, Washington, D. C. Filed Feb. 4, 1941.

WOODTHROP

FOR CORSETS.
Claims use since Jan. 1, 1920.

Ser. No. 440,318. DAVID CRYSTAL, INC., New York, N. Y. Filed Feb. 5, 1941.

KARAMURA

FOR LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF DRESS AND COAT.
Claims use since July, 1940.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 431,652. INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed May 7, 1940.



FOR TAPES AND NARROW WEBBINGS FOR USE AS BINDING AND TRIMMINGS AND OTHER INCIDENTAL USES AND BRAIDS FOR LACINGS, TRIMMINGS AND OTHER INCIDENTAL USES.
Claims use since Sept. 11, 1933.

Ser. No. 440,381. RAU FASTENER COMPANY, Providence, R. I. Filed Feb. 6, 1941.

GRIPZIP

FOR GARMENT BUCKLES.
Claims use since Feb. 3, 1941.

Ser. No. 440,382. RAU FASTENER COMPANY, Providence, R. I. Filed Feb. 6, 1941.

ZIPGRIP

FOR GARMENT BUCKLES.
Claims use since Feb. 1, 1941.

Ser. No. 440,655. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Feb. 14, 1941.

VISION

FOR DRESS SHIELDS.
Claims use since Feb. 10, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 429,165. TRUMAN BAILEY, New York, N. Y. Filed Mar. 4, 1940.

FIESTA DEL SOL FASHIONS

No claim is made to the word "Fashions" apart from the mark.
FOR RAYON AND COTTON PIECE GOODS.
Claims use since Jan. 15, 1940.

Ser. No. 435,295. BRUNO HEITZ, Waterbury, Conn. Filed Aug. 23, 1940.



No claim is made to the words "Towel" and "Licence Tergé."
FOR TOWEL.
Claims use since July 1, 1940.

Ser. No. 439,479. FAIRHOPE FABRICS, INC., doing business as Granite Looms, Fall River, Mass. Filed Jan. 8, 1941.



All words are disclaimed apart from the mark except the words "Gran" and "Granite Looms."
FOR LACE NET CURTAINS AND PIECE GOODS.
Claims use since Aug. 20, 1940.

Ser. No. 439,770. BOTANY WORSTED MILLS, Passaic, N. J. Filed Jan. 18, 1941.



The words "Pola Stout Designs" are disclaimed apart from the mark.
FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Aug. 30, 1940.

Ser. No. 439,909. SOUTHERN BRIGHTON MILLS, Shannon, Ga. Filed Jan. 23, 1941.

SHANDRA

FOR ARTIFICIAL SILK IN THE PIECE.
Claims use since Dec. 12, 1940.

Ser. No. 439,994. DAZIAN'S, INC., New York, N. Y. Filed Jan. 27, 1941.

DAZIAN'S STADIUM

The name "Dazian's" is disclaimed apart from the mark.
FOR VELOURS IN THE PIECE AND IN SHORT LENGTHS.
Claims use since Apr. 1, 1938.

Ser. No. 440,168. B. A. LEVINSON INCORPORATED, New York, N. Y. Filed Jan. 31, 1941.

Ber-Nice

No claim is made to the word "Nice" apart from the mark.
FOR TEXTILE FABRICS IN THE PIECE OF RAYON, COTTON, AND SYNTHETIC YARNS OR MIXTURES THEREOF.
Claims use since September, 1940.

Ser. No. 440,215. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Feb. 1, 1941.

COLORAMA

FOR CARPETS AND RUGS.
Claims use since Jan. 8, 1941.

Ser. No. 440,304. ALGRO KNITTING MILLS INC., Milltown, N. J. Filed Feb. 5, 1941.

Bak to Bak

FOR KNITTED FABRICS.
Claims use since Mar. 27, 1940.

Ser. No. 440,315. CROMPTON COMPANY, West Warwick, R. I. Filed Feb. 5, 1941.

TEST-PILOTS

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF.
Claims use since Jan. 10, 1941.

Ser. No. 440,317. DAVID CRYSTAL, INC., New York, N. Y. Filed Feb. 5, 1941.



FOR TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, ACETATE, WOOLEN, COTTON, LINEN, SPUN RAYON, AND/OR COMBINATIONS THEREOF.
Claims use since July, 1940.

Ser. No. 440,327. FEIST FABRICS, INC., New York, N. Y. Filed Feb. 5, 1941.

BROADWAY GLASSÉ

FOR RAYON WOVEN FABRICS IN THE PIECE.
Claims use since Feb. 1, 1940.

Ser. No. 440,360. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 6, 1941.

AEROCEL

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Feb. 4, 1941.

Ser. No. 440,361. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 6, 1941.

CELAPALM

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Feb. 4, 1941.

Ser. No. 440,362. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 6, 1941.

CELASTRAND

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Feb. 4, 1941.

Ser. No. 440,363. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 6, 1941.

CELASTREAM

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Feb. 4, 1941.

Ser. No. 440,364. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 6, 1941.

CELAVALE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Feb. 4, 1941.

Ser. No. 440,365. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 6, 1941.

CELITE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Feb. 4, 1941.

Ser. No. 440,366. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 6, 1941.

PAJAMACEL

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Feb. 4, 1941.

Ser. No. 440,369. CROMPTON COMPANY, West Warwick, R. I. Filed Feb. 6, 1941.

TOP-FLIGHT

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF.
Claims use since Jan. 10, 1941.

Ser. No. 440,443. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 8, 1941.

CELANAIRE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Jan. 22, 1941.

Ser. No. 440,445. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 8, 1941.

SAILONAIRE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Jan. 22, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 439,768. AMERICAN SILK SPINNING CO., Providence, R. I. Filed Jan. 18, 1941.

"THOROBRED SPORTS CREPE"

No claim is made to the words "Sports Crepe" apart from the mark.
FOR YARNS.
Claims use since Mar. 21, 1921.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 440,545. THE A. J. DONAHUE CORPORATION, Milford, Conn. Filed Feb. 11, 1941.

Glamour Girl

FOR PADS USED IN PERMANENT WAVING.
Claims use since Apr. 29, 1938.

Ser. No. 441,113. ARTHUR E. SMITH, Los Angeles, Calif. Filed Feb. 28, 1941.

Conducto

FOR HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, INSTRUMENTS USED IN THE PRODUCTION OF INTRA-OSSEOUS ANESTHESIA, SURGICAL FORCEPS, INSTRUMENT STERILIZERS, I. E. CONTAINERS ADAPTED TO HOLD INSTRUMENTS WHILE THE SAME ARE BEING STERILIZED, EXTENSIONS FOR HYPODERMIC SYRINGES, ADAPTERS FOR HYPODERMIC SYRINGES AND DISSOLVING CUPS FOR THE PREPARATION OF ANESTHETIC SOLUTIONS.
Claims use since August, 1915.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 435,595. TOURLAINE FOOD PRODUCTS, INC., Chicago, Ill. Filed Aug. 31, 1940.

SUNBURST

FOR MALTLESS NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS, SUCH AS ORANGE DRINKS, PINEAPPLE DRINKS, AND FRUIT BEVERAGES.
Claims use since June 10, 1934.

Ser. No. 437,562. HOUSE-HOLD-PAC CORPORATION, San Francisco, Calif. Filed Nov. 4, 1940.



The words "Drink Nationally Advertised." and "House-Hold-Pac" are disclaimed apart from the mark.
FOR NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS AND CONCENTRATES FOR MAKING THE SAME.
Claims use since July 10, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 425,974. AMERICANS OWN PACKING CO., New York, N. Y. Filed Nov. 27, 1939.

Americans Own

FOR PICKLES.
Claims use since Oct. 5, 1939.

Ser. No. 428,233. HERSHEL CALIFORNIA FRUIT PRODUCTS CO., San Jose, Calif. Filed Feb. 5, 1940.



PACIFIC STAR

FOR SOLID-PACK CANNED TOMATOES, CANNED TOMATOES WITH PUREE, CANNED PEELED TOMATOES WITH SAUCE, AND TOMATO PASTE.
Claims use on solid-pack canned tomatoes and tomato paste since Sept. 1, 1918; canned tomatoes with puree since Sept. 15, 1937; and canned peeled tomatoes with sauce since Sept. 25, 1939.

Ser. No. 428,359. FRANK J. KOSER, Watertown, Wis., assignor to Flourence L. Koser, Watertown, Wis. Filed Feb. 8, 1940. Under 10-year proviso.



Koser's

FOR BAKERY PRODUCTS, PARTICULARLY BREAD, CAKES, DOUGHNUTS, AND COOKIES.
Claims use since 1894.

Ser. No. 430,711. AMERICAN BREDDO CORPORATION, New York, N. Y. Filed Apr. 13, 1940.

Breddo

FOR BREAD IMPROVER, THE SAME BEING A COMPOSITION OF A DEHYDRATED GRAIN FLOUR, CONTAINING LACTIC ACID, WHICH IS ADDED TO THE DOUGH USED FOR THE MAKING OF BREAD, AND WHICH HELPS THE OPERATION OF THE YEAST CONTENT, AND PRODUCES A CHEMICAL REACTION UPON THE DOUGH, AND CAUSES THE ULTIMATE BREAD PRODUCT TO RETAIN FRESHNESS.
Claims use since Jan. 1, 1940.

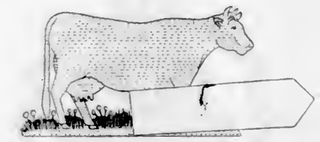
Ser. No. 431,651. ICE CREAM SECURITIES COMPANY, San Francisco, Calif. Filed May 7, 1940.



The words "Half Pint" are disclaimed apart from the mark.
FOR ICE CREAM AND SHERBET.
Claims use since Mar. 1, 1940.

Ser. No. 431,757. THE BORDEN COMPANY, New York, N. Y. Filed May 10, 1940.

Borden's



Applicant is now the owner of the following United States trade-mark registrations Nos. 55,233, 58,578, 64,723, 128,942, 130,647, and 357,120, each granted under the 10-year proviso. The drawing is lined for silver.
FOR EVAPORATED MILK.
Claims use since July 1, 1929.

Ser. No. 435,310. O'KEEFE BROTHERS, Jacksonville, Tex. Filed Aug. 23, 1940.



The name "O'Keefe Brothers" is disclaimed apart from its association with the other features of the mark.
FOR FRESH VEGETABLES.
Claims use since November, 1932.

Ser. No. 437,092. KNIGHT PACKING COMPANY, Portland, Oreg. Filed Oct. 19, 1940.

COCKTAIL

BAR

FOR BOTTLED CHERRIES, ONIONS, MUSTARD, GHERKINS, AND A MIXED SANDWICH SPREAD VENDED IN A COMMON PACKAGE.
Claims use since Dec. 11, 1939.

Ser. No. 437,846. SWIFT AND COMPANY, Chicago, Ill. Filed Nov. 13, 1940.



Applicant is the owner of the following registrations, Nos. 38,538, 260,782, 278,221, 28,452, 34,386. No claim is made to the representation of the container or to the word "Shortening" except as shown.
FOR VEGETABLE SHORTENING.
Claims use since Apr. 9, 1940.

Ser. No. 438,052. B. POGGIOLI & SON, East Vineland, N. J. Filed Nov. 19, 1940.



The drawing is lined for red, blue, yellow, and brown.
FOR CANNED SOUPS.
Claims use since Apr. 1, 1940.

Ser. No. 438,108. BAK-KRAFT CORPORATION, LTD., Los Angeles, Calif. Filed Nov. 22, 1940.

THE GIFTS O'NATURE

FOR BAKERY PRODUCTS — NAMELY, BREAD, ROLLS, CRACKERS, CAKES, COOKIES.
Claims use since Oct. 15, 1940.

Ser. No. 438,353. PAXTON AND GALLAGHER CO., Omaha, Nebr. Filed Nov. 29, 1940.

RARE TREAT

Applicant is the owner of trade-mark registration No. 305,301, dated Aug. 15, 1933.
FOR CANNED FRUITS, CANNED VEGETABLES, CANNED VEGETABLE JUICES, CANNED SALMON, CANNED MACKEREL, CANNED SARDINES, PEANUT BUTTER, FRUIT PRESERVES, JELLIES, SANDWICH RELISH, AND SALAD DRESSING.
Claims use since Sept. 12, 1932, on salad dressing and sandwich relish; since Nov. 17, 1933, on canned fruits; since Oct. 10, 1935, on vegetable juices, mackerel, and sardines; since Feb. 16, 1937, on preserves and jellies; since Feb. 16, 1939, on peanut butter; since Sept. 28, 1939, on canned vegetables; and since Oct. 10, 1935, on salmon.

Ser. No. 438,405. BAYARD S. SCOTLAND, doing business as Number One Company, Joliet, Ill. Filed Nov. 30, 1940.

YEAST-ARONI

The word "Yeast" is disclaimed apart from the mark.
FOR MACARONI.
Claims use since Aug. 15, 1940.

Ser. No. 438,430. BLISH MILLING COMPANY, Seymour, Ind. Filed Dec. 2, 1940.

SNOW MIST

Applicant is the present owner of said registration No. 245,540.
FOR SELF RISING FLOUR.
Claims use since Nov. 5, 1927.

Ser. No. 438,458. BAYARD S. SCOTLAND, doing business as Number 1 Co., Joliet, Ill. Filed Dec. 2, 1940.

VITA-B'E'

The symbols "B' E'" are disclaimed apart from the mark.
FOR MACARONI.
Claims use since Aug. 27, 1940.

Ser. No. 438,556. SPARTANBURG CANNING CO., Spartanburg, S. C. Filed Dec. 5, 1940.

Pleasant Gardens

FOR CANNED FRUITS AND VEGETABLES.
Claims use since September, 1939.

Ser. No. 438,627. PINE BROS., INC., Philadelphia, Pa. Filed Dec. 7, 1940.

VITA-MINT

Applicant is the owner of United States trade-mark registration No. 280,822 of Mar. 3, 1931. No claim is made to the word "Mint" apart from the mark.
FOR VITAMIN FOOD PRODUCT IN THE NATURE OF A CANDY CONTAINING ADDED VITAMINS.
Claims use since Oct. 9, 1940.

Ser. No. 438,919. AROOSTOOK POTATO GROWERS, INC., Presque Isle, Maine. Filed Dec. 17, 1940.



The words "Tater" and "Brand" and the map outline are disclaimed apart from the mark.
FOR POTATOES IN THEIR NATURAL STATE.
Claims use since Oct. 10, 1940.

Ser. No. 439,117. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Dec. 23, 1940.

CHUMMY

FOR BAKERY PRODUCTS—NAMELY, ICE CREAM CONES.
Claims use since June, 1935.

Ser. No. 439,411. THE GREAT WESTERN SUGAR COMPANY, Denver, Colo. Filed Jan. 4, 1941.

BEVROSE-A

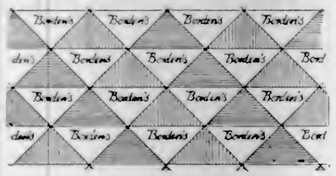
The notation "A" is disclaimed apart from the mark.
FOR SUGAR.
Claims use since Nov. 14, 1940.

Ser. No. 439,564. SCIENTIFIC NUTRITION CORPORATION, Dover, Del. Filed Jan. 10, 1941.

ENERVIM

FOR DRIED DEFATTED MILK CONTAINING VITAMINS AND MINERALS AND USED FOR FOOD PURPOSES.
Claims use since Dec. 15, 1940.

Ser. No. 439,579. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 11, 1941.



The drawing is lined for red, white, and blue.
FOR PROCESS AMERICAN CHEESE.
Claims use since Dec. 28, 1939.

Ser. No. 439,675. G. L. WEBSTER COMPANY, INC., Cheriton, Va. Filed Jan. 14, 1941.

AUNT SUSAN

FOR BROCCOLI, LETTUCE, CABBAGE, SPINACH, AND ENDIVE.
Claims use since November, 1939.

Ser. No. 439,749. HERBERT CAMPBELL, doing business as The Herbert Campbell Company, Scottsbluff, Nebr. Filed Jan. 17, 1941.

BEARCAT
BRAND



The word "Brand" is disclaimed except as shown.
FOR POTATOES IN THEIR NATURAL STATE.
Claims use since Nov. 4, 1940.

Ser. No. 439,778. KROELLS BROS., LTD., Lindsay, Calif. Filed Jan. 18, 1941.

KAY BEE

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 18, 1940.

Ser. No. 439,843. STANCO INCORPORATED, New York, N. Y. Filed Jan. 21, 1941.

Svelt

FOR SALAD OIL.
Claims use since Oct. 17, 1940.

Ser. No. 439,863. FLORY MILLING COMPANY, INC., Bangor, Pa. Filed Jan. 22, 1941.

GOLDEN EGG

FOR SCRATCH FEED AND LAYING MASH.
Claims use since July, 1910.

Ser. No. 439,976. SEA BOARD SUPPLY COMPANY, INC., Philadelphia Pa. Filed Jan. 25, 1941.

HEN-CEN-TRATE

No claim is made to the word "Hen" except as shown.
FOR FEED CONCENTRATE CONTAINING MEAT AND BONE SCRAP, FISH MEAL, CRAB MEAL, ALFALFA MEAL, DRIED TOMATO POMACE, FISH EXTRACT, SHRIMP BRAN, LINSEED OIL MEAL, BLOOD MEAL, WHEAT GERM, ANIMAL LIVER MEAL, DRIED WHEY, DRIED BUTTERMILK, SOY BEAN OIL MEAL, CORN GLUTEN MEAL, VITAMIN A AND D FEEDING OIL, DRIED MOLASSES, DISTILLERS YEAST, COTTONSEED MEAL, PEANUT MEAL AND SEA BOARD MINERALS, CONTAINING: BONE CHARCOAL, CALCIUM CARBONATE, SOLUBLE SULPHUR, POTASSIUM IODIDE, IRON SULPHATE, SALT, COPPER SULPHATE, MANGANESE SULPHATE, FLOWERS OF SULPHUR AND COBALT FOR POULTRY.
Claims use since Jan. 8, 1940.

Ser. No. 440,141. ARMOUR AND COMPANY, doing business as Armour Creameries, Chicago, Ill. Filed Jan. 31, 1941.

PEGG

The lining is a material feature of the mark but is not used to depict any particular color.
FOR POWDERED WHOLE EGGS, POWDERED EGG WHITES, AND POWDERED EGG YOLKS.
Claims use since Dec. 27, 1940

Ser. No. 440,143. BLUE MOON FOODS, INC., Thorp, Wis. Filed Jan. 31, 1941.

BLUE MOON
Bavarian Spread

The words "Bavarian Spread" are disclaimed apart from the mark.
FOR CHEESE SPREAD.
Claims use since July 2, 1936.

Ser. No. 440,332. GOTTFRIED BAKING COMPANY, INC., New York, N. Y. Filed Feb. 5, 1941.

SNO-TOP

FOR BREAD.
Claims use since Oct. 1, 1940.

Ser. No. 440,378. DOMENICK PASSAGLIA, doing business as De Luxe Candy Co., Chicago, Ill. Filed Feb. 6, 1941.

TEN-PIN

FOR CANDY.
Claims use since July 18, 1940.

Ser. No. 440,430. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va. Filed Feb. 7, 1941.

Hunt Club

FOR BISCUITS.
Claims use since January, 1934.

CLASS 47

WINES

Ser. No. 438,867. B. CRIBARI & SONS, New York, N. Y. Filed Dec. 16, 1940.

ROYAL PHEASANT

The portion of the mark shown in black indicates the color light purple.
FOR WINES.
Claims use since Dec. 14, 1940.

Ser. No. 439,783. SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Jan. 18, 1941.

SAINT DENNIS

FOR WINES.
Claims use since Nov. 25, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 8, 1941

386,370. COFFEE, TEA, BREAD, CAKES, PASTRY, FRESH AND COOKED VEGETABLES; PREPARED MEATS—NAMELY, CURED HAM, BAKED HAM, ETC. HORN & HARDART BAKING COMPANY, Philadelphia, Pa.
Filed July 25, 1934. Serial No. 354,295. PUBLISHED NOVEMBER 1, 1938. Class 46.

386,371. BOILED HAMS. FLEISCHMANNS, New York, N. Y.
Filed November 29, 1937. Serial No. 400,229. PUBLISHED DECEMBER 27, 1938. Class 46.

386,372. INTESTINAL ASTRINGENT FOR POULTRY. ROBERT W. COOKE, doing business as Cooke Laboratory Products, Sepulveda, Calif.
Filed March 13, 1939. Serial No. 417,001. PUBLISHED JANUARY 28, 1941. Class 6.

386,373. AUTOMOBILE, TRACTOR, AND BICYCLE PNEUMATIC TIRES AND INNER TUBES, SOLID RUBBER TIRES, ETC. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.
Filed August 9, 1939. Under act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 422,448. PUBLISHED JANUARY 28, 1941. Class 35.

386,374. TABLE SYRUP. ROBINSON SYRUP CO., INC., Cairo, Ga.
Filed November 18, 1939. Serial No. 425,811. PUBLISHED JANUARY 28, 1941. Class 46.

386,375. ORNAMENTAL PREPARED BOWS MADE OF FABRICS AND COMPOSITION. GODETTE PRODUCTS CORPORATION, Newark, N. J.
Filed January 6, 1940. Serial No. 427,199. PUBLISHED JANUARY 28, 1941. Class 40.

386,376. TOILET SOAPS, SOAP PASTES, SOAP POWDERS, SOAP CREAM, AND LIQUID SOAPS. ROGER & GALLET, New York, N. Y.
Filed January 23, 1940. Serial No. 427,773. PUBLISHED JULY 16, 1940. Class 4.

386,377. BASE METAL TRAYS, PITCHERS, CASSEROLES, FRUIT BOWLS, SALAD BOWLS, CANDY DISHES, AND ROASTERS. EVERLAST METAL PRODUCTS CORP., New York, N. Y.
Filed January 27, 1940. Serial No. 427,931. PUBLISHED JANUARY 28, 1941. Class 13.

386,378. BASE METAL WARE CONSISTING OF THE FOLLOWING—TRAYS, PITCHERS, CASSEROLES, FRUIT BOWLS, SALAD BOWLS, CANDY DISHES, AND ROASTERS. EVERLAST METAL PRODUCTS CORP., New York, N. Y.
Filed February 24, 1940. Serial No. 428,869. PUBLISHED JANUARY 28, 1941. Class 13.

386,379. UNION SUITS, SHIRTS, UNDERSHIRTS, UNDERSHORTS, PAJAMAS, NECKTIES, SOCKS, HATS, SWEATERS, PANTS, SUITS, AND JACKETS FOR MEN AND BOYS. THE JOHNSTON-SHELTON COMPANY, Dayton, Ohio.
Filed March 4, 1940. Serial No. 429,183. PUBLISHED JANUARY 28, 1941. Class 39.

386,380. SHOWER CURTAINS. S. MEYER & Co., New York, N. Y.
Filed March 18, 1940. Serial No. 429,710. PUBLISHED JANUARY 28, 1941. Class 13.

386,381. WOODEN NOVELTY AND SKETCH BOXES (SOLD EMPTY), WOODEN DISPLAY CASES (SOLD EMPTY). STERGIUS T. PETRA, doing business as Petra Wood Novelty Co., New York, N. Y.
Filed April 5, 1940. Serial No. 430,376. PUBLISHED JANUARY 28, 1941. Class 2.

386,382. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed April 5, 1940. Serial No. 430,404. PUBLISHED JUNE 4, 1940. Class 40.

386,383. METHYL METHACRYLATE MONOMER AND METHYL METHACRYLATE POLYMER. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed May 1, 1940. Serial No. 431,446. PUBLISHED JANUARY 28, 1941. Class 6.

386,384. ELECTRIC REMOTE CONTROL SOUND DISTRIBUTION SYSTEMS. SINGING TOWERS, INC., Chicago, Ill.
Filed May 10, 1940. Serial No. 431,789. PUBLISHED JANUARY 28, 1941. Class 21.

386,385. OIL AND OINTMENT APPLIED TO WOUNDS, LACERATIONS, ABRASIONS, BURNS, AND WHEREVER TOPICAL DRESSING IS INDICATED. HOWARD D. DAY, doing business as High Chemical Company, Philadelphia, Pa.
Filed May 11, 1940. Serial No. 431,807. PUBLISHED JANUARY 28, 1941. Class 6.

386,386. CANNED VEGETABLES AND CANNED TOMATO JUICE. V. F. FARMER, doing business as V. F. Farmer Canning Company, Wapello, Iowa.
Filed June 13, 1940. Serial No. 432,972. PUBLISHED JANUARY 28, 1941. Class 46.

386,387. WRITING PAPER AND ENVELOPES. THE RYTEX COMPANY, Indianapolis, Ind.
Filed June 14, 1940. Serial No. 433,031. PUBLISHED OCTOBER 29, 1940. Class 37.

386,388. POULTRY FOOD. GENERAL MILLS, INC., Minneapolis, Minn.
Filed July 1, 1940. Serial No. 433,565. PUBLISHED OCTOBER 29, 1940. Class 46.

386,389. SHOES MADE OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF. THE SCHIFF COMPANY, Columbus, Ohio.
Filed July 2, 1940. Serial No. 433,629. PUBLISHED JANUARY 28, 1941. Class 39.

386,390. SOLUTIONS FOR EMULSIFER FOR OILS AND TARS. ORBIS PRODUCTS CORPORATION, New York, N. Y.
Filed July 9, 1940. Serial No. 433,792. PUBLISHED JANUARY 28, 1941. Class 6.

386,391. CLEANING COMPOUNDS FOR THE WASHING OF PAINTED SURFACES, AUTOMOBILES AND THE LIKE. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed July 9, 1940. Serial No. 433,803. PUBLISHED JANUARY 28, 1941. Class 4.

386,392. PHONOGRAPHS, ELECTRIC AND MECHANICAL; PHONOGRAPHS EQUIPPED WITH OSCILLATORS, PHONOGRAPHS WIRED TO RADIO, PHONOGRAPHS EQUIPPED WITH AMPLIFIERS. THE TEMPLE PHONOGRAPH & CABINET CORPORATION, Manchester, Conn.
Filed July 11, 1940. Serial No. 433,872. PUBLISHED JANUARY 28, 1941. Class 36.

386,393. PHONOGRAPHS, ELECTRIC AND MECHANICAL; PHONOGRAPHS EQUIPPED WITH OSCILLATORS, PHONOGRAPHS WIRED TO RADIO, PHONOGRAPHS EQUIPPED WITH AMPLIFIERS. THE TEMPLE PHONOGRAPH & CABINET CORPORATION, Manchester, Conn.
Filed July 11, 1940. Serial No. 433,873. PUBLISHED JANUARY 28, 1941. Class 36.

386,394. PREPARED MUSTARD. MUSTARD MAID, INC., New York, N. Y.
Filed August 2, 1940. Serial No. 434,609. PUBLISHED JANUARY 28, 1941. Class 46.

386,395. SALAD DRESSING. HARRY M. LEVIN, doing business as Golden Brand Food Products Co., Philadelphia, Pa.
Filed August 10, 1940. Serial No. 434,880. PUBLISHED JANUARY 28, 1941. Class 46.

386,396. CHEWING GUM. CHEW CHAW CO., New York, N. Y.
Filed August 15, 1940. Serial No. 435,014. PUBLISHED JANUARY 28, 1941. Class 46.

386,397. LEATHER SHOES. GOLD SHOE CO., Chicago, Ill.
Filed August 31, 1940. Serial No. 435,578. PUBLISHED JANUARY 21, 1941. Class 39.

386,398. WIRE SPLICING DEVICE IN THE FORM OF AN INSULATED CONNECTION FOR CONNECTING ELECTRIC WIRES. SPEE-DEE MANUFACTURING & SALES CO., Grand Rapids, Mich.
Filed September 3, 1940. Serial No. 435,634. PUBLISHED JANUARY 28, 1941. Class 21.

386,399. MEN'S SHOES MADE OF LEATHER. MOSINGER BROTHERS, St. Louis, Mo.
Filed September 6, 1940. Serial No. 435,726. PUBLISHED JANUARY 28, 1941. Class 39.

386,400. ELECTRIC LIGHTING FIXTURES, ELECTRIC LAMPS, GASEOUS CONDUCTION LAMPS, LAMP TUBING, ELECTRIC SIGNS, AND PARTS THEREOF AND PARTS THEREFOR. ZEON, Chicago, Ill.
Filed September 14, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 435,994. PUBLISHED JANUARY 28, 1941. Class 21.

386,401. DOG FOODS. THE ALBERT DICKINSON COMPANY, Chicago, Ill.
Filed September 24, 1940. Serial No. 436,303. PUBLISHED JANUARY 28, 1941. Class 46.

386,402. SEPARABLE SLIDE FASTENERS. CROWN FASTENER CORPORATION, Warren, R. I.
Filed September 30, 1940. Serial No. 436,501. PUBLISHED JANUARY 28, 1941. Class 13.

386,403. CHRONOGRAPHS, FLIGHT CALCULATORS. LILLIAN R. KLEPPER, doing business as Jardur Import Company, New York, N. Y.
Filed October 3, 1940. Serial No. 436,613. PUBLISHED JANUARY 28, 1941. Class 26.

386,404. HONEY, APPLE BUTTER, AND PRUNE JUICE. MAX AMS, INC., New York, N. Y., assignor to Horn & Hardart Baking Company, Philadelphia, Pa., a corporation of New Jersey.
Filed October 10, 1940. Serial No. 436,787. PUBLISHED DECEMBER 17, 1940. Class 46.

386,405. MILK IN POWDER, CONDENSED, AND EVAPORATED FORM. BESTOV PRODUCTS, INC., Long Island City, N. Y.
Filed October 12, 1940. Serial No. 436,875. PUBLISHED JANUARY 28, 1941. Class 46.

386,406. POTATOES. E. J. BRIGGS, Caribou, Maine.
Filed October 12, 1940. Serial No. 436,878. PUBLISHED JANUARY 28, 1941. Class 46.

386,407. RADIO RECEIVING AND RADIO SENDING SETS. THE SAMUEL STORES, INC., New York, N. Y.
Filed October 12, 1940. Serial No. 436,909. PUBLISHED JANUARY 28, 1941. Class 21.

386,408. STEEL IN THE FORM OF BARS, BLOCKS, RODS, AND PIECES OF VARIOUS SIZES. HAWKRIDGE BROTHERS COMPANY, Boston, Mass.
Filed October 16, 1940. Serial No. 436,999. PUBLISHED JANUARY 28, 1941. Class 14.

386,409. IGNITION COILS, DISTRIBUTOR PARTS, CONDENSERS, GENERATOR CUTOUTS, AND VOLTAGE REGULATORS. GUARANTEED PARTS CO., INC., Seneca Falls, N. Y.
Filed October 21, 1940. Serial No. 437,133. PUBLISHED JANUARY 28, 1941. Class 21.

386,410. LIQUID PREPARATION FOR INTERNAL USE IN RELIEVING ASTHMA, BRONCHITIS, AND INFLAMMATION IN THE RESPIRATIVE MEMBRANES IN THE LUNGS. JOHN DE PALMA, New York, N. Y.
Filed October 22, 1940. Serial No. 437,166. PUBLISHED JANUARY 28, 1941. Class 6.

386,411. WINES. ROMA WINE COMPANY, INC., Fresno, Calif.
Filed October 25, 1940. Serial No. 437,288. PUBLISHED DECEMBER 24, 1940. Class 47.

386,412. SKIS. GREGG MANUFACTURING COMPANY, St. Paul, Minn.
Filed October 26, 1940. Serial No. 437,309. PUBLISHED JANUARY 28, 1941. Class 22.

386,413. LADIES' BELTS MADE OF LEATHER OR SIMILAR MATERIALS. SLOTE & KLEIN, INC., Jersey City, N. J.
Filed October 26, 1940. Serial No. 437,323. PUBLISHED JANUARY 28, 1941. Class 39.

386,414. LADIES' BELTS MADE OF LEATHER OR SIMILAR MATERIALS. SLOTE & KLEIN, INC., Jersey City, N. J.
Filed October 26, 1940. Serial No. 437,324. PUBLISHED JANUARY 28, 1941. Class 39.

386,415. FRESH VEGETABLES. THE KENT VEGETABLE GROWERS' ASSOCIATION, Kent, Wash.
Filed October 28, 1940. Serial No. 437,340. PUBLISHED JANUARY 28, 1941. Class 46.

386,416. PHONOGRAPHS AND PHONOGRAPHIC APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed October 28, 1940. Serial No. 437,353. PUBLISHED JANUARY 28, 1941. Class 36.

386,417. FOOD PRODUCTS—NAMELY, VINEGAR AND MUSTARD SAUCE. HOUSE OF HERBS, INC., Canaan, Conn.
Filed October 31, 1940. Serial No. 437,444. PUBLISHED JANUARY 28, 1941. Class 46.

386,418. STOVE SURFACE HOT PLATES. H. H. PATRICK, doing business as Ade-O-Matic Company, Chicago, Ill.
Filed November 1, 1940. Serial No. 437,479. PUBLISHED JANUARY 28, 1941. Class 34.

386,419. MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING—NAMELY, SUITS, PANTS, JACKETS, CAPS, OUTER SHIRTS, ETC. SCHAINMAN SPORTWEAR CO., New York, N. Y.
Filed November 1, 1940. Serial No. 437,483. PUBLISHED JANUARY 28, 1941. Class 39.

386,420. WINES. JOHN T. REED, doing business as Reed Products Co., Los Angeles, Calif.
Filed November 4, 1940. Serial No. 437,577. PUBLISHED JANUARY 28, 1941. Class 47.

386,421. LIQUID LEVEL INDICATORS. LAN GAGE, INC., Minneapolis, Minn.
Filed November 6, 1940. Serial No. 437,625. PUBLISHED JANUARY 28, 1941. Class 26.

386,422. ROLLED OATS. NORTHERN ILLINOIS CEREAL COMPANY, Lockport, Ill.
Filed November 9, 1940. Serial No. 437,737. PUBLISHED JANUARY 28, 1941. Class 46.

386,423. LADIES' AND MISSES' SLIPS, PETTICOATS, BLOOMERS, UNDERSHIRTS, UNDERSHORTS, UNDERSHIRT AND PANTIE COMBINATIONS, PANTIES, AND BRASSIÈRES. LUXURAY, INC., New York, N. Y.
Filed November 12, 1940. Serial No. 437,776. PUBLISHED JANUARY 28, 1941. Class 39.

386,424. MEN'S, WOMEN'S, AND CHILDREN'S COATS, SUITS, SWEATERS, SLACKS, SPORT OUTER SHIRTS, HATS, RAINCOATS, GLOVES MADE FROM LEATHER, FABRIC, OR RUBBER, AND WOMEN'S AND CHILDREN'S OUTER SKIRTS AND BLOUSES. MORRIS MANTLES LTD., London, England.
Filed November 14, 1940. Serial No. 437,876. PUBLISHED JANUARY 28, 1941. Class 39.

386,425. VENETIAN BLINDS. KIRSCH COMPANY, Sturgis, Mich.
Filed November 16, 1940. Serial No. 437,950. PUBLISHED JANUARY 28, 1941. Class 32.

386,426. CATALYTIC LIGHTERS. WALTER D. DAVIES, Jackson Heights, N. Y.
Filed November 19, 1940. Serial No. 438,039. PUBLISHED JANUARY 28, 1941. Class 34.

386,427. EXERCISING APPARATUS. ALFRED W. TURNER, doing business as Slimachine Co., Philadelphia, Pa.
Filed November 20, 1940. Serial No. 438,101. PUBLISHED JANUARY 28, 1941. Class 22.

386,428. COSMETICS SUCH AS FACE CREAMS AND FACE POWDERS. JOSEPH NEFSKY, doing business as Blem-Ban Products Co., Chicago, Ill.
Filed November 25, 1940. Serial No. 438,206. PUBLISHED JANUARY 28, 1941. Class 6.

386,429. EASELS, WOODEN DISPLAY CABINETS AND PICTURE FRAMES, DISPLAY STANDS, AND RACKS. STEBGIUS T. PETRA, New York, N. Y.
Filed November 25, 1940. Serial No. 438,212. PUBLISHED JANUARY 28, 1941. Class 32.

386,430. GLASS CLEANER. BEACON CHEMICAL CORPORATION, Philadelphia, Pa.
Filed November 27, 1940. Serial No. 438,260. PUBLISHED JANUARY 28, 1941. Class 4.

386,431. BOOTS OR BANDAGES OF RUBBER OR FABRIC OR BOTH FOR PROTECTING THE HOOFS OF COWS AND OTHER HOOFED ANIMALS, KEEPING THEM CLEAN, AND AIDING IN THE MEDICATION AND CURE OF ALL HOOF INFECTIONS AND SORENESS. BANCROFT W. HENDERSON, Montclair, N. J.
Filed November 29, 1940. Serial No. 438,336. PUBLISHED JANUARY 28, 1941. Class 44.

386,432. COMBINED AMUSEMENT AND EXERCISING DEVICES. JAMES J. CHARTERS, Washington, D. C.
Filed December 3, 1940. Serial No. 438,468. PUBLISHED JANUARY 28, 1941. Class 22.

386,433. LOUNGE CHAIRS. THE WOLWIN CHAIR COMPANY, Willoughby, Ohio.
Filed December 5, 1940. Serial No. 438,562. PUBLISHED JANUARY 28, 1941. Class 32.

386,434. CHEMICALLY TREATED STARCH, PRINCIPALLY IN POWDERED FORM, FOR USE IN THE PAPER INDUSTRY. HOWARD D. MEINCKE, Chicago, Ill.
Filed December 6, 1940. Serial No. 438,577. PUBLISHED JANUARY 28, 1941. Class 6.

386,435. LIPSTICKS. POND'S EXTRACT COMPANY, New York, N. Y.
Filed December 6, 1940. Serial No. 438,585. PUBLISHED JANUARY 28, 1941. Class 6.

386,436. RUBBER TIRES FOR VEHICLES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed December 6, 1940. Serial No. 438,593. PUBLISHED JANUARY 28, 1941. Class 35.

386,437. CAPSULES OF FISH LIVER OIL. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo.
Filed December 7, 1940. Serial No. 438,604. PUBLISHED JANUARY 28, 1941. Class 6.

386,438. TEXTILE PRINTING PASTES, TEXTILE COLORS, AND EXTENDERS AND THINNERS FOR SUCH PASTES AND COLORS. ARIDYE CORPORATION, Fair Lawn, N. J.
Filed December 10, 1940. Serial No. 438,677. PUBLISHED JANUARY 28, 1941. Class 6.

386,439. LIQUID PREPARATIONS FOR APPLICATION TO THE HAIR. ARLETTE, INC., Bloomfield, N. J.
Filed December 12, 1940. Serial No. 438,750. PUBLISHED JANUARY 28, 1941. Class 6.

386,440. LIQUID PREPARATIONS FOR APPLICATION TO THE HAIR. ARLETTE, INC., Bloomfield, N. J.
Filed December 12, 1940. Serial No. 438,751. PUBLISHED JANUARY 28, 1941. Class 6.

386,441. PHARMACEUTICAL PREPARATION, MORE PARTICULARLY VITAMIN E CONCENTRATE. DISTILLATION PRODUCTS, INC., Rochester, N. Y.
Filed December 13, 1940. Serial No. 438,793. PUBLISHED JANUARY 28, 1941. Class 6.

386,442. ALL-METAL SPRAY, OPERATING BY FAUCET WATER PRESSURE, FOR TREATMENT OF VAGINAL TISSUES. JOSEPH T. SULLIVAN, doing business as Gydro Spray Company, Philadelphia, Pa.
Filed December 13, 1940. Serial No. 438,818. PUBLISHED JANUARY 28, 1941. Class 44.

386,443. LAXATIVE OF MINERAL OIL AND AGAR. WILCO DRUG, INC., Brooklyn, N. Y.
Filed December 13, 1940. Serial No. 438,823. PUBLISHED JANUARY 28, 1941. Class 6.

386,444. VENETIAN BLINDS. THE CHAS. W. BRENEMAN CO., Cincinnati, Ohio.
Filed December 16, 1940. Serial No. 438,862. PUBLISHED JANUARY 28, 1941. Class 32.

386,445. VENETIAN BLINDS. THE CHAS. W. BRENEMAN CO., Cincinnati, Ohio.
Filed December 16, 1940. Serial No. 438,863. PUBLISHED JANUARY 28, 1941. Class 32.

386,446. VENETIAN BLINDS. THE CHAS. W. BRENEMAN CO., Cincinnati, Ohio.
Filed December 16, 1940. Serial No. 438,864. PUBLISHED JANUARY 28, 1941. Class 32.

386,447. SOLVENT FLUID FOR LOOSENING HARD GUM AND CARBON IN MOTORS. ELMER M. DE PENCIER, doing business as Permorite Products Co., Los Angeles, Calif.
Filed December 16, 1940. Serial No. 438,870. PUBLISHED JANUARY 28, 1941. Class 6.

386,448. SPECIALLY PREPARED LIQUID SUBSTANCE FOR USE IN RECONDITIONING FABRICS, FOR RESTORING THE NATURAL COLOR THEREOF, AND FOR COVERING SPOTS, STAINS, AND RENEWING FADED OR WATER-STAINED DOOR PANELS, SIDE PANELS, HEADLININGS, RUGS, AND SUN VISORS. CLARK SLOAN CO., Shawnee, Okla.
Filed December 17, 1940. Serial No. 438,922. PUBLISHED JANUARY 28, 1941. Class 6.

386,449. APPARATUS FOR PURIFYING AND SOFTENING WATER. WARLO CORPORATION, New York, N. Y.
Filed December 17, 1940. Serial No. 438,968. PUBLISHED JANUARY 28, 1941. Class 31.

386,450. PHOTOGRAPHIC PREPARATIONS AND PHOTOGRAPHIC CHEMICALS. FINK-ROSELIEVE CO., INC., New York, N. Y.
Filed December 18, 1940. Serial No. 438,980. PUBLISHED JANUARY 28, 1941. Class 6.

386,451. GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed December 18, 1940. Serial No. 438,990. PUBLISHED JANUARY 28, 1941. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

386,452. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RILLING-ARNAO COMPANY, Minneapolis, Minn. Filed Dec. 8, 1939. Serial No. 426,376.

Pre-Treet

FOR CREAMS AND HAIR CONDITIONING SOLUTIONS FOR USE ON HUMAN HAIR BEFORE THE SAME IS PERMANENTLY WAVED.
Claims use since Sept. 29, 1339.

386,453. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DAVID W. DUNBERG, New York, N. Y. Filed Feb. 2, 1940. Serial No. 428,155.

KNIT KIT



FOR KNITTING BAGS.
Claims use since August, 1939.

386,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PHOTO TECHNICAL CORPORATION, South Norwalk, Conn. Filed Mar. 5, 1940. Serial No. 429,230.

MONOBATH

FOR DEVELOPER AND FIXER FOR FILMS.
Claims use since Feb. 14, 1940.

386,455. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) WEST BEND ALUMINUM CO., West Bend, Wis. Filed June 13, 1940. Serial No. 432,992.

Cooksbest
ALUMINUM

FOR ALUMINUM TABLE AND COOKING HOLLOW WARE.
Claims use since Dec. 20, 1930.

386,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER J. SOBAN, doing business as Sabo Chemical Products, Chicago, Ill. Filed Aug. 31, 1940. Serial No. 435,593.

SABO

FOR LAUNDRY BLEACH, DISINFECTANT, LIQUID AMMONIA, LIQUID INSECT SPRAY, AND ROACH POWDER.
Claims use since May 14, 1934.

386,457. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) L. A. CROW, Santa Rosa, Calif. Filed Sept. 19, 1940. Serial No. 436,116.

KLIPPERS

FOR GARMENT CLASPS.
Claims use since Feb. 18, 1940.

386,458. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SALVATORE F. TESORO, doing business as Tesoro Brand Products Co. and also as Chicago Spice & Flavoring Extract Co., Chicago, Ill. Filed Nov. 16, 1940. Serial No. 437,976.

TESORO

FOR OLIVE OIL, VINEGAR, CANNED SOUP, CHEESE, ALIMENTARY PASTE, COFFEE, SPICES, A COMPOUND OF FLOUR AND EGGS DESIGNED TO BE ADDED TO BROTH PREPARED FOR INFANTS AND CHILDREN, FLAVORING EXTRACTS FOR FOOD PURPOSES, AND PRESERVED VEGETABLES.
Claims use since May 1, 1917.

386,459. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIETRICH & GAMBRILL, INC., Frederick, Md. Filed Dec. 17, 1940. Serial No. 438,924.

PEN MAR

FOR POULTRY AND LIVE STOCK FEEDS.
Claims use since January, 1930.

386,460. (CLASS 39. CLOTHING.) RAFKIN BROS., New York, N. Y. Filed Dec. 18, 1940. Serial No. 438,994.

McTavish

FOR MEN'S AND YOUNG MEN'S SPORTSWEAR—NAMELY, PANTS, SPORTS SHIRTS, SPORTS JACKETS, AND MACKINAWS.
Claims use since January, 1938.

386,461. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WILLIAM B. O'BRIEN, JR., Port Huron, Mich. Filed Jan. 21, 1941. Serial No. 439,826.

Spareaire

FOR PNEUMATIC TIRE INFLATORS IN THE NATURE OF FLEXIBLE HOSE WITH FITTINGS AND VALVES ATTACHED.
Claims use since June 15, 1939.

TRADE-MARK REGISTRATIONS RENEWED

137,132. **QUEEN MAB.** LADIES' BOOTS, SHOES, AND SLIPPERS. Registered November 23, 1920. THOMAS BROWN & CO. (LEICESTER) LIMITED, Leicester, England, an organized company of Great Britain. Renewed November 23, 1940.

139,822. **SWISS-MAID.** COTTON PIECE GOODS. Registered February 22, 1921. GUS. IGSTAEDTER. Renewed February 22, 1941, to Swiss Mills, Inc., New York, N. Y., a corporation of New York, assignee.

139,900. **SUPER-MILK.** CANDIES. Registered February 22, 1921. SWEET CANDY COMPANY, Salt Lake City, Utah, a corporation of Utah. Renewed February 22, 1941.

140,432. **SIMPLICITY.** PLAITERS. Registered March 15, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed March 15, 1941.

140,435. **KALNITE.** ANTISEPTIC POWDER. Registered March 15, 1921. SHARP & DOHME, Baltimore, Md. Renewed March 15, 1941, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee by mesne assignments.

140,456. **CASCADE LINEN.** WRITING PAPER AND ENVELOPS. Registered March 15, 1921. UNITED DRUG COMPANY. Renewed March 15, 1941, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

140,545. **APPECO.** RAW TIMBER. Registered March 22, 1921. AMERICAN PITCH PINE EXPORT COMPANY, Wilmington, Del., and New Orleans, La. Renewed March 22, 1941, to American Pitch Pine Export Company, Inc., New Orleans, La., a corporation of Louisiana, assignee.

140,571. **Y L.** PRINTED VOLUMES OF POETRY. Registered March 22, 1921. DAYTON C. BRENINGER, Massillon, Ohio. Renewed March 22, 1941.

140,594. **ROCKY MOUNTAIN.** HONEY. Registered March 22, 1921. THE FOSTER HONEY & MERCANTILE CO., Boulder, Colorado. Renewed March 22, 1941, to The Morey Mercantile Company, Denver Colo., a corporation of Colorado, assignee.

140,691. **AIREDALE.** WHITE AND COLORED BOND-PAPER FOR WRITING, PRINTING, AND WRAPPING PURPOSES. Registered March 22, 1921. FLORA M. WARNER. Renewed March 22, 1941, to O. F. H. Warner. & Co., Inc., Baltimore, Md., a corporation of Maryland, successor.

140,786. **CREDIT.** PUBLICATIONS ISSUED AT REGULAR INTERVALS. Registered March 29, 1921. THE CREDIT CLEARING HOUSE, Jersey City, N. J., and New York, N. Y. Renewed March 29, 1941, to The Credit Clearing House, New York, N. Y., a corporation of New Jersey.

140,965. **SLUMBERSOUND.** COTTON-BATTING. Registered March 29, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed March 29, 1941.

141,419. **NEW PERIOD.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered April 19, 1921. NEW YORK WOODFINISHERS' SUPPLY CO. INC., New York, N. Y., a corporation of New York. Renewed April 19, 1941.

141,501. **SAFETY VALVE.** ELECTRIC FUSES AND CUT-OUTS. Registered April 26, 1921. BUSSMANN MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 26, 1941.

141,561. **GK.** BRACELETS, BROOCHES, AND FINGER-RINGS OF PRECIOUS METAL. Registered April 26, 1921. THE GOLDMAN-KOLBER CO., INC. Renewed April 26, 1941, to The Goldman-Kolber Co. Inc., New York, N. Y., a corporation of New York, successor.

141,670. **GOLDEN CROWN.** WOOL YARN. Registered April 26, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed April 26, 1941.

142,317. **CAPA.** LEATHER AND FABRIC SHOES AND INSOLES AND HEELS. Registered May 10, 1921. PHILADELPHIA SHOE REPAIRING COMPANY, INC. Renewed May 10, 1941, to Frank P. Capotosto, doing business as "Capa Shoe Service," Philadelphia, Pa., assignee.

142,337. **FLORIDA COAL.** COAL. Registered May 10, 1921. ST. LOUIS COAL CO., St. Louis, Mo., and Coulterville, Ill. Renewed May 10, 1941, to St. Louis Coal Co., St. Louis, Mo., a corporation of Illinois.

142,711. **PHENIX.** CHEESE, BUTTER, AND EGGS. Registered May 17, 1921. PHENIX CHEESE COMPANY, New York, N. Y. Renewed May 17, 1941, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

143,108. **MIRABEL.** BISCUIT. Registered May 24, 1921. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 24, 1941, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

143,135. **ANGELUS.** PERFUMES, COSMETICS, AND SKIN-LOTIONS. Registered May 24, 1921. LOUIS PHILIPPE, New York, N. Y. Renewed May 24, 1941, to Affiliated Products, Inc., Jersey City, N. J., a corporation of Illinois, assignee by mesne assignments.

143,272. **HOMASOTE.** FIBER-BOARDS SOLD IN SHEETS. Registered May 31, 1921. THE AGASOTE MILLBOARD CO. Renewed May 31, 1941, to Homasote Company, Trenton, N. J., a corporation of New Jersey, by change of name.

143,318. **JADSON'S.** VALVES FOR INTERNAL-COMBUSTION ENGINES. Registered May 31, 1921. J. A. DRAKE AND SONS, Reedley, Calif. Renewed May 31, 1941, to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio, assignee.

143,624. **THE TIRE NEWS.** PERIODICAL ISSUED MONTHLY BY THE APPLICANT. Registered June 7, 1921. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed June 7, 1941.

143,683. **CALOMEX.** A PROPHYLACTIC OINTMENT. Registered June 7, 1921. MENLEY & JAMES, LIMITED, New York, N. Y., a corporation of New York. Renewed June 7, 1941.

143,693. **FRUTANA.** BISCUIT. Registered June 7, 1921. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed June 7, 1941, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

143,723. **CALIFORNIA POPPY.** FRESH CITRUS FRUITS. Registered June 7, 1921. REDLANDS HEIGHTS ORCHARDS, LTD. Renewed June 7, 1941, to Mutual Orange Distributors, Redlands, Calif., a corporation of California, successor.

144,202. **M.** CASTINGS MADE OF CERTAIN METALS. Registered June 28, 1921. MILWAUKEE STEEL FOUNDRY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 28, 1941.

144,299. **DELICA-BROW.** EYEBROW-DRESSING. Registered June 28, 1921. JAMES LESLIE YOUNGHUSBAND, Chicago, Ill. Renewed June 28, 1941, to Affiliated Products, Inc., Jersey City, N. J., a corporation of Illinois, assignee by mesne assignments.

144,352. **LAUREL.** CONFECTIONERY — NAMELY, CHOCOLATE COATINGS. Registered July 5, 1921. THE BORDEN COMPANY, New York, N. Y., a corporation of New Jersey. Renewed July 5, 1941.

144,545. **GILSONITE.** ASPHALTUM. Registered July 12, 1921. THE BARBER ASPHALT PAVING COMPANY, Philadelphia, Pa. Renewed July 12, 1941, to Barber Asphalt Corporation, Barber, N. J., a corporation of New Jersey, assignee.

144,682. **JOLLY TIME.** POPCORN IN ITS NATURAL STATE. Registered July 19, 1921. AMERICAN POP CORN COMPANY, Sioux City and Schaller, Iowa. Renewed July 19, 1941, to American Pop Corn Company, Sioux City, Iowa, a corporation of Iowa, assignee.

144,683. **REPRESENTATION OF AN INDIAN HEAD.** POPCORN IN ITS NATURAL STATE. Registered July 19, 1921. AMERICAN POP CORN COMPANY, Sioux City and Schaller, Iowa. Renewed July 19, 1941, to American Pop Corn Company, Sioux City, Iowa, a corporation of Iowa, assignee.

144,823. **CHESHIRE PRODUCTS.** DEHYDRATED WELSH RABBIT. Registered July 19, 1921. CHESHIRE KITCHENS, INC., Dover, Del., and New York, N. Y. Renewed July 19, 1941, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

144,900. **CRACKER JACK.** ICE-CREAM CONES. Registered July 19, 1921. RUECKHEIM BROS. & ECKSTEIN. Renewed July 19, 1941, to The Cracker Jack Co., Chicago, Ill., a corporation of Illinois, assignee.

144,961. **VACUUM.** CERTAIN NAMED BELTING. Registered July 19, 1921. VACUUM BELTING COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed July 19, 1941.

145,026. **KEYSTONE.** IRON AND STEEL SHEETS AND PLATES, AND TIN AND TERNE PLATES. Registered July 26, 1921. AMERICAN SHEET AND TIN PLATE COMPANY. Renewed July 26, 1941, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey, by merger.

145,131. **YAQUI.** PIECE GOODS WITH A COTTON OR MIXED WARP AND FILLING OF WOOL, ETC. Registered July 26, 1921. LESHER, WHITMAN & CO., INC., New York, N. Y. Renewed July 26, 1941, to Goodall Worsted Company, Sanford, Maine, a corporation of Maine, successor.

145,132. **DOUBLE-END.** PIECE GOODS WITH A COTTON OR MIXED WARP AND FILLING OF WOOL, ETC. Registered July 26, 1921. LESHER, WHITMAN & CO., INC., New York, N. Y. Renewed July 26, 1941, to Goodall Worsted Company, Sanford, Maine, a corporation of Maine, successor.

145,156. **REGENT.** BABBITT METAL. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY. Renewed July 26, 1941, to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York, assignee.

145,157. **CRESCENT.** BABBITT METAL. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY. Renewed July 26, 1941, to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York, assignee.

145,158. **HOO-HOO.** BABBITT METAL. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY. Renewed July 26, 1941, to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York, assignee.

145,159. **REX.** BABBITT METAL. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY. Renewed July 26, 1941, to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York, assignee.

145,160. **TIGER.** BEARING METAL. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY. Renewed July 26, 1941, to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York, assignee.

145,231. **HOBBIES.** BISCUIT. Registered July 26, 1921. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed July 26, 1941, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

145,323. **BISHOP'S.** CRACKERS, BISCUITS, AND CAKES, CANDY, CHOCOLATES, PEANUT-BARS, FIG-BARS, COCOA, AND CHOCOLATE. Registered August 2, 1921. BISHOP & COMPANY, Los Angeles, Calif. Renewed August 2, 1941, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee.

145,329. **GREEN SEAL.** BREAD. Registered August 2, 1921. CABLE-DRAPER BAKING COMPANY. Renewed August 2, 1941, to Gordon Baking Company, Detroit, Mich., a corporation of Michigan, assignee.

145,461. **REPRESENTATION OF AN OVAL FRAME.** SOAPS. Registered August 2, 1921. ALFRED H. SMITH COMPANY. Renewed August 2, 1941, to Vadsco Sales Corporation, New York, N. Y., a corporation of Delaware, assignee.

145,545. **DEW-TASTE.** CANNED FRUITS AND CANNED VEGETABLES. Registered August 9, 1921. CALIFORNIA CO-OPERATIVE CANNERIES, San Jose, Calif. Renewed August 9, 1941, to Tri-Valley Packing Association, San Francisco, Calif., a corporation of California, assignee.

145,605. **MEADOW-GOLD.** ICE-CREAM. Registered August 16, 1921. BEATRICE CREAMERY COMPANY. Renewed August 16, 1941, to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware, assignee.

145,628. **FRECKLES.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered August 16, 1921. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed August 16, 1941.

145,630. **GINGINOL.** A PALLIATIVE FOR PYORRHEA ALVEOLARIS OR RIGG'S DISEASE. Registered August 16, 1921. FRED. W. CLEMENTS. Renewed August 16, 1941, to International Laboratories, Inc., Rochester, N. Y., a corporation of New York, assignee.

145,632. **WEATHERFIELD.** CERTAIN ARTICLES OF CLOTHING. Registered August 16, 1921. COHEN, GOLDMAN & CO., INC., New York, N. Y., a corporation of New York. Renewed August 16, 1941.

145,635. **WHITE CLEMATIS.** SOAPS. Registered August 16, 1921. COLGATE & COMPANY. Renewed August 16, 1941, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

145,636. **TOPAZ.** WHEAT-FLOUR. Registered August 16, 1921. THE COLORADO MILLING & ELEVATOR CO., Denver, and Eaton, Colo., a corporation of Colorado. Renewed August 16, 1941.

145,686. **ROAMER.** BICYCLES. Registered August 16, 1921. D. P. HARRIS HARDWARE & MANUFACTURING CO. INC., New York, N. Y., a corporation of New York. Renewed August 16, 1941.

145,687. **BLUE RIBBON.** BICYCLES. Registered August 16, 1921. D. P. HARRIS HARDWARE & MANUFACTURING CO. INC., New York, N. Y., a corporation of New York. Renewed August 16, 1941.

145,718. **HYGIENOL.** TALCUM POWDER, FACE-POWDER, COLD-CREAM, ROUGE, COMPACT-POWDER, AND EYEBROW-PENCILS. Registered August 16, 1921. MAURICE LEVY, New York, N. Y. Renewed August 16, 1941, to Hygienol Company, Inc., New Rochelle, N. Y., a corporation of New York, assignee.

145,781. **ARCH FORM.** BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. Registered August 16, 1921. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed August 16, 1941, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee by mesne assignments.

145,798. **REIS.** CERTAIN ARTICLES OF CLOTHING. Registered August 16, 1921. ROBERT REIS & CO., New York, N. Y., a corporation of New York. Renewed August 16, 1941.

145,845. **VOCO.** OILS, GREASES, AND WAXES OF ALL KINDS AND SIMILAR PRODUCTS FOR LUBRICATING, ILLUMINATING, HEATING, AND FUEL PURPOSES; ALSO GASOLENE. Registered August 16, 1921. VACUUM OIL COMPANY. Renewed August 16, 1941, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

145,864. **LONG LIFE.** HOSE OF RUBBER AND COTTON CANVAS DUCK. Registered August 16, 1921. THE WHITEHEAD BROS. RUBBER CO., Trenton, N. J., a corporation of New Jersey. Renewed August 16, 1941.

145,961. **GEORGE HARRIS.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered August 23, 1921. GEORGE HARRIS, Calgary, Alberta, Canada. Renewed August 23, 1941.

REISSUES

APRIL 8, 1941

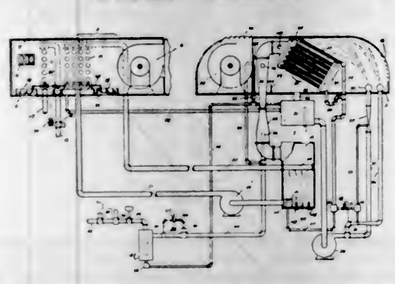
21,761

AIR CONDITIONING SYSTEM FOR VEHICLES EMPLOYING STEAM EJECTORS

Carlyle M. Ashley, Summit, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware

Original No. 2,081,905, dated June 1, 1937, Serial No. 629,177, August 12, 1932. Application for reissue June 23, 1937, Serial No. 149,919

20 Claims. (Cl. 62—6)



20. In a steam jet refrigerating system including a condenser and an evaporator, a source of steam, means for utilizing steam from said source for reducing the pressure in said evaporator, a water circulating system for condensing steam in said condenser, means for supplying the resultant condensate to a pair of conduits, means in combination with a first of said conduits for utilizing a portion of the condensate for removing heat from said condenser and means in combination with the other of said conduits for supplying another portion of said condensate to said evaporator, an air cooling means operatively associated with said evaporator for dehumidifying air whereby condensate is formed and means for supplying said last mentioned condensate to one of said conduits.

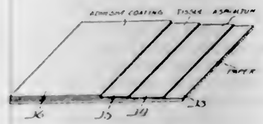
21,762

ADHESIVE SHEETING

Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Minnesota

Original No. 1,856,986, dated May 3, 1932, Serial No. 46,492, July 27, 1925. Renewed October 1, 1931. Application for reissue May 3, 1934, Serial No. 723,793

15 Claims. (Cl. 154—50)



1. A normally removable and reusable adhesive tape comprising a paper backing having one side thereof coated with an adhesive which is tacky under normal atmospheric conditions, its opposite side coated with a protective coating including a waterproofing material.

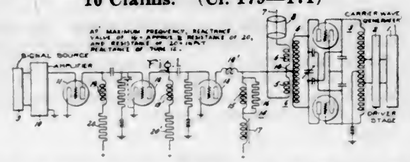
21,763

HIGH FREQUENCY CIRCUITS

George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Original No. 2,190,513, dated February 13, 1940, Serial No. 70,567, March 24, 1936. Application for reissue January 28, 1941, Serial No. 376,349

10 Claims. (Cl. 179—171)



8. In combination, a source of oscillations having component frequencies extending over a wide range, a circuit including a total input capacity reactance, and a coupling impedance network for impressing said oscillations on said capacity reactance including a resistance having a value approximately equal to said capacity reactance at the highest frequency to be transmitted and an inductance connected in series with said resistance, said inductance and resistance being connected in shunt to said capacity reactance, said inductance having a reactance value at the highest frequency to be transmitted equal approximately to one-half the value of said resistance.

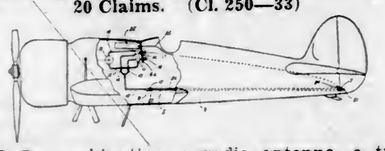
21,764

RADIO ANTENNA RETRACTING MECHANISM

George Ellis Irvin, Los Angeles, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original No. 2,080,539, dated May 18, 1937, Serial No. 738,552, August 4, 1934. Application for reissue September 28, 1938, Serial No. 232,214

20 Claims. (Cl. 250—33)



12. In combination, a radio antenna, a tube forming a housing for said antenna, a source of fluid pressure connected to said tube, and means operated by said fluid pressure for ejecting said antenna from said tube.

21,765

SWITCH

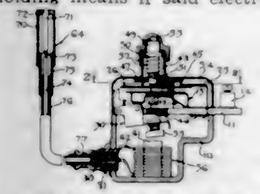
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Original No. 2,165,801, dated July 11, 1939, Serial No. 94,529, August 6, 1936. Application for reissue April 13, 1940, Serial No. 329,550

10 Claims. (Cl. 200—87)

1. In combination, a switch movable between first and second controlling positions and biased to a first position, holding means comprising an electromagnet for holding an element associated

with said switch in a position wherein said switch is biased to said second controlling position, actuating means for moving said switch, without moving the same to said second controlling position, to a position wherein said element is held by said holding means if said electromagnet is



energized, said biasing means being operative upon further movement of said actuating means to move said switch to said second controlling position, and means to prevent movement of said switch from said second circuit controlling position by said actuating means.

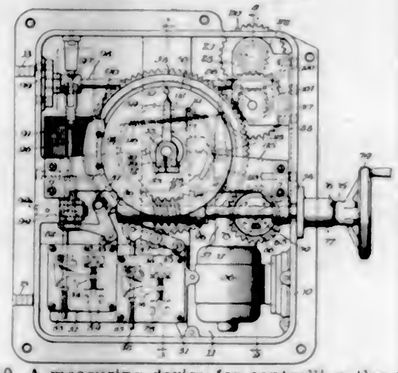
21,766

AUTOMATIC CONTROLLING APPARATUS FOR STRIP FEEDING MECHANISM

Frederick M. Littell, Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill., a corporation of Illinois

Original No. 2,140,755, dated December 20, 1938, Serial No. 179,459, December 13, 1937. Application for reissue January 21, 1941, Serial No. 375,337

22 Claims. (Cl. 33—132)



10. A measuring device for controlling the operation of mechanism for feeding strip material including a member adapted to be moved in one direction by said mechanism proportional to the feeding of said material, means positioned for successive actuation by said member during movement thereof including means operative to reduce the speed of said mechanism whereby the feeding of said material takes place at a slower speed, and means for stopping said mechanism.

21,767

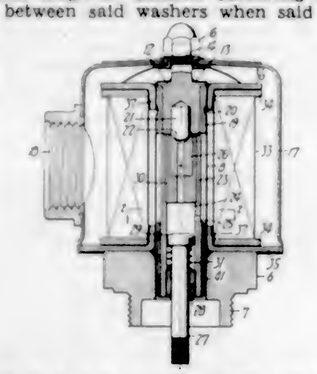
SOLENOID

William A. Ray, Glendale, Calif., assignor to General Controls Company, a corporation of California

Original No. 2,098,196, dated November 2, 1937, Serial No. 105,400, October 13, 1936. Application for reissue August 5, 1938, Serial No. 223,297

4 Claims. (Cl. 175—338)

1. In an alternating current solenoid, a coil having a passage therethrough, magnetic washers at either end of said coil, a solenoid plunger movable through said passage axially upon energization of said coil into engagement with stop means positioned at one end of said passage to align that end of the plunger in a definite single position axially of said passage, said plunger including an inner magnetic member encased at least partially by a non-magnetic member and an outer magnetic member extending substantially between said washers when said plunger



engages said stop, said members being fixedly joined together into a single unit movable as such, said inner magnetic member engaging said stop means, and a non-magnetic sleeve carried by the plunger and positioned thereon to distribute more evenly flux from one of said washers adjacent the other end of the plunger and maintain said other plunger end in a single position in said passage whereby humming is absent.

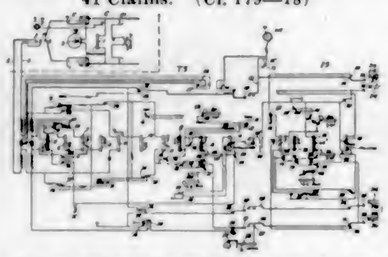
21,768

TELEPHONE SYSTEM

Norman H. Saunders, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original No. 1,971,505, dated August 28, 1934, Serial No. 615,970, June 8, 1932. Application for reissue June 5, 1940, Serial No. 338,999

41 Claims. (Cl. 179—18)



1. In an automatic switch having access to a plurality of groups of trunks, a switching relay having a polarizing winding and an operating winding, means for energizing said operating winding responsive to the switch being taken into use to prepare the relay for operation, means responsive to directive control for positioning the switch in selective relation with any one of said trunk groups, means for automatically operating the switch to hunt over the trunks of a selected group, means for energizing said operating winding to operate the relay responsive to the switch finding an idle trunk

in the group hunted over, and means controlled by said relay for interrupting the automatic operation and for effecting the seizure of the idle trunk.

21,769

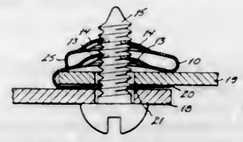
SHEET METAL NUT

George A. Tinnerman, Cleveland, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Original No. 2,140,064, dated December 13, 1938, Serial No. 167,307, October 4, 1937. Application for reissue October 2, 1940, Serial No. 359,450

4 Claims. (Cl. 85—36)

4. A sheet metal nut, comprising a body having a protuberance therein provided with an opening, the edge of said opening being shaped to provide a thread for a bolt, a portion formed integrally with said body and return-bent to overhang said protuberance, an opening in said



portion aligned with said first-named opening, lug means depending from said portion toward said body, and means formed as a part of said body to attach said nut to the structure with which it is to be used.

PATENTS

GRANTED APRIL 8, 1941

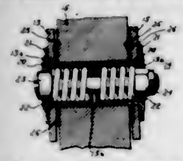
2,237,283

ELECTRIC CIRCUIT BREAKER

Ralph J. Baskerville, Yeadon, and Benjamin E. Spiro, Philadelphia, Pa., assignors to General Electric Company, a corporation of New York

Application April 23, 1940, Serial No. 331,148

3 Claims. (Cl. 200—162)



1. In a pivoted electrical connection, a current-conducting member, a current-carrying bar, means for pivotally mounting said bar to said current-conducting member to provide an electrical pressure contact therebetween comprising a cup-shaped pintle having a flange for engaging one of said members, a low pressure-gradient spring mounted within said pintle, and means cooperating with said spring for producing a substantially constant pressure between said current-conducting member and said bar.

2,237,284

PREPARATION OF STYRENE OXIDE AND DERIVATIVES THEREOF

Francis N. Alquist, Midland, Mich., and Cyrus O. Guss, Wolford, N. Dak., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 19, 1939, Serial No. 285,350

4 Claims. (Cl. 260—348)

1. The method of preparing styrene oxide which comprises reacting approximately equimolecular proportions of styrene and bromine in the presence of a considerable excess of water at a temperature of 90°–100° C. to form styrene bromhydrin, treating the bromhydrin thus formed at a temperature of 40°–75° C. with an aqueous alkaline solution containing alkali in a quantity approximately equivalent to the styrene initially employed, whereby styrene oxide is formed, and recovering the styrene oxide.

2,237,285

PREHEATER FOR VAPORIZERS IN OIL BURNERS

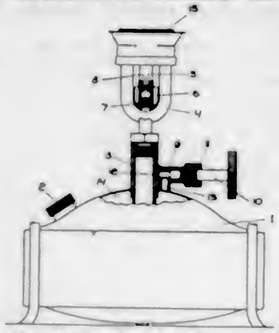
John A. Almström and Frithiof Ekstrand, Sodertalje, Sweden

Application March 9, 1938, Serial No. 194,970

In Sweden March 10, 1937

1 Claim. (Cl. 158—83)

A preheating burner comprising, a cup-shaped receptacle, an air duct passing axially through said receptacle and discharging axially through a constricted orifice, a substantially cylindrical heat conducting metallic gauze wick positioned upon the bottom of the receptacle and radially spaced from said air duct and the walls of said receptacle, said wick extending above the discharge orifice of said duct, and means to supply air under pressure to said duct whereby when the receptacle is partially filled with petroleum and ignited and air under pressure is caused to pass through the orifice, the pressure in the zone defined between the wick and duct will be lower than the pressure in the zone defined between the receptacle and the wick, and the combined action of capillarity, air discharge and conduc-



tion of heat to the petroleum through the medium of the wick will cause petroleum in the upper portion of the wick to vaporize or approach vaporization while a flow of air will be induced to cause said partially vaporized petroleum to pass radially through the wick in a direction toward said air duct and to be entrained for burning thereabove.

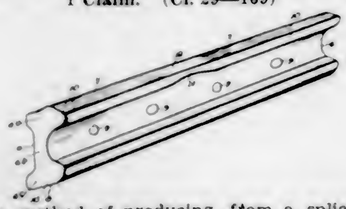
2,237,286

METHOD OF PRODUCING SPLICE BARS

Edward W. Backes, Evanston, Ill., assignor to Poor & Company, New York, N. Y., a corporation of Delaware

Application August 23, 1939, Serial No. 291,611

1 Claim. (Cl. 29—169)



The method of producing, from a splice bar having a fishing surface disposed in a common plane extending from end to end of the bar at the outer side of a thin decarburized surface layer of the bar, an improved splice bar having sound mother metal exposed at the central portion of said fishing surface substantially in the plane thereof, which consists in subjecting the central portion of the bar to pressure to shift the central portion of said fishing surface outwardly sufficiently to bring the underlying sound mother metal of said central portion into a plane coincident with the plane of said surface to either side of said central portion, and then cutting away said outwardly shifted central portion until the sound mother metal thereof is exposed and the exposed sound mother metal surface is disposed substantially in the plane of the fishing surface to either side thereof, all prior to initial application of the bar to rails in a rail joint.

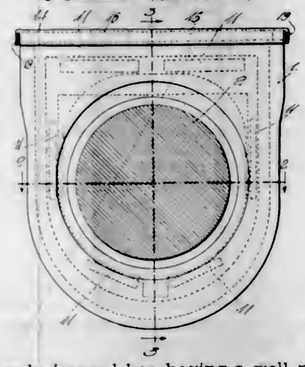
2,237,287

DUST GUARD CASING-CLOSURE

Jonas D. Bigelow, Yonkers, N. Y.

Application April 26, 1938, Serial No. 204,459

3 Claims. (Cl. 286—6)



1. An axle journal box having a well provided with an oblong rectangular mouth portion having end walls provided with transverse abutment shoulders and having side walls formed with upper seat surfaces and below the same with external locking shoulders extending continuously along said side walls between said ends walls, and a closure for said mouth portion comprising an oblong rectangular channeled sheet metal member having a top wall coextensive in length with the well top and adapted to rest on said seat surfaces, depending side walls to embrace the side walls of the mouth, said side walls being coextensive in length with the top wall of the closure member, depending tongues at the ends of the top wall of the closure member free from connection with the side walls and normally arranged in the plane of the top wall and adapted to be bent downwardly therefrom into engagement with the abutment flanges to hold the closure from endwise movement on the well mouth, and inturned stiffening and locking flanges at the lower edges of the side walls coextensive in length therewith and adapted to engage under and interlock with said locking shoulders to prevent up and down vibratory movements of the top wall throughout its length under shocks and jars falling on the journal box and to maintain said top wall in engagement with said upper seat surfaces of the well mouth.

2,237,288

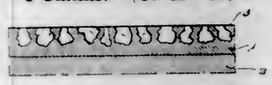
SPATTLING AND SPRAYING PROCESS

Hans Bode, Moers, Niederrhein, Germany

Application April 20, 1938, Serial No. 203,210

In France June 7, 1937

3 Claims. (Cl. 41—36)



1. A process for producing a weather, light, frost and lye-proof and washable wall covering resembling shell limestone or travertine stone, consisting in forming a fine mixture from cement, fine sand, silicon tetrafluoride, asbestos, vitreous wool, pigments from mineral earths, certain oil and water, in applying a layer of this mixture on a firm ground, in indiscriminately forcibly throwing into this layer, while still in soft condition, hard materials of different color to that of the layer and of different grain size to produce holes in the layer in which the materials are embedded, in allowing the layer to set, and in grinding the surface of the layer to make it smooth, and in polishing the smooth surface.

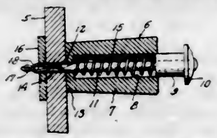
2,237,289

KNOB

Edward L. Buck and Frederick W. Sherwood, Howland, Maine

Application June 6, 1940, Serial No. 339,166

1 Claim. (Cl. 16—114)



A knob structure comprising a knob body having a bore extending therethrough, a button having an extension slidable in the bore, a rod extending from the button extension and through the body to project beyond one end thereof, a hook at the free end of the rod, a washer, a link member disposed through the washer, a cross-pin adapted to be disposed through the link member at one side of the washer, the link member adapted to have its other end engaged over the hook of the rod, and spring means in the knob body for normally urging the button outwardly and to pull the washer toward the adjacent end of the knob body.

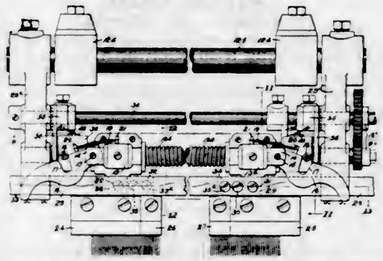
2,237,290

MECHANISM AND METHOD FOR KNITTING NONRUN OR RUN-RESISTANT HOSIERY

Ellsworth E. Carlson, Saratoga Springs, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York, N. Y.

Application October 26, 1939, Serial No. 301,446

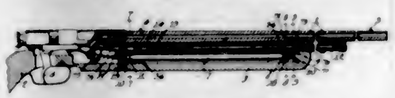
25 Claims. (Cl. 66—89)



1. In automatically acting mechanism for automatically controlling the number of stitch-transfer fingers or points that are in operation at different stitch-transferring areas of a stocking blank, a plurality of supports for and among which are distributed those fingers or points that may be rendered effective as a total number at any stitch-transferring area of the said blank, and automatically acting means mechanically timed in periodicity of action and mechanically connected with a driven part of the knitting mechanism, for restraining from operation at least one of said supports with the fingers or points thereof at each side of the set of knitting needles, while permitting the remainder of said supports with the fingers or points thereof to be mechanically operated from a driven part of the knitting mechanism, thereby increasing

the elasticity of the stocking at those areas where a lesser number of said supports is temporarily used.

2,237,291
MAGAZINE RIFLE
William E. Carter, Wilcox, Ariz.
Application April 29, 1938, Serial No. 205,081
5 Claims. (Cl. 42—6)



2. A magazine rifle including a barrel, a forearm having an outlet opening into the barrel and a feed opening, a group of tubes in the forearm, each tube constituting means for holding a series of aligned cartridges, means rotatably mounting the group in said forearm whereby each tube successively may be positioned in communication with said feed opening and said outlet, a tubular plunger mounted for movement into one of the tubes only when said tube is in position registering with said feed opening and outlet opening, said plunger being proportioned to receive the aligned cartridges in said tube, means in the plunger for subjecting the aligned cartridges to pressure while seated in the plunger, thereby to eject the cartridges successively from the plunger and into the outlet, means under the control of the operator for opening either the outlet or the feed opening, and means for locking the group of tubes against movement while any one of said tubes is in communication with the outlet.

2,237,292
PROCESS FOR PRODUCING OLEFIN DIMERS
Richard M. Deanesly, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 22, 1937, Serial No. 132,344
14 Claims. (Cl. 260—683)

1. A process for producing olefin dimers which comprises heating a solution of a tertiary olefin in an acid of the group consisting of sulfuric and phosphoric acids of about 50% to about 70% concentration at a temperature between 85° C. and 140° C. for a time sufficient to effect at least partial polymerization of the olefin but not more than 5 minutes overall heating time and separating the resulting polymerization product.

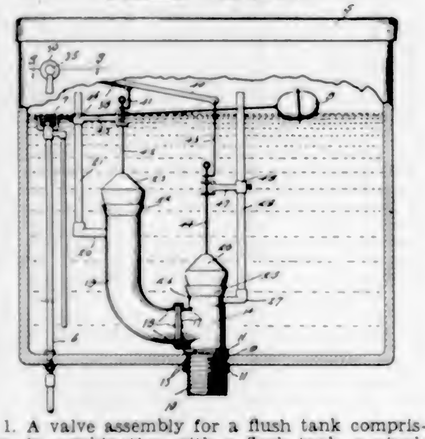
2,237,293
CONTAINER ASSEMBLY
Morton McI. Dukehart, Jr., New Rochelle, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 17, 1939, Serial No. 274,263
1 Claim. (Cl. 220—23)

In combination, a container having an open end provided with a cut-out portion forming a recess, a can adapted to fit within the open end of said container and serving as a closure therefor, said can having a lid, a lever pivotally mounted on the side of said can, said lever having shoulders on opposite sides of the pivot therefor and substantially contacting with the side of the can, said shoulders on the lever being disposed wholly within the recess in said container, said can lid and said container each having a bead, said beads being spaced and lying on opposite sides of and adjacent the lever and so disposed relative thereto that upon rotation of said lever the shoulders will simultaneously contact



said beads and separate the lid from the can and the can from the container.

2,237,294
FLUSH TANK
Carl A. Easley, Fort Scott, Kans.
Application June 21, 1940, Serial No. 341,750
4 Claims. (Cl. 4—37)



1. A valve assembly for a flush tank comprising, in combination with a flush tank, a nipple having an end extending through an opening provided therefor in a flush tank for connection with a toilet bowl, said nipple being provided on the inner end thereof with an enlarged head, a stand pipe extending laterally outwardly and upwardly from said head, a second stand pipe extending directly upwardly from the top side of said head and terminating short of the upper end of the first-named stand pipe, each of said stand pipes having a valve seat on the upper end thereof, a valve engaging each of said valve seats, and manipulative means for selectively and independently operating said valves, and a hinged valve member in said head normally closing communication between said head and the first-mentioned stand pipe; said hinged valve member being responsive to the pressure of water for swinging in a vertical plane to close communication between said head and the second-named stand pipe during a flow of water from the first-named stand pipe through said head.

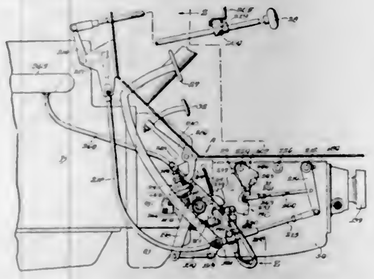
2,237,295
FIBER AND PROCESS OF EXTRACTING THE SAME
Edwin Horace Akin, Austin, Tex.
No Drawing. Application July 29, 1938, Serial No. 222,067
9 Claims. (Cl. 92—7)

1. The process of extracting the fibrous structure from a cactus plant to recover the fibrous skeleton of the same in its intact formation, comprising treating the plant with steam to loosen the pulp from the fiber structure, mechanically removing substantially all the loosened pulp from the fiber structure while maintaining the fiber structure intact as the skeleton of the plant, and washing the skeleton of fiber structure to free it from any remaining pulp.

2,237,296
MANUFACTURE OF SUBSTITUTED AMIDES
Alfred William Baldwin, Henry Alfred Piggott, and Francis Sydney Statham, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 14, 1938, Serial No. 245,768. In Great Britain December 28, 1937.
3 Claims. (Cl. 260—404)

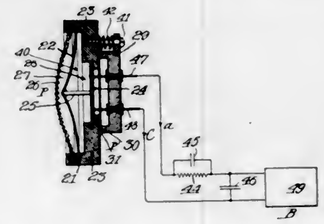
3. A process for the manufacture of stearomethoxybenzylamide which comprises causing anisole to react with paraformaldehyde and stearamide in the presence of zinc chloride.

2,237,297
AUTOMATIC TRANSMISSION
Oscar H. Banker, Chicago, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application September 15, 1937, Serial No. 164,025
24 Claims. (Cl. 192—3.5)



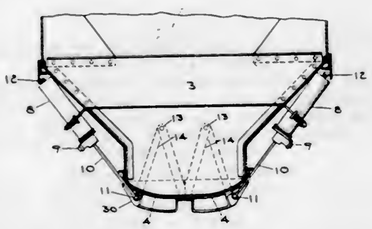
24. An automatic transmission having a drive shaft, a driven shaft, an automatic clutch having a driving part, a driven part, and speed responsive means determining engagement or disengagement of said parts, gearing operatively interposed between said shafts comprising direction selector means for determining the direction of rotation of said driven shaft in a low gear, the low gear forward train including an overrunning clutch in addition to said selector means, the low gear reverse train having a geared connection only with the driving shaft, ratio selector means for connecting said driven to said driving shaft in other gear ratios comprising a first clutch for connecting said driven shaft to rotate at the speed of said driving shaft and a gear train including a second clutch and an overrunning clutch for connecting said driven shaft to be driven at an intermediate speed, manual means for actuating said low gear direction selector means, and automatic means controlled by the speed responsive means of said automatic clutch governing said ratio selector means to complete a high and an intermediate gear train exclusive of said manual means and while said selector means remains shifted to complete the low gear forward train.

2,237,298
CONVERSION OF WAVE MOTION INTO ELECTRICAL ENERGY
Benjamin Baumzweiger, Chicago, Ill., now by change of name Benjamin B. Bauer, assignor to S. N. Shure and Frances Shure, trustees, doing business as Shure Brothers, a partnership
Application September 29, 1938, Serial No. 232,439
18 Claims. (Cl. 179—1)



1. In a unidirectional electroacoustic transducer operating in a medium, means having two pressure-sensitive surfaces adapted to vibrate and translate its vibrations into electrical energy, one of said surfaces being substantially exposed to the medium, a structure forming a cavity in conjunction with the second of said surfaces, a passage defining acoustical resistance and inertance establishing communication between said cavity and the medium and located at such distance from said exposed surface that the ratio of said distance to the wave velocity in the medium substantially equals the product of acoustical compliance of said cavity and resistance of said passage in any consistent system of units.

2,237,299
HOPPER BOTTOM CAR
James D. Benbow and George W. Sines, Aurora, Ill., assignors to Western-Austin Company, Aurora, Ill., a corporation of Illinois
Application August 16, 1937, Serial No. 159,225
23 Claims. (Cl. 105—240)



1. In a railway hopper bottom dump car, a plurality of discharge doors, fluid pressure cylin-

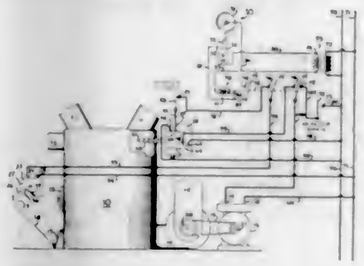
ders with pistons, piston rods and piston rod locking and unlocking means mounted in the said fluid pressure cylinders mounted on the sides of said hopper bottom dump car, said piston rods connected to said discharge doors, control means mounted on said hopper bottom dump car to control the admission of fluid pressure to unlock and open said discharge doors and to allow said doors to close and lock.

2,237,300

AIR CONDITIONING SYSTEM

George D. Bower, Columbia Heights, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 16, 1937, Serial No. 159,309
10 Claims. (Cl. 236—9)



5. In an all year air conditioning control system, in combination, heating means, means for circulating air from the heating means to a space to be heated, control apparatus comprising a space thermostat having contacts which close at a predetermined temperature, a relay controlled by said thermostat and energizable when said contacts close, summer-winter switching means having summer and winter positions and controlling electrical circuits so arranged that in winter position of the switching means the relay controls the heating means and brings about increased air circulation when the relay is in one position, said switching means when in summer position causing said relay to relinquish control of said heating means, said contacts of said thermostat controlling said relay in the same manner in summer as in winter, said relay causing air circulation by said air circulating means when said relay is in its opposite position during summer operation, and means responsive to the temperature of the heating means operable to control the circulating means independently of the space thermostat and relay.

2,237,301

MANUFACTURE OF OXIDIZED PETROLEUM ACID COMPOUNDS

Robert E. Burk and Everett C. Hughes, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application February 10, 1938, Serial No. 189,896
10 Claims. (Cl. 260—452)

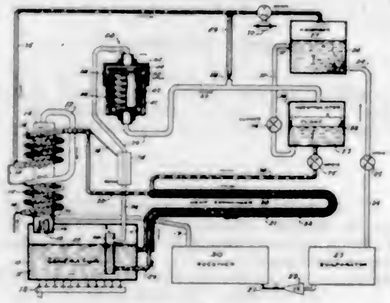
1. In a process of manufacturing oxidized petroleum acid compounds, heating in the neighborhood of 320° F. a petroleum fraction of 350–550° F. B. P., blowing air therein at about 120 pounds pressure at the rate of about 27 cubic feet per hour per gallon of petroleum, in the presence of a catalyst, controlling the temperature at 290–360° F., maintaining the acid number in the reaction mass at about 5–20, while continuously introducing fresh petroleum and drawing off liquid, reacting the drawn-off liquid in countercurrent flow with about 4 N. caustic soda solution, at 175–320° F. and 20–140 pounds pressure per square inch, returning unoxidized petroleum to the oxidizing operation, eliminating unsaponified material by extracting the mass with a selective solvent, acidifying the mass at around 125° F. to release the oxidation acid from the alkaline salt, distilling the released acid, re-dissolving the oxidation acid in caustic soda solution, extracting the solution with a selective solvent for odorous contaminants, removing the acid, and treating the acid with material eliminating coloration.

2,237,302

ABSORPTION REFRIGERATION SYSTEM

Andrew Flukes, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois

Application October 23, 1937, Serial No. 170,371
19 Claims. (Cl. 62—5)



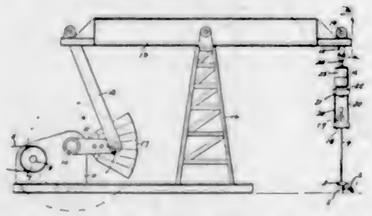
19. In a continuous absorption refrigeration system the combination of a generator, an absorber, an accumulator, weak liquor and vapor conduits for conveying weak liquor and vapor, respectively, to the absorber, means for transferring strong liquor from the absorber to the accumulator, and means for transferring the strong liquor from the accumulator to the generator, said first mentioned means being controlled by action of the strong liquor after the return thereof from the accumulator to the generator.

2,237,303

PUMPING MECHANISM FOR OIL WELLS

Ingram X. Calhoun, Oklahoma City, Okla.

Application June 1, 1938, Serial No. 211,181
15 Claims. (Cl. 255—16)



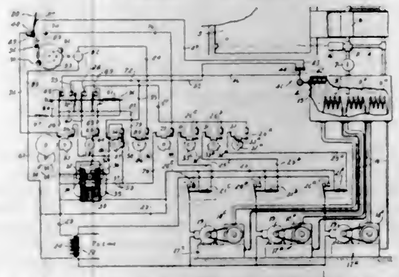
1. In a well pumping mechanism, the combination with power means and sucker rods arranged to reciprocate in the well, of load distributing means forming the operating connections btween said power means and said sucker rods for reciprocating the latter, said load distributing means comprising relatively movable members connected to said power means and sucker rods, respectively, one of said members including a closed space for atmosphere under pressure and the other member being mounted to move within said first mentioned member, whereby the atmosphere is compressed in the relative movement of said members in one direction and expanded in their relative movement in the opposite direction, and means automatically actuated by said members due to excessive relative movement thereof in one direction for discharging atmosphere from said closed space.

2,237,304

CONTROL FOR CONDITIONING SYSTEMS AND THE LIKE

Theodore K. Greenlee, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application April 1, 1937, Serial No. 134,250
12 Claims. (Cl. 62—4)



4. In a conditioning system having a plurality of power driven compressors, the combination of means for starting said compressors successively and establishing an approximate balance between the number of compressors in operation and the conditioning demand on said system, and automatically operating means to vary the sequence of starting of the compressors in response to a prolonged demand whereby to distribute wear between the different compressors.

2,237,305

RESPIRATOR AND THE LIKE

Joseph V. Heimann, Lakewood, Ohio, assignor to William J. Wesseler, East Cleveland, Ohio

Application March 22, 1937, Serial No. 132,212
3 Claims. (Cl. 128—146)



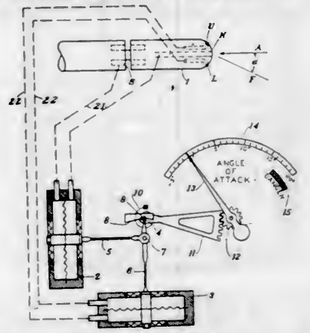
1. An apparatus of the character described having in combination, a frame formed of relatively rigid material conforming to the lower portion of the face of the wearer and having a central portion occupying the space between the chin and nose of the wearer, a covering member adapted to engage over said frame and extending upwardly beyond said frame so as to overlie the nose of the wearer, means for securing said covering member to said frame, a plurality of vertically positioned outwardly bowed members secured to said frame to provide finger holds whereby said frame may be grasped by one hand of the wearer, and means for resiliently engaging said frame in position upon the head of the wearer.

2,237,306

ANGLE-OF-ATTACK INDICATOR

Manley J. Hood, Langley Field, Va.

Application September 9, 1939, Serial No. 294,107
6 Claims. (Cl. 73—180)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



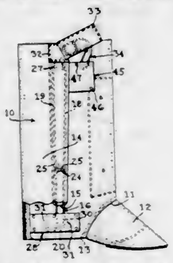
1. An angle-of-attack indicator for aircraft comprising a pressure head and a yaw head, said pressure head having impact and static pressure openings, said yaw head having angle openings in which are pressures responsive to the angle of pitch of the aircraft, means including a first spindle movable in one direction in proportion to the difference between the impact pressure and the static pressure on said pressure head, means including a second spindle movable in proportion to the difference in pressure in the angle openings of the yaw head, said second spindle being secured to said first spindle at right angles thereto and a stylus movable according to the combined motions of said two spindles.

2,237,307

LEGGING

Donald E. Kimball, Cleveland, Ohio

Application April 14, 1938, Serial No. 201,964
4 Claims. (Cl. 36—2)



4. A legging of the overlapping type, comprising: keeper means secured to the upper part of

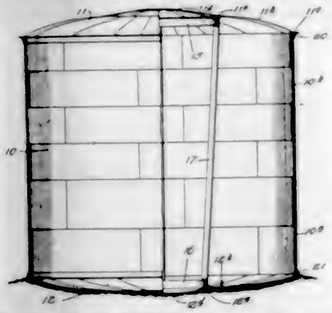
the underlying portion, and hook-like fastening means carried by the upper part of the overlying portion, said hook-like means including rod means having spaced sections bent into hook-like form and adapted to be detachably engaged with said keeper means; stiffening means extending along the overlying portion of said legging and including elongated rod means bent to shape and having a projecting portion; and pocket means upon said underlying portion for the reception of said projecting means.

2,237,308

CONTAINER

Donald E. Larson, Chicago, Ill., assignor to Chicago Bridge & Iron Company, Chicago, Ill., a corporation of Illinois

Application February 17, 1939, Serial No. 256,987
1 Claim. (Cl. 220—1)



A vertical cylindrical shell closed by circular noded top and bottom members, a node circle in the top having a larger diameter than the corresponding node circle in the bottom, and upwardly and outwardly slanting braces joining a top node circle with the corresponding bottom node circle.

2,237,309

METHOD AND MEANS FOR MAKING HOLLOW TUBULAR MEMBERS

Wiley W. McMinn, Orange, N. J.

Application October 30, 1937, Serial No. 172,053
12 Claims. (Cl. 219—12)



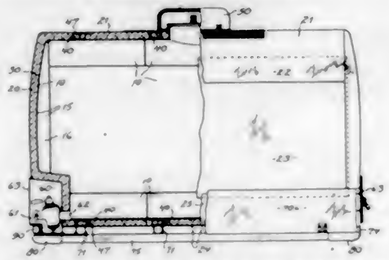
1. The method of making an integral hollow tubular metal member having axially straight walls which consists in winding a substantially flat metal strip spirally by the aid of a winding device to form a substantially axially straight-walled hollow blank advancing axially with rotary motion from the place of winding and consisting of a series of contiguous spiral convolutions capable of being axially separated and having a spiral seam therebetween, the walls of which seam are continuously subjected to closing pressure for preventing such axial separation between the place of winding and a place of heating, heating a portion of the seam of the advancing blank to a maximum temperature less than the melting point of the metal of the strip while the blank is connected to the winding device and while the walls of the heated portion of the seam are maintained under said closing pressure, supplying to the heated portion of the blank bonding metal having a melting temperature lower than that of the metal of the strip and fusing bonding metal into the seam to form an integral member in which the metal bond between the walls of the seam provides the sole structural connection between the contiguous convolutions of the member.

2,237,310

DEMOUNTABLE FREIGHT CONTAINER FOR LIQUIDS

Ragnar A. Norbom, Clifton, N. J., assignor, by mesne assignments, to National Fitch Corporation, New York, N. Y., a corporation of Delaware

Original application January 4, 1938, Serial No. 183,273. Divided and this application December 9, 1938, Serial No. 244,716
8 Claims. (Cl. 280—5)



1. In a demountable tank body, the combination of a base frame having transverse bolsters, a tank resting on the top of the bolsters, U-shaped longitudinal beams forming part of the base frame, skid shoes set into the ends of the beams and secured thereto and extending below the beams, said skid shoes having portions overlapping the bottom of the beams.

2,237,311

PREPARATION OF CADMIUM PIGMENTS

James J. O'Brien, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application November 21, 1938, Serial No. 241,633
12 Claims. (Cl. 134—58)

1. The process of preparing cadmium sulfide pigments which comprises reacting cadmium nitrate and a barium sulfide in aqueous solution and adjusting the pH of the precipitate to between 7 and 8.8.

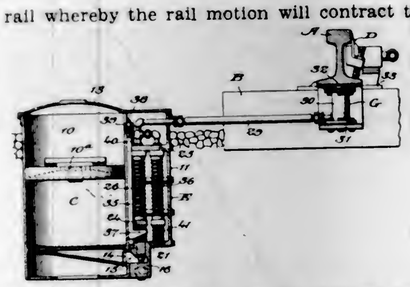
2,237,312

TRACK LUBRICATOR

Emmons Overmier, La Grange, Thomas E. Rodman, Glencoe, and Sidney E. Bates, Chicago, Ill., assignors, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware

Application October 23, 1939, Serial No. 300,828
13 Claims. (Cl. 184—3)

2. Track lubricating apparatus including a lubricant reservoir, a lubricant distributing device for the track rail, an expansible bellows type pump having means for delivering predetermined amounts of lubricant from the reservoir to said device and a bellows type actuator in closed fluid-circuit communication with the bellows type pump for operating the latter, said bellows type actuator being arranged in operative relation to a rail whereby the rail motion will contract the same to cause expansion of the bellows type pump.

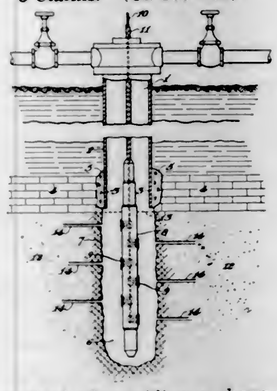


2,237,313

METHOD OF TREATING WELL BORE WALLS

Carl F. Prutton, Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application December 24, 1938, Serial No. 247,595
3 Claims. (Cl. 166—21)



1. In a method of providing a channeled supporting wall for a well bore penetrating a fluid producing formation, the steps which consist in depositing in the pores of the formation a liquid sealing mixture characterized by having a ready penetration into the fine pores of an earth or rock formation which are so small as to prevent the penetration of cement slurry thereinto, and thereafter forming flow channels in said formation by explosive means.

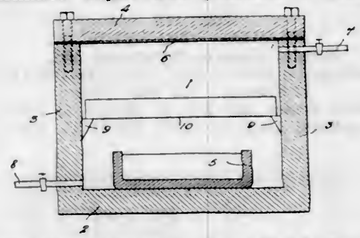
2,237,314

PROCESS OF MAKING CADMIZED BEARINGS

Paul Etienne Queneau, Copper Cliff, Ontario, Canada, and Albert Mangold Hall, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

Application May 27, 1938, Serial No. 210,371
8 Claims. (Cl. 91—70.1)

2. A process of making bearings comprising exposing a metal alloyable with cadmium to cadmium vapor under non-oxidizing conditions, controlling the temperature of said vapor within the range of about 900° F. to 1200° F., maintaining the metal in said vapor for a period of time not exceeding about 10 hours and correlated with the temperatures to impregnate the surface of the metal with cadmium by diffusion forming an integral and inseparable case and imparting anti-friction and anti-galling properties thereto, and removing said metal from contact with cadmium vapor when said case reaches a predetermined depth and possesses a cadmium concentration decreasing immediately from the surface of the case rapidly and somewhat asymptotically to zero, and while said case at its surface is substantially devoid of a cadmium layer of appreciable thickness.

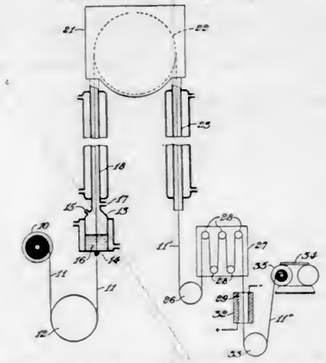


2,237,315

COATING FILAMENTOUS ARTICLES WITH VINYLIDENE CHLORIDE COMPOSITIONS

John H. Reilly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application August 24, 1938, Serial No. 226,489
7 Claims. (Cl. 91—70)



3. The method which comprises the steps of moving a wire into and vertically out of a bath at a temperature between about 145° and 160° C., and comprising from 25 to 35 parts by weight of the polymer of vinylidene chloride dispersed in from 75 to 65 parts by weight of trichlorobenzene, the said bath containing sodium stearate to the extent of about 0.2 to 2 per cent of the weight of the polymer, and a stabilizer for the said polymer, moving the freshly coated wire vertically through a zone heated to about 155°±5° C., to remove sufficient of the trichlorobenzene from the coated wire so that it may be bent without distortion of the coating, moving the partially dried coated wire through another zone heated to a temperature near, but not exceeding, the softening point of the polymeric vinylidene chloride whereby remaining traces of trichlorobenzene are substantially completely removed, moving the dried coated wire through a relatively short annealing zone wherein the temperature of the coating is raised to between about 200° and 220° C., to obtain a symmetrically coated wire whereof the coating is characterized by uniformity, flexi-

bility, abrasion resistance, moisture-impermeability, non-flammability, high dielectric strength, low power factor, and softening point above 170° C.

2,237,316
BEARING STRUCTURE
Robert J. Ruths, Baltimore, Md.
Application June 3, 1940, Serial No. 338,547
17 Claims. (Cl. 308—238)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bushing adapted to be inserted in a shaft housing and comprising a helical band having an internal shaft engaging tread portion of elastic, anti-friction material, an intermediate reinforcing breaker strip and an outer metallic band, all vulcanized together to form a unitary structure.

2,237,317
HEEL RETAINING MEANS FOR SHOES
Louis Sabo, New York, N. Y., assignor to Delman Inc., New York, N. Y., a corporation of New York
Application December 21, 1939, Serial No. 310,287
7 Claims. (Cl. 12—142)



1. Means for retaining a Louis heel on a shoe, consisting of a single base-plate of thin strong flexible material of less length than the width of the shank of a shoe to which it is to be attached and having apertures therein between its ends to serve as passages for fluid cement used in securing the heel to a shoe.

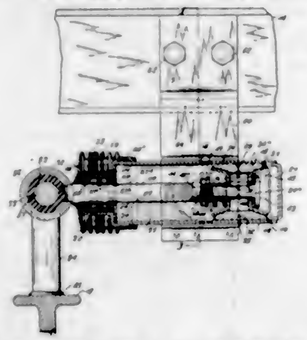
2,237,318
DIRECT ACTING FRICTION SHOCK ABSORBER
Jacob R. Snyder, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 17, 1938, Serial No. 230,469
14 Claims. (Cl. 188—129)

1. A double acting friction shock absorber comprising a tubular casing, an actuating rod extending into the casing at one end thereof, an expansible sleeve shiftable longitudinally in the casing in frictional engagement with the wall thereof, and expanding means in the sleeve and connected with said rod and adapted to expand the sleeve upon relative longitudinal movement between the rod and casing in either direction, said sleeve comprising an annular series of segments having transversely curved longitudinally tapered recesses in the inner faces thereof and said expanding means having annularly spaced transversely curved longitudinally tapered lobe portions slidably engaging in the recesses of said segments.



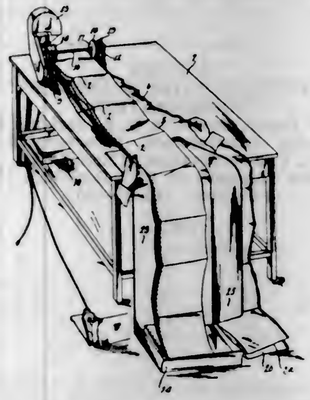
13. In a direct acting friction shock absorber, a tubular casing, an expansible friction element reciprocable in the casing, an operating rod extending into the casing and having a shoulder thereon, an expander movable relative to the rod and adapted to cooperate with the friction element for expanding the same, a spring on the rod between said shoulder and expander acting to cause an initial expansion of the friction element, and a resilient buffer between said shoulder and expander.

2,237,319
SHOCK ABSORBER AND MOUNTING THEREFOR
Jacob Rush Snyder, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 7, 1939, Serial No. 298,474
6 Claims. (Cl. 188—129)



1. A mounting for a shock absorber of the tubular type having a reciprocable actuating rod projecting therefrom, comprising means for pivotally connecting said rod with one of a pair of relatively movable parts to be retarded, a bracket member adapted to be connected with the other of said parts and having a pair of opposed resilient bushings, and trunnions on said shock absorber intermediate its ends and engaging in said resilient bushings.

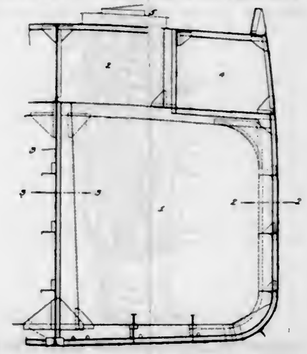
2,237,320
STRIP BREAKING MACHINE
Milferd A. Spayd and Raymond G. Ratchford, Dayton, Ohio, assignors to John Q. Sherman, Dayton, Ohio
Application January 9, 1939, Serial No. 249,986
26 Claims. (Cl. 164—84.5)



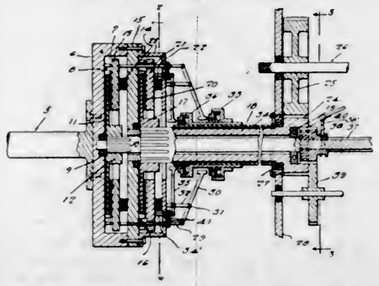
18. In an apparatus for separating initially collectively attached alternating records and transfer strips including tensioning means for progressively subjecting the record strips to transverse tension strain independently of the interleaved transfer material in excess of the tensile strength of preformed longitudinal weakened division lines thereof, means for progressively gripping margins of the record and transfer strips collectively at one side of the assembly and the opposite margins of the record strips independently of the interleaved transfer strips, and simultaneously subjecting the record strips to progressive pressure intermediate their margins in excess of the tensile strength of preformed longitudinal division lines of the record strip, the construction and arrangement being such that the interleaved transfer strips will remain intact and attached to each other with longitudinally divided portions of the record strips attached thereto, while the remainders of the record strips will be independent of the transfer strips and of each other.

2,237,321
GASOLINE TANKER RESISTANT TO PENETRATION BY CORROSION
Andrew Wesley, Plainfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application May 12, 1938, Serial No. 207,485
7 Claims. (Cl. 114—74)

7. A metallic structure exposed in use to corrosive agents which attack non-uniformly, said structure comprising a plurality of composite plates of iron base metal joined together at their juxtaposed edges, each composite plate having a structural iron base metal plate exposed to said corrosive agents and an under structural iron base metal plate more noble than said exposed plate by a potential of about 0.07 to about 0.2 volt, said exposed plate and under plate being bonded together over substantially their entire contacting surfaces, said exposed plate being of substantially greater thickness than a mere coating and contributing structurally and appreciably to the strength of the metallic structure.



2,237,322
CLUTCH MECHANISM
Thomas M. West, Dorchester, Nebr.
Application June 1, 1939, Serial No. 276,880
3 Claims. (Cl. 192—48)

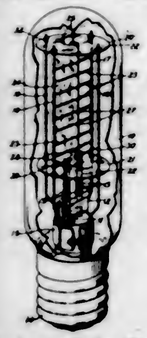


1. In a device of the character set forth including a fly wheel of an engine, a transmission shaft piloted into the fly wheel, a clutch plate for coaction with the fly wheel and splined on said shaft, a pressure plate coacting with the clutch plate, a plate secured on the fly wheel having an opening to permit the shaft to extend therethrough, spring means between the second plate and the pressure plate, a hollow shaft journaled on the first shaft and piloted into the second plate, a second clutch plate splined to the hollow shaft for coaction with the second-named plate, a second pressure plate for the second clutch plate, and operating means for the pressure plates.

2,237,323
RESISTANCE DEVICE
John W. West, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 11, 1938, Serial No. 213,200
8 Claims. (Cl. 201—63)

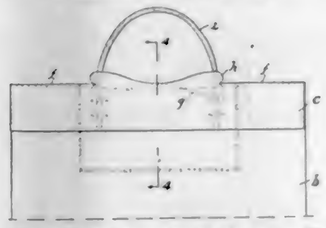
1. A resistance device comprising an enclosing vessel, a frame structure supported therein including insulating members spaced in parallel relation, multiple resistance elements extending across said frame and parallel to said insulating members, and a vertical insulating spacer held in position by and between said members, said

spacer having slots in one edge, said elements



being supported intermediate their ends in said slots.

2,237,324
PAPER BAG
Howard A. Wolf, Philadelphia, Pa., assignor to Louis Wolf, Elias Wolf, Howard A. Wolf, and Walter L. Wolf, copartners trading and doing business as Wolf Brothers, Philadelphia, Pa.
Application March 15, 1939, Serial No. 261,929
2 Claims. (Cl. 229—54)

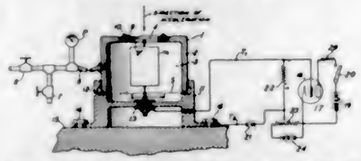


1. A paper bag comprising a front wall, a back wall, a closure flap formed by an extension of one of the walls and adapted to be folded over along a fold line against the opposite wall to close the bag, a pair of opposite extending ears formed by slitting the wall, an extension of which forms the closure flap, below the fold line and adapted to extend beyond the line of fold and in the plane of the closure flap when it is folded into closing position and a handle member secured to the other wall adjacent the free edge thereof and adapted to extend through the slitted wall when the flap is folded to close the bag in such position that when under strain it will bear against said ears, retain the closure flap in closing position and hold the walls of the bag together adjacent the line of fold of the closure flap.

2,237,325
ACETONE-FORMALDEHYDE RESINS
Emil H. Balz, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application July 27, 1938, Serial No. 221,608
7 Claims. (Cl. 260—64)

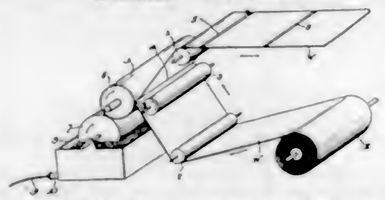
1. A method of preparing a product capable of setting without evolution of gas that comprises maintaining an aqueous solution containing from about one-half to about one-fourth mol of acetone and from about one-twentieth to about one-fiftieth equivalent of strong alkali for each mol of formaldehyde at room temperatures for about 24 hours, vacuum evaporating the resulting alkaline liquid at temperatures up to about 60° C., and then slowly carrying the reaction further at temperatures up to about 60° C. in the presence of alkali for a period of time as great as that required to reduce the percentage of formaldehyde shown by the sulfite test; about three and one-half per cent when the acetone, alkali and formaldehyde are the sole reactants in the solution.

2,237,326
APPARATUS FOR MEASURING ACCELERATION
Joseph F. Barry, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 23, 1938, Serial No. 191,918
4 Claims. (Cl. 73—51)



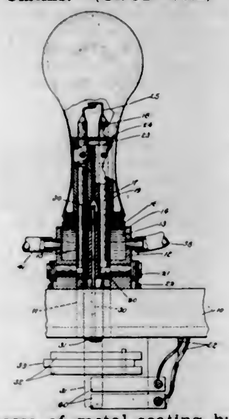
1. An apparatus for measuring accelerations comprising two oppositely disposed parallel diaphragms of substantially different diameters, a measuring body of known mass mounted on the mid-points of said diaphragms, a stop therefor, pneumatic elastic means cooperating with said diaphragms and adapted to act directly through the center of mass of said body and to forcibly hold said body against said stop, means for indicating the force magnitude of said elastic means, and signaling means for indicating the withdrawal of said body from said stop.

2,237,327
METHOD OF AND APPARATUS FOR MAKING BAGS
Raymond M. Bell, Wayne, Pa., assignor to Benjamin C. Betner Company, Devon, Pa., a corporation of Delaware
Application March 7, 1940, Serial No. 322,716
4 Claims. (Cl. 93—35)



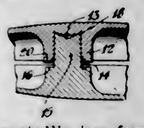
3. A method which comprises heating solid thermoplastic adhesive to temperature sufficient to transform it into molten state with high viscosity, spreading the viscous molten adhesive upon a surface at temperature sufficient to prevent substantial solidification of the adhesive thereon, feeding adjacent said so-coated surface webbing from which are to be produced bags having seals, intermittently, at intervals spaced along it in the direction of its feed, pressing the webbing by an uncoated surface into contact with the molten adhesive on said coated surface to effect transfer thereof to the webbing in predetermined patterns corresponding in extent and configuration with said uncoated surface, and, after setting of the transferred adhesive, cutting and shaping the webbing to form bags each having exposed within it at least part of one of said patterns of thermoplastic adhesive.

2,237,328
METAL-COATING BULBS OR THE LIKE
Clarence Birdseye and Pincus Deren, Gloucester, Mass., assignors, by mesne assignments, to Birdseye Electric Corporation, Gloucester, Mass., a corporation of Massachusetts
Application February 19, 1938, Serial No. 191,493
7 Claims. (Cl. 91—70.1)



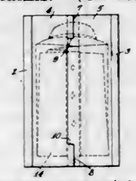
1. The process of metal-coating bulbs or the like, which comprises closing the bulb with a solid compressible seal, moving the bulb through a heated zone, simultaneously cooling the seal and thereby preventing vaporization from the seal into the bulb, substantially exhausting the bulb, and then locally heating a metal charge within the bulb to the point of vaporization.

2,237,329
TOY ASSEMBLY
Frank Bischof, Chicago, Ill., assignor to Dowst Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 27, 1937, Serial No. 171,218
2 Claims. (Cl. 46—1)



1. A die cast metallic toy formed of a soft deformable, malleable metal alloy including an elongated hollow body composed of a pair of longitudinally extending concave sections presenting smooth unbroken outer surfaces adapted to have their marginal edges brought into contact with each other under tension, a pair of deformable studs integral with and extending from the base of one of said sections and die cast therewith, said studs being circular in cross section and having substantially the same radius throughout their length and having a dish-shaped substantially arced concave depression extending inwardly and upwardly in their outer ends and an annular substantially knife edge upon their lower outer portion, a pair of deformable socket members integral with and extending from the base of the other of said sections and die cast therewith, said socket members having bottoms substantially conforming in shape to the bottoms of said studs but having a lesser arc than the arc of the concave depressions of said studs, said studs and members being disposed upon opposite sides of the center portions of said sections and being formed of the same material as that which provides said sections the length of said studs being such that those edges of the sections which are to be brought into abutting relationship will be spaced upon said studs being initially introduced into said sockets and to the full depth of and in contact with the base portions of the latter, subsequent further projection of said studs into said sockets resulting in a deformation of said sockets and studs and a spreading of said knife edges to couple said sections to each other, and the distance initially separating the adjacent edges of the sections defining the amount of movement of said sections towards each other and necessary to cause such deformation.

2,237,330
SHIRT WRAPPER
Louis Bischoff, New York, N. Y., assignor to Oneida Paper Products, Inc., New York, N. Y., a corporation of New York
Application December 4, 1937, Serial No. 178,087
2 Claims. (Cl. 229—87)



1. A shirt wrapper comprising a front of flexible sheet material and on each side thereof a substantially rigid cardboard section laterally secured thereto, one cardboard section having a right angle cut in the side thereof adjacent each end to form a tab at each end, the other cardboard section having a cut parallel to the free side of the section adjacent each end to form slits therein to engage the tabs formed in the other cardboard section.

2,237,331
CUTTING DEVICE
Irving S. Bodkin and Leo J. Bouchard, New York, N. Y., assignors to Conrad Razor Blade Co., Inc., Long Island City, N. Y., a corporation of New York
Application June 28, 1938, Serial No. 216,205
7 Claims. (Cl. 30—162)



1. A casing for a razor blade, comprising a plurality of complementary handle members adapted to receive a razor blade, at least one of said members having an elongated slot extending through the side thereof for inserting a member adapted to shift the position of the razor blade, means adjacent one end of said handle members for movably securing said handle members together at said end only, spacing means intermediate said handle members adapted to provide a space be-

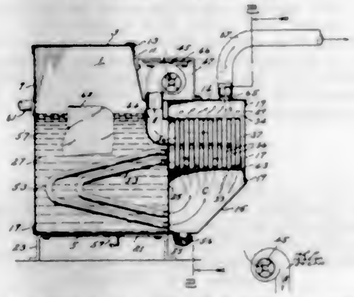
tween said handle members for the blade part of a razor blade, and means spaced from said handle securing means extending through said elongated slot and normally maintaining said handle members substantially in alignment with each other to form a handle portion and facilitating shifting of a razor blade.

2,237,332

AIR CONDITIONING METHOD AND MEANS

Walter H. Bretslaff, Detroit, Mich., and Charles P. Grimes, Syracuse, N. Y.

Application April 3, 1937, Serial No. 134,718
10 Claims. (Cl. 62—131)



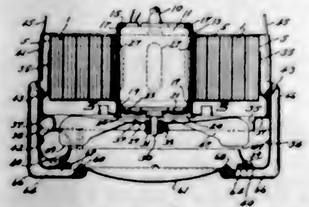
1. A compact air conditioning unit comprising, an enclosing housing, a partition wall dividing said housing into a chill tank and a heat-exchanger compartment, an air flow heat-exchanger in said compartment having a warm air side and a chilled air side separated by heat absorbing and emitting surfaces for conducting separated air streams in close thermally coupled relation, air chilling conduits disposed for receiving air at one end directly from the warm air side of said heat-exchanger, said air chilling conduits being disposed in downwardly inclined relation through the chill tank for connecting into a precipitation chamber at their lower ends, and air circulating means mounted on said housing for drawing in warm humid air to be conditioned and forcing it in series relation through the warm air side of the heat-exchanger, the chilling conduit in the chill tank, the precipitation chamber, and the cold air side of the said heat-exchanger.

2,237,333

SEGREGATED PRESSURE AIR IMPELLING APPARATUS

Walter H. Bretslaff, Detroit, Mich., and Charles P. Grimes, Syracuse, N. Y.

Application August 4, 1937, Serial No. 157,275
10 Claims. (Cl. 257—137)



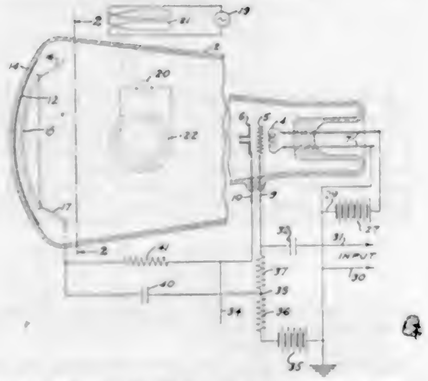
1. A segregated pressure air impeller unit comprising, an open air treating member, a disk type of fan having propeller blades of a suitable pitch in accordance with the air flow resistance of said air treating member, centrifugal air throwing vanes turned up on the trailing edges of said blades for throwing radially a portion of the air drawn onto said blades, the outer end of each of said vanes being inclined at an angle toward the radius of the blade, means for rotatably supporting and operating said fan adjacent one side of said air treating member for drawing air therethrough, enclosure means connecting from one side of the air treating member to form a suction chamber between the fan and the air treating member and forming a restricted shroud enclosing around substantially the midpoints of the tips of the fan blades, and said fan and enclosing shroud being suitably arranged in accordance with the air flow resistance of the air treating member to maintain a suitable sub-atmospheric pressure between the fan and the air treating member for causing the treated air to be delivered in a diverging air stream from the outlet side of the fan.

2,237,334

MEANS FOR GENERATING A PULSE IN A CATHODE RAY TUBE

Archibald H. Brolly, Palo Alto, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware

Original application October 16, 1933, Serial No. 693,710. Divided and this application December 23, 1937, Serial No. 181,302
3 Claims. (Cl. 250—164)



3. A cathode ray device comprising an envelope containing a concave picture area capable of becoming illuminated upon electron bombardment thereof, an electron gun for bombarding said picture area with a beam of electrons, and a conductive electron collector adapted to be impinged by said beam of electrons extending in an area parallel to said picture area and spaced adjacent thereto, said collector having a concave curvature in the direction of said beam of electrons substantially equal to the curvature of said picture area.

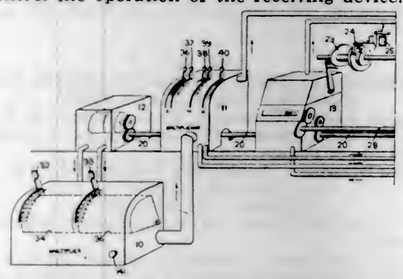
2,237,335

MULTIPLYING MACHINE

James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 2, 1928, Serial No. 266,762
20 Claims. (Cl. 235—61)

1. A calculating machine with factor entry means, one for entering a term of a compound denominate number and the other for entering the other factor of a computation, a receiving device adapted for control by differentially timed impulses and to show results in compound denominate form, said receiving device including means for receiving and accumulating entries based upon different notations, impulse emitting means for timing the emission of a set of differentially timed impulses representative of the numbers of one notation, other impulse emitting means for timing the emission of another set of differentially timed impulses representative of the numbers of a different notation, and means for creating under the control of the factor entry means compound denominate number product representing impulses from the impulses provided by the foregoing emitting means and which product representing impulses correspondingly control the operation of the receiving device.



20. Impulse timing, routing and selecting means for a calculating machine having a multi-denominational order set of result lines, a single and common impulse emitting means for emitting impulses timed to represent all the numbers of a notation for entry into any or all denominational orders of said result lines, a set of numeral lines one for each digit of a notation connected in fixed columnar relationship to the emitting means for all calculations, each numeral line invariably transmitting the same timed impulse whenever the remainder of its circuit is completed, means intermediate the said numeral lines and the result lines for allocating said impulses according to denominational order values, said impulses when originally emitted to the result lines having no denominational order values, means for also selecting which of said impulses are to flow to the result lines, said means including devices which are set up and retained set up for effecting such selection.

2,237,336

PUMPING OR COMPRESSING OF GASES

Amerigo F. Caprio, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

No Drawing. Application April 22, 1936, Serial No. 75,785
2 Claims. (Cl. 252—53)

1. Method of lubricating bearings of meters, without corrosion of bearing metals over periods of time, comprising applying to such bearings a lubricant consisting essentially of a non-volatile ester of phosphoric acid.

2,237,337

METHOD OF MAKING FIBROUS PRODUCT

Simon Collier, Plainfield, N. J., and Fred T. Randolph and William G. Collins, Waukegan, Ill., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 28, 1936, Serial No. 113,106
3 Claims. (Cl. 92—21)

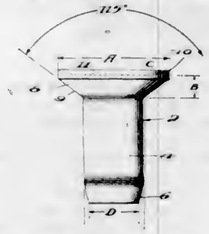
3. The method comprising forming an aqueous suspension including asbestos fibres and approximately equal proportions of finely divided, anhydrous, steam soluble sodium silicate and hydrated lime, with said asbestos fibres constituting a predominate part by weight of the dry materials, forming said fibres into a felted mat with said sodium silicate and lime contained therein, and subjecting said felted mat to an elevated temperature in the presence of moisture to cause said sodium silicate and hydrated lime to react to deposit a water-insoluble, heat-resistant binder in said mat.

2,237,338

RIVET

Hubert S. Dale, Middle River, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.

Application February 20, 1939, Serial No. 257,503
5 Claims. (Cl. 85—37)



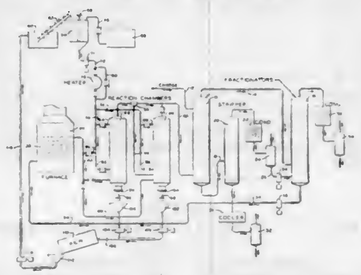
2. A rivet comprising a stem and a head of greater diameter than said stem attached to one end of and projecting outwardly of said stem, said head having an under-surface tapering toward said stem and having a dished upper surface.

2,237,339

APPARATUS FOR CRACKING HYDROCARBONS

Luis de Florez, Pomfret, Conn.

Application May 19, 1938, Serial No. 208,732
4 Claims. (Cl. 196—122)



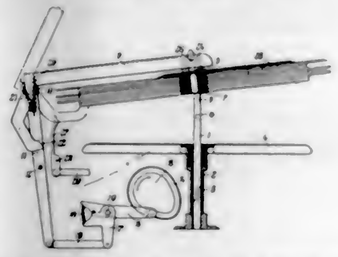
1. In an apparatus for the conversion of hydrocarbon oil by vapor phase reaction, a heater for vaporizing the oil, an enlarged conversion chamber into which the heated vapors are flashed, means for injecting into said chamber a mixture of finely divided adsorbent clay and water to aid in converting said vapors, means for drilling the spent clay and coke formed in the conversion from said reaction chamber, a kiln for revivifying the removed clay by burning coke and other impurities therefrom and means for mixing said revivified clay with fresh clay and water to form new slurry to be injected into said conversion chamber.

2,237,340

AUTOMATIC RECORD CHANGING MECHANISM FOR PHONOGRAPHS AND THE LIKE

Arthur Robert Downs, Brighton, England, assignor to The Garrard Engineering and Manufacturing Company Limited, Swindon, Wiltshire, England

Application March 8, 1940, Serial No. 323,012
In Great Britain February 7, 1939
5 Claims. (Cl. 274—10)



5. In a phonograph adapted to play a number of stacked records in succession, a turntable, record releasing mechanism including a spindle extending above the turntable, a shoulder on said spindle for supporting a stack of records adjacent their centers, a member extending upwardly from the spindle, through the stacked records at their centers, and mounted on said spindle for movement from a position in alignment therewith to a position offset therefrom, a support element coupled to said extension member, offset laterally with respect thereto, spaced below the shoulder of said spindle a distance in the order of the thickness of a record and movable with the extension member out of and into alignment with the spindle as the extension member is moved into and out of alignment with said spindle, and a recess in said spindle into which said support element fits when said extension member is out of alignment with said spindle, and means operatively connected with said extension member for moving said extension member into and out of alignment with the spindle, whereby all the stacked records will be displaced from the shoulder of the spindle to rest on said support element when the extension member is moved in alignment with the spindle, and the lowermost of the stacked records will be released for dropping along the spindle onto the turntable, while the remaining records of the stack will be returned onto the spindle shoulder when the extension member is moved out of alignment with the spindle.

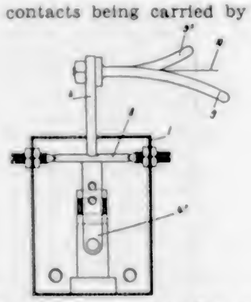
2,237,341

CIRCUIT CONTROLLER FOR TENTERING MACHINES

Julien Dungler, Thann, France

Application August 31, 1938, Serial No. 227,659
In France September 1, 1937
1 Claim. (Cl. 200—52)

In machines for treating cloth, a selvedge detecting apparatus actuating a device for automatically adjusting cloth guiding members in harmony with the lateral movement of the selvedges, said apparatus comprising a finger, a spindle pivotally supporting said finger in a plane perpendicular to the plane of the cloth, a detector element movable by the friction of the cloth in the direction of movement of said cloth, said detector element being connected with said finger and being situated on one side of said spindle, and contacts for electrically actuating said device, said contacts being carried by said finger



and being situated on the other side of said spindle.

2,237,342

CAMPHORYLIDENE SULPHANILAMIDES AND PROCESS FOR MAKING THEM

Joseph Ebert, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application December 5, 1940, Serial No. 368,674
6 Claims. (Cl. 260—556)

1. Camphorylidene p-aminobenzenesulphonamides.

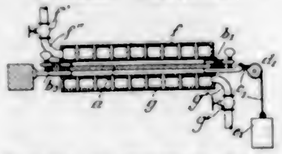
4. The process of preparing camphorylidene p-aminobenzenesulphonamides which comprises reacting camphoraldehyde with p-aminobenzenesulphonamide.

2,237,343

METHOD OF TEMPERING GLASS PLATES AND SHEETS

Bernhard Engels, Waldenburg-Altwasser, Silesia, Germany

Application January 22, 1938, Serial No. 186,395
In Germany November 27, 1936
7 Claims. (Cl. 49—45)



1. The method of tempering a flat sheet of glass which consists in holding the heated sheet at an angle to the vertical, by continuous, substantially even tension applied to opposite sides of the sheet, and free from supporting contact of any solid with the under face of the sheet between its edges, and applying currents of cooling fluid to the opposite faces of the sheet while it is so held.

5. A device for tempering a glass sheet comprising in combination means to apply tension to the sheet in a substantially horizontal plane and sufficient to hold the sheet in said plane, and means to apply jets of cooling air to both faces of the sheet.

2,237,344

SEMISTIFF COLLAR

John Gwynant Evans, Blackley, Manchester, and Archibald Renfrew, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 23, 1938, Serial No. 226,383
In Great Britain August 26, 1937
1 Claim. (Cl. 154—46)

A collar comprising a face ply and a back ply

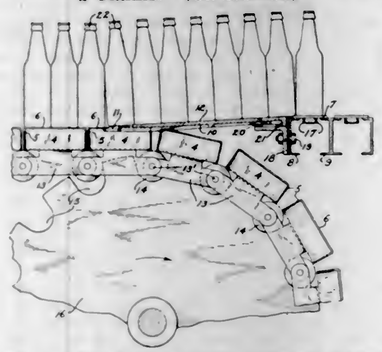
firmly bonded together by means of a film of polymerised ethylene, said film being cementitious at temperatures above 150° C. and capable of rebonding the fabric plies when separated by ironing at about 150° C., the said polymerised ethylene characterized by being a tough solid at normal temperatures and corresponding in composition substantially to $(CH_2)_x$, and having a molecular weight of at least 6000.

2,237,345

RECEPTACLE TRANSFER MECHANISM

Herman C. Frentzel, Jr., Shorewood, and Henry A. Strelow, Milwaukee, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application June 26, 1939, Serial No. 281,078
2 Claims. (Cl. 198—20)



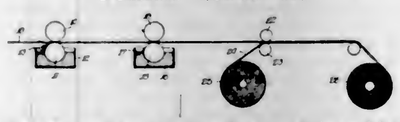
1. In combination, a main conveyor having a downward bend at its discharge end and being provided with parallel recesses extending in the direction of travel thereof, an auxiliary conveyor movable across and above the path of said main conveyor adjacent to said bend, a stationary receptacle transfer plate connecting said conveyors and having fingers at its lower end riding in said recesses, and a jack screw cooperating with a clamping screw at the upper end of said plate adjacent to said auxiliary conveyor for varying the inclination of said plate and for aligning said plate end with said auxiliary conveyor.

2,237,346

METHOD OF FORMING MATERIAL FOR CONTAINERS

Paul M. Gilfillan, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware

Application January 5, 1938, Serial No. 183,417
5 Claims. (Cl. 93—35)



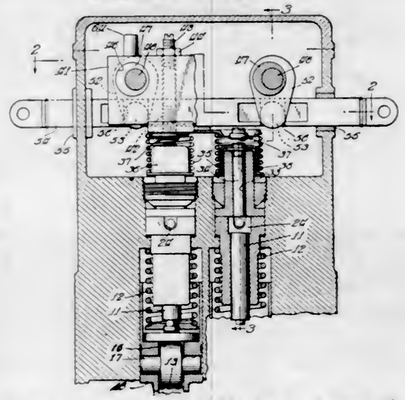
2. The method of forming container blanks, which comprises printing a web of transparent cellulose sheeting with recurring designs deposited in reverse, depositing substantially continuous marginal lines of an adhesive material along said web, depositing sectional transverse lines of adhesive along said web in predetermined relation with respect to said printed designs, contacting the printed side of said web with a second web to form a composite web adhered together along said adhesive lines, winding said composite web into roll form, unwinding said composite web from said roll, and severing said composite web along said sectional transverse lines of adhesive.

2,237,347

PUMP CONTROL

William D. Grannan and Winton J. Kelly, Flint, Mich., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application November 30, 1938, Serial No. 243,150
9 Claims. (Cl. 103—37)



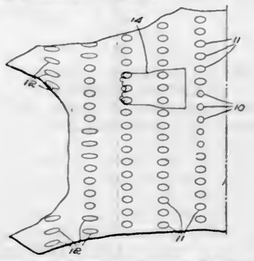
1. In a Diesel pump of the type wherein there is provided a reciprocable pump plunger and a reciprocable control plunger for controlling the volume output of said pump plunger and means for determining the limit of movement of said control plunger in response to fluid pressure produced by said pump plunger, said last named means comprising a stop for said control plunger adjustable axially of said control plunger, an eccentric for effecting axial adjustment of said stop, means providing a fixed axis about which said eccentric is made to turn and means for turning said eccentric about said axis.

2,237,348

PROCESS OF GLOVE CUTTING

William Green, Gloversville, N. Y., assignor to The Daniel Hays Company, Inc., Gloversville, N. Y., a corporation of New York

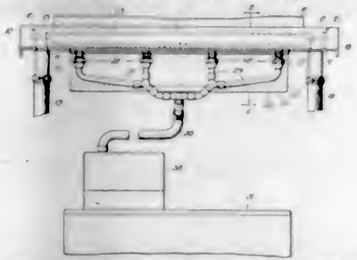
Application August 4, 1940, Serial No. 351,289
4 Claims. (Cl. 164—17)



1. A process of glove cutting which consists in first stretching a skin of leather in one direction, then printing on the stretched skin rows of circles spaced from each other and distributed over most of the area of the skin, then stretching the

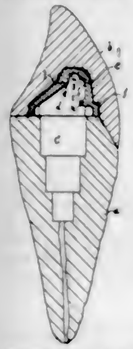
skin in a direction at right angles to the first stretching, and finally cutting out glove blanks from those areas of the skin where the circles have become approximately 3:2 ellipses.

2,237,349
PRINTING DEVICE
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application August 3, 1939, Serial No. 288,185
4 Claims. (Cl. 101—157)



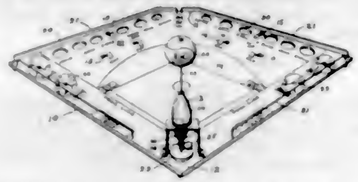
4. An intaglio printing unit, comprising a color bath provided with liquid level maintaining means, a printing cylinder rotatably mounted in said color bath with its lower side below said means, and an overflow trough adjacent said cylinder below its axis and on the downwardly turning side thereof, said trough having a downwardly inclined overflow ledge below said means.

2,237,350
PRODUCTION OF ARTIFICIAL TEETH
Heinrich Hollmann, Dortmund, Germany
Application June 4, 1938, Serial No. 211,741
In Germany June 11, 1937
1 Claim. (Cl. 32—13)



An artificial tooth comprising a root pin of standard size and construction, a cap of standard size and construction integral with said root pin, an outwardly projecting tongue on said cap, a hollow intermediate element mounted on said cap, the cavity formation of said element being standard but its external formation varying according to the size and type of the crown, an inwardly projecting tongue in the cavity of said hollow element adapted to co-operate with the tongue on said cap to anchor the parts together when cement is introduced, crown-supporting shoulders on the exterior of said intermediate element, and a socketed crown whose socket formation corresponds to the external formation of the intermediate element.

2,237,351
BASEBALL GAME
Harris Johnson, Brookfield, Ill., assignor to Ralph E. Foster, Brookfield, Ill.
Application September 5, 1940, Serial No. 355,427
3 Claims. (Cl. 273—90)



1. A baseball game comprising a board with a baseball playing field marked thereon, a plurality of upstanding ball catching devices attached to said board and spaced at positions occupied by infielders and outfielders of a baseball team in the field and having indicia to indicate outs, a plurality of spaced holes at the outer portions of the board having indicia to indicate different hits and strikes, a turntable rotatably attached to said board, and having a socket to receive a small ball, a support attached to said board and having a portion extending above said turntable, said portion having an opening, a rod extending through said opening in said portion, and downwardly to a point adjacent said socket on said turntable, a spring attached to said support and surrounding said rod, a large ball attached to the upper portion of said rod, a rocking member attached to said rod and resting on said support so that upon said large ball being struck with a bat, said rocking member will rock on said support and the lower portion of said rod will strike the small ball out from the turntable onto the playing field.

2,237,352
LENS MOUNTING FOR EYEGLASSES
William Krodel, New Hyde Park, N. Y., assignor to T. & P. Optical Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application November 30, 1939, Serial No. 306,783
1 Claim. (Cl. 88—47)

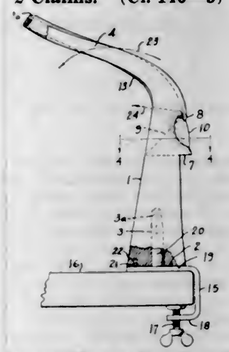


The combination with a pair of lenses having their outer peripheral edges beveled; of a frame for said lenses including lens members each extending coincidentally with and completely around the peripheral edge of its associated lens and engaging only the rear face thereof and each divided to form separable ends terminating in opposed enlargements, lens clamping lugs disposed at intervals on the outer periphery of said lens member and having free extremities extending forwardly therefrom for overlying and clamping engagement with the beveled edge of its lens, a nose pad arm secured to one of the enlargements of each lens member, and a fastening element extending through the enlargements of each lens member and for contracting the latter so as to effect clamping engagement of said lugs with said lens, said fastening element and lugs constituting the sole means of securing each lens to its lens member.

2,237,353
CATALYTIC PROCESS FOR ACETYLENE POLYMERIZATION
Max Lange, Frankfort-on-the-Main-Unterliederbach, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 26, 1939, Serial No. 292,072. In Germany September 1, 1938
4 Claims. (Cl. 260—678)

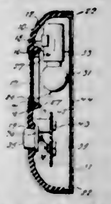
1. Process which comprises polymerizing acetylene to non-benzenoid polymers thereof by passing acetylene into contact with a mixture comprising sulfuric acid of at least 40 per cent concentration and copper.

2,237,354
BANANA PEELER
Robert E. Leavens, Houston, Tex.
Application December 7, 1939, Serial No. 307,953
2 Claims. (Cl. 146—5)



1. An implement for peeling bananas comprising a shank forming a grip and terminating at one end in an approximately elliptical frame having flexible side bars and having an opening through the frame for the passage of the peeled banana, the forward end of the frame being formed into diverging guide means to guide the peeling, a blade beneath the guide and anchored to the shank and a removable dividing blade extending longitudinally across the opening and whose ends are supported by the corresponding ends of the frame.

2,237,355
ILLUMINATED NAME PLATE AND ELECTRICAL PUSH BUTTON
Louis Ludwig, Brooklyn, N. Y.
Application February 9, 1940, Serial No. 318,089
2 Claims. (Cl. 40—132)

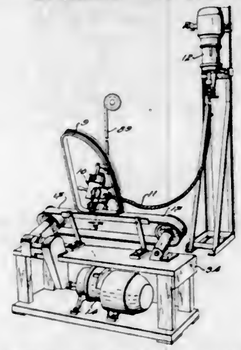


1. An illuminated name plate comprising in combination, a housing having means for attachment on a flat panel at a door and having a front wall and four side walls, means on the front wall for supporting a name plate thereon, an aperture in the front wall, said means comprising a narrow ledge on the peripheral wall of said aperture, a second narrow ledge within and below said first ledge, a name card mounted on said second ledge over the aperture, opposite recesses intercepting the ledges, and a rectangular frame having opposite ears projecting rearwards, said frame resting on said first ledge and over the name plate and said ears lying in said recesses and bent back under the side walls of the aperture.

2,237,356
INSECTICIDE
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 2, 1939, Serial No. 271,283
7 Claims. (Cl. 167—30)

1. An insecticide comprising a lower alkyl ester of 3-isopropyl 6-methyl 3,6-endoethylene Δ^4-tetrahydro-phthalic acid.

2,237,357
GRAINING MACHINE FOR MOLDING
John W. Milner, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application December 17, 1938, Serial No. 246,341
12 Claims. (Cl. 101—154)

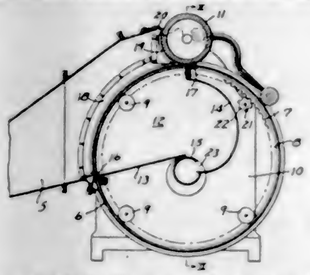


12. A graining machine including, in combination, a frame, a hollow graining roll having a continuous cylindrical surface mounted on said frame and forming a reservoir for ink, transfer means in contact with said roll, and means for applying ink from the interior of said roll to the exterior face thereof.

2,237,358
LINT CONDENSER
George C. Morgan, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application April 29, 1939, Serial No. 270,759
10 Claims. (Cl. 19—156)

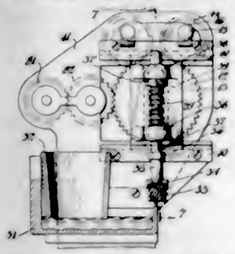
1. Apparatus for separating fibers from an air stream, comprising a duct for the fiber bearing air stream, a fiber collecting screen movable across the path of said air stream, means to conduct said air stream away from said screen surface comprising walls defining an outlet chamber subtending the active lint collecting surface of the screen, and an air discharge pipe having an intake port communicating with said chamber and ex-

tending transversely to the line of flow of the air stream, there being an element disposed to intercept direct radial flow of air from the active



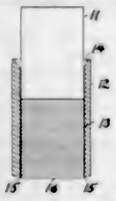
surface of the screen into said port, and the chamber walls being disposed to deflect air currents impinging thereon towards said port.

2,237,359
APPLYING MACHINE
Frederick C. A. Ott, Glendale, N. Y., assignor to Mundet Cork Corporation, Brooklyn, N. Y., a corporation of New York
Application September 29, 1937, Serial No. 166,432
6 Claims. (Cl. 144—280)



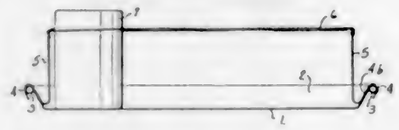
1. An applying machine including a receptacle to contain a liquid, an applicator, a rod for mounting said applicator, rails, means for guiding said rod along said rails to have sidewise limits of movement within and outside said receptacle, a gear connected to said rod to shift the same to such limits of travel, a pin and slot connection between such rod and gear to furnish such connection, and means for projecting said rod and applicator in a direction at right angles to the direction of sidewise movement and as the latter reach the limits of such sidewise movement.

2,237,360
DEVICE FOR APPLYING ADHESIVE MARKERS TO SURFACES
Peter J. Peregallo, Hawthorne, N. J.
Application May 8, 1940, Serial No. 333,962
2 Claims. (Cl. 271—18)



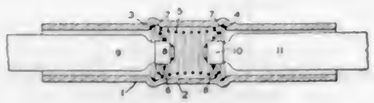
1. A device of the type described including a cylindrical container adapted to hold a plurality of stickers made of hard elastic material, an internal annular shoulder near the base of said container for supporting said stickers, said shoulder being located at a distance above the base of the container less than the thickness of a single sticker for preventing more than one sticker from being ejected from the container during each operation, and a plunger adapted to slide in said container for ejecting said stickers from the base thereof.

2,237,361
TRAY RACK
James R. Poynter, League City, Tex., assignor of one-half to J. S. Jackson and Winifred Yates Jackson, Brazoria County, Tex.
Application June 9, 1939, Serial No. 278,417
2 Claims. (Cl. 65—65)



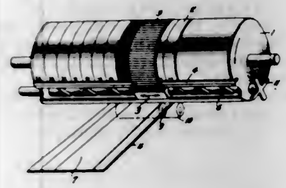
1. The combination with a tray having upstanding rims, of an elongated rack of heavy wire, a portion of said rack being formed with a single series of aligned ringlike holders located so as to define an arc, downwardly turned side legs on the rack at substantially right angles to said arc, the lower ends of said legs being formed into overturned hooks adapted to engage said tray rims at opposite sides of the tray, the distance between said hooks being normally different from the distance between said rims whereby the holders are brought into a substantially common plane while the hooks are engaged with said rims to cause the hooks to grip the rim.

2,237,362
ELECTRICAL CONNECTOR
Otto A. Rieman, St. Louis, Mo.
Application April 20, 1940, Serial No. 330,706
5 Claims. (Cl. 173—328)



1. A connector for electrically connecting two elements together and comprising an imperforate sleeve of insulating material open at both ends for receiving the two elements, two spirally wound spring coils, means for electrically connecting the outer portions of said coils together and in spaced relation with the axes of the coils in alignment, and means including shoulders on the interior of the sleeve for so mounting said coils and their connecting means in the central part of the sleeve that said coils will be positioned across the sleeve and the outer portions thereof prevented from axial movement to thereby permit the central portion of each coil when engaged by an element inserted in the end of the sleeve to be flexed inwardly of the sleeve and without relative axial movement between the outer portion and the sleeve.

2,237,363
METHOD OF AND APPARATUS FOR COPYING PRINTED MATTER
Wilhelm Ritzerfeld and Heinrich Fischer, Berlin, Germany; said Fischer assignor to said Ritzerfeld
Application January 13, 1939, Serial No. 250,674
In Germany January 18, 1938
14 Claims. (Cl. 101—47)

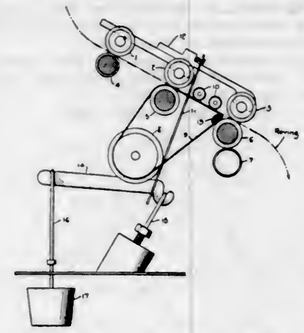


1. In a duplicating machine printing onto clear sheets by means of copyable mirror-script originals, the combination comprising a plurality of carrier members, each adapted to receive and to hold a copyable mirror-script original, at least one of said originals remaining constant for a number of copies and at least one of said originals having a plurality of selectively copyable portions, and means for passing a clear sheet in pressure contact with said constant original and with a predetermined portion of said selectively copyable original, said means being constructed and arranged to provide a copy of such copyable matter on said sheet in substantially adjacent position and in a single operation.

10. The method of printing onto copy sheets by means of copyable mirror-script originals a text having at least one constant portion remaining the same for a predetermined number of copy sheets and at least one variable portion selected from a group of such portions which comprises distributing the text on a plurality of originals at least one of which bears said constant portion and at least another of which bears said group of variable portions, displacing said originals into such relative positions that said constant portion and at least one of said variable portions are adjacent to each other, and passing a copy sheet in pressure contact solely with said selected portions of said cooperating originals to print a copy of such portions on said sheet in a closely adjacent position and in a single printing operation.

2,237,364
LONG DRAFT SPINNING
Fred J. Schiessler, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application January 25, 1940, Serial No. 315,463
6 Claims. (Cl. 19—131)

1. In a mechanism for drafting rovings comprising artificial staple fibers, the combination of a set of front and middle drafting rolls, flexible means for supporting said roving between said middle and front drafting rolls, means for holding a portion of said flexible support in close proximity to said front drafting roll, means for contacting said roving positively at a plurality of points on said supporting means, the point closest to the front drafting rolls being behind the means for holding the flexible support in

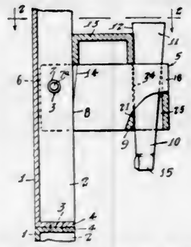


proximity to the front drafting rolls, and means for tensioning said flexible support.

2,237,365
PRODUCTION OF OXIMES
Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 27, 1939, Serial No. 306,427. In Germany November 28, 1938
10 Claims. (Cl. 260—566)

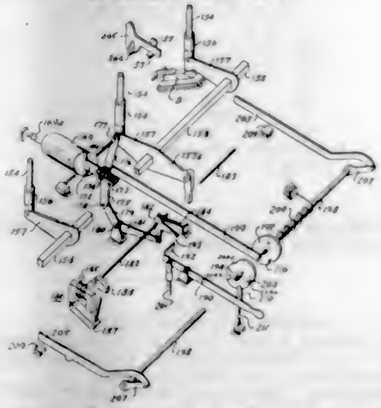
1. Process of producing oximes which comprises mixing an aqueous solution of hydroxylamine with less than the stoichiometric proportion of a cycloalkanone capable of forming an oxime, neutralizing the mixture, separating the oxime formed, adding an excess of said cycloalkanone to the remaining hydroxylamine solution and neutralizing again.

2,237,366
WALER DOG AND CLAMP
Moses Schlatter, Los Angeles, Calif.
Application August 26, 1939, Serial No. 292,082
4 Claims. (Cl. 254—104)



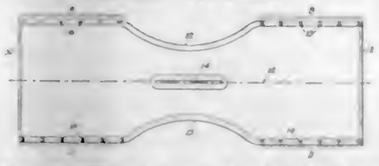
2. A waler dog and clamp for securing abutting flanges with aligning holes, and clamping the same to a waler bar extending across the edges of the flanges, said waler dog having a plate form body with a projecting tongue at its inner end to overlie the said abutting flanges, a pin projecting down from said tongue to be received in the aligning holes of the flanges, said body also having a wedge guide at its outer end for guiding a wedge in substantially the plane of the body, and a wedge carried in said wedge guide and capable of developing a stress between the side of the pin and the wedge to clamp the waler bar against the edges of said flanges.

2,237,367
SWITCHBOARD
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Original application August 27, 1938, Serial No. 227,089. Divided and this application January 18, 1939, Serial No. 251,500
10 Claims. (175—298)



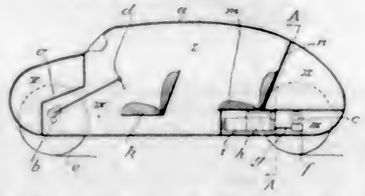
1. A circuit-controlling arrangement comprising a fixed unit, a movable unit adapted to be withdrawn therefrom, complementary disconnect contacts mounted on said units, a switch mounted on said movable unit and connected to the disconnect contacts thereof, operating means for closing said switch and releasably retaining it in closed circuit position, tripping means for releasing said switch and for disabling said operating means, manually operable racking means for moving said movable unit from service position in which the disconnect contacts of said units are in engagement to a position in which said disconnect contacts are disengaged, and means for locking said racking means including a member movable to unlock said racking means whether said switch be in open or closed circuit position and concurrently to actuate said tripping means to effect disablement of said switch operating means.

2,237,368
CONVERTIBLE GARMENT
Julius Seltzman, New York, N. Y., and Benjamin Seltzman, Richmond, Va.
Application February 27, 1940, Serial No. 321,004
4 Claims. (Cl. 2—91)



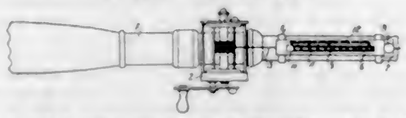
1. A convertible garment adapted to be worn as a scarf draped around the neck, a sleeveless sweater covering the upper part of the torso and a sleeved garment covering the arms and upper portions of the chest and back, comprising a strip of textile material having a width sufficient to pass half way around the torso of the wearer and a length not exceeding substantially twice the measure from the center of the neck to the wrist of said wearer, said strip having a centrally disposed opening of sufficient size to be passed over the head of said wearer, and the end portions of the strip carrying on their lateral edges two complementary types of fastening means, one of said types being on two diagonally opposite ones of said edges, and the other of said types being on the other two diagonally opposite ones of said edges.

2,237,369
REAR ENGINE VEHICLE
Wilhelm Seyerle, Waldenbronn, near Esslingen-on-the-Neckar, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application November 24, 1937, Serial No. 176,159
In Germany April 1, 1935
15 Claims. (Cl. 180—54)



1. In a power vehicle, in combination, a substantially closed body structure, rear seats in said body, a space under said rear seats closed at the top by the bottom of said seats, at the front by the seat riser, and at the bottom and sides by the body, and open at the rear, and a motor and transmission positioned substantially wholly within said space.

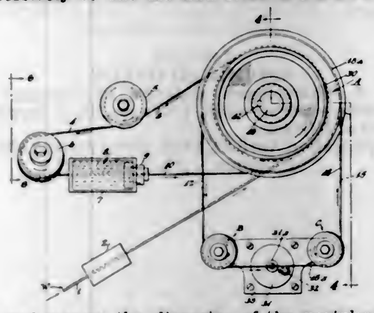
2,237,370
FISH ROD SCALE
Abraham J. Shekter, Jamaica, N. Y.
Application March 30, 1939, Serial No. 265,063
1 Claim. (Cl. 265—63)



A scale constructed to be secured upon a fish rod, said scale having a tubular body portion through which the fish line may be passed, the said scale having a spring and an indicating member adapted to be moved against the spring lengthwise of the scale, the said member having releasable means for securing the fish line to the end of the member whereby when the line is so secured the weight of a fish on the end of the line will be indicated.

2,237,371
WIRE DRAWING APPARATUS
Abraham Simons, New York, N. Y.
Application March 2, 1938, Serial No. 193,421
5 Claims. (Cl. 205—13)

1. Wire drawing apparatus comprising a turnable drum having a base portion on which the wire can be coiled in a plurality of superposed turns, said drum having grooved means below said base portion, the periphery of the groove of said grooved means being circular, a turnable back-pull member having a groove whose periphery is of circular shape, said back-pull member being located below said grooved means and being mounted to be turnable about the same axis of revolution as the drum, slip-coupling means between the drum and said back-pull member, a die, guide means adapted to guide the wire to the groove of said back-pull member and then successively to the die and from the die to said

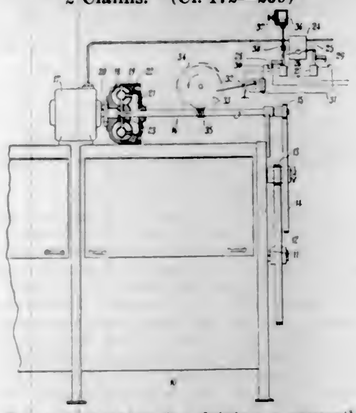


grooved means, the diameter of the periphery of the groove of said grooved means being sufficiently greater than the diameter of the groove of said back-pull member to cause the back-pull member to turn at greater angular velocity than the drum when the device is operated, and slip-coupling means between the drum and the back-pull member.

2,237,372
PREPARATION OF SULPHANILAMIDE
John Kenson Simons, Dormont, Pa., assignor to Piaskon Company, Inc., Toledo, Ohio, a corporation of Delaware
No Drawing. Application June 16, 1938, Serial No. 214,143
3 Claims. (Cl. 260—556)

1. A method of preparing sulphanilamide that comprises bringing together p-chlorobenzene sulphonyl chloride, aqueous ammonia and a copper catalyst, and heating to about 150° C.

2,237,373
REVERSING MECHANISM
Harold Sinclair, Kensington, London, England
Application May 26, 1938, Serial No. 210,198
In Great Britain August 27, 1937
2 Claims. (Cl. 172—239)

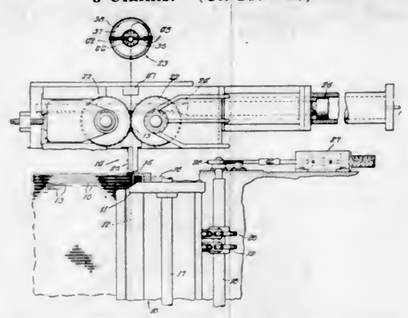


1. In an apparatus for driving a reversible rotary part having substantial inertia from a reversible driving motor serving to rotate said part continuously in one direction for a limited period and immediately thereafter in the other direction for a limited period, this cycle of operations being repeated, the combination of a hydraulic turbo coupling having an impeller connected to said motor and a runner connected to said part, a reversing controller for said motor, said controller including an actuating member, means for automatically operating said actuating member and means which, upon operation of said actuating member, first de-energize said motor and allow said motor and part to decelerate idly for a short period, and thereafter energize said motor in the reversed sense to cause said impeller and runner to rotate momentarily in opposite directions to rapidly stop the rotation of said part and immediately start its rotation in the same direction as that of the impeller.

2,237,374
PAPER FILLER
Allan K. Smith, Appleton, Wis., assignor to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application July 11, 1936, Serial No. 90,255
10 Claims. (Cl. 134—58)

1. A method of making a filler for use in the paper industry which comprises mixing an aqueous solution of an alkali silicate with an aqueous solution of a soluble metal salt, the metal of said salt being selected from the group of metals forming white oxides in the presence of dilute alkaline solutions, neutralizing the mixture with an acidic material, washing the precipitate thus formed to remove soluble salts and drying said precipitate.

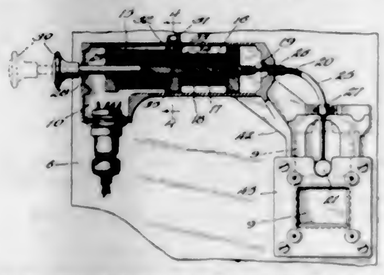
2,237,375
FILLER WIRE SUPPLY MEANS
Harry M. Steuer, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 7, 1938, Serial No. 239,242
3 Claims. (Cl. 140—10)



1. In a weaving machine for weaving wire screen composed of a plurality of warp wires extending lengthwise of the screen and a plurality of successive filler wires of elongated cross-section extending laterally across said cloth and between said warp wires, a weaving head including a guide means for successively guiding said flat filler wires into position transversely of said warp wires, the combination therewith of a pair of flattening and injecting rolls disposed adjacent said guide, a stationary reel and guide assembly adjacent said flattening and injecting rolls adapted to support a roll of round wire and pro-

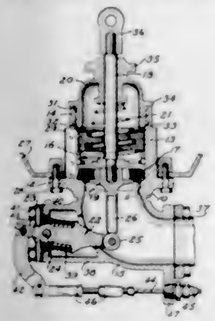
viding for the same being fed from the end of said roll to said flattening and injecting rolls, the same being effective to flatten said round wire and inject it into said guide means, and power means for successively rotating said rolls to produce flat filler wire and inject a predetermined length thereof into said guide.

2,237,376
ELECTRIC CHANGEOVER
Lawrence D. Strong, Chicago, Ill.
Application November 14, 1938, Serial No. 240,286
1 Claim. (Cl. 88—17)



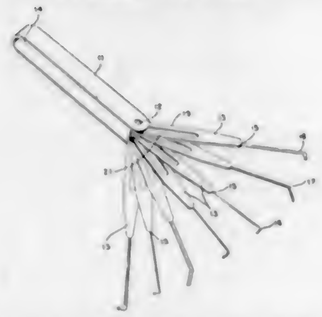
The combination with a projector having an aperture, of a changeover comprising a housing mounted adjacent to the aperture, a shutter for opening and closing said aperture, a solenoid in said housing having an armature, a ball engaging with the armature, a screw mounted adjacent to the ball, a spring between the screw and the ball whereby the pressure of the ball on the armature may be regulated, and a flexible shaft operatively connecting the armature with the shutter.

2,237,377
EMERGENCY VALVE
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 6, 1939, Serial No. 249,631
3 Claims. (Cl. 137—21)



1. In an emergency valve, a valve cage having a seat, a valve plunger movable toward said seat, a lever having a roller journalled on its end and swingable to engage and move said plunger away from said seat, said lever extending outwardly through said cage and having a rigid actuating arm extending laterally from its outer end, a flexible diaphragm seal having inner and outer edge portions, said edge portions being fixedly attached to said lever and said cage respectively so as to seal the opening through which said lever projects and said seal being deflectable intermediate said edge portions during swinging of said lever, and means coacting with said arm and being movable longitudinally of said lever for swinging said roller to actuate said plunger.

2,237,378
ASSEMBLED GAUGE
Rolf A. Thienemann, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application April 21, 1938, Serial No. 203,359
2 Claims. (Cl. 7—16)

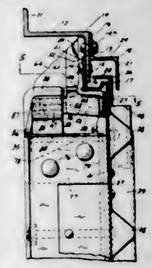


1. An article of manufacture comprising a plurality of gauging implements each secured to an individual holder, said holders each formed of relatively rigid bar metal with a longitudinal cutout to afford parallel springable tines which are thicker in their common plane than they are at right angles to said plane and one of which is shaped to present a segmental claw facing the other one of said tines, a U-shaped handle including parallel and coincident side portions, and a cylindrical tie post having substantially the same radius as the inner surface of said claw but being of a slightly greater diameter than the maximum distance between said claw inner surface and said other one of said tines, securing said side portions at their free ends and providing intermediate said side portions a pivot upon which may be sprung the parallel tines of each of said holders with said claw partially embracing said pivot post for thereby supporting its said implement under pivotal tension.

2,237,379
ALLOY
Jacob Trantin, Jr., Youngstown, Ohio
No Drawing. Application March 28, 1940, Serial No. 326,429
3 Claims. (Cl. 75—126)

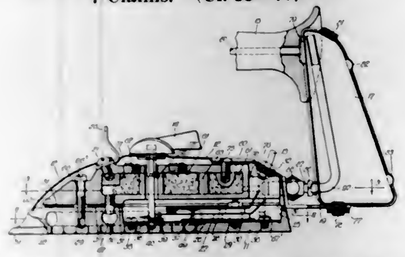
1. A guide for metal bars during hot rolling thereof in a mill, said guide being of cast steel having an analysis including between about 1.00 and about 1.50 per cent carbon, about .40 to about 1.00 per cent manganese, about .50 to about 3.00 per cent silicon, about 5.00 to about 30.00 per cent chromium, up to about 1.00 per cent molybdenum, up to about .50 per cent vanadium, between about 1.50 and about 5.00 per cent copper, and the remainder substantially all iron, said guide having a hardness greater than its hardness in an annealed state, and being characterized by wear-resistance and freedom from scale pickup.

2,237,380
CAR DOOR
George R. Treptow, Chicago, Ill., and Carl E. Fabian, Youngstown, Ohio, assignors to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application August 19, 1938, Serial No. 225,736
7 Claims. (Cl. 20—22)



1. In a railway house car having a side plate and main and auxiliary doors slidable upon the outside of said car, a member having an attaching flange secured to said side plate and a portion depending from said flange and projecting outwardly beyond said flange in close proximity to the inside of said doors when the latter are closed, said depending portion extending across the meeting edges at the upper margins of said doors and obstructing the passage of light at said meeting edges into said car.

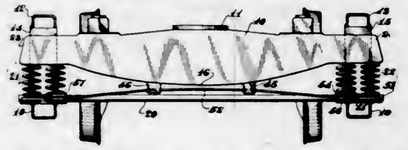
2,237,381
STEAM-GENERATING FLATIRON
Stanley Wallace, Chicago, Ill.
Application May 17, 1937, Serial No. 143,031
7 Claims. (Cl. 38—77)



1. An electric iron comprising an ironing member, a boiler element superimposed on said member, passageways for the transmission of steam from said boiler element to the face of said ironing member, a cover enclosing said boiler element, a bracket extending to the rear from said cover, a substantially vertical water tank supported on said bracket in spaced relation to the said ironing member and boiler element, a conduit extending substantially horizonally from the lower end of said tank to said boiler element, an upwardly extending bracket secured to said cover near the front end thereof, and a handle secured to the upper end of said last mentioned bracket and to the upper end of said tank.

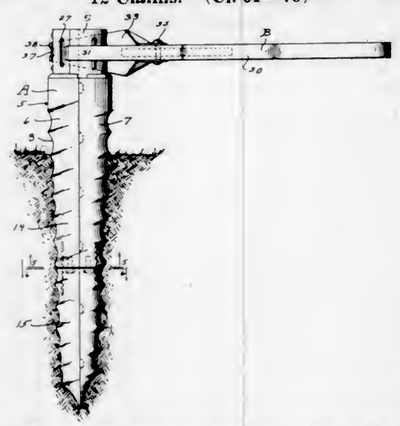
5. In a steam iron, a sole plate having a steam channel at the forward end thereof, there being openings extending from said channel to the face of the sole plate, a recess in the upper side of said sole plate, a boiler superimposed on said sole plate, a heating element between said boiler and sole plate, a thermostatic device in said recess for controlling said heating element, adjusting means for said device including a shaft extending upward through said heating element and said boiler, said boiler including a solid section having an opening for the reception of said shaft, means for rotating said shaft, and a steam passage forward of said recess and shaft extending downward from the front end of the boiler to the said steam channel in the sole plate.

2,237,382
STABILIZER FOR VEHICLES
George V. Woodling, Cleveland, Ohio
Application June 6, 1938, Serial No. 212,013
23 Claims. (Cl. 105—197)



2. In a car truck construction, including in combination, side frames, a car truck bolster mounted transversely of the car truck, supporting springs carried by the side frames and resiliently supporting the ends of the bolster, a stabilizing flat spring positioned under the bolster to dampen oscillations, two spaced mounting means for securing two spaced portions of the stabilizing flat spring to the bolster, and two engaging means carried by the side frames for slidably and frictionally engaging the ends of the stabilizing flat spring, and means responsive to the load on the supporting springs to establish pressure between the engaging means and the ends of the stabilizing flat spring to vary the frictional resistance therebetween.

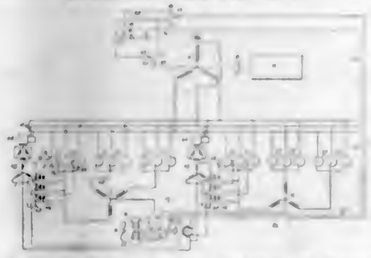
2,237,383
POST OR POLE SINKER
Giacomo Agostineto, Trout Creek, Mich.
Application April 22, 1940, Serial No. 331,018
12 Claims. (Cl. 61—78)



1. A post or pole sinker comprising a hollow externally threaded sinker screw embodying an upper body portion and a longitudinally divided lower portion providing companion tip portions, means yieldably connecting the tip portions to

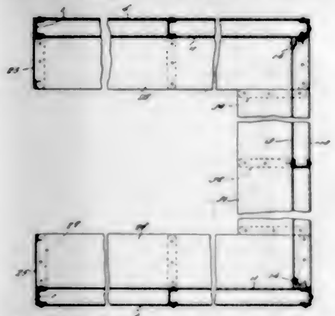
the body portion and permitting the tip portions to be spread apart, and a wrench engaging portion at the upper end of the body portion.

2,237,384
ELECTRIC POWER SYSTEM
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 26, 1939, Serial No. 270,186
27 Claims. (Cl. 172—237)



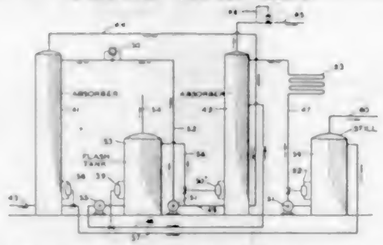
1. In an electric power system, a source of electrical energy, an electric motor having a field winding and a plurality of electrically displaced stator winding sections each having a plurality of phase terminals, electronic means including a plurality of electric discharge valves each provided with an anode, a cathode and a control electrode, all of said anodes being connected with said source of electrical energy while said cathodes are connected to one of said plurality of phase terminals, and means for selectively completing a circuit between said source and said winding sections so that energy may be transmitted to said plurality of stator winding sections in parallel or individually.

2,237,385
WAITING STATION
James G. Anderson, Wauchula, Fla.
Application June 7, 1939, Serial No. 277,907
2 Claims. (Cl. 189—1)



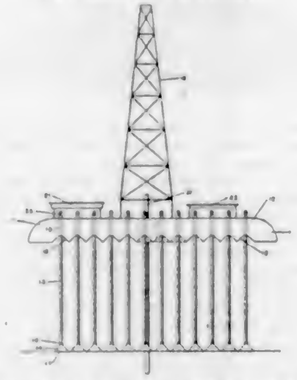
1. In a metal building including a pair of side walls and an end wall, each side wall including posts and inner and outer wall forming sheets connected with the posts, the end wall including sheets connected with the adjacent end posts of the side walls, angle iron brackets having flange parts connected with said posts of the side walls with said flange parts resting against end portions of the inner sheets of the side walls and other flange parts extending at right angles and inwardly from said inner sheets and sheets connected with said inwardly extending flanges and forming an inner part of said end wall.

2,237,386
METHOD OF RECOVERING HYDROCARBONS
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 21, 1937, Serial No. 181,041
3 Claims. (Cl. 183—114.6)



1. In a process for treating hydrocarbon gas having components of different volatility, comprising passing a stream of said gas through first and second absorption zones in series, contacting said gas in said second zone with a stream of absorption liquid sufficient to absorb the more volatile desirable components of said gas, diverting a portion of said liquid stream, contacting the gas in said first absorption zone with the undiverted portion of said stream of absorption liquid, the undiverted portion of said stream of absorption liquid being sufficient to absorb the less volatile components of said gas, denuding said undiverted stream of absorption liquid, recycling the denuded liquid to a point in said second absorption zone, and recycling said diverted liquid to said second absorption zone at a point upstream with respect to said gas relative to said point at which said denuded liquid is admitted.

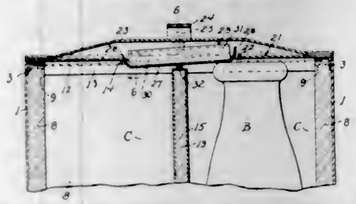
2,237,387
DRILLING BARGE
Wilbur J. Crites, Bartlesville, Okla., and Paul C. Murphy, Houston, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application June 28, 1939, Serial No. 281,720
6 Claims. (Cl. 61—46)



1. A barge for drilling oil wells located under a body of water comprising a main barge body, piling members carried by the barge body into which water is pumped to anchor the piling to the bottom of the body of water, connector means carried by the barge for connecting the barge to the piling members when said piling members

are anchored and said piling members being buoyant when unwatered so as to be lifted from the bottom of the body of water and the barge floated away when drilling is completed.

2,237,388
SAFETY MILK BOTTLE CABINET
Terrell E. Hutchens, Tuttle, Okla.
Application February 27, 1940, Serial No. 321,123
8 Claims. (Cl. 232—41)



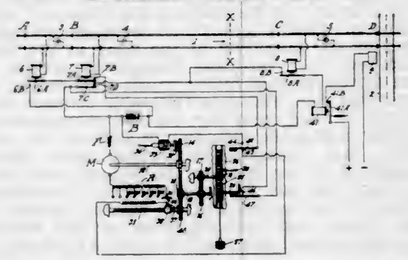
1. An exchange cabinet for milk bottles and similar articles, comprising a box having a partition dividing it into two chambers for bottles, said box being open at the top and provided with slideways at the sides, a lid slidable endwise in said slideways for closing said chambers, and means carried by said lid and engageable with fixed stops on the box and governed by the presence of a bottle in one of said chambers for holding said lid from being slid in the direction of the other of said chambers when the other of said chambers is empty a distance sufficient to expose the bottle in said one of said chambers.

2,237,389
TROLLING AND CASTING BAIT CARRIER AND HOOK
Harry L. Ludwig, Miami, Fla., assignor to H. L. Ludwig and Son, Inc., Miami, Fla., a corporation of Florida
Application August 9, 1939, Serial No. 289,286
3 Claims. (Cl. 43—40)



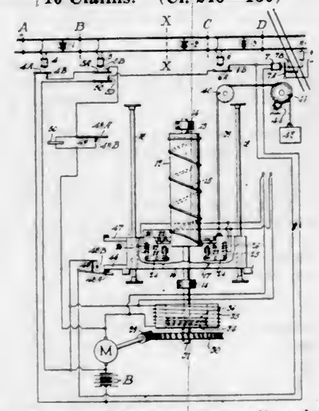
1. As an article of manufacture, a bait carrier and hook of the class described comprising an elongated shank having a plurality of rearwardly bent hooks, a plurality of longitudinally extending bait-carrying shanks secured to the first mentioned shank adjacent the hooks and having their free ends extending away from the hooks, the bait-carrying shanks being adapted to carry a bait longitudinally thereof for clamping bait against the first mentioned shank, and a keeper carried by the outer end of the first mentioned shank and provided with pockets for receiving the free ends of the bait-carrying shanks for locking the bait-carrying shanks in a closed position.

2,237,390
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
Samuel Miskelly, Downers Grove, Ill., assignor to Western Railroad Supply Company, Chicago, Ill., a corporation of Illinois
Application April 7, 1939, Serial No. 266,547
11 Claims. (Cl. 246—130)



1. In a signalling system for a highway crossing on railroads, the combination with a signal at a highway crossing, of a relatively short track section spaced from the crossing, a relatively long track section between the short section and the highway, and a signal operating device comprising: a movable element adapted to be wound up at a variable speed and to run down at a constant speed, a variable speed electric motor to wind up said element at a predetermined increasing rate during the time a train moves across the short section, means to vary the speed of said motor at a progressive rate and controlled automatically thereby to cause said movable element to be displaced a distance such that it can return at substantially uniform rate to its initial position a predetermined time interval prior to the train reaching the crossing, and means to operate said signal upon the return of said element to its initial position.

2,237,391
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
William D. Sellers, Glen Ellyn, Ill., assignor to Western Railroad Supply Company, Chicago, Ill., a corporation of Illinois
Application April 7, 1939, Serial No. 266,548
10 Claims. (Cl. 246—130)



1. In a control system for railroad-highway grade crossing signals, a plurality of mutually insulated track sections including a first section

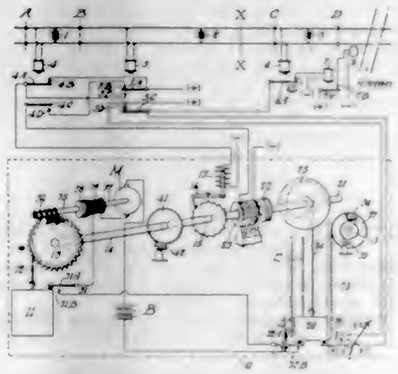
and a second section approaching a highway, a signal at the highway, a normally energized relay in each of said sections adapted to be shunted by the entrance of a train into the section in which it is connected, and means responsive to the passage of a train through said sections in the direction of the highway to cause the operation of the signal at a predetermined time interval prior to the arrival of the train at the highway; said means comprising a constant speed motor energized by the operation of the relay in the first track section, a vertically displaceable weight, a cam driven by said motor to lift said weight at a variable rate, means to releasably connect said weight to said cam for vertical displacement thereby during the actuation of said cam by said motor, said releasable connecting means being controlled by the relay in the second track section adjacent said first section, speed controlling means governing the uniform rate of descent of said weight, and means operated by said weight by its downward movement to control said signal.

2,237,392

APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS

Arthur R. Whitehorn, Downers Grove, Ill., assignor to Western Railroad Supply Company, Chicago, Ill., a corporation of Illinois

Application April 7, 1939, Serial No. 266,549
14 Claims. (Cl. 246—130)



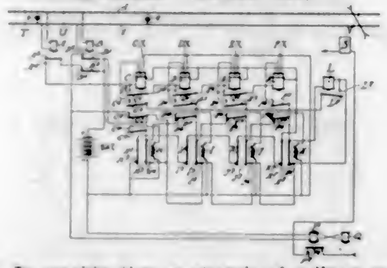
1. In a railroad-highway signal control system a plurality of mutually insulated track sections including a measuring and an operating section approaching a highway, a signal at the highway, a normally energized relay in each of said sections adapted to be shunted by the entrance of a train into the section in which it is connected, and means responsive to the passage of a train through said sections to cause the operation of the signal at a predetermined constant time interval prior to the arrival of the train at the highway; said means comprising an element, gravity actuated means controlled by the relay in the measuring section to operate said element, a member displaceable at a variable rate by said element, means to release said member to return by gravity to its initial position controlled by the relay in the operating section, means to effect a constant speed return of said member, and motor-operated means to return said system to its initial condition, and means to energize said last-mentioned means upon the train passing the highway and the cessation of the operation of the signal.

2,237,393

APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS

Arthur R. Whitehorn, Downers Grove, Ill., assignor to Western Railroad Supply Company, Chicago, Ill., a corporation of Illinois

Application June 21, 1939, Serial No. 280,259
12 Claims. (Cl. 246—130)



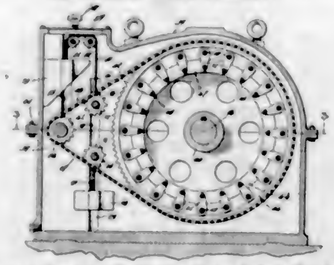
7. In combination, a stretch of railway track divided into measuring and operating sections, the latter of which is intersected by a highway, a track circuit for each of said sections including a track relay, a highway crossing signal at the intersection, a plurality of relay units each comprising a pick-up relay and a time delay relay, means set into operation by the track relay of the measuring section for sequentially energizing the pick-up relays of said units to a number determined by the time said measuring section is occupied by a train prior to its entry into said operating section, means to energize the time delay relay of each unit upon the energization of the pick-up relay of that unit, means to de-energize the last previously energized time delay relay upon the operation of the pick-up relay of the next succeeding relay unit, means set into operation by the track relay of the operating section upon the entry of a train into that section to render inoperative unenergized pick-up relays, and means effective to start the operation of said signal upon the operation of the last-energized time delay relay, characterized in that the time delay characteristics of said comparison relays are different and are such that in each instance under the influence of the last-energized relay the signal is placed in operation for a desired warning period prior to the arrival of the train at the intersection.

2,237,394

OIL WELL RIG

James F. Smith, Sandusky, Ohio, assignor to The Union Chain and Manufacturing Company, Sandusky, Ohio, a corporation of Ohio

Application February 27, 1939, Serial No. 258,784
18 Claims. (Cl. 74—227)



1. Power transmission apparatus, adapted for use under conditions wherein the relation between

the load torque on said apparatus and the input torque to said apparatus is subject to sudden changes, comprising: rotatable driving wheel means; rotatable driven wheel means, including a first portion rotatable in unison with a driven shaft, and including a rotatable second portion, and including means for interconnecting said portions, so constructed and arranged that said portions have a non-power transmitting position with respect to each other and are relatively rotatable to a limited extent away from said position; power transmitting band means, about said driving wheel means and said second portion of said driven wheel means, so constructed and arranged that rotation of said driving wheel means is adapted to cause rotation of said driven wheel means; slack take-up means, including means engaging said band means between said two wheel means, and means biasing said engaging means in a direction to take up slack in said band means; and said means for interconnecting said portions comprising energy storing means so constructed and arranged that upon relative rotative movement of said first and second portions away from said position energy is so stored that said portions are adapted to be returned to said position by reason of release of said energy.

2,237,395

GUN SIGHT

Ralph M. Sweet, Salida, Colo.

Application September 12, 1939, Serial No. 294,530
4 Claims. (Cl. 33—50)



1. A gun sighting apparatus comprising an elongated tube provided on its interior with sighting elements, means for supporting the forward end of said tube upon the barrel of a gun in such a manner as to provide for the tilting of the tube in a vertical plane and the adjustment of the tube in a horizontal direction transversely of the gun, and means for supporting the rear end of the tube upon the gun, said last mentioned means comprising a base plate adapted to be fixed upon the gun barrel, two laterally spaced upwardly extending screw rods carried by said base, a transversely extending bar mounted to move up and down upon said rods, a clip encircling said tube, a set screw extending through said bar and into the clip, and upper and lower adjusting nuts mounted on said screw rods above and below and in contact with said bar near the ends thereof whereby said bar may be adjusted vertically and held securely in vertically adjusted positions on said screw rods to raise and lower the rear end of the sight tube and support it rigidly in its vertically adjusted position.

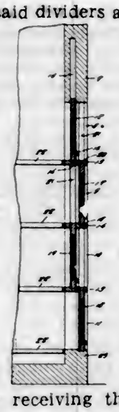
2,237,396

CLOSURE

Peter Vassallo, Avalon, N. J.

Application January 13, 1940, Serial No. 313,795
2 Claims. (Cl. 312—147)

1. In a cabinet, an enclosure having a plurality of vertically arranged and closely spaced openings in one wall thereof, shelves in the enclosure vertically spaced and each being on a horizontal plane with the portion of said wall between two openings, said portions between the openings defining dividers, closures vertically slidable in the openings, each of said dividers having a slot therein through which an underlying closure can be moved, each of said dividers also being formed



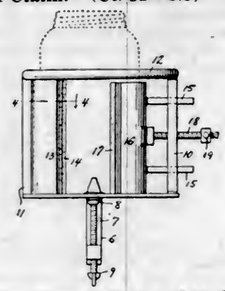
with a groove for receiving the overlying closure edge.

2,237,397

JAR HOLDER

Koloman Vida, Flint, Mich.

Application April 2, 1940, Serial No. 327,536
1 Claim. (Cl. 81—3.3)



A jar holder comprising a flat base plate, means for securing the plate in a horizontal position on a support to permit a jar to rest thereon in an upright position, opposed vertically arranged spaced posts formed on the plate with the jar therebetween, an annular member encircling the jar and rigidly secured to the upper ends of the posts, an arcuately curved clamping plate rigidly fixed on one of said posts and the plate and the annular member, a second arcuately curved clamping plate of a size substantially equal to the size of the first clamping plate and opposing the latter and coacting therewith in gripping the jar at opposite sides thereof, one of said posts having guide openings and a screw threaded opening, a feed stem threaded in the screw threaded opening and rotatably secured to the second clamping plate, and guide members formed on the second clamping plate and slidable in the guide openings.

2,237,398

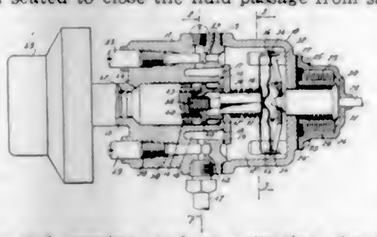
REGULATOR

Benson F. Waddell, Newark, N. J., assignor to The Wilcolator Company, Newark, N. J., a corporation of Delaware

Original application June 23, 1938, Serial No. 215,347. Divided and this application June 30, 1939, Serial No. 282,151
12 Claims. (Cl. 236—99)

1. In a valve, a housing having a chamber

therein, a recess in a wall of the chamber, and a fluid passage terminating in a valve seat adjacent the recess, a valve member coacting with the seat and having an opening therein overlying the recess, the valve member being operable when seated to close the fluid passage from said



recess and opening, and an actuating element for moving the valve member relative to the seat, said element extending through said opening and being movable through the valve member into the recess when the valve member is seated.

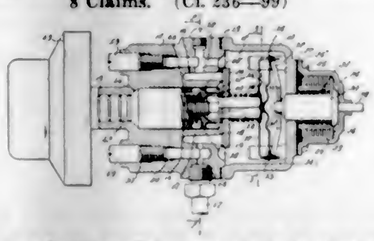
2,237,399

REGULATOR

Benson F. Waddell, Newark, N. J., assignor to The Wilcolator Company, Newark, N. J., a corporation of Delaware

Original application June 23, 1938, Serial No. 215,347. Divided and this application June 30, 1939, Serial No. 282,152

8 Claims. (Cl. 236—99)



1. In a fluid regulator comprising a valve seat, a valve member coacting therewith, and a thermo-responsive element for actuating the valve member, the combination of a bracket engaging said element and removable therefrom, a bimetallic compensator held at its ends on the bracket and operable to flex intermediate its ends in response to ambient temperature changes, a stem engaged at one end with the intermediate portion of the compensator and operatively connected to the valve member, and a flexible retainer for securing the compensator and the stem in position on the bracket, the compensator being operable to flex the retainer and adjust the position of the stem relative to the bracket.

2,237,400

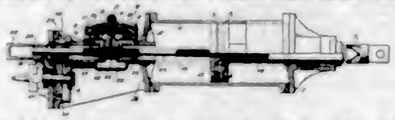
POWER REVERSE GEAR

Edgar Washburn, Baltimore, Md., assignor to Franklin Railway Supply Company, New York, N. Y., a corporation of Delaware

Application November 30, 1938, Serial No. 243,062

11 Claims. (Cl. 121—41)

1. A fluid pressure actuated power reverse gear servo-motor having a cylinder, a piston, a valve for controlling the fluid pressure supply and exhaust ports, an operating shaft having threaded relationship with the piston and oppositely threaded relationship with the valve, and means for rotating said shaft to move said valve to open a supply port, said valve and said shaft being



adapted to move longitudinally with the piston to effect closure of said supply port upon cessation of shaft rotation.

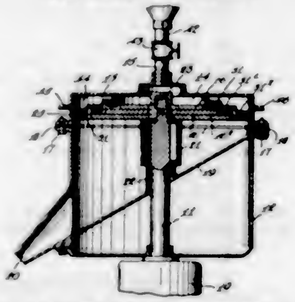
2,237,401

DISINTEGRATOR

Charles T. Asbury, Elkins Park, Pa.

Application August 6, 1938, Serial No. 223,481

13 Claims. (Cl. 83—7)



1. In a rotary disintegrator, a casing, a rotary shaft therein adapted to turn at high speed, a rotary disintegrator disc carried by said shaft, teeth located at the perimeter of the disc, open at the end and having their face surfaces sloping outwardly and rearwardly as respects the direction of rotation and having a circumferential groove in an end face of the disc in the portion occupied by the teeth, a continuous fixed annular baffle above about the teeth, extending into the annular groove and a continuous fixed roughened annular surface within the casing about the disc and adapted to receive the discharge from the disc.

2,237,402

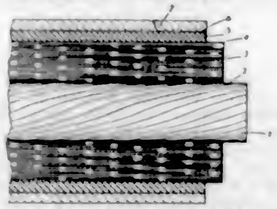
ELECTRIC CABLE AND JOINT THEREFOR

Charles James Beaver, Bowdon, and Edward Leslie Davey, Timperley, England, assignors to W. T. Glover & Company Limited, Manchester, England, a British company

Application April 7, 1939, Serial No. 266,698

In Great Britain April 23, 1938

12 Claims. (Cl. 174—25)



1. An insulated conductor, in which the dielectric comprises layers of permanently impregnated paper, gas at atmospheric pressure or higher filling the interstices between the turns and layers of paper and means for positively spacing the

paper layers radially, said means providing that the thickness (*b*) of gas layers between adjacent layers of paper is about 10–20% of the thickness (*t*) of one of said layers of paper.

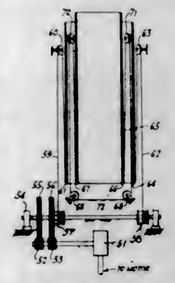
2,237,403

TELEVISION CAMERA DOLLY

Alda V. Bedford, Collingswood, and Knut J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application November 5, 1936, Serial No. 109,390

5 Claims. (Cl. 254—148)



3. In a supporting pedestal wherein the object to be supported is secured to a supporting member carried upon the pedestal, a pedestal frame having a tubular receptacle therein, a tubular member mounted in said receptacle and guided thereby, a second tubular member mounted in said first tubular member and guided thereby, a plurality of windlasses, a plurality of cable sections joined to said first tubular member and adapted to be wound on said windlasses for raising and lowering said first tubular member with respect to the base of the pedestal, means for rotating said windlasses comprising a pair of gears in driven relationship fixedly related to each other and slidably mounted axially, a pair of driving gears, means for controlling the direction of rotation of said driving gears, and a pair of cable sections joining said first tubular member to said second tubular member to raise and lower the tubular members with respect to each other.

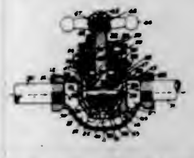
2,237,404

SILENCING STOP

Robert C. Boyd, Louisville, Ky., assignor to American Radiator & Standard Sanitary Corporation, a corporation of Delaware

Application February 14, 1939, Serial No. 256,263

6 Claims. (Cl. 251—159)



1. A silencing stop comprising a bowl-shaped body having a central cylindrical chamber the lower end of which terminates in a beveled annular metallic surface spaced from the bottom of the body and communicating therewith and the upper end of which terminates in an interiorly threaded portion, the said cylindrical chamber being provided with a slot on one side thereof communicating with an outlet portion and having an inlet portion which communicates with a central aperture in the beveled metallic surface via an arcuate connecting passage, a valve assembly in said cylindrical chamber and having threaded engagement with the interiorly threaded portion aforesaid, the valve assembly having a grooved frusto-conical lower end provided with a flexible non-metallic washer-like member, and means to vary the distance between the flexible member and the beveled metallic surface for flow control and quieting purposes.

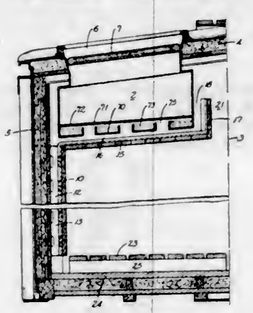
2,237,405

TOP BUNKER REFRIGERATOR CAR

Charles D. Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware

Original application November 22, 1937, Serial No. 175,762. Divided and this application January 11, 1939, Serial No. 250,403

10 Claims. (Cl. 62—17)



1. In a refrigerator car comprising a wall having a vertical flue associated therewith, a liquid refrigerant container and a drip pan positioned below and spaced from said container which drains liquid refrigerant from said container into said vertical flue and also forms a duct for circulation of air from under the refrigerant container to said flue, the bottom of said container comprising metallic plates in spaced substantially horizontal planes, each of said plates being provided with apertures which do not register with the apertures in the other plate.

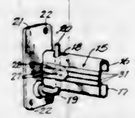
2,237,406

CURTAIN ROD

James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois

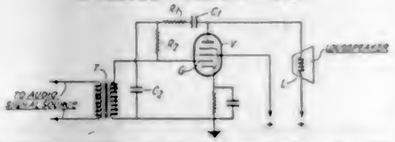
Application April 17, 1940, Serial No. 330,009

4 Claims. (Cl. 156—22)



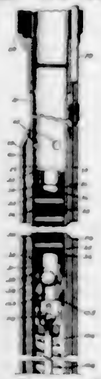
1. A flat curtain rod formed with an elbow end portion and with rearwardly and inwardly turned top and bottom edges, and having registering openings in the top and bottom edges of said end portion adapted to engage with pins of different formations on a rod-supporting bracket.

2,237,407
AUDIO FEEDBACK CIRCUIT
Lothar Brück, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 21, 1939, Serial No. 252,129
In Germany February 17, 1938
2 Claims. (Cl. 179—171)



2. In an audio voltage transmission circuit, an amplifier tube having at least a control grid, a cathode and a plate, an audio voltage input circuit connected between the grid and cathode, an output circuit coupled to the plate, an audio voltage feedback path, including a condenser and a pair of resistors in series relation, connected between the plate and grid, and a condenser element connected between the junction of the resistors and the cathode side of the input circuit.

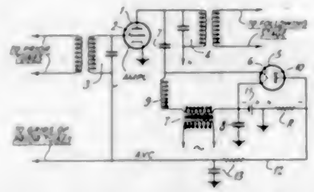
2,237,408
WELL PUMPING APPARATUS
Everett K. Burgher, Manhattan Beach, Calif.
Application November 18, 1938, Serial No. 241,207
14 Claims. (Cl. 103—52)



1. In a well pump, the combination of: a casing; a lift tube therein having an inlet spaced above the lower end thereof for the admission of well fluids; a lift piston freely movable in said tube; means to support said piston at rest below said inlet for a period to permit liquid accumulation in the tube above the piston; and means responsive to the pressure rise of said accumulated liquid to introduce pressure fluid under the stationary piston to force the piston upward to deliver said accumulated liquid to the surface of the well, said means being adapted to cut off said introduction of pressure fluid in the tube when the flow of the pressure fluid through said means attains a predetermined velocity.

2,237,409
AUTOMATIC VOLUME CONTROL CIRCUIT
Don G. Burnside, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 18, 1939, Serial No. 268,465
8 Claims. (Cl. 179—171)

6. In an alternating current transmission system, an electron discharge device provided with at least an electron emission element and an additional electrode, said emission element having a normal electron emission, means deriving a unidirectional voltage from space current flow or

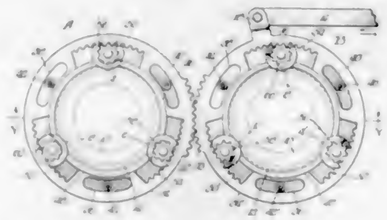


said device, means responsive to said voltage for controlling transmission of current through said system, and means applying alternating current transmitted through said system to said emission element for varying said normal emission.

2,237,410
PREGNANOLONES AND METHOD FOR PRODUCING THE SAME FROM PREGNANDIONES
Adolf Butenandt, Berlin-Dahlem, Germany, assignor, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Original application December 24, 1934, Serial No. 759,115. Divided and this application April 10, 1939, Serial No. 267,181. In Germany December 23, 1933
7 Claims. (Cl. 260—397)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. The method of producing pregnanolones which comprises partially reducing a pregnandione to convert one of the keto groups to an alcoholic group, and isolating the hydroxy ketone so obtained.

2,237,411
CUP DISPENSER
John W. Carlson, Chicago, Ill., assignor to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application June 18, 1938, Serial No. 214,432
12 Claims. (Cl. 312—44)



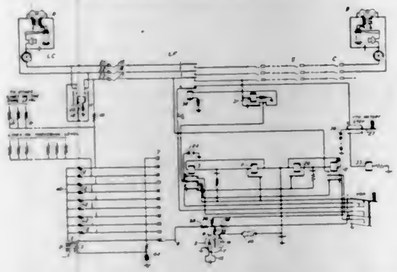
1. A multiple dispenser for stacks of articles comprising, in combination, a plurality of guideways for said articles, dispensing devices supported by each of said guideways, operating means for said dispensing devices supported by each of said guideways, and means comprising gear teeth connecting said operating means and adapted to impart any movement of one of said operating means to a connected operating means.

2,237,412
FISHING TACKLE
Wallace Hume Carothers, deceased, late of Wilmington, Del., by Wilmington Trust Company, executor, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application April 9, 1940, Serial No. 328,792
4 Claims. (Cl. 43—31)



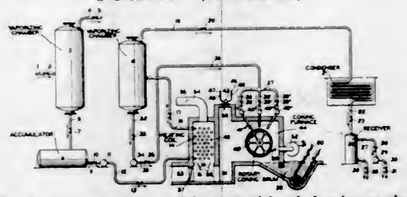
1. A fishing leader and means for maintaining said leader in a coiled condition, said leader having a cross-section throughout its length of a diameter within the range .003 to .06 inch, being in coiled form of not less than one inch average coil diameter, and consisting essentially of synthetic linear polyamide; said leader being adapted after removal of said means to uncoil on being fly-cast, and remain in an uncoiled condition upon completion of the fly-casting operation, without prior soaking treatment.

2,237,413
TELEPHONE SYSTEM
John W. Clark, Urbana, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 4, 1939, Serial No. 265,881
6 Claims. (Cl. 179—18)



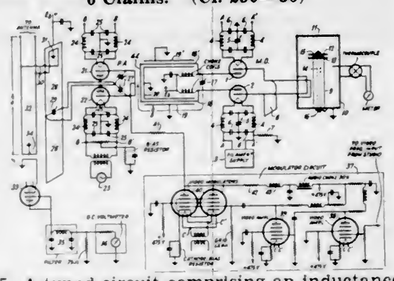
1. In a telephone system, a line-finder switch having a number of fixed terminals divided into groups, a separate terminal for each group, a line appearing on each of said fixed terminals, a test brush for engaging said terminals, a thermionic device for controlling the movement of said brush, and a resistance network for said lines comprising a line resistance connected to each line terminal, a group resistance connected to each group terminal and common to the line resistances of the associated group and to all other group resistances, a source of positive potential connected to said group resistances, a source of negative potential, and means responsive to one of said lines initiating a call for combining said two sources of potential to produce a negative potential on the group terminal of the group containing the calling line and on the terminal of said line, whereby upon the connection of said brush with said group terminal and with said line terminal, respectively and successively, said thermionic device responds to stop said brush on each of said terminals.

2,237,414
PROCESS AND APPARATUS FOR COKING HYDROCARBON OILS
Roland B. Day, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 19, 1934, Serial No. 726,495
Renewed May 4, 1940
4 Claims. (Cl. 202—5)



2. A process for coking residual hydrocarbon oils which comprises heating the residual oil to a temperature of at least 700° F. while flowing in a restricted stream through a heating zone, introducing the heated oil to a vaporizing zone and therein vaporizing a substantial portion thereof whereby to reduce the oil to a heavy viscous residue, discharging the latter onto the exterior surface of a cylinder rotating within a coking zone, applying a coking heat to the residue on the rotating cylinder, and removing the resultant coke from the cylinder, said coking heat being transmitted, at least in part, to the residue on said cylinder by direct radiation from flame generated within the coking zone.

2,237,415
ULTRA HIGH FREQUENCY TRANSMITTER
Orville E. Dow and Nils E. Lindenblad, Port Jefferson, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Original application May 6, 1936, Serial No. 78,124, now Patent No. 2,174,154, dated September 26, 1939. Divided and this application April 29, 1939, Serial No. 270,891
6 Claims. (Cl. 250—36)

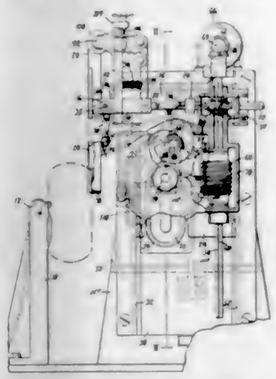


5. A tuned circuit comprising an inductance in the form of a loop having uniformly distributed constants and a capacitor at the terminals of said loop, a utilization circuit coupled to said tuned circuit by means of a conductor in the magnetic field of a portion of said loop, and means for shielding the greater part of the remaining portion of said loop.

2,237,416
CUTTING MACHINE
David Edgar, Lynn, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts
Application January 23, 1939, Serial No. 252,365
18 Claims. (Cl. 149—17)

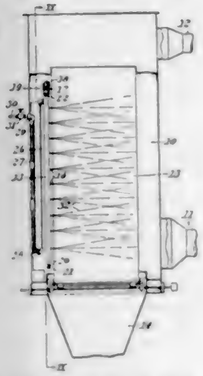
1. In a machine for cutting a slice from the surface of a relatively pliable and foldable work

piece, a member having a vertically arranged surface for backing a work piece, a disk cutter rotatable in a plane substantially parallel to said backing surface, means for causing downward movement of the rotary disk cutter in predetermined spaced relation to the backing member to effect a cutting operation on the work piece,



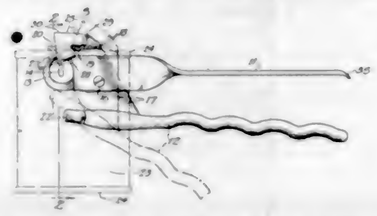
means for predetermining the thickness to which the work piece is to be uniformly reduced by the cutting operation, and a combined work spreader and guard concentric with all of that portion of the disk cutter edge facing in the downward direction and movable with the cutter to guard said edge and to spread out the work piece in advance of the downwardly moving cutter.

2,237,417
METHOD OF REMOVING DEPOSITS FROM FILTERS
George M. Croft, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 8, 1938, Serial No. 228,958
5 Claims. (Cl. 183—52)



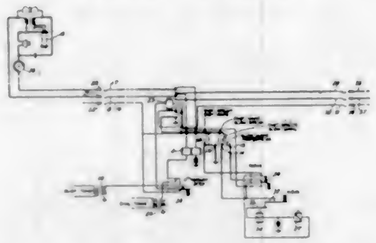
1. In a method of removing from a filter fine particles of a compound subject to hydration, the steps including supplying water vapor in the neighborhood of said filter in an amount sufficient to hydrate said dust and thereby convert it into a crust which will flake readily from the filter.

2,237,418
CAN OPENER
Ferdinand E. Fender, Evanston, and Carl I. Wille, Chicago, Ill., assignors to Vaughan Novelty Mfg. Co. Inc., Chicago, Ill., a corporation of Illinois
Application January 17, 1939, Serial No. 251,378
7 Claims. (Cl. 30—15)



1. A can opener of the pincer-type comprising a pair of pivoted handles, a resilient inverted U-shaped blade member affixed to one handle, an abutment flange also supported by the same handle, a traction wheel journaled in the other handle, the flange and wheel being located between sides of the U-blade to grip the bead of a can therebetween and means to rotate the traction wheel.

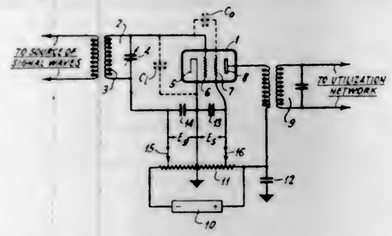
2,237,419
TELEPHONE SYSTEM
Enoch B. Ferrell, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1939, Serial No. 302,521
10 Claims. (Cl. 179—18)



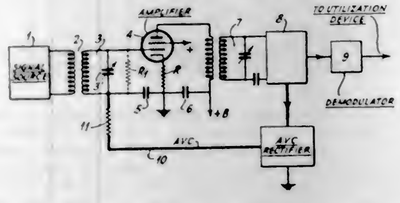
1. In a selector switch having vertical and rotary stepping mechanisms, a cut-through relay and circuits therefor, a single control relay, said control relay having a contact element fast to operate and fast to release, contact elements fast to operate and slow to release and a contact element slow to operate and fast to release for controlling the circuits of said mechanisms and of said cut-through relay.

2,237,420
AMPLIFIER GAIN CONTROL CIRCUIT
Warren R. Ferris, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 4, 1938, Serial No. 211,724
6 Claims. (Cl. 179—171)

1. A method of controlling the gain of an alternating current amplifier of the type including a tube provided with at least a cathode, a control grid and a positive electrode, the method including the steps of varying the direct current voltage of the positive electrode, varying the voltage of the control grid in a sense such that the ratio of the positive electrode voltage to effective grid bias voltage is substantially constant whereby the capacity between control grid and cathode is constant.



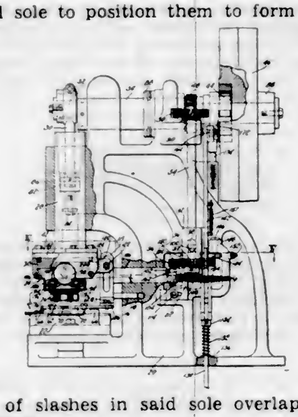
2,237,421
AUTOMATIC VOLUME CONTROL
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 3, 1938, Serial No. 228,290
6 Claims. (Cl. 179—171)



1. In a signal receiving system of the type employing a tube provided with a tuned input circuit, means impressing high frequency signals upon said tuned input circuit, an unby-passed resistor in the space current path of said tube for developing signal voltage thereacross which is in degenerative phase with the signal voltage impressed on the tuned input circuit, means impressing the degenerative voltage upon the tube input electrodes thereby to provide directly in shunt with the tuned circuit a substantially high magnitude of input resistance effect due to said tube, means responsive to an increase in signal amplitude for simultaneously decreasing the gain of the tube and the magnitude of said shunt input resistance effect, and said resistor having a magnitude such that said resistance effect is substantially a maximum at substantially maximum gain of said tube.

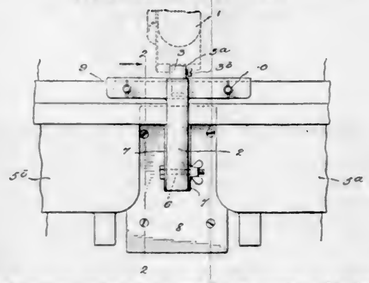
2,237,422
MACHINE FOR OPERATING ON SHOE PARTS
James P. Fredericksen, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 13, 1939, Serial No. 278,892
26 Claims. (Cl. 12—40)

1. In a machine for slashing soles, a support for a sole, a gang of knives, means for reciprocating said knives to cause them to make a group of slashes in a sole in said support, means for imparting to said knives movement lengthwise of said sole to position them to form a second



group of slashes in said sole overlapping said first group.

2,237,423
MOUNTING FOR A DOMESTIC WASH WRINGER
Arthur Henry Freeman, London, England, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application January 21, 1939, Serial No. 252,136
In Great Britain March 9, 1938
5 Claims. (Cl. 68—239)

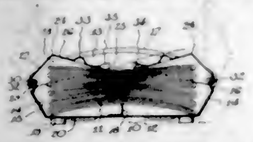


3. A mounting for a wash wringer adapted to be used in combination with a sink or the like comprising a bracket adapted to be secured below a sink or the like; a wringer supporting member having a relatively long arm adapted to be secured to a wash wringer, a relatively short arm generally parallel to said long arm, and a connecting arm between said long and short arms; and means pivotally securing said short arm to said bracket, whereby a wringer secured to said long arm may be swung from an operative position above the sink or the like to a storage position below the same.

2,237,424
SHEET DISPENSER
Samuel N. Hope, Wauwatosa, Wis., assignor to Griffith-Hope Company, West Allis, Wis., a corporation of Wisconsin
Application June 2, 1939, Serial No. 276,960
6 Claims. (Cl. 312—62)

1. A sheet dispenser comprising a casing adapted to contain a pack of interfolded sheets and having opposite end walls with inwardly directed embossments adjacent to the opposite sides of the casing, a pair of cover members extending between said casing end walls and hav-

ing end walls with outwardly directed embossments adapted to register with said casing embossments, pivot means for connecting the corresponding embossments of the casing and cover members, the free edge portions of said cover



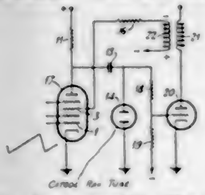
members forming between them a dispensing slot for the sheets and bearing on said pack, and a coiled spring for each cover member for urging said cover member against said pack, said spring surrounding a cooperating pair of the embossments on said casing and cover member.

2,237,425

SAW-TOOTH WAVE GENERATOR

Max Geiger and Rudolf Urtel, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 15, 1938, Serial No. 213,879
In Germany June 15, 1937
2 Claims. (Cl. 250—36)



2. Apparatus for correcting the non-rectilinearity of a saw-tooth wave comprising a multigrid vacuum tube having anode, cathode and at least two grid electrodes, circuit means for biasing the anode of said tube positively with respect to the cathode, resistive means connected in series in said circuit means, an electrostatic storage means connected between the anode and cathode of said tube whereby said storage means is charged through said resistance, voltage dividing resistance means connected across said electrostatic storage means, a second vacuum tube having anode, cathode and at least one control electrode, means for impressing at least a portion of the potential impressed on said voltage dividing means between the cathode and control electrode of said second tube, an inductive member connected between the anode and cathode of said second tube, a second inductive member coupled to the first inductive member, means for connecting the second inductive member between a grid and the cathode of said first tube, and means for impressing a saw-tooth wave which may be non-rectilinear between the cathode and another control electrode of said first vacuum tube.

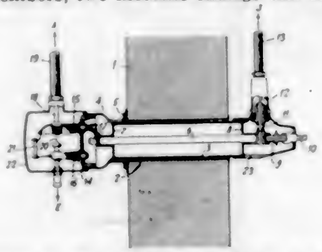
2,237,426

ANTENNA SWITCH

Franz Grassnick, Fritz Kannwitz, and Willi Tiebe, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 21, 1939, Serial No. 263,218
In Germany March 22, 1938
14 Claims. (Cl. 250—33)

1. An antenna switch comprising a metallic tube, two ceramic disc members one of which is located at each end of said tube, a rotatable metallic shaft passing through the center of said disc members, two metallic casings one of which



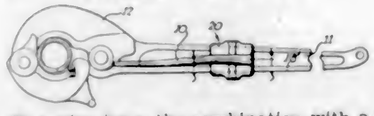
is located at each end of said tube, and switch contact means within each of said casings for selectively connecting an antenna to a radio transmitter or ground when said shaft is rotated.

2,237,427

PIPE TONG SUPPORT

Herbert E. Grau, Pasadena, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application July 1, 1940, Serial No. 343,451
8 Claims. (Cl. 255—35)



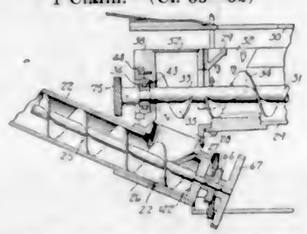
1. In a pipe tong, the combination with a tong head and a lever extending laterally therefrom, of supporting means comprising a socket member adapted to encircle said lever, a rigid supporting arm extending upwardly from said socket member and having means at its free end for connection with suspension means, said socket member being adjustable longitudinally of said lever and including means for rigidly securing said socket member to said lever in any adjusted position.

2,237,428

STOKER

William Thompson Hanna, Cincinnati, Ohio

Refiled for abandoned application Serial No. 141,894, May 11, 1937. This application November 17, 1939, Serial No. 304,917
1 Claim. (Cl. 83—52)



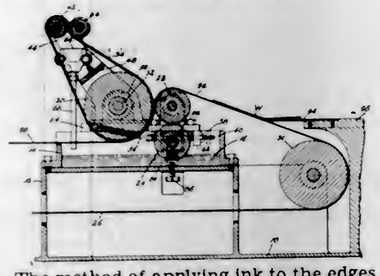
In a locomotive stoker for crushing coal and for transferring the crushed coal from a tender to the firebox of a locomotive, in combination, a hopper located beneath the coal bin of the tender and at its forward end having a downwardly opening delivery opening, a rotary screw conveyor in said hopper to move fuel forwardly therein to said delivery opening, said screw conveyor comprising a helical vane on a hub and said vane terminating adjacent the rear edge of said delivery opening, a stationary crushing member disposed in said hopper in cooperative crushing relation with said screw conveyor and rearward of said delivery opening and with its forward terminus coinciding substantially with that of said screw conveyor to crush coal being moved by said screw, and a second rotatable helical vane on said hub pitched in reverse direction to that of said first mentioned vane and extending substantially across said delivery opening, said second vane serving to loosen the coal after crushing and to sweep it freely into the delivery opening in a loosened condition whereby flow of coal past the crusher is not retarded by congestion in the vicinity of the delivery opening.

2,237,429

INKING EDGES OF SHOE PARTS

Valentine F. Harrington, Newton, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts

Application December 5, 1938, Serial No 243,943
14 Claims. (Cl. 91—18)



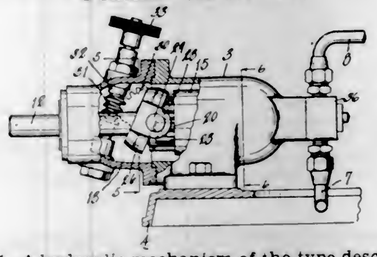
1. The method of applying ink to the edges of a shoe part which consists in pushing one side of the shoe part into the nap of a piece of suede-like material, and applying sufficient ink to the other side of the shoe part to cause the ink to overflow and coat the exposed edges, the first-mentioned side being protected from the ink by the suede-like material.

2,237,430

MOTOR AND PUMP TRANSMISSION

Eugene Higgins, Jackson, Mich.

Application July 7, 1939, Serial No. 283,146
4 Claims. (Cl. 103—162)



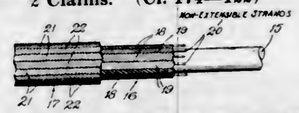
1. A hydraulic mechanism of the type described comprising a housing, a shaft journaled in the housing, and a barrel connected to the shaft thereof for rotation therewith, a cam mechanism comprising a relatively fixed surface surrounding the shaft and disposed at an angle thereto, said mechanism being rotatably journaled on an axis intersecting the shaft axis for adjustment of the inclination of said surface, said barrel having a plurality of cylinders disposed axially therein in spaced relation to the axis thereof, a plunger for each of said cylinders in operative thrust engagement with said surface, means for maintaining the operative engagement of the plungers with said surface comprising a plurality of guide pins one for each plunger, and means for coupling said pins with the plungers in fixed axial relation thereto for movement therewith as a unit, said barrel having axial recesses slidably receiving said pins, and coil springs disposed in said recesses and acting on the ends of the pins, a member in said housing having intake and discharge passages, said barrel being rotatable relative to said member and said cylinders communicating with said passages as the barrel rotates relative to the member.

2,237,431

FIBROUS JACKET FOR INSULATED CONDUCTORS

Anthony P. Hinsky, Brooklyn, N. Y., assignor to Pyro Products Corporation, Brooklyn, N. Y., a corporation of New York

Application June 9, 1939, Serial No 278,223
2 Claims. (Cl. 174—122)



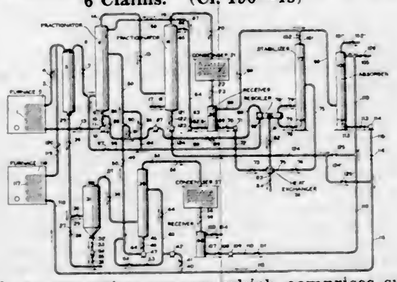
1. In insulated conductors, a non-extensible fibrous insulating body arranged directly upon a conductor member, said body including an inner sheath comprising a braid of fabric strands, a plurality of non-extensible fibrous strands arranged within the braid of said sheath and extending longitudinally of the conductor at circumferentially spaced intervals, said body further including an outer sheath comprising a braid of fabric strands, the braid of said outer sheath having normally extensible properties, and the strands of said outer sheath being in close and interfitting engagement with the strands of said non-extensible inner sheath, whereby the extensible properties of said outer sheath are checked.

2,237,432

CONVERSION OF HYDROCARBON OILS

Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application March 21, 1938, Serial No. 197,090
6 Claims. (Cl. 196—48)



6. A conversion process which comprises subjecting hydrocarbon oil heavier than gasoline to cracking conditions of temperature and pressure in a heating coil and separating the same into vaporous and liquid conversion products in an

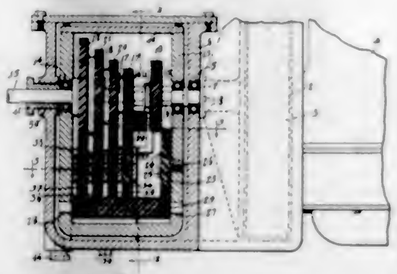
enlarged chamber, removing the vaporous products and recovering therefrom a gasoline distillate and normally incondensible gases formed by the cracking, separately removing unvaporized oil from the chamber and flash distilling the same by pressure reduction, fractionating resultant flashed vapors in contact with crude petroleum, thereby vaporizing the low anti-knock gasoline fractions of the crude, condensing the uncondensed vapors from the fractionating step to form a condensate containing the low anti-knock gasoline fractions of the crude, supplying to said heating coil liquid products of said fractionating step comprising portions of the crude and of the flashed vapors heavier than gasoline, scrubbing cracked normally incondensible gases separated as aforesaid with at least a portion of said condensate to absorb in the latter polymerizable olefinic components of the gases, subjecting the thus enriched condensate to reforming conditions of temperature and pressure in a second heating coil and discharging the resultant products into said chamber.

2,237,433

AUTOMATIC TRANSMISSION

Robert Hofmann, Jr., Culver City, Calif.

Application March 8, 1939, Serial No. 260,579
11 Claims. (Cl. 74—337)



1. In a transmission, a drive member, a driven member, torque means mounted on said drive and said driven members, a gear carried by said torque means and driven by said drive member, a series of gear trains connected with said driven member, said torque means being adapted to selectively engage said gear with any of said series of gear trains in response to varying resistance upon said driven member.

2,237,434

HEAT TREATMENT BATH

Artemas F. Holden and Haig Solakian, New Haven, Conn.; said Solakian assignor to said Holden

No Drawing. Application November 30, 1937, Serial No. 177,230
13 Claims. (Cl. 148—27)

1. A series of fused salt baths for steel treatment comprising a preheating salt bath, a high temperature salt bath and a quenching salt bath, the preheating bath consisting chiefly of alkali metal chlorides volatile at the temperature of the high temperature bath so that preheating salts adhering to the steel when it is immersed in the high temperature bath are removed by volatilization, the high temperature bath consisting chiefly of a silicate and a fluoride, the quenching bath comprising a predominate amount of an alkali metal carbonate to aid in the removal from the steel of any high temperature salts adhering thereto.

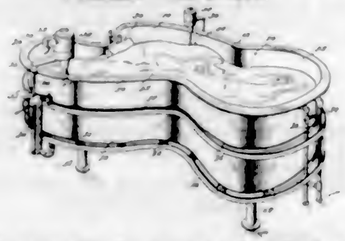
4. A high temperature fused bath for heat treatment of high speed steels comprising a fused mass of silica sand, an earth metal fluoride, an earth metal oxide, an alkali metal carbonate, and an alkali metal fluoride, the proportions of the materials being substantially as specified.

2,237,435

THERAPEUTIC BATH APPARATUS

Floyd W. Ille, New York, N. Y.

Application December 12, 1940, Serial No. 369,903
7 Claims. (Cl. 4—180)



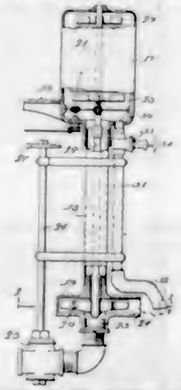
1. In apparatus for purposes described, a bath receptacle having convoluted walls, track means following the contours of the walls, a travelling carriage thereon, and means carried thereby in the tank for projecting a stream of water adjacent the wall of the tank toward its inner part.

2,237,436

WATER AND AIR PROJECTING DEVICE

Floyd W. Ille, New York, N. Y.

Application December 12, 1940, Serial No. 369,904
9 Claims. (Cl. 4—180)



1. A therapeutic bath device consisting of a centrifugal pump device having an impeller and a case having an outlet nozzle, and a forced air supply means including a duct having a mouth terminating immediately before the nozzle.

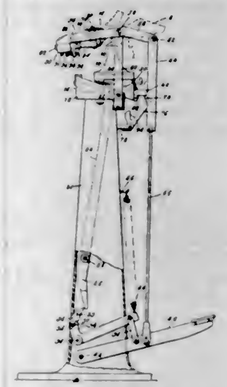
2,237,437

MACHINE FOR SEPARATING SHOES FROM LASTS

Adrien L. Jalbert, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application November 24, 1939, Serial No. 305,943
14 Claims. (Cl. 12—15.1)

1. A machine for separating shoes from lasts, comprising an upstanding last pin for supporting in inverted position a last with a shoe thereon, a slide upon which said last pin is mounted, a shoe separating tool engageable with the rear portion of a shoe upper, a guideway in which said slide is movable to bring the rear portion



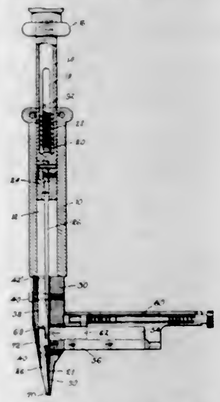
of the upper of the shoe on the last into engagement with said shoe separating tool, means for thus moving said slide, and means for effecting relative movement between said slide and said tool to cause the tool to raise the heel portion of the shoe from the last.

2,237,438

FASTENING INSERTING MACHINE

Cyril Harry James, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 8, 1938, Serial No. 212,535
In Great Britain June 26, 1937
4 Claims. (Cl. 1—49)



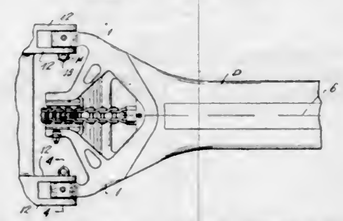
1. A stapling machine having, in combination, a nozzle having a driving passage, a driver operating therein, the end of said passage being outwardly flared to permit the outward deflection of the legs of a driven staple just prior to their entry into a work piece, and a deflector located in said passage and having flared surfaces lying adjacent the flared surfaces of the passage to form two diverging passages effecting the deflection of the staple legs when driven through said diverging passages, said deflector having a cam surface arranged to contact with the bar of the staple as it leaves the nozzle whereby the deflector will be displaced to permit passage of the bar.

2,237,439

SHOVEL CRANE BOOM

Daniel C. Jones, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application March 2, 1940, Serial No. 321,966
1 Claim. (Cl. 212—70)



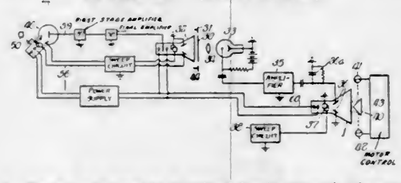
In apparatus of the class described, a support, a rigid and unitary boom element having a pair of supporting arms at the base thereof, each of said supporting arms being provided with openings having pivot blocks mounted therein and rubber pads insulating the top and bottom sides of said pivot blocks from said supporting arms, and means connecting said boom element to said swing body for pivotal raising and lowering movement with respect thereto comprising pivot pins rigidly secured to said swing body and journaled in said pivot blocks, said rubber pads being effective to absorb torsional forces tending to rotate said boom element about a longitudinal axis located substantially at right angles to its axis of pivotal movement by permitting and resiliently resisting turning movement of said boom with respect to said pivot blocks and said swing body.

2,237,440

AUTOMATIC CONTROL INSTRUMENT

Herbert E. Jones, Colorado Springs, Colo., assignor to Kansas City Testing Laboratory, Kansas City, Mo., a corporation of Missouri

Application February 28, 1938, Serial No. 193,215
12 Claims. (Cl. 172—282)

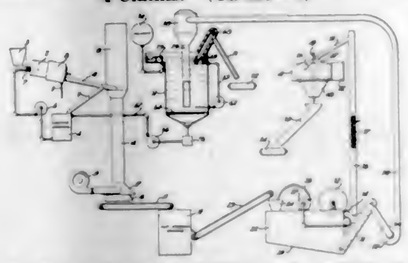


1. In an automatc control instrument, the combination of, a cathode ray receiving tube, a reflecting prism associated with said receiving tube located in such a manner that the light produced by the bombardment of the cathode ray on a fluorescent screen in said tube is reflected from said prism, photo-electric cells adapted to receive light reflected from said prism and a direct current motor having a plurality of armatures electrically connected to said cells and opposed to each other such that when the currents from said cells are equal the torque in each of said armatures is equal and there is no motion in the rotor of the motor.

2,237,441
VISCOSITY-LOWERING PRODUCT AND THE PROCESS OF MAKING THE SAME
Stroud Jordan, Brooklyn, N. Y.
No Drawing. Application April 29, 1937, Serial No. 139,735
7 Claims. (Cl. 260—403)

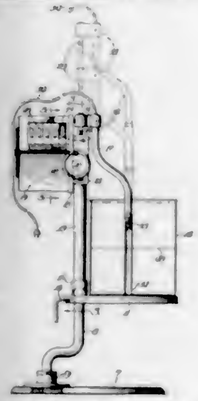
1. A fat soluble colloid comprising the condensation product of lanolin with phosphorus pentoxide wherein the major portion of the lanolin is condensed to the point of degradation or carbon formation and a phosphoric acid ester formed by esterification of a free hydroxyl radical of the lanolin.

2,237,442
METHOD OF SHELLING NUTS
Donald B. Macfarlane, Berkeley, Calif.
Application October 22, 1938, Serial No. 236,492
4 Claims. (Cl. 209—3)



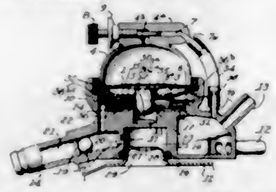
2. The method of shelling nuts, which comprises fixing a metallic material upon the shells before cracking the nuts which alters the relative responsiveness of the shells and the meats to an applied force, cracking the nuts to release the meats from the metallized shells, and then applying such force to the mixed meats and shells to effect the separation thereof by the utilization of the differential characteristics afforded by the presence of said metallic material on the shells.

2,237,443
PROPORTIONAL MIXING SCALE
Paul Marienthal, Clawson, Mich., assignor to The Sherwin-Williams Co., Cleveland, Ohio, a corporation of Ohio
Application September 19, 1940, Serial No. 357,431
10 Claims. (Cl. 33—126.7)



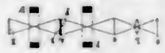
1. In a proportional mixing scale, the combination of a base, a receptacle supporting table carried by and adjustable vertically and horizontally relatively to said base, a standard carried by the table, a light transmitting element adapted to be projected into a receptacle on said table to illuminate the interior of the receptacle, means including a rack and pinion for vertically adjusting the position of said light transmitting element with respect to said receptacle, and an indicator operable coincidently with the movement of said light transmitting element, provided with a plurality of scales from which the height of the lower end of said element above the bottom of different sized receptacles may be ascertained.

2,237,444
PULSATOR
Herbert McCornack, Howey-in-the-Hills, Fla., assignor to McCornack Inventions, Inc., Howey, Fla., a corporation of Florida
Application April 23, 1937, Serial No. 138,820
6 Claims. (Cl. 31—70)



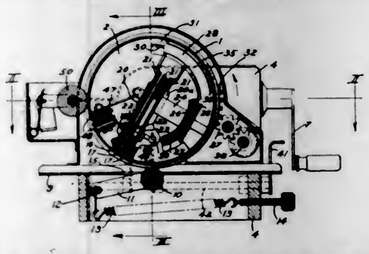
1. In a diaphragm, poppet valve pulsator, a body having a chamber with an opening, a cover for closing said opening, operating members within said chamber, and a flexible diaphragm, attached to said cover, which serves to seal the joint between said body and said cover, the assembly being so constructed that atmospheric pressure applied through said cover, aids in holding the said operating members within said chamber in working relation.

2,237,445
ELECTRON DISCHARGE DEVICE FOR USE IN TELEVISION
James Dwyer McGee, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application January 11, 1938, Serial No. 184,361
In Great Britain May 13, 1937
2 Claims. (Cl. 250—150)



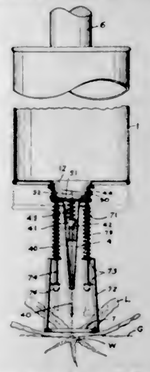
1. An optical image transforming apparatus comprising means for transforming an optical image into an electron image, a first magnetic means for focusing said electron image onto a focal plane, said magnetic focusing means producing a rotative distortion in said electron image, means positioned at said focal plane for converting the electron image into an optical image, means positioned adjacent said latter means for converting the latter formed optical image into an electron image and a plurality of additional magnetic focusing means each adapted to focus an electron image onto a definite focal plane, all of said additional magnetic focusing means having an aggregate rotative distortion characteristic substantially equal to that of the first mentioned magnetic focusing means and opposite in direction thereto.

2,237,446
POSTAGE PRINTING MACHINE
Robert Severin Nilsson, Visby, Sweden, assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn., a corporation of Delaware
Application July 22, 1939, Serial No. 285,915
In France October 12, 1938
4 Claims. (Cl. 235—101)



1. In a value printing and totalizing machine, the combination with a printing drum, a totalizer adjacent said drum including a gear drive therefor, radially adjustable teeth supported within the drum structure and projectable into the path of the totalizer gear drive, and value printing wheels having an angularly disposed axis transverse to the drum axis and supported within the drum structure; of pivotal setting levers having an axis transverse to the printing drum axis, a direct spur gear drive between the setting levers and printing wheels, cam means engaging the adjustable teeth and adjustable about the drum axis, arcuate racks associated with the cam members and movable about the drum axis, gears meshing with said racks and including tube line connections, said latter connections being rotatable about the pivotal axis of the setting levers.

2,237,447
WEED GUN
Newville F. Rea, Portland, Oreg.
Application December 4, 1939, Serial No. 307,457
12 Claims. (Cl. 47—49)



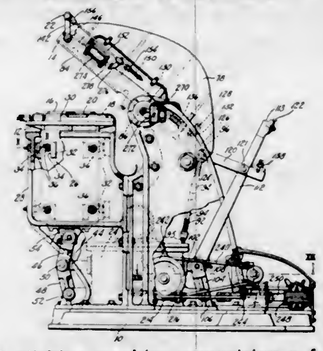
1. In a weed gun which includes a reservoir, a discharge spout, a valve controlling discharge from the reservoir through said spout, and a stem projecting downward and connected to the valve for opening thereof by movement of the stem caused by contact of the stem with the ground or the weed, guard means supported from the reservoir and engageable with the ground in advance of valve-opening contact by the stem, whereby to position the spout for discharge, the stem being thereafter movable, by shifting of the position of the reservoir, to discharge through the spout, as thus positioned.

2,237,448
OVERLOAD PROTECTION FOR DYNAMIC LOUD-SPEAKERS
Werner Reinhard, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 7, 1938, Serial No. 212,296
In Germany June 8, 1937
1 Claim. (Cl. 179—186)



In an audio reproducer system of the type comprising a source of audio currents and a moving voice coil reproducer, the improvement which comprises a resistor device operatively associated with the moving coil to absorb a fraction of the power delivered by said source, said device having a resistance dependent upon temperature in such manner that said fraction is small for temperatures below a normal value and increases increasingly rapidly for temperatures above said normal value, the resistance of said device being so chosen that at the steady normal value of audio input the temperature of the device is said normal temperature, and the thermal capacity of said device being so chosen that the temperature thereof is substantially unaffected by an abnormally high audio input of a duration which is too brief to cause the temperature of the voice coil to rise above an allowable value and which is sufficiently long to prevent impairment of the reproducer volume range.

2,237,449
CLICKING MACHINE
George F. Ryan, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 27, 1940, Serial No. 315,950
31 Claims. (Cl. 164—19)



30. A clicking machine comprising a frame, a work support mounted for movement heightwise of the frame, a presser member mounted upon the frame for movement manually toward and away from the work support, a shaft, a crank carried by the shaft, means normally operating to impart rotational movement of the shaft on its own axis and orbital movement of the shaft in the same direction and at the same angular

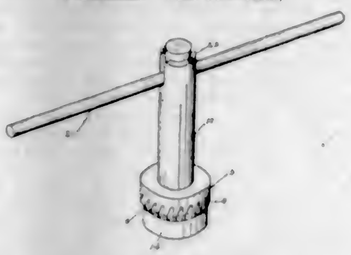
velocity about a parallel axis, said axes being spaced apart by a distance equal to the eccentricity of the crank, operating connections between the crank and the work support and between the crank and the presser member, and means operable in response to operation of the manually operable means for varying the angular velocity of the shaft in its respective movements to vary the throw of the crank thereby to effect movement of the work support and presser member toward each other.

2,237,450

COUNTERSINK

Fleck W. Sample, Forest Hills, N. Y., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois

Application November 6, 1937, Serial No. 173,124
7 Claims. (Cl. 77—73.5)



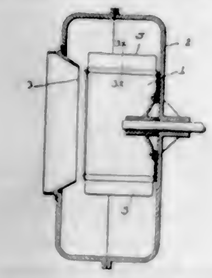
1. A countersink for forming a tapered surface at the mouth of an aperture, comprising a cutting member, a pilot member beneath said cutting member for reception in an accurate fit in the aperture to locate and guide said cutting member and a depression in the face of said pilot member in opposed relation to said cutting member for receiving and retaining the cuttings removed by said cutting member.

2,237,451

FAN CONSTRUCTION

Abe O. Samuels, Rochester, N. Y., assignor, by mesne assignments, to Seaboard Commercial Corporation, New York, N. Y., a corporation of Delaware

Application November 9, 1937, Serial No. 173,662
2 Claims. (Cl. 230—134)



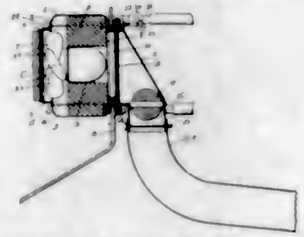
1. A fan comprising a rotor, substantially axially arranged supporting ribs carried by said rotor and uniformly and circumferentially spaced thereon, and flexible and resilient blades held erect by said supporting ribs to provide for the passage of air from the inside of the rotor to the outer edges of said blades.

2,237,452

HEATING AND VENTILATING APPARATUS FOR AUTOMOBILES

Abe O. Samuels and Marion W. Humphreys, Rochester, N. Y., assignors, by mesne assignments, to Seaboard Commercial Corporation, New York, N. Y., a corporation of Delaware

Application May 17, 1938, Serial No. 208,419
1 Claim. (Cl. 98—2)



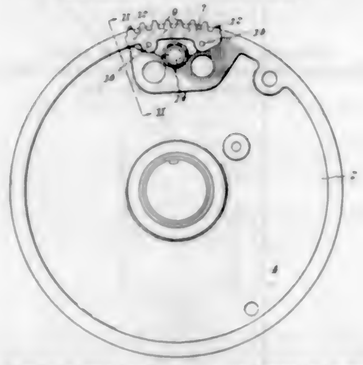
In a heating and ventilating apparatus the combination of a housing, a heat exchange device adapted to transfer heat within said housing, an air chamber in front of said heating device and having an outlet, a fan mounted to rotate in said outlet partially within said air chamber and partially without it, and angularly adjustable deflecting shields mounted in front of said housing and the exposed portion of said fan.

2,237,453

REGISTER MEANS FOR PRINTING PRESSES AND APPLICATION THEREOF

Joseph Sinkovitz, Brentwood, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania

Application May 21, 1940, Serial No. 336,396
20 Claims. (Cl. 101—286)



5. Register means for printing presses comprising a rack for application to a member of the printing couple, temporary positioning means applied to the rack for positioning the same in proper operative position on said member and means for permanently fastening the rack to said member.

17. A method of applying register means to a member of the printing couple of a printing press comprising assembling the register means with said member and positioning the register means in proper operative position with respect to said member by temporary positioning pins on the register means, fastening the register means to said member and removing said pins from positioning relationship with respect to said member.

2,237,454

IRONING BOARD SUPPORTING FIXTURE

Stephen F. Slawski, Los Angeles, Calif.

Application May 13, 1938, Serial No. 207,735
2 Claims. (Cl. 38—129)



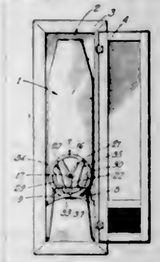
2. An ironing board supporting fixture comprising a body member, means for connecting said body member with an upright support for movement from upright position into substantially horizontal position and vice versa, an ironing board, pivot means on said body member for securing the ironing board thereto and providing for swinging of the board about a vertical axis, an inverted U-shaped brace, trunnions on the free ends of said brace adapted for pivotal connection with said upright supporting structure, the member forming the upper end of said brace being slidably engaged with the under side of said body member for movement past said pivot means, guide bars on said body member and spaced for the most part, outwardly from the plane of one side thereof to hold said upper end member of said brace in sliding connection with said body member, said upper member of said brace having an offset between its ends to afford clearance thereof with respect to said pivot means, said offset portion being disposed in the space between said bars, said bars being converged towards the inner end of said body member and having their inner ends spaced apart a distance less than the spacing of the side members of said brace from said offset portion to facilitate the insertion and removal of the brace.

2,237,455

FOLDING IRONING BOARD

Stephen F. Slawski, Culver City, Calif.

Application February 6, 1940, Serial No. 317,552
4 Claims. (Cl. 38—129)



1. An ironing board support comprising a body portion adapted to support an ironing board, leg members on said body portion to permit mounting said body portion for swinging the board into and out of a compartment, a pivot on an intermediate portion of said body portion for pivotally supporting the board for angular movement in a horizontal plane, spaced ribs underneath said body portion and extending rearwardly from the front of said body portion and forming a brace slot extending across said pivot, said body member having portions thereof spaced apart and forming a clamp slot in back of said pivot concentric therewith, the inner ends of said ribs reinforcing one of said portions defining said clamp slot.

2,237,456

HIGHWAY REFLECTOR MOUNTING

Harry Jackson Stambaugh, Jr., Hamilton, Ontario, Canada, assignor to Burlington Steel Company, Limited, Hamilton, Ontario, Canada, a corporation of Ontario, Canada

Application March 15, 1939, Serial No. 261,989
4 Claims. (Cl. 88—78)



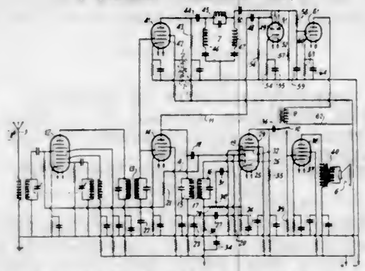
1. In a highway reflector marker, the combination with a reflector, of a reflector mounting adapted to detachably receive the reflector and comprising a vertical member of channel form with vertical wings having portions perpendicular to its front and outwardly inclined portions joining the perpendicular portions with the side edges of the front whereby opposed vertical grooves of V-shaped cross-section are constituted in such mounting, and means for retaining the reflector in the mounting, said means being slidable in the grooves.

2,237,457

APERIODIC DISTURBANCE SUPPRESSION CIRCUITS

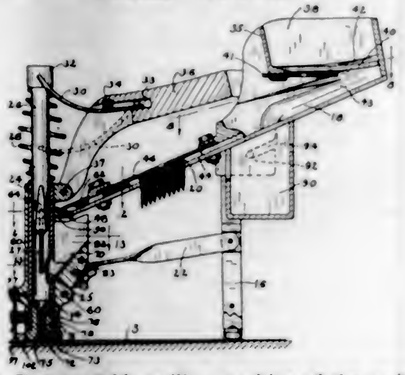
Bernardus D. H. Tellegen, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 11, 1939, Serial No. 261,257
In the Netherlands June 24, 1938
5 Claims. (Cl. 250—20)



1. In a side band modulated carrier receiving system of the type provided with a carrier demodulator and a demodulation voltage utilization network, the improvement which comprises a network for deriving from the carrier voltage prior to demodulation voltage of side band component frequencies corresponding to higher modulation frequencies, means for rectifying the derived voltage, means responsive to the carrier amplitude for controlling the operation of said rectifying means, and means responsive to the rectified voltage for controlling the said utilization network.

2,237,458
NAIL DRIVING AND SETTING MACHINE
Fred Thayer, Seattle, Wash.
Application December 16, 1938, Serial No. 246,190
4 Claims. (Cl. 1—46)



1. In a portable nailing machine of the reciprocable plunger type, the combination with a main frame and plunger-housing having a nail inlet, a hopper, and a handle uniting the hopper and housing, of a slotted inclined nail-chute uniting the hopper and housing, a removable elevated bottom in the hopper having a feed-slot, and means for regulating the length of said feed slot.

2,237,459
POLYMERIZATION OF OLEFINS
Ralph B. Thompson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 29, 1940, Serial No. 332,239
10 Claims. (Cl. 196—10)

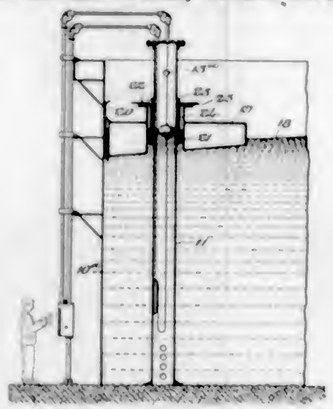
1. A process for converting normally gaseous olefins into normally liquid hydrocarbons of gasoline boiling range which comprises subjecting said normally gaseous olefins under polymerizing conditions of temperature and pressure to contact with a member selected from the group consisting of sulfamic acid and a composite of sulfamic acid with a substantially inert adsorbent.

2,237,460
POLYMERIZATION OF OLEFINS
Ralph B. Thompson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 6, 1940, Serial No. 333,595
15 Claims. (Cl. 196—10)

1. A process for converting normally gaseous olefins into normally liquid hydrocarbons of gasoline boiling range which comprises subjecting said normally gaseous olefins under polymerizing conditions of temperature and pressure to contact with a solid heteropolyacid prepared from sulfuric acid and chromic sulfate.

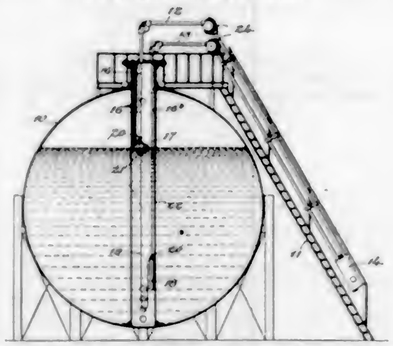
2,237,461
LIQUID LEVEL GAUGE EQUIPMENT
John J. Tokheim, Cedar Rapids, Iowa
Application December 2, 1937, Serial No. 177,793
1 Claim. (Cl. 220—26)

A vapor seal for a device for measuring the liquid contents of a tank wherein the tank includes a vertically movable roof having an opening therein and the measuring device includes a vertically disposed fixed tube extending through said opening, said seal comprising a vertically disposed, open-ended tubular member carried by the roof and defining the opening therein, a lateral flange at the upper end of said tubular member, an intermediate, vertically disposed, open-ended tubular member surrounding said tube and vertically movable therealong,



said intermediate tubular member being disposed within said roof-carried tubular member and being spaced therefrom to permit horizontal movement of the roof relative to said intermediate tubular member, a lateral flange at the upper end of said intermediate tubular member overlying the lateral flange of said first mentioned tubular member, packing means between said flanges, and packing means between said intermediate tubular member and said tube.

2,237,462
LIQUID LEVEL GAUGE EQUIPMENT
John J. Tokheim, Cedar Rapids, Iowa
Application December 2, 1937, Serial No. 177,794
2 Claims. (Cl. 73—321)



1. In combination with a liquid storage tank, a liquid level gauge comprising a looped tape having its end portions extending downwardly into said tank, a float attached to one end of said tape, a counterbalance weight attached to the other end of said tape, a length of flexible material, of the same weight per unit of length as the tape, slidably connected at one end with the weight attached end portion of the tape and

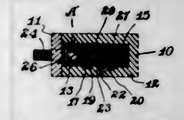
extending from said weight attached end portion of the tape substantially to the bottom of the tank and then upwardly to and connected with the other end portion of said tape, and means cooperating with said tape to indicate the level of the liquid in the tank.

2,237,463
AIRPLANE PROPELLER PAPERWEIGHT AND LETTER OPENER
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application October 7, 1940, Serial No. 360,049
10 Claims. (Cl. 120—35)



1. An airplane propeller paperweight and letter opener including propeller blades having outer thin pointed ends to provide means for engaging between the body and closing flap of an envelope to open the same, and a weighted hub portion at the inner end of said blades and forming a bearing upon which the paper weight and letter opener is adapted to rest with said blades extending outwardly therefrom.

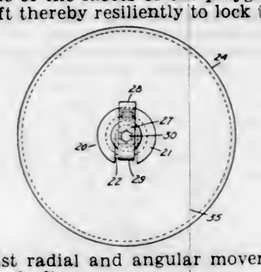
2,237,464
SWITCH
Carl Weschcke, St. Paul, Minn.
Application April 13, 1938, Serial No. 201,738
9 Claims. (Cl. 200—160)



1. A switch comprising a substantially flat insulation base, a coil spring mounted at one end to overlie said base and having a free end, a contact end on the free end of said spring resiliently engaging said base, the flexing of said spring moving said contact end in a predetermined path of said base, said base having a notch therein in the path of movement of said contact end into which said end may resiliently engage, said spring flexing in one direction, contact means in said notch engageable with said end, and cam means flexing said contact end in another direction to hold said contact end in engagement with said contact for a predetermined movement of the same and to permit said contact end to disengage said contact with a snap action.

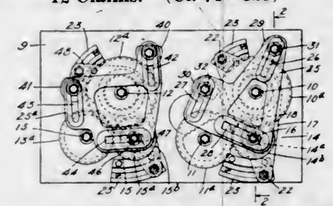
2,237,465
CHANGE GEAR RETAINING LOCK
William F. Zimmermann, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a corporation of New Jersey
Application March 9, 1939, Serial No. 260,734
2 Claims. (Cl. 287—53)

1. A member for retaining a pick-off gear on the end of a shaft comprising a radially slotted disc adapted to fit a groove adjacent the end of the shaft and to straddle the shaft, said shaft also having a polygonal cavity formed axially in the end thereof, said disc having a portion overlying the slot and spaced from the general plane of the disc and provided at its geometric center with detent means for cooperating with at least one of the facets of the polygonal cavity in the shaft thereby resiliently to lock the slotted



disc against radial and angular movement relative to the shaft.

2,237,466
SUPPORT FOR ADJUSTABLE CHANGE GEAR STUDS
William F. Zimmermann, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a corporation of New Jersey
Application June 1, 1939, Serial No. 276,758
12 Claims. (Cl. 74—325)

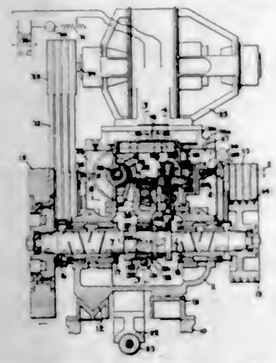


1. A removable support for a radially and angularly adjustable change gear stud of a pick-off gear speed change transmission, comprising a plate member having formed therein at least three elongated openings spaced from each other as the points of a triangle with one of said elongated openings extending in a direction transverse the direction of extent of the other of said openings; means cooperating with two of said openings for anchoring said plate in parallel spaced relation to the housing of the transmission and in a position wherein a portion of the length of the third of the said elongated openings in the plate coincides with the axis of the adjustable change gear stud in any radially or angularly adjusted position thereof; and means coacting with said third opening for clamping the stud to the plate.

2,237,467
GRINDING WHEEL SPINDLE RECIPROCATING APPARATUS
Charles C. Alvord, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 8, 1939, Serial No. 278,123
1 Claim. (Cl. 51—34)

In a grinding machine having a transversely movable wheel slide, a rotatable grinding wheel, a rotatable spindle therefor, bearings on the slide for said spindle, an electric motor, high speed driving connections between said motor and spindle to rotate the spindle at a normal grinding speed for a grinding operation, a low speed driving connection between said motor and spindle to rotate said spindle at a speed below the normal grinding speed for a finishing operation, means including a clutch to render either the high or the low speed connections operative,

means including a second clutch to start and stop said low speed driving connections to facilitate a polishing operation with the wheel stationary, and a wheel spindle reciprocating mechanism including a rotatable eccentric, direct driving



connections between said motor and eccentric to rotate the eccentric at a constant speed, and adjustable lever connections between said eccentric and spindle whereby the spindle is reciprocated at a constant speed through a variable stroke.

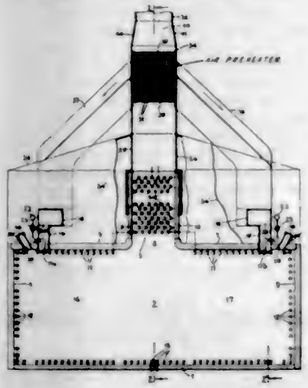
2,237,468

TREATMENT OF HYDROCARBONS AND APPARATUS THEREFOR

Albert L. Baker, Summit, N. J., assignor to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware

Application August 31, 1937, Serial No. 161,805

9 Claims. (Cl. 196—116)



5. In a heating apparatus for hydrocarbon fluids comprising a substantially box-like combustion chamber having a plurality of tubes arranged adjacent a substantially horizontal boundary surface of the chamber for the passage of hydrocarbon fluids therethrough, means arranged longitudinally of said tubes in an upper portion of said chamber near a lateral boundary thereof for firing said chamber in a plurality of downwardly directed streams, and exit means for withdrawing gaseous products of combustion in an upper portion only of said chamber which is spaced in a direction transverse to said tubes a substantial distance from said firing means.

2,237,469

VALVE DEVICE

Jacob Armin Bender, North Bergen, N. J., assignor of one-half to Oscar Bender, North Bergen, N. J.

Application December 16, 1939, Serial No. 309,511

4 Claims. (Cl. 251—8)



1. In a device of the character described, a member closed at one end, said member having a joining portion, a discharge opening, and a threaded opening, a tube slidable over said member, said tube having a discharge opening arranged to be brought into and out of alignment with said discharge opening of said member, said tube having an elongated guide opening, a clamping screw engaging with said threaded opening of said member and projecting through said elongated guide opening of said tube for limiting the extent of the movement of said tube relative to said member, a resilient member acting to automatically move said tube on said member to disalign said discharge openings.

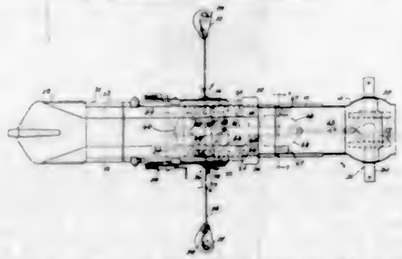
2,237,470

SHAKER CONVEYER

Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 30, 1939, Serial No. 297,271

20 Claims. (Cl. 198—220)



1. In a shaker conveyer, a reciprocating trough section, a member fixed adjacent its ends and extending transversely of said trough section, and gripping means movable relatively with respect to said member and actuated solely by reciprocable movement of the conveyer and adapted to grip said member during certain strokes of the conveyer, for swinging said reciprocating trough section laterally.

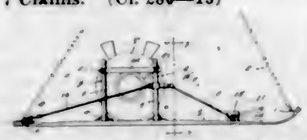
2,237,471

LANDING SKI FOR AIRPLANES

Percy G. Billings, Bangor, Maine

Application February 3, 1940, Serial No. 317,176

7 Claims. (Cl. 280—13)



2. In combination, a ski, means carried by the ski for holding the ski to a wheel of the landing gear of an airplane, a runway, and means for detachably connecting the runway with the rear portion of the ski.

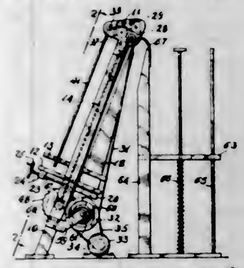
2,237,472

PAPER FOLDING MACHINE

Fredrick Brillas, New York, N. Y.

Application October 5, 1939, Serial No. 298,022

7 Claims. (Cl. 270—68)



1. In a paper folding machine, a frame, a platform upon which sheets of paper to be folded are rested in a stacked position, rollers for folding said sheets of paper mounted on said frame above said platform, vertical screws rotatively mounted on said frame along the sides of said platform, lugs formed on the sides of said platform and through which said screws threadedly extend, and means for rotating said screws to progressively raise said platform bringing the sheets of said stack into contact with said rollers to be successively folded thereby, comprising a shaft rotatively supported on said frame beneath said vertical screws and at right angles thereto, bevel gears mounted on the lower ends of said screws, complementary bevel gears mounted on said shaft and meshing with said bevel gears, a gear mounted on an intermediate portion of said shaft, a second shaft rotatively supported on said frame and extending parallel to said shaft, a pinion mounted on said second shaft and meshing with said gear, a pulley freely mounted on said second shaft, means for rotating said pulley, and resilient means for locking said pulley to said second shaft for rotating said second shaft to raise said platform when there is a space between the topmost sheet of said stack and said rollers.

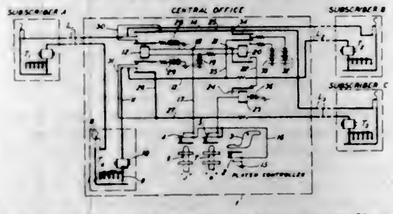
2,237,473

TELETYPEWRITER SWITCHING SYSTEM

Horace James Britt, Upper Darby, Pa., assignor to American Telephone and Telegraph Company, a corporation of New York

Application December 3, 1938, Serial No. 243,866

10 Claims. (Cl. 178—2)



1. A printing telegraph system including in combination a plurality of subscribers' printing telegraph stations each provided with a teletypewriter, a plurality of communication channels extending therebetween, electro-responsive means for switching the communication channels, means for energizing the electroresponsive means for establishing a communication connection between the teletypewriters at two of the stations for the transmission of permutation code signals, and means for deenergizing said electroresponsive means for discontinuing the communication connection and for establishing at the same time another communication connection between teletypewriter at one of the two stations and a teletypewriter at another of said stations.

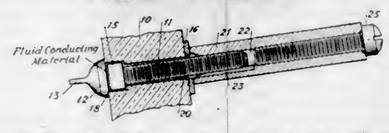
2,237,474

DEVICE FOR REPAIRING CABLE TERMINAL BINDING POSTS

James W. Channell, South Gate, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York

Application January 3, 1940, Serial No. 312,266

1 Claim. (Cl. 221—79)



A device for restoring the electrical continuity of a broken threaded terminal of a group mounted on an insulating plate in a terminal box, said device including an injector having a bored portion internally screw-threaded so that it may be attached to the threaded portion of a broken terminal, said bored portion having an internal longitudinal slot extending to an end of the injector, said bored portion encompassing the engaged portion of the terminal to enable fluid conducting material in the bore to flow along the terminal to its broken point, and a screw-plunger adapted to engage the interior of the bored portion to force said conducting material through the longitudinal slot and about the broken portion of the terminal.

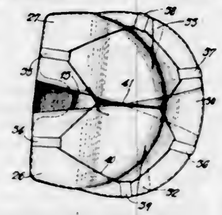
2,237,475

SEAT CUSHION

Franklin O. Church, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York

Application October 18, 1939, Serial No. 299,957

6 Claims. (Cl. 155—179)



1. A cushion for seats of the type described which comprises a block of cellular rubber comprising a base and an upstanding wall at the back and sides, a sheet of fabric covering the base and front surfaces of the wall and having a pair of extensions from the front, back and opposite side edges of said sheet beneath said block of porous rubber, said extensions being arranged symmetrically at opposite sides of a median front and back line of said cushion, loops extending from the back, sides and front edges of said sheet below said extension, and a draw-

string passing through said loops to draw said loops tightly against the lower surface of the seat.

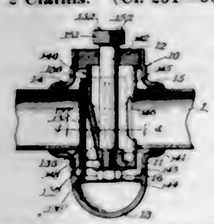
2,237,476

APPARATUS FOR FLUID CONTROL

Earl E. Cline, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application February 27, 1937, Serial No. 128,284, now Patent No. 2,171,939, dated September 5, 1939, which is a division of Serial No. 100,780, September 14, 1936, now Patent No. 2,171,937, dated September 5, 1939. Again divided and this application August 21, 1939, Serial No. 291,233

2 Claims. (Cl. 251—56)



1. In an apparatus adapted to be attached to a pipe for temporarily diverting the flow of fluid therefrom, a fitting having a substantially cylindrical portion open at its upper end and closed at its lower end, the cylindrical portion having aligned lateral openings therein through which the pipe extends, an expansible substantially cylindrical valve member having a central passageway therein and adapted to be inserted within the fitting, a portion of at least the top and bottom wall of the pipe within the cylindrical portion of the fitting being cut away so that the valve member may be inserted within the pipe, means adapted to limit the downward movement of the valve member, said valve member having an opening in its side communicating, through said central passageway, with an opening in the upper end of the valve member, a conduit secured to the upper end of the fitting for conducting fluid therefrom, wedging means capable of limited vertical movement within the valve member and secured against rotation with respect thereto, said wedging means being located at least partially within but not obstructing said central passageway and being adapted to expand the valve member when moved downwardly therein, and a shaft, one end of which is fixed to said wedging means, said shaft being rotatable so that the valve member may be turned to a position in which the opening therein faces upstream, said shaft also being movable axially so that the valve member may be expanded into sealing engagement with the walls of the pipe, when urged against said means, to prevent flow of fluid from the upstream side of the fitting to that portion of the pipe which is connected to the other side of the fitting and to permit flow of fluid through the valve member into the conduit secured to the upper end of the fitting, when the valve member is positioned with the opening in the side thereof facing upstream.

2,237,477

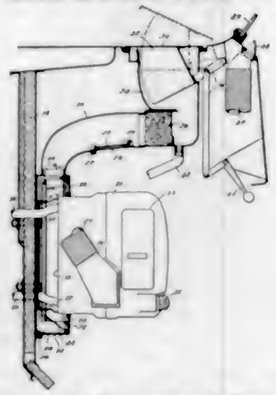
HEATING AND VENTILATING APPARATUS

Robert H. Colvin, Rockford, Ill., assignor to Burd Piston Ring Company, Rockford, Ill., a corporation of Illinois

Application February 28, 1938, Serial No. 192,922

3 Claims. (Cl. 98—2)

1. In combination, a heater unit comprising a casing having an air inlet end and an air outlet end, a heat transfer device within the casing, and means for forcing air through the casing from the inlet end to the outlet end; an air supply unit adapted for attachment to the heater unit comprising a casing having an air inlet end and an air outlet end and shaped at its air outlet end for attachment to the air inlet end of said heater unit casing so that air flow through the air supply unit will deliver into the heater unit, and one or



more air inlets in the casing of the attachment unit each normally closed by a valve mounted on such unit, each valve normally closing its said opening and mounted for sensitive inward opening movement in response to lower pressure of the air within the attachment unit; a fresh air conduit connecting the air inlet end of the attachment unit with the outside atmosphere; and means for controlling the volume of air flow through said fresh air conduit.

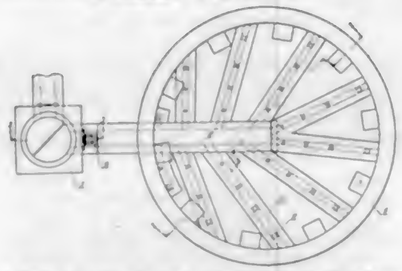
2,237,478

METHOD OF COLOR CONTROL OF CERAMIC PRODUCTS

John McManigal Cooley, East Palestine, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 3, 1939, Serial No. 297,674

2 Claims. (Cl. 25—157)



1. The method of applying a salt glaze to masonry facing materials which comprises placing said materials on the floor of the kiln in spaced relation to expose the surface of the material to the atmosphere of the kiln, subjecting the articles to a firing temperature to a degree of desired vitrification, then charging the kiln atmosphere with sodium chloride vapor to form a soda alumina silica glass surface on said material, exhausting the sodium chloride vapor from the kiln chamber by natural draft after firing has been discontinued, introducing cooling air into the kiln chamber through the stack flue and kiln bottom at a proper rate to lower the temperature of the articles so that the desired colors will be produced.

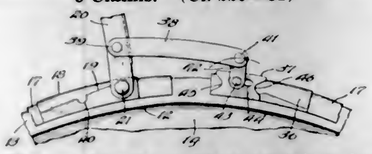
2,237,479

CONTAINER CLOSURE

Colin B. Dale, Oak Park, Ill., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 5, 1938, Serial No. 238,941

5 Claims. (Cl. 220—61)



1. The combination with a container having a bead and detachable cover extending over the bead, of a contractible closing ring for holding the cover in position, said ring having a bearing adjacent one end, a closing lever pivotally connected with said bearing for swinging outwardly, a bearing adjacent the opposite end of the ring, a link pivotally connected with the lever adjacent its bearing, a pin at the opposite end of said link, a second link connected with said pin, a pin at the opposite end of the second-named link which engages with a slot in the second-named bearing, said bearing having notches in either end thereof for receiving the first-named pin for actuating the ring as herein described.

2,237,480

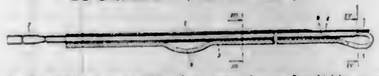
KNITTING MACHINE NEEDLE

Samuel James Everett, Thornton Heath, England, assignor to F. N. F. Limited, Gloucester, England, a British company

Application June 20, 1940, Serial No. 341,573

In Great Britain June 23, 1939

14 Claims. (Cl. 66—120)



1. A knitting needle, for use in a knitting machine, comprising a member formed with a hook, and a second member secured rigidly to said first-mentioned member to provide a tubular guide for a tongue member reciprocable relatively to said needle.

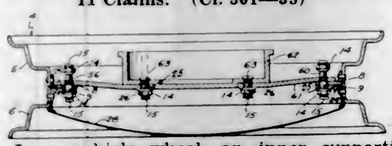
2,237,481

VEHICLE WHEEL

Casimiro Ferro, West Brighton, Staten Island, N. Y.

Application February 13, 1940, Serial No. 318,671

11 Claims. (Cl. 301—35)



2. In a vehicle wheel, an inner supporting section having spaced flange sections, an outer removable section having inwardly extending spaced flange sections of a width less than the distance between the first flange sections so that the flange sections on the removable wheel sections may be passed to the rear of the first flange sections and then turned to bring the two sets of flange sections into overlapping relation, one set of flange sections having openings therethrough, studs on the other set of flange sections having nuts adapted to pass through the openings in the first flange sections, said openings each having an enlarged portion for passage of the nuts and a narrower portion leading from one side thereof to receive the studs on relative turning movements between the sections.

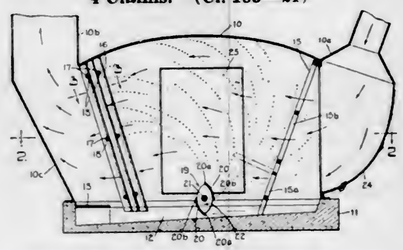
2,237,482

GAS WASHER

Herbert A. Faber, Cincinnati, Ohio

Continuation of application Serial No. 104,582, October 8, 1936. This application December 28, 1939, Serial No. 311,228

4 Claims. (Cl. 183—21)



1. Apparatus of the class described, including a chamber, means for spraying liquid within said chamber, an outlet from said chamber disposed adjacent an end thereof, a plurality of relatively thin walls closely spaced apart side-by-side between the chamber proper and said outlet and substantially aligned therewith edgewise in the path of travel of liquid spray, said walls being provided with coordinating, upwardly and downwardly extending, corrugated formations, and forming baffles which substantially completely separate said chamber proper from said outlet, said walls sloping from adjacent the bottom of the chamber to a location at the top thereof which is considerably farther removed from the center of said chamber proper than is the bottom location thereof, and said walls being such that sprayed liquid flowing downwardly through the narrow passages defined thereby will traverse substantially the entire facial areas of said walls.

2,237,483

COLORED OXIDE FILM ON METALS CONSISTING OF THE CLASS OF ALUMINUM AND ALLOYS THEREOF AND PROCESS OF PRODUCING SAME

Charles Graenacher, Riehen, and Max Matter, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

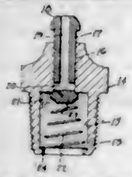
No Drawing. Application January 13, 1939, Serial No. 250,840. In Switzerland January 15, 1938

7 Claims. (Cl. 148—6)

1. A process of coloring an electrolytically produced oxide film on a metal selected from the class consisting of aluminum and alloys thereof, which comprises treating the oxide film on metals consisting of the class of aluminum and an alloy thereof with a solution of a water-soluble acyl derivative of a sparingly soluble dyestuff obtained by the reaction, in presence of pyridine, of a dyestuff containing at least one salt forming

group forming salts with alkalies which are hydrolyzed by water selected from the group consisting of —OH— and —NH— groups, with acylating agents containing at least one acid halide group and at least one group which imparts to the formed product increased water-solubility, and then with a solution of a saponifying agent.

2,237,484
LUBRICATION FITTING
James N. Gourley, Portland, Oreg.
Application March 26, 1938, Serial No. 198,262
1 Claim. (Cl. 184—105)



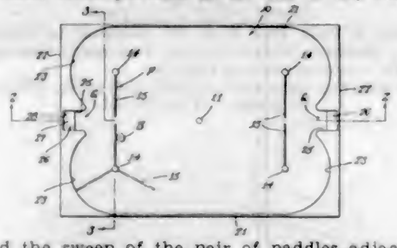
A lubrication fitting consisting of a threaded body member having a cylindrical opening in its outer end and an enlarged recess within its inner threaded end, a piston mounted in said cylindrical opening extending beyond the inner and outer limits thereof and having stops at opposite ends thereof for limiting the longitudinal movement of said piston, said piston having an axial opening extending from its outermost end to a point near the innermost end where said opening extends laterally through the side of the piston in a manner that when said piston is moved to its outermost position, said lateral opening will be closed, and a spring for urging said piston toward its outermost position, the outermost end of said piston constituting a tip for applying the grease gun, the innermost end of said piston constituting a plunger for displacing lubricant confined within said enlarged cavity.

2,237,485
PROCESS FOR THE DEOXIDATION AND DEGASIFICATION OF STEEL
Paul Hardt, Volklingen-Saar, Germany, assignor to Röchling'sche Eisen- und Stahlwerke Gesellschaft mit beschränkter Haftung, Volklingen-Saar, Germany, a limited-liability company
No Drawing. Application May 2, 1939, Serial No. 271,342. In Germany May 7, 1938
2 Claims. (Cl. 75—57)

1. A process for the deoxidation and degasification of steel, consisting of treating the liquid steel with a mixture of pitch and dust of lime with the proportion of lime greater than the pitch, and silicates and other fluxes in an amount sufficient to lower the sintering temperature of the lime.

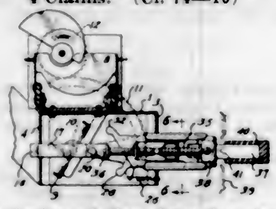
2,237,486
TABLE HOCKEY GAME
Douglas S. Henderson, Boston, Mass., assignor of one-half to Harriet E. Cole, Taunton, Mass.
Application October 26, 1939, Serial No. 301,442
2 Claims. (Cl. 273—85)

1. A game comprising a playing board of oblong, generally rectangular form, with a fence extending in straight lines along a major portion of the sides thereof and with arcuate portions at the ends of the board extending toward each other to substantially re-entrant angles with end goals having entrances between the adjacent ends of said fence at such re-entrant angles, and playing members mounted on said board embodying paddles adapted for complete circular sweep movements, said paddles being arranged in two pairs adjacent the respective ends of the board, the paddles of each pair having a sweep extending from the sides substantially to the center of the board and over the areas defined by said arcuate fence portions at an end of the board,



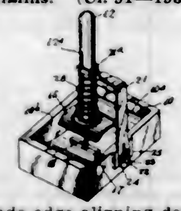
and the sweep of the pair of paddles adjacent each end of the board being such as to control entry to the goal at that end of the board, the paddles of each pair of playing members being of a length and disposition to engage a ball moving toward any part of the end areas of said board.

2,237,487
ADJUSTABLE TUNING MECHANISM
Julius J. Hobing, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application May 23, 1939, Serial No. 275,232
4 Claims. (Cl. 74—10)



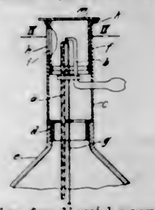
1. In a device of the character described, a plunger, a pair of longitudinally slidable elements mounted on said plunger, a shaft journaled on said plunger and having threaded engagement respectively with said longitudinally slidable members, the said engagement being respectively by right and left hand threads whereby rotation of said shaft will move said longitudinally slidable members equally and oppositely with respect to said plunger.

2,237,488
RAZOR BLADE EDGE ALIGNING DEVICE
Vaino Jarvi, New York, N. Y.
Application March 13, 1940, Serial No. 323,781
9 Claims. (Cl. 51—158)



1. A razor blade edge aligning device, comprising a base having a smooth concaved top surface, a handle extending radially of said concaved surface and having a bottom member for engaging the top face of a razor blade and also having a longitudinally extending slot, a bar supported on the bottom of said handle and adapted to engage in a slot in said razor blade, a shaft engaging through said slot in said handle, resilient means acting between said shaft and said bottom member for urging these parts in opposite directions, and an arm mounted on said base and supporting said shaft.

2,237,489
SPRAYING DEVICE
Johannes Karbe, Berlin, Germany
Application April 22, 1938, Serial No. 203,657
In Germany April 1, 1937
1 Claim. (Cl. 299—88)



A spraying device for liquid cosmetics, comprising in combination, a container, a riser tube in and projecting from the upper end of the container, a sleeve fitted on the upper end of the container and surrounding the projecting portion of the riser tube, a cap detachably connected to said sleeve, an air blast tube leading to the upper end of said riser tube and a needle comprising a wire bent at its upper end and eccentrically and rotatably mounted in said cap with the lower end extending downwardly in the upper end of the riser tube and adapted to be longitudinally displaced by said cap and out of range of said blast tube.

2,237,490
HOSE NIPPLE CONNECTION
Thomas M. Knowland, Belmont, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application October 7, 1939, Serial No. 298,484
5 Claims. (Cl. 285—80)



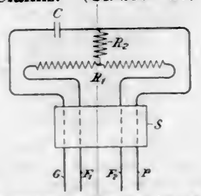
1. A hose nipple connection, comprising a metallic nipple having two annular recesses therein and therearound, a hose extending into the nipple, a covering of metallic wires wound spirally about and reinforcing the hose, a portion of said covering overlapping the nipple and extending into one of said recesses, means providing a band extending about said overlapping portion of the covering at said one recess and binding it to the nipple within such recess, a plurality of metal anchoring elements extending longitudinally of the hose and in relatively spaced relation therearound, said elements being secured to said wires and extending to a position overlapping the nipple at the other recess, means providing a second band at said other recess binding the elements to the nipple within said other recess, and other means cooperating with the elements and nipple for anchoring them against separating movement longitudinally.

2,237,491
SHAKER SCREEN
William H. Kutz, Summithill, Pa.
Application September 20, 1938, Serial No. 230,875
1 Claim. (Cl. 209—397)



In a coal shaker screen, a flat screen body having a plurality of closely arranged substantially circular openings in its area and extending through the surfaces thereof with their axes extending obliquely to the body and facing with the direction of flow of the material to pass over the upper body, said openings being formed by a plurality of slits in the screen body and arranged in transverse staggered rows and oppositely offsetting the edges of each slit in a concavo-convex formation from the ends thereof with the crest of such offset edge of each slit above the upper face of the body, at least, being tipped, upwardly to present a scraping or biting edge to the material passing over the body, said offset edges of each slit lying in the same oblique plane, said plane making an angle of approximately 60° with respect to the body, the distance between the openings in each row being less than the diameter of said openings and the distance between the openings of each row being less than the diameter of said openings.

2,237,492
ELECTRICAL NETWORK
Charles F. Landenberger, Camden, N. J., and Thomas J. Talley, 3rd, Philadelphia, Pa., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 7, 1939, Serial No. 298,522
4 Claims. (Cl. 250—27)

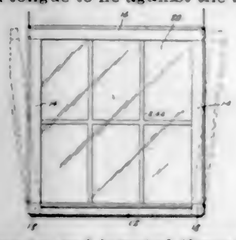


1. A passive network device to replace a vacuum tube comprising a vacuum tube base having four terminals, a non-inductive resistor connected to two of said terminals and having a resistance substantially equal to the average hot resistance of the filament of said vacuum tube, and a condenser connected between the other two terminals of said base through which alternating current may flow.

2,237,493
SASH
Joseph Martisius, Grand Rapids, Mich.
Application November 18, 1938, Serial No. 241,259
7 Claims. (Cl. 189—76)

1. In a window sash, first and second hollow sheet metal rails, a first connecting member inserted in one end of the first rail and fixedly related thereto and a second connecting member inserted in one end of the second rail and fixedly related thereto, said first connecting member having a U-shaped element provided with a slot in its bight and a second slot formation, said second connecting member having a U-shaped

tongue adapted to be inserted in said U-shaped element to fit snugly therein and against said bight, pin means carried by said tongue for insertion in said slot formation to hold the tongue firmly against said bight, a shank inserted through said tongue to lie against the bight there-



of and having an end inserted through said slot for engagement with the bight of the U-shaped element to restrain the tongue from withdrawal with respect to the U-shaped element, and a window weight line connected with said shank to hold the latter in position against the bight of the tongue.

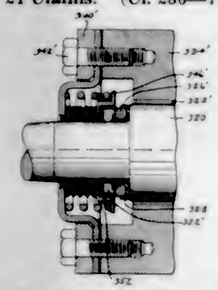
2,237,494

SEAL FOR REFRIGERATING APPARATUS

Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application August 31, 1938, Serial No. 227,758

21 Claims. (Cl. 286—7)



1. The combination of a housing member, a shaft extending through the housing member and rotatable with respect thereto, and a seal between the shaft and the housing member including a sleeve rotatably mounted with and sealed at one end to the shaft, and rotative seal members, one of which is carried by said sleeve and the other of which is carried by said housing member; said seal members being of metal and forming a running seal, and the one carried by said housing member being a removable insert therein and being secured thereto and sealed therein by a cup-shaped rubber washer which permits said insert to adjust itself to the other seal member.

2,237,495

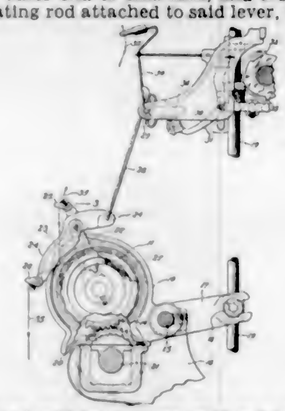
STOP MOTION FOR TEXTILE MACHINES

William J. McKinney, Stonington, Conn., assignor to The Atwood Machine Company, Stonington, Conn., a corporation of Connecticut

Application July 2, 1940, Serial No. 343,598

3 Claims. (Cl. 57—80)

1. A stop motion for textile machines comprising in combination, a feed mechanism housing movable to operative and inoperative positions, a substantially radial arm mounted for limited swinging movement thereon, a lever having thread guiding members thereon pivotally mounted at the outer end of said arm, and a stop motion actuating rod attached to said lever, whereby



oscillation of said lever moves said rod to a position to actuate said stop motion and move said housing to its inoperative position.

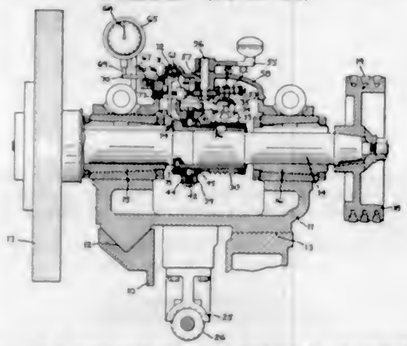
2,237,496

GRINDING MACHINE

George T. Muskovin, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application May 23, 1940, Serial No. 336,811

2 Claims. (Cl. 51—34)



1. In a grinding machine having a transversely movable slide, a rotatable grinding wheel, a wheel spindle to support said wheel, bearings in said slide for said spindle, manually operable means to move said spindle axially within its bearings in one direction, a pivotally mounted bell crank lever, one arm of said lever engaging a shoulder on said spindle, and a dial gauge actuated by the other arm of said lever visibly to indicate the position of said spindle and grinding wheel.

2,237,497

AIR CONDITIONER FOR AUTOMOBILES

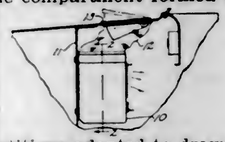
William Taylor Munford, Ontario, Calif.

Application September 14, 1939, Serial No. 294,815

5 Claims. (Cl. 261—29)

1. An air conditioner for automobiles which includes: a housing having a horizontal partition therein dividing it into an upper compartment and a reservoir; an evaporative pad in each end of said upper compartment but spaced from

the end walls of said housing; a second horizontal partition, disposed above said pads forming with the top of said housing a horizontal duct connecting the spaces between said pads and their respective end walls; means for connecting said duct to the ventilator of said automobile; a blower in the compartment formed by said pads



and said partitions adapted to draw air through said pads and discharge it into the passenger compartment of said automobile; a pump mounted on the lower end of said blower shaft and in said reservoir; a motor adapted to drive said pump and blower; and means for conducting water from said pump to said pads.

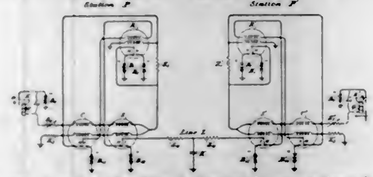
2,237,498

TELEGRAPH SYSTEM

James T. Neiswinter, North Olmstead, Ohio, assignor to American Telephone and Telegraph Company, a corporation of New York

Application December 22, 1939, Serial No. 310,649

6 Claims. (Cl. 178—71)



1. In a half-duplex telegraph repeater interconnecting a loop and a line, the combination of a receiving relay, a sending relay, means responsive to signals transmitted from the loop to operate the sending relay in accordance with the transmitted signals, means responsive to signals received from said line to operate the receiving relay in accordance with said received signals, and means for grounding said line a predetermined interval of time after the termination of signaling.

2,237,499

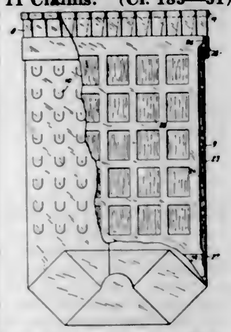
VACUUM-CLEANER BAG

Ragnar K. Österdahl, Essingen, Sweden

Application March 11, 1938, Serial No. 195,370

In Sweden March 19, 1937

11 Claims. (Cl. 183—51)



1. A vacuum-cleaner bag, having a collapsible mouth portion formed with pleats extending longitudinally of the bag and being adapted to be bent outwards to form a radially extending substantially annular supporting flange for attachment to the vacuum cleaner, the upper edge portion of said pleated collapsible mouth portion being doubled to hold said pleats in their collapsed condition, said pleats being permanently secured against unfolding at a distance from the end of said mouth portion corresponding to the desired width of said flange, said upper edge portion being free to be unfolded by bending the mouth portion to form said flange.

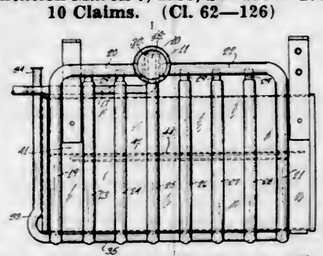
2,237,500

EVAPORATOR UNIT

Frank D. Peltier and Karl F. Schmidt, Indianapolis, Ind., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application March 7, 1938, Serial No. 194,311

10 Claims. (Cl. 62—126)



7. An evaporator comprising a cage-like structure having a transverse header at the top portion thereof, a plurality of substantially parallel U-shaped tubular members having their bight portions arranged to form the bottom of said structure and their opposite leg portions extending to the top thereof, an endmost U-shaped member having the upper ends of the legs thereof angularly bent to form extensions overlying the upper ends of the legs of the U-shaped members lying between said endmost member and the header, said angular extensions communicating both with the upper ends of the last-named U-shaped members and with said header.

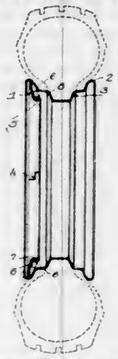
2,237,501

WHEEL BALANCING DEVICE

Judson A. Purvis, Chicago, Ill.

Application February 7, 1940, Serial No. 317,732

4 Claims. (Cl. 301—5)



1. In a wheel assembly for automobiles, a rim

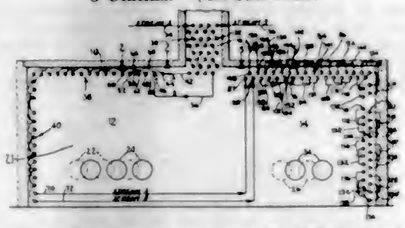
therefor provided on its opposite sides with an outwardly turned flange forming a radially inwardly opening continuous channel, a snap ring adapted to be detachably mounted within said channel and provided with a generally axially projecting flange, and balancing weights carried by the snap ring and clamped between the flange on the ring and a portion of the rim in such manner as to prevent their accidental displacement.

2,237,502

HEATING HYDROCARBON FLUIDS

John Herman Rickerman, River Edge, N. J., assignor to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware

Application August 5, 1939, Serial No. 288,539
8 Claims. (Cl. 196—110)



1. In a heating apparatus adapted for heating hydrocarbon fluids and having a heating section, a row of heater tubes therein, alternate heater tubes in said row being offset with respect to the remaining heater tubes in said row so that the ends of alternate tubes are offset with respect to the ends of the remaining heater tubes and jump-over headers disposed in planes transverse of the tubes and connecting the ends of alternate tubes with adjacent jump-over headers connecting alternate pairs of tubes being disposed in different planes, said jump-over headers being all arranged on one side of said row of heater tubes.

2,237,503

TITANIUM CARBIDE AND A METHOD OF MAKING THE SAME

Raymond R. Ridgway, Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 19, 1937, Serial No. 137,620
3 Claims. (Cl. 23—208)

1. A composition of matter comprising a massive ingot of titanium carbide having a hexagonal columnar crystalline structure with the majority of the individual crystals larger than 100 grit size and characterized by a high metallic luster and well defined crystal faces and sharp edges, a hardness above 9 on Mohs' scale, and a density greater than 4.75, which is substantially free from titanium nitrogen compounds, as well as iron, silicon, graphite and alkaline earth metals.

2. The method of making titanium carbide comprising the steps of completely fusing titanium oxide and thereafter cooling and crystallizing the same, mixing the crystalline product in a granular condition with carbon proportioned stoichiometrically for making titanium carbide and heating the mixture about a furnace resistor while excluding oxygen and nitrogen and progressively forming an ingot of titanium carbide therefrom.

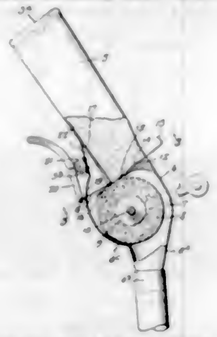
2,237,504

SEED DISPERSER

Royce M. Roath, Earlville, Ill.

Application December 12, 1938, Serial No. 245,307
1 Claim. (Cl. 221—119)

A device comprising a hopper having a discharge port, a housing connected to said hopper and open to said port, said housing fashioned with an outlet opening, an apertured slide adjustably mounted in the housing for regulating the effective size of said port, a yieldable roller mounted in said housing and coacting with a



wall of the latter for feeding seed, introduced into said housing through said port, into said outlet opening upon rotation of said roller, and a trigger actuated leaf spring carried by said hopper, and slidably engaging and coacting with said slide for permitting and precluding the discharge of seed through said slide and port.

2,237,505

PISTON PUMP

Max Roedel, Munich, Germany, assignor to F. X. Meiller, Maschinenfabrik & Wagenbauanstalt, Munich, Germany

Application November 15, 1938, Serial No. 240,542
In Germany October 12, 1937
5 Claims. (Cl. 103—178)

1. A piston pump, comprising in combination a cylinder, a cup-shaped piston adapted to move to and fro in said cylinder and having an axial bore forming a passage for the pumped liquid, an inner shoulder in said cup-shaped piston at the upper end of said axial bore, a suction valve in said bore, an eccentric cooperating with said suction valve to reciprocate said piston in said cylinder, and a helical spring in said cylinder constantly acting with its lower end on said suction valve and on said inner shoulder in said piston only when said suction valve has been opened.

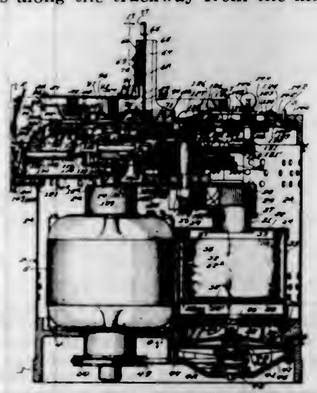
2,237,506

MATRIX GRINDING AND MARKING MACHINE

John E. Sheaffer, Louisville, Ky.

Application May 22, 1939, Serial No. 275,049
12 Claims. (Cl. 51—110)

1. In a machine for reconditioning matrices, a horizontally rotating, flat-surfaced annular grinding element, a correlated trackway above said grinding element over which the respective matrices to be reconditioned are passed successively onto the grinding element, a vertical open-bottomed magazine for initially receiving the matrices in a pile therein, the bottom matrix of the pile resting on said trackway, motor-driven mechanism for rotating said grinding element, means including an intermittently operable reciprocatory ejector device operating with the rotating mechanism of said grinding element in timed relation thereto for successively moving the matrices along the trackway from the magazine



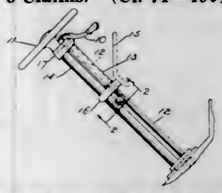
and onto the grinding element, means for individually marking the respective matrices when in a definite common position during a period of rest as they are passed along the trackway from the magazine, said marking means including a rotary saw mounted to move laterally towards and from the trackway to engage and disengage each successively positioned matrix marginally thereof, and actuating means for said saw operating with and in timed relation to the mechanism which rotates the grinding element and oscillates said ejector device.

2,237,507

SILENCER FOR GEAR SHIFT LEVERS AND RODS

Elwyne O. Shreffler, Manteno, Ill.

Application May 2, 1940, Serial No. 333,011
3 Claims. (Cl. 74—490)



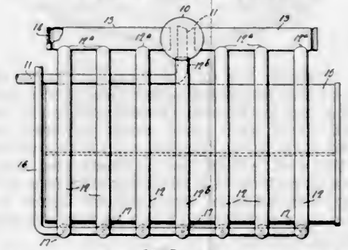
1. In combination with a steering wheel and post, and a gear shift construction having a gear shift lever positioned adjacent said steering wheel, a gear shift housing and a gear shift rod extending from said gear shift lever through and below said gear shift housing, said gear shift housing and said gear shift rod below said gear shift housing extending slightly spaced from and parallel to said steering post, and a bushing for said gear shift rod within said gear shift housing, said bushing being worn by wear and leaving play between it and said gear shift rod so as to cause rattling, a spring member having wide convex surfaces adjacent each end connected by a pair of upwardly extending portions forming a concave central tension portion, one of said convex surfaces adapted to fit against the steering post, the other of said convex surfaces adapted upon moving the upwardly extending portions closer together to fit against the gear shift rod immediately below the gear shift housing, said spring member so positioned exerting outward pressure against the gear shift rod and causing it to move against said bushing so as to eliminate play and any rattling therebetween.

2,237,508

REFRIGERANT EVAPORATOR

Lawrence C. Smith, Lyons, N. Y., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application July 24, 1940, Serial No. 347,345
6 Claims. (Cl. 62—126)



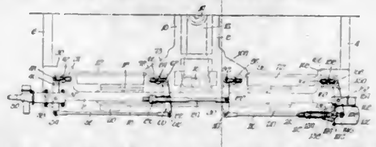
5. An evaporator comprising an elongated suction header, a plurality of transversely positioned sub-headers entering said header and being disposed horizontally, a plurality of depending pipe loops, each loop having terminal portions connected to adjacent sub-headers, and refrigerant supply means organized with said loops.

2,237,509

BRAKE

Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

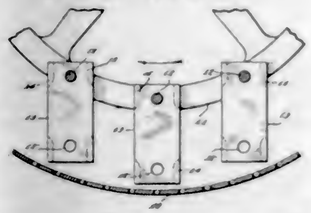
Application July 29, 1939, Serial No. 287,268
30 Claims. (Cl. 188—56)



1. In a brake rigging for a railway car truck, a frame, supporting wheels and axles, and braking means for the wheels at one side of said truck comprising a slack adjuster supported adjacent one end thereof, power means supported adjacent the other end, brake levers fulcrumed in said frame at opposite sides of each wheel supporting brake heads and brake shoes for engagement therewith, live auxiliary levers connected to the brake levers intermediate the wheels and connected to each other, dead auxiliary levers connected to the end brake levers, one of said dead auxiliary levers being fulcrumed from said slack adjuster and connected to the adjacent live auxiliary lever, and power means connected between the other live and dead auxiliary levers, the connection of said power means comprising live and dead cylinder levers connected to said auxiliary levers respectively and connected to each other,

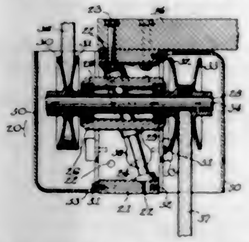
one of said cylinder levers being connected to the piston thereof and the other fulcrumed from the body thereof.

2,237,510
HAMMER-MILL HAMMER
James A. Tankersley, Indianapolis, Ind., assignor to Heat Treating Incorporated, Indianapolis, Ind., a corporation of Indiana
Application August 2, 1939, Serial No. 288,037
6 Claims. (Cl. 83—11)



1. A hammer for use in hammer mills, comprising a generally rectangular metal plate adapted at one end for pivotal attachment to the hammer-mill rotor, said plate being provided at at least one of its outer corners with a groove opening in the end face of the hammer and extending inwardly along the adjacent side face of the hammer, the walls of such groove being softer than the outer surfaces of the hammer adjacent such outer corner.

2,237,511
VARIABLE SPEED TRANSMISSION
Herbert E. Tautz, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 2, 1937, Serial No. 177,667
1 Claim. (Cl. 74—230.17)



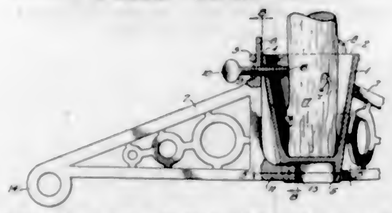
A variable speed transmission device comprising a carrier, a bearing carried thereby, a shaft mounted in said bearing, said carrier having lugs thereon, on opposite sides with respect to the shaft, said lugs having parallel guideways therein, the guideways being inclined at an acute angle to the axis of the said shaft, parallel guide rods received in said guideways, relatively stationary means secured to said rods at their ends to maintain them in proper position, a pair of expansible pulleys carried by said shaft and mechanically interconnected to cause one to expand when the other contracts, and self-locking adjusting means for shifting the said carrier along the rods, said adjusting means including a set of gear teeth on one side of the carrier, a gear in mesh with the same, a duplicate set of gear teeth on the opposite side of the carrier, and a worm engaging the said gear, said duplicate set of gear teeth making it possible to mount the gear and worm on either side of the carrier.

2,237,512
SUSPENSION AND RELEASING OF SHIPS' BOATS FROM DAVITS
Humphrey George Taylor, Lower Penn, near Wolverhampton, England
Application November 25, 1939, Serial No. 306,155
In Great Britain November 11, 1938
3 Claims. (Cl. 9—22)



1. Means for suspension and release of ships' boats comprising a block at each end of the boat, means whereby said block may be connected to the boat, means on said block to engage with a loop of the respective fall and a part pivoted to said block and carrying said engaging means and adapted to be swung outwardly from a fixed part of the block to permit of the said fall being cast off from said engaging means when the boat takes the water, said pivoted part being carried across the plane of suspension of the block and beneath the said engaging means and pivoted to the fixed part of the block at a point which is on the other side of the said plane of suspension, whereby the pull of the fall tends to keep the said pivoted part in its inmost position.

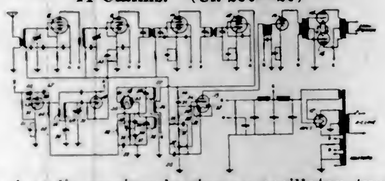
2,237,513
STAND
Paul Timko, Chicago, Ill.
Application May 6, 1940, Serial No. 333,627
1 Claim. (Cl. 248—44)



A stand of the character described comprising a deep cup-like receptacle having a plurality of equidistantly spaced horizontally extending ears each having an aperture therein, said receptacle also having a series of equidistantly spaced apertures in its wall, each located adjacent the lip of said cup and centrally under each of said ears, an integrally formed downwardly extending flange on the lower edge of said receptacle having a plurality of equidistantly spaced vertically extending slots therein, each of said slots lying in the same radial vertical plane as the corresponding wall aperture, a plurality of horizontally extending legs, one end of each of said legs having an upstanding lug portion adapted for insertion

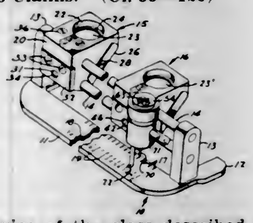
in one of the ear apertures and a horizontally extending inward portion on its lower part provided with a T-head adapted for insertion in the corresponding slot of the receptacle flange for locking engagement with the flange and a thumbscrew on each of said legs adapted for insertion in one of the side wall apertures and into the interior of said receptacle.

2,237,514
AUTOMATIC RESONANCE ADJUSTING MEANS
Sidney Young White, New York, N. Y., assignor to Victor S. Johnson, Chicago, Ill.
Application July 1, 1935, Serial No. 29,244
11 Claims. (Cl. 250—20)



2. A radio receiver having an oscillator, tuning means for selecting any one of a number of different carriers within a range of frequencies, automatic electrical means including a corrector unit for substantially compensating for inaccuracy in the operation of said tuning means, and means including combined inductive and capacitive coupling between said corrector unit and said oscillator whereby the ratio of said compensation to said inaccuracy is rendered substantially constant regardless of the frequency of the selected carrier.

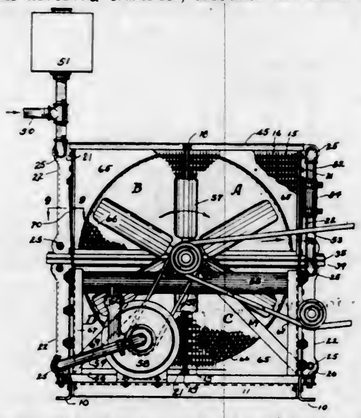
2,237,515
MEASURING INSTRUMENT
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application December 18, 1939, Serial No. 309,708
6 Claims. (Cl. 33—125)



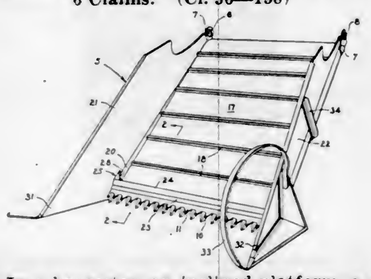
6. In a device of the class described, in combination, a base, a series of V notches cut in a surface of said base, a rod mounted on said base and in spaced relation thereto, an optical unit fixedly mounted on said rod, a second optical unit slidably mounted on said rod, and means forming a part of said second optical unit and including a spur selectively engageable with said V notches in said base for positioning said second optical unit a definite distance with respect to said fixedly mounted unit.

2,237,516
MULTIPLE UNIT JACKET COOLER
Fred M. Young, Racine, Wis.
Application July 12, 1939, Serial No. 282,937
2 Claims. (Cl. 257—124)

1. A unitary heat exchanger of the class described, comprising a rigid unitary supporting frame, two radiator units one above the other each having unitary vertically positioned spaced headers which are operatively connected by a number of horizontally positioned tubes, a multiplicity of closely spaced fins through which said tubes extend, at least one of the bottom pair of headers at their lower ends being horizontally yieldingly mounted on said frame, the bottom ends of said upper pair of headers being secured to an inverted channel, another inverted channel secured to the top ends of said bottom headers, said two channels being spaced and secured together at their ends, horizontal slidable means between said upper and lower headers whereby their tubes may expand and contract independently, an inlet connection in the top of one of the top headers, operating connections between the other top header and its adjacent bottom header and an outlet connection at the bottom of the other bottom header.

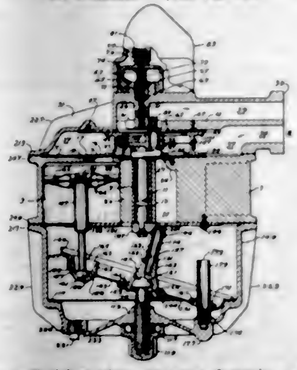


2,237,517
HARVESTER PLATFORM
Ralph L. Anderson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 2, 1940, Serial No. 312,043
6 Claims. (Cl. 56—158)



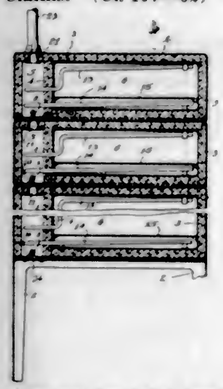
1. In a harvester, an inclined platform, a conveyor movable upwardly thereon for conveying harvested material, a side wall on said platform alongside said conveyor and spaced laterally therefrom, the surface of said platform between said conveyor and said side wall being in a plane substantially parallel with said conveyor, and a deflector attached to said platform and disposed between said conveyor and said wall and comprising an abutment rising above said platform surface for guiding to said conveyor any of said material that slides down said platform surface.

2,237,518
FLUID METER
Hosmer L. Blum, Fort Wayne, Ind.
Application August 27, 1937, Serial No. 161,222
18 Claims. (Cl. 74—60)



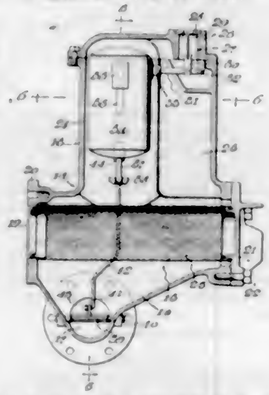
1. In a fluid meter, means forming a circular track, a journal, means for supporting said journal centrally of said track, a circular control plate, means for supporting said plate on said journal for motion thereabout and in rolling relation with said track, so that the planes of said plate and track intersect, a single pin supported in fixed relation with respect to said track and engaging a bearing in said plate to prevent circumferential progression of said plate on said track, said pin comprising a noise reducing sheath.

2,237,519
BAKE OVEN
Robert P. Bolling, Detroit, Mich.
Application February 8, 1940, Serial No. 317,808
3 Claims. (Cl. 107—62)



1. An oven structure for bake goods comprising, a plurality of units disposed in superimposed relationship and each comprising upper and lower walls and side walls, a partition in each unit defining at one side thereof a combustion chamber, and defining on the opposite side thereof, an oven compartment for bake goods, a burner for fuel in each combustion compartment, a shelf adapted to support bake goods in each oven compartment, steam tubes extending through the partition of each unit above and below said shelf for transferring heat to the oven compartment, the upper and lower walls of the combustion compartments having openings therein arranged so that the opening in the upper wall of one unit substantially aligns with the opening in the lower wall of the next above unit, whereby a continuous flue formation is provided through the several superimposed combustion chambers, and a final outlet flue associated with the opening in the upper wall of the uppermost unit.

2,237,520
LIQUID FLOW-THROTTLING AND AIR-ELIMINATING MEANS
Walter S. Brubaker, Oakland, and Armas J. Saarinen, San Francisco, Calif., assignors, by mesne assignments, to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application October 14, 1938, Serial No. 235,088
7 Claims. (Cl. 73—200)

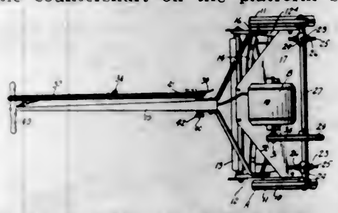


1. An air eliminator comprising a casing having a substantially cylindrical horizontal portion and a liquid inlet in one end thereof, the lower side of said horizontal cylindrical portion being depressed and having a liquid outlet, said casing being provided with a vertical substantially cylindrical portion rising from and communicating with said horizontal cylindrical portion and disposed toward one end of the latter, said vertical cylindrical portion being provided with a narrow lateral extension toward the other end of said horizontal cylindrical portion and extending vertically throughout the length of said vertical portion, said extension being in communication with said vertical portion substantially throughout its length and being in communication at its lower end with said horizontal casing portion, a horizontal cylindrical strainer in said horizontal casing portion and extending under said vertical portion and said narrow lateral extension, said strainer being in communication with said inlet, a cap for the upper end of said vertical casing portion and said extension, said cap having an air vent at the upper end of said extension, a vent valve for said vent, a float in said vertical casing portion, and means operatively connecting said float with said vent valve to close this valve when the float rises and vice versa.

2,237,521
POWER UNIT FOR DRIVING LAWN MOWERS
Pearl G. Frazier, Altoona, Iowa
Application November 6, 1939, Serial No. 303,062
7 Claims. (Cl. 180—19)

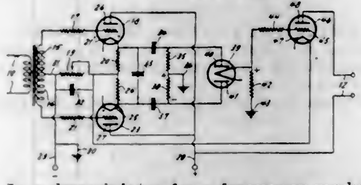
1. For use with a lawn mower having a frame

and traction wheels, a power unit for driving the mower, comprising a platform support adapted to be mounted on the mower frame, a prime mover on the platform support having a power shaft, a countershaft, means for mounting the countershaft on the platform support



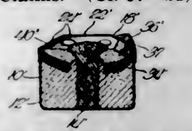
including means for yieldably tending to move the countershaft away from the traction wheels of the mower, means for operating the countershaft from the power shaft, pulleys on the countershaft, and belts for driving the mower traction wheels from the pulleys on the countershaft.

2,237,522
FREQUENCY MODULATION
Gilbert R. Clark, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 12, 1939, Serial No. 273,175
8 Claims. (Cl. 250—27)



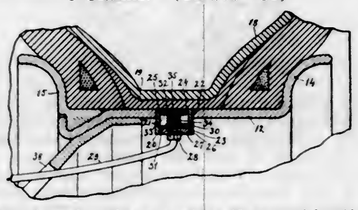
8. In a demodulator for a frequency modulated carrier wave, means for receiving the frequency modulated carrier wave, a pair of gas tubes each having a cathode, a control electrode and an anode, a signal input source connected to the control electrode and cathode of the tubes in phase opposition to fire each tube alternately and on alternate half cycles, means to extinguish one gas tube on one-half cycle when the other fires on the other half cycle, a condenser, means connected to said tubes for charging the last mentioned condenser to a predetermined constant value on one-half wave of the carrier wave and to discharge it on the succeeding half wave, means for rectifying a constant fractional part of the alternating current passing through the last mentioned condenser, means to integrate the rectified pulses and indicating means responsive to the output of the integrating means.

2,237,523
WICK FUSEE
Philip E. Damon, Ames, Iowa
Application August 17, 1938, Serial No. 225,309
13 Claims. (Cl. 67—21)



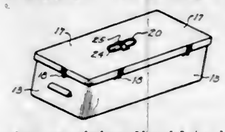
5. A wick fusee for burning solid fuel including a container of non-combustible material comprising a bottom portion adapted to be filled with solidified fuel and a hollow cap permanently positioned thereon, a wick supported in the bottom portion and extending above the surface of said fuel, said hollow cap being provided with a portion having an opening above the wick and a plurality of side apertures around the wick and forming a space for vapor around said wick in the upper portion of the container, a firing member comprising a quick igniting material retained in the space around the wick in a position adjacent the solid fuel when the container is assembled to initially melt the solid fuel when the flare is fired, and a relatively small mass of priming compound positioned in the cap adjacent and above the firing member, and means for igniting the priming compound.

2,237,524
TIRE INFLATION SIGNAL
John D. Francisco, Akron, Ohio, assignor to The Signal-Air Company, Akron, Ohio, a corporation of Ohio
Application March 16, 1939, Serial No. 262,135
5 Claims. (Cl. 200—58)



1. In tire-signal apparatus, the combination of a pneumatic-tire rim including a base wall formed with an aperture, and a switch device mountable on the rim from its inner periphery, having a casing detachably engaged at one end with the walls of said aperture and formed with a mouth aperture, said device having a plunger button of smaller diameter than the rim aperture, guided in the casing mouth aperture and exposed for contact with the base of the tire flap or inner tube, and a pair of internal switch contacts positioned within the thickness of said base wall and including a movable contact actuated by said button.

2,237,525
TRAY
Nolan Glazer, Dallas, Tex.
Application November 1, 1937, Serial No. 172,149
9 Claims. (Cl. 62—108.5)

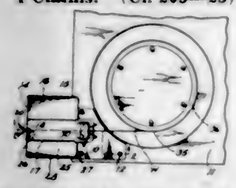


1. A tray for receiving liquid to be frozen and adapted to be inserted into the freezing chamber of a mechanical refrigerator, a closure for the tray, a bulb having a carbonating medium therein removably mounted on the tray, means for releasing the carbonating medium from within the bulb into the interior of the tray when the bulb is placed in position on the tray, whereby the liquid within said tray may be carbonated and when frozen forms carbonated ice, and means for dividing the interior of the tray into cubical compartments whereby the liquid is frozen into ice cubes.

2,237,526
EXTREME PRESSURE LUBRICATING COMPOSITION
Robert L. Humphreys, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 12, 1934, Serial No. 757,125
7 Claims. (Cl. 252—47)

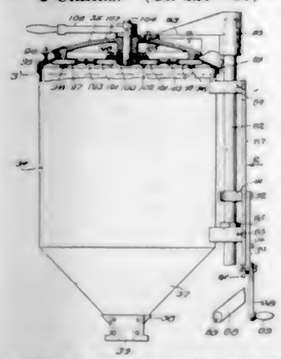
1. A lubricating composition containing a lubricating oil and at least 0.5% by weight thereof of benzothiazol tetrasulfide.

2,237,527
DIE BOX FOR WIRE DRAWING MACHINES
Kenneth B. Lewis, Worcester, Mass., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application May 3, 1939, Serial No. 271,541
4 Claims. (Cl. 205—25)



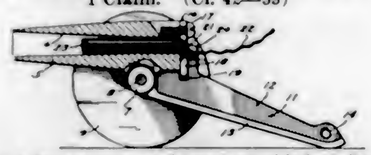
1. In a wire drawing machine having a bench, a die box rigidly attached to the bench and having its longitudinal axis substantially aligned with the path of the wire, said box being open at its top and having an opening adapted to receive a die, and means including screws mounted in the bottom of said box and screws mounted in an end wall of said box and engaging said die for adjusting the die with respect to the path of the wire.

2,237,528
CONTAINER COVER OPERATING MECHANISM
Fred Marasso, Joliet, Ill., assignor to Union Machinery Company, Joliet, Ill., a corporation of Illinois
Application February 3, 1938, Serial No. 188,406
3 Claims. (Cl. 220—47)



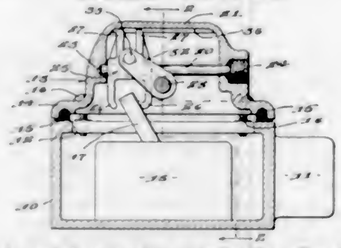
1. In container cover operating mechanism, the combination of a container, a cover therefor, a cover carrying arm, a vertically movable supporting rod, upon which the arm is swivelly carried when the cover is in raised position, there being a limited amount of vertical movement of said rod with respect to the arm, whereby the cover may seat on the container, means to raise said rod and therewith the cover to raised position, and supporting means carried by the container for supporting the cover raising means.

2,237,529
TOY CANNON
Joseph M. Michaelson, Minneapolis, Minn.
Application July 10, 1939, Serial No. 283,617
1 Claim. (Cl. 42—55)



In a toy cannon, a barrel provided at its rear end with a hinge lug at one side of its bore and provided at its opposite side and at a point below its bore with a rearwardly projecting portion formed with a lock slot extended below said bore, and a breech block in the form of a lever pivoted to said hinge lug at one end and provided with an approximately triangular portion depending from its intermediate portion and engageable with said lock slot, said depending portion forming an angle with the body portion of said lever at a point affording a fuse passage into the bore of the barrel when said breech block is in operative position.

2,237,530
SWITCH ACTUATING MECHANISM
Raymond H. Olley, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application November 23, 1938, Serial No. 242,026
4 Claims. (Cl. 74—96)

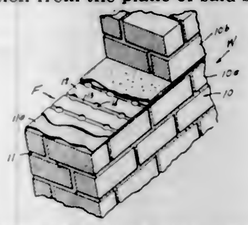


1. A switch actuating mechanism for a toggle type switch mounted in a housing having a cover formed with a recess, a shaft mounted in the cover and extending across said recess parallel to the plane of movement of said switch handle, said shaft being secured against axial movement and in flame tight relation to the end walls of the cover, a switch actuating element slidably mounted on said shaft and having depending spaced apart arms engageable with opposite sides of the switch handle, a rock shaft journalled in one side of the cover and being provided on its inner end with motion transmitting means operatively connected with said actuating element to effect sliding movement of the same upon oscillation of said rock shaft.

2,237,531
BUILDING FLASHING
George W. Orth, Philadelphia, and Herbert P. Orth, Merwood, Pa.
Application December 29, 1939, Serial No. 311,460
3 Claims. (Cl. 72—127)

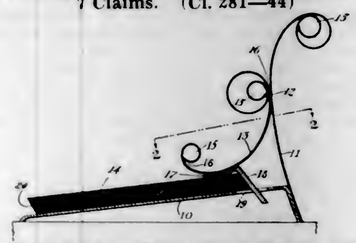
3. A building flashing of the character described

comprising a sheet of metal formed with a plurality of transversely extending and spaced key bonding and drainage grooves, a key bonding recess extending transversely from each of said grooves toward an adjacent groove and in the same direction from the plane of said sheet metal



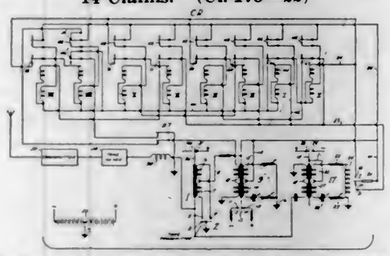
as said grooves and in drainage communication with one of said grooves so as to provide open drainage channels throughout the width of said sheet on opposite faces thereof when either face of said sheet is in superposed relation to the opposite face.

2,237,532
HOLDER FOR WRITING PARAPHERNALIA
Emanuel R. Posnack, New York, N. Y.
Application July 30, 1940, Serial No. 348,374
7 Claims. (Cl. 281—44)



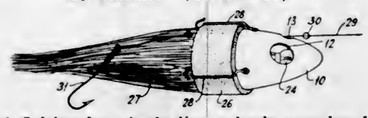
2. In a holder of the character described, a base adapted to accommodate a pad therein, a holding member overlying and yieldably engageable with a portion of the base whereby said member will be in pressing engagement with the pad on the base, and stop means behind the pad-engaging portion of the said holding member and adapted for abutting engagement with the pad operatively held between said member and the base, said stop means being secured to and extending downwardly from said holding member.

2,237,533
SECRECY AND MOTOR CONTROL DEVICE
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 23, 1938, Serial No. 241,942
14 Claims. (Cl. 178—22)



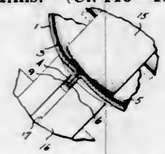
1. In a secrecy telegraph system, means for making mark and space indications for transmitting a message and means for automatically interchanging the mark and space indications at predetermined intervals.

2,237,534
FISHING LURE
William W. Van der Clute, Elizabeth, N. J.
Application January 31, 1938, Serial No. 187,893
19 Claims. (Cl. 43—44)



1. A fishing lure including a body member having an interchangeable tail member, said tail member including a tubular member surrounding and contacting said body member and provided with rearwardly extending flexible streamer elements, and resilient means on said body member and positively engaging said tubular member to clamp said tubular member between said resilient means and said body member for positioning and retaining said tail member on said body member.

2,237,535
METHOD OF MAKING WELDED CONNECTIONS FOR SHEET METAL ARTICLES
Frederick G. Wahl, Detroit, Mich., assignor of one-half to Gordon M. Evans, Detroit, Mich.
Application December 9, 1938, Serial No. 244,813
3 Claims. (Cl. 113—120)

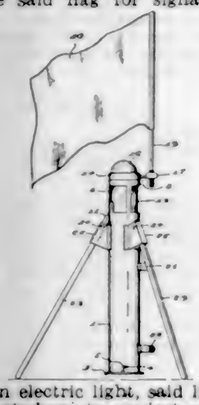


1. The method of making a receptacle which comprises fashioning a sheet metal blank into a tubular body having a circumferentially smooth wall at least adjacent one end, forming a flange at said end of the body with the flange meeting the tubular wall of the body on a curve, fashioning a bottom from sheet metal and forming a flange on the peripheral edge of the bottom with the flange meeting the metal in the bottom on a curve, placing the body and the bottom together with the flanges in abutting relationship with the curved portions defining a groove, welding the interfacial surfaces of the flanges together, working the metal of the body and the bottom adjacent the flanges to cause a spreading action substantially until the weld connection is drawn taut to reduce the dimensions of said groove to such a size as to present a surface for the reception of a finish such as porcelain or the like.

2,237,536
SIGNAL
George Irwin Wells, Jr., Yonkers, N. Y., assignor of one-half to John J. Dran, Yonkers, N. Y.
Application March 6, 1940, Serial No. 322,606
4 Claims. (Cl. 177—324)

1. In a signal for setting up on a highway to warn motorists of danger ahead, a tubular casing adapted to be disposed in upright position and provided adjacent the upper end thereof with circumferentially spaced windows therein, a flag staff secured to the side of the casing to extend

above said upper end thereof for supporting a flag above said end, a plurality of supporting legs for said casing pivotally mounted thereon for swinging toward and from the casing into folded and unfolded positions, respectively, means in said casing for projecting a beam of light upwardly to illuminate said flag for signalling purposes



comprising an electric light, said light being adjacent said windows to project signalling rays of light laterally therefrom, and means including a source of energy in said casing for energizing said light, said means being rendered effective by swinging of one leg into unfolded position.

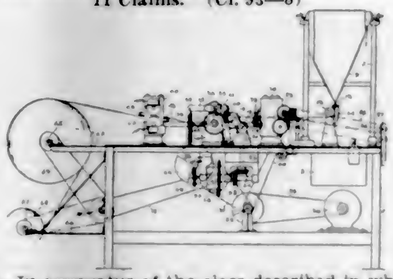
2,237,537

METHOD AND MEANS OF MAKING POUCHES

Percy M. Yeates and Donald D. Jackson, Toronto, Ontario, Canada, assignors, by mesne assignments, to North American Containers, Inc., New York, N. Y., a corporation of New York

Application June 20, 1938, Serial No. 214,775

11 Claims. (Cl. 93—8)



1. In apparatus of the class described in which a heat-sealable strip is folded, heat-sealed and severed in the sealed zones, the combination of sealing and cutting devices and reversible strip-feeding means interposed between said sealing and cutting devices and selectively operable to advance the strip to either of said devices in accordance with the operation to be performed.

2,237,538

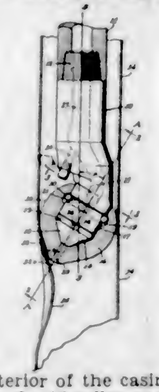
SWEDGE

John A. Zublin, Los Angeles, Calif.

Application February 25, 1939, Serial No. 258,438

4 Claims. (Cl. 153—81)

1. A swedge adapted to be lowered to a point remote from the surface in a casing set in a well including a shank rotatable about the axis of the casing, and a conoidal roller mounted on said shank for rotation about an inclined axis fixed with respect to said shank, said roller closely fitting the interior of the casing and forming the sole support of said roller and shank against transverse movement in the casing.



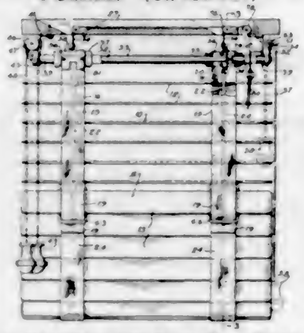
2,237,539

SECTIONAL VENETIAN BLIND

Harold A. Adams and Willard B. Files, Bakersfield, Calif., assignors of one-fourth to Ruth P. Ingalls, Bakersfield, Calif., three-eighths to Marion T. Hallock, Delano, Calif., and said Files assignor of three-sixteenths to Ralph V. Anderson, Bakersfield, Calif.

Application April 12, 1939, Serial No. 267,360

6 Claims. (Cl. 156—17)



1. In a Venetian blind of the character described, the combination of: an upper blind section comprising a plurality of horizontal blades; upper suspension tapes extending vertically across the edges of said blades and supporting said blades; a lower blind section below said upper blind section comprising a plurality of horizontal lower blades; lower suspension tapes extending vertically across the edges of said lower blades and supporting the same; connector plates connected to the upper ends of said suspension tapes; outer rotary means disposed at the upper edge of said upper blind section and being connected to the upper ends of said upper suspension tapes so that rotation of said rotary means will move said upper suspension tapes in opposite direction; inner rotary means disposed within said outer rotary means; and suspension members extending downward from said inner rotary means under said upper suspension tapes and having the lower ends thereof connected to said connector plates so that rotation of said inner rotary means will be transmitted through said suspension member to said lower suspension tapes to move the same in opposite directions.

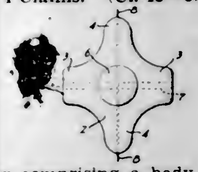
2,237,540

SINKER

Frank Asprer, Oakland, Calif.

Application December 19, 1939, Serial No. 309,987

4 Claims. (Cl. 43—52)



1. A sinker comprising a body weight having lobes projecting from the sides thereof and a bore opening out on two of said lobes, and a fastening eye on another lobe.

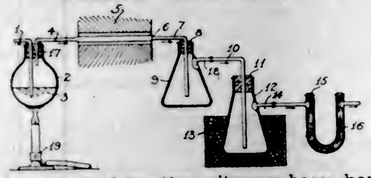
2,237,541

PYROLYSIS OF NITROGEN BASES

James R. Bailey and Raymond Mahan, Austin, Tex., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application June 26, 1937, Serial No. 150,637

2 Claims. (Cl. 260—290)



1. A method of treating nitrogen bases having the general formula $C_{16}H_{25}N$ and derived from petroleum distillates, which comprises conducting the vapors of said bases at a temperature of about 700° C. over a contact mass composed of complex salts of oxides of aluminum and silicon, collecting the products of reaction, and recovering pyridines therefrom.

2,237,542

QUINOLINE COMPOUNDS

James R. Bailey and Carrol L. Key, Austin, Tex., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application August 27, 1937, Serial No. 161,278

6 Claims. (Cl. 260—283)

1. 2,3-dimethyl-8-ethylquinoline.

2,237,543

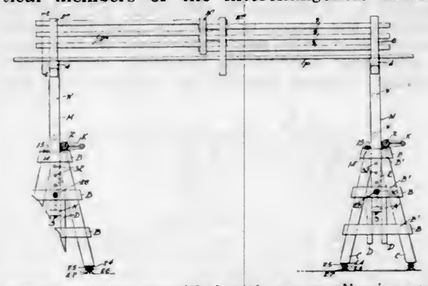
ADJUSTABLE EXTENSION SCAFFOLD TRESTLE WITH GUARD RAIL

Hubert C. Berchem and John P. Schneider, St. Paul, Minn.

Application January 29, 1940, Serial No. 316,204

3 Claims. (Cl. 304—7)

1. An adjustable trestle comprising a rigid scaffold horse supporting a series of vertical side rail guides, an interchangeable elevatable trestle unit slidable within said side rail guides, a winch secured atop said rigid scaffold horse, a series of lifting cables secured to the winch and to the interchangeable liftable unit, a series of locking members secured in the vertical members of the interchangeable liftable unit, and a hinged locking strip provided with positioned locking dogs cooperating with the locking strip within the vertical members of the interchangeable liftable



trestle unit top provided with a non-slipping surface member, and a series of reversible staging holding dogs extending down therethrough and into said interchangeable liftable trestle unit top member.

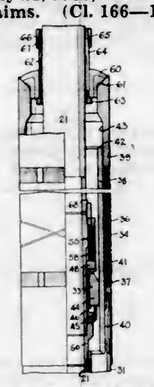
2,237,544

COLLAPSING TOOL SEAL

Harold C. Block, Houston, Tex., assignor to Leslie A. Layne, Houston, Tex.

Application May 21, 1938, Serial No. 209,155

14 Claims. (Cl. 166—10)



1. In a well bottom assembly the combination of a collapsible packer, a collapsing tool for collapsing the packer, a string of pipe operatively connected with said tool, a member on the pipe to close the top of the assembly around the pipe against the inflow of material prior to setting said assembly, and another expansible member on the pipe to seal the top of the assembly against fluid leakage during and after the setting of the packer.

2,237,545

FLOOR DRAIN

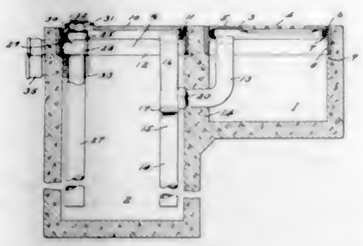
Edward W. N. Boosey, Detroit, Mich.

Application November 3, 1937, Serial No. 172,574

8 Claims. (Cl. 210—56)

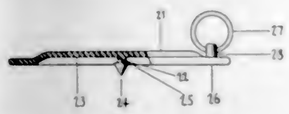
1. In a floor drain, a drain head providing a receiving chamber for sewage containing oil and water, a sump, a conduit leading from the drain head and discharging to the sump below the normal water level in the sump and drain head whereby, as the drain head is flushed, floating oil is first discharged to the sump and then mixed oil and water, an oil separator means in the sump

to which the outlet conduit from the drain head discharges, said separator member being constructed to permit oil to pass upwardly in the separator and the water, oils and greases of greater specific gravity tending to pass downwardly to discharge to the sump adjacent the bottom, the upper end of the separator terminating above the flow water level in the sump, a discharge conduit for the sump comprising a tubular element opening to adjacent the bot-



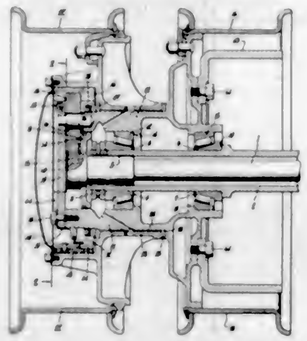
tom of the sump and extending upwardly therefrom, an outlet for the upper end of the said discharge conduit positioned to discharge water from the sump at a point below the normal water level, means associated with the outlet for determining the normal and the flow water level in the sump, and a vent common to the sump and to the outlet conduit whereby gases may be discharged from the sump and siphonage of the sump prevented.

2,237,546
INTERLOCKING SINK STOPPER
Edward Butt, Brooklyn, N. Y.
Application February 1, 1940, Serial No. 316,751
1 Claim. (Cl. 4—293)



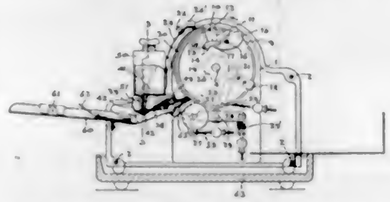
In an interlocking stopper for sealing the drain holes in a sink drain plate having a central drain hole, comprising a one-piece inverted dish-shaped rubber body having an annular normally flat sealing flange and an interlocking extension made of rubber, said extension being positioned centrally of said flange, said extension comprising an enlarged conical end portion having a base larger than said central drain hole, said conical end portion extending sufficiently below said sealing flange to extend into said central drain hole, the base of said conical end portion being in spaced relation below the inner face of said dish-shaped rubber body a distance greater than the thickness of said drain plate, said conical end portion after insertion into said central drain hole being movable downwardly to bring its base below the lower surface of said drain plate, the upper portion of said dish-shaped rubber body being flexible and adapted to react in an upward direction after said downward movement, said upward reaction causing said stopper and drain plate to come into unitary relation by positive interlocking engagement between said extension base and the lower face of said drain plate.

2,237,547
DUAL WHEEL VEHICLE
Joseph P. Castellano, Brooklyn, N. Y., assignor to Differential Wheel Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1938, Serial No. 217,186
3 Claims. (Cl. 180—22)



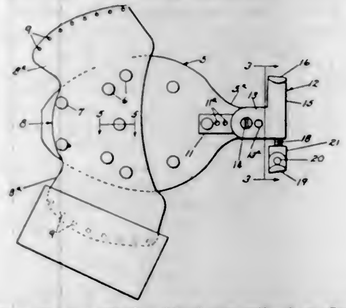
2. A vehicular dual wheel assembly including in combination a driving shaft, two wheels mounted on the shaft and capable of independent rotation, connections from the shaft for positively driving one of said wheels, a brake mechanism, a member moved by application of the brake with the vehicle in motion and means actuated by said member for connecting the driven wheel and the other wheel when the brake is applied.

2,237,548
DUPLICATING MACHINE
Robert J. Copeland, Toronto, Ontario, and Ernest J. Bloore, Brampton, Ontario, Canada; said Bloore assignor to said Copeland
Application March 29, 1940, Serial No. 326,706
9 Claims. (Cl. 101—132.5)



1. A duplicating machine comprising a frame, a master sheet holding cylinder mounted in said frame, a pressure roller adapted to engage the surface of said cylinder, means for directing sheets to be printed between said cylinder and roller, a tray for feeding the sheets to the cylinder having an upwardly inclined inner end, a pivotal plate arranged at the inward end of said tray and forming a sheet-guiding continuation of the latter, a tray spaced above the aforesaid tray presenting a moisture-receiving depression at its lowermost point and inclined upwardly from the moisture-receiving depression toward the cylinder, a moistening pad supported from said upper tray, means for feeding moistening fluid to said pad from the said moisture-receiving depression, and means for periodically moving said pivotal plate into pressure relation with said moistening pad.

2,237,549
ANTISKID ATTACHMENT FOR SHOES
Ross L. Cox, Kingsville, Tex.
Application July 25, 1940, Serial No. 347,386
2 Claims. (Cl. 36—7.7)



1. In a device of the kind described, a flexible sole plate having a tongue extended rearwardly, a reinforcement strip on the tongue, both the tongue and strip being pierced by a series of adjustment holes, a sole clamp including laterally arranged claws for engaging the sole of a shoe, means for closing the claws upon the sole and a forwardly extending tongue overlying the rearwardly extending tongue of the sole plate, said tongue being pierced with holes for alignment with the holes of the sole plate, and a bolt passed through such aligned holes.

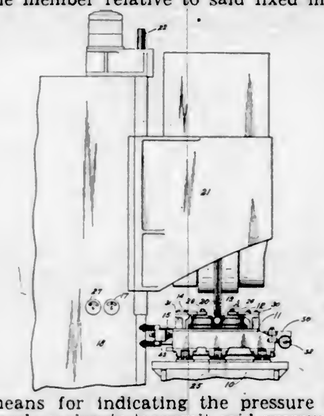
2,237,550
INSIDE FLASH CUTTER
Frederic M. Darner, Shaker Heights, Ohio, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application January 24, 1939, Serial No. 252,631
11 Claims. (Cl. 90—24)



1. In an inside flash cutter of the type described, the combination of a frame, means for supporting said frame within a tubular article having a flash to be cut, a tool carrier pivotally supported by said frame, a cutting tool on said carrier on one side of the pivotal support therefor, and a gauge member on said carrier on the same side of the pivotal support but further removed therefrom than said tool, said tool having a cutting edge formed to tend to dig into the wall of the tubular article and said gauge member being adapted to engage the wall of said tubular article to limit the depth of cut of said tool.

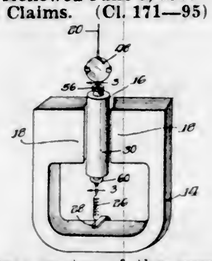
2,237,551
WELDING MACHINE
Frederic M. Darner, Shaker Heights, Ohio, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application March 21, 1939, Serial No. 263,154
8 Claims. (Cl. 219—6)

4. In a continuous tube welding machine the combination of opposed welding rolls, means to propel a tube blank axially between and in contact with said rolls, a fixed member, means carrying at least one of said welding rolls and movable toward and away from said fixed member, electrode rolls engageable with and applying pressure to said blank tending to move said movable member relative to said fixed member,



and means for indicating the pressure so applied, and serving to transmit said pressure from said movable member to said fixed member.

2,237,552
GALVANOMETER
Francis C. Ellis, Chicago, Ill.
Application August 21, 1937, Serial No. 160,282
Renewed June 8, 1939
4 Claims. (Cl. 171—95)



1. In a galvanometer of the suspension type, a frame, a galvanometer coil unit suspended from said frame, opposed cones arranged on the upper and lower surfaces of said coil unit and centered on the vertical axis thereof, an upper ring bracket mounted rigidly on the frame, a lower ring bracket adapted to engage the lower cone, said lower ring bracket being mounted in a slide for movement in an accurately controlled path, resilient means normally urging the lower ring bracket into contact with the lower cone member, and a relatively long control lever operatively connected with said bracket to permit actuation thereof against the tension of said resilient means.

2,237,553
CONTAINER
Antonio Giammanco, Chicago, Ill.
Application July 2, 1938, Serial No. 217,193
5 Claims. (Cl. 220—61)

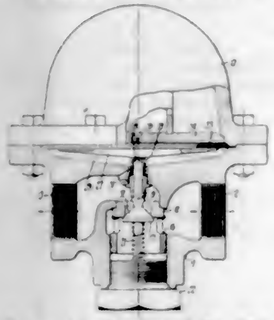
1. In a container, a container body formed with an outwardly flanged rim, a cover therefor having an upstanding marginal flange formed with an outwardly flanged rim overlying the flanged rim of the container body, and a ring having an inverted, substantially U shaped cross section and straddling the cover flange, the outer side member of the ring being clenched un-

der and against the flanged rim of the container body and the inner side member of the ring having a laterally offset part at its edge portion and a slot adjacent said offset part, through which slot a tool may be introduced and engaged with



the rear face of the offset part of the edge portion of the inner side member of the ring, the U-bend of the ring acting as a fulcrum for the tool in prying up the adjacent part of the inner member of the ring.

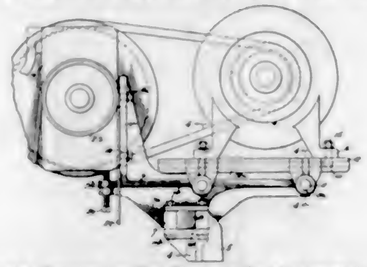
2,237,554
VALVE CONSTRUCTION
Marvin H. Grove, Berkeley, Calif.
Application July 5, 1938, Serial No. 217,422
3 Claims. (Cl. 251—27)



1. In a flow control valve of the type in which an annular valve disc engages an annular valve seat, with linear movement of the disc in opposite directions relative to the seat to open and close the valve, the disc being disposed on the inflow side of the seat and there being an operating stem disposed axially on the outflow side of the seat and operatively connected to the valve disc; the improvement comprising providing an extension on the outflow side of the disc and axially aligned therewith, the extension being tapered toward the outflow side of the seat, and a portion extending from the smaller end of said extension and flared toward the outlet side of the seat, said flared portion being disposed to act upon fluid flow through said valve seat to cooperate in directing flow of fluid through the valve, the diameter of the flared portion being substantially greater than the diameter of the stem and substantially less than the diameter of the opening through the seat, whereby flow through the seat is not substantially obstructed by said flared portion when the disc is in full open position relative to the seat.

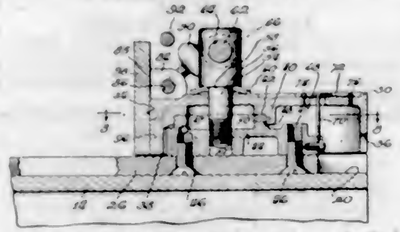
2,237,555
DRIVE UNIT MOUNTING
Arthur N. Haskell, Detroit, Mich.
Application May 15, 1940, Serial No. 335,374
9 Claims. (Cl. 74—242.13)

1. An arrangement of the character described comprising a bracket for attachment to the frame of a machine, the latter having a spindle with at least one pulley thereon, a longitudinally adjustable bar parallel with the axis of said spindle supported by the bracket, carrier means on the bar, a gear box supported by the carrier means



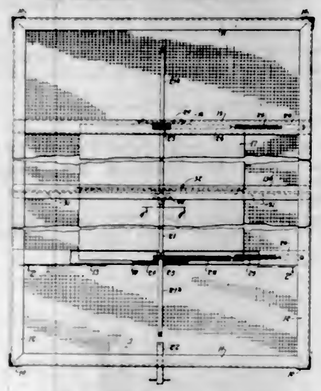
having a driving pulley thereon in alignment with the first named pulley and a driven means thereon, rail mounting means supported by the carrier means, rails mounted thereon, and a motor supported by said rails, said motor having a driving means cooperable with said driven means.

2,237,556
MITER GAUGE
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application February 27, 1939, Serial No. 258,668
2 Claims. (Cl. 143—169)



1. A miter gauge comprising a bar adapted to slide longitudinally in a saw table slot, an upstanding member secured near one end of the bar and providing upstanding concentric cylindrical and annular surfaces, the central portion of said member having a threaded hole concentric with said cylindrical surface, a hollow head positioned above said member, a face plate seat on the head, a post projecting downwardly from within said head and providing a seat complementary to the annular and cylindrical surfaces to support the head on the upstanding member in free rotational engagement therewith, a pair of vertical wings extending substantially radially from said post and having horizontal threaded openings therethrough, adjustable stop members threaded in the threaded openings and adapted selectively to abut a portion of said upstanding member when said head is in certain positions relative to said bar, the head having a vertical aperture therethrough axially aligned with the threaded hole, and a clamp screw extending through the last said vertical aperture and threaded in the threaded hole to clamp the head to the upstanding member, the head having a depending peripheral skirt generally semi-cylindrical and terminating in the face plate seat, the skirt being adapted to extend down into close proximity to the plane of the table and, together with the plate and other portions of the head, enclosing the wings and their adjustable stop members.

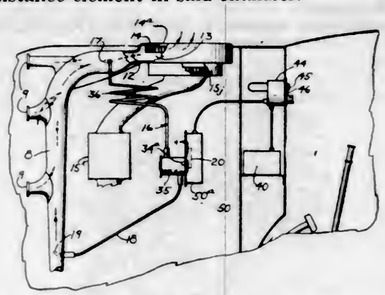
2,237,557
HOVER RAISING AND LOWERING DEVICE FOR BATTERY BROODERS
Adolph R. Hoeft, Evanston, Ill., assignor to Bell and Gossett Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1938, Serial No. 237,601
12 Claims. (Cl. 119—31)



1. A brooder including a deck and horizontal frame members above said deck, a hover arranged above said deck for a raising and lowering movement toward and away from said deck, coacting guiding means on said frame members and on said hover respectively, means for imparting movement to said hover and including a member rotatably mounted in at least one of said frame members, a flexible member trained about said rotatably mounted member and connected at one end to the hover, means arranged substantially parallel throughout its length with said one of said frame members and to which the other end of said flexible member is operatively connected to take up the slack therein, and means for holding the hover in the desired position with respect to the deck.

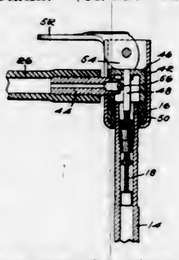
2,237,558
AIRCRAFT EXHAUST-GAS TESTING APPARATUS
Ulric O. Hutton, New Castle, N. Y., assignor to Cambridge Instrument Company, Inc., Ossining, N. Y., a corporation of New York
Application October 22, 1937, Serial No. 170,404
10 Claims. (Cl. 73—51)

1. The combination with an aircraft engine having an exhaust channel, of an enclosure containing a reference gas, a test chamber disposed at a point lower than a point in said channel, a conduit arranged to receive exhaust gas from said channel at the last-mentioned point and extending to said chamber and providing a conduit portion which extends substantially continuously downwardly from a point in said conduit to a point in proximity to said chamber and which is of sufficient extent to exert a condensing effect upon gases passing therethru, a return conduit extending substantially continuously downwardly from a low point in the aforesaid conduit beyond said condenser portion and in advance of said chamber to a lower point in said channel and arranged for the discharge of exhaust gas and of condensed water into said channel, and electrical measuring means comprising a resistance element in said enclosure and a resistance element in said chamber.



7. In a gas testing apparatus, in combination, a test cell, a thermally responsive resistance element in said test cell, a reference cell, a thermally responsive resistance element in said reference cell, a Wheatstone bridge including said resistance elements in adjacent arms thereof, an electrical circuit including said bridge, means providing an alternate current-path around a portion of said circuit which portion includes said bridge, said alternate path-providing means including resistance means, and said alternate path-providing means having such relative ohmic resistance with respect to the ohmic resistance of said portion and said resistance means and said alternate path-providing means having a thermal coefficient of resistance sufficiently higher than the thermal coefficient of resistance of said portion that substantially all the effect on said bridge of temperature variations within a range of from 30 degrees Fahrenheit to 100 degrees Fahrenheit at the point of measurement will be eliminated, means to maintain said bridge and said resistance means subject to substantially the same ambient temperature, current-supply means for said circuit, and means connected in said circuit to maintain substantially constant the current supplied by said current-supply means.

2,237,559
INFLATING DEVICE
Aldred A. Jenne, Topsfield, Mass.
Application January 24, 1940, Serial No. 315,401
1 Claim. (Cl. 152—415)



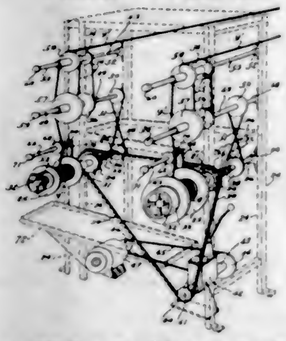
An inflating device for tires having spring valves, which comprises a flexible rubber conduit, a lock nozzle secured to the end of the conduit, a pin disposed in said nozzle for depressing and opening the tire valve, and a ball check disposed in said nozzle and retained therein by the pin, said check valve requiring less opening pressure than the tire valve.

2,237,560

WIRE WINDING MACHINE

Maurice Johnson and Louis Jerome Smith, Anoka, Minn., assignors to The Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota

Application August 28, 1939, Serial No. 292,198
5 Claims. (Cl. 242—25)



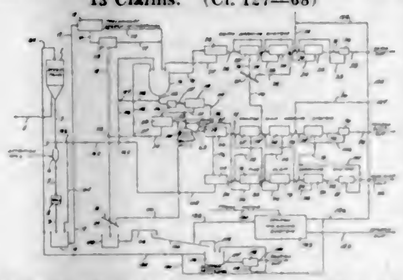
1. In a winding machine, a receiving spool, means for rotating said spool, and a wire-guiding wheel adjacent said spool mounted to rotate and to move laterally on an axis extended approximately parallel to the axis of said spool, a second wheel guiding shaft extended parallel to said first noted guide shaft and to the axis of the spool, a presser wheel mounted to rotate and slide laterally on said second guide shaft and to engage the wire at a point between said first noted guide wheel and said spool, and a support for said second guide shaft under yielding strain to press said guide wheel against said wire and to press said wire toward said spool the pressure wheel on said second guide shaft being free for lateral sliding movements independently of the support thereof and of the first noted guide wheel.

2,237,561

SYSTEM FOR MAKING STARCH AND STARCH PRODUCTS

Philo R. King, Webster Groves, Mo., and Russell D. Baker, Alton, Ill., assignors to Union Starch and Refining Company, Columbus, Ind., a corporation of Indiana

Application November 29, 1937, Serial No. 177,030
13 Claims. (Cl. 127—68)



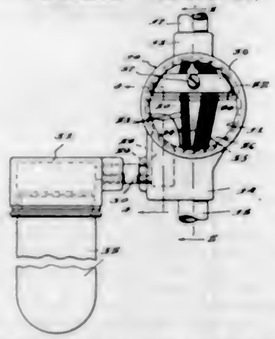
5. In a method of making starch and grain products, the steps of disintegrating the grain to liberate the germs therein in the presence of starch milk, directing additional starch milk to the mass to cause a substantial portion of the starch and gluten freed from the kernel in the disintegrating operation to go into suspension, directing the mass through screens through which the starch milk passes and is removed, directing the remaining mass to a germ separator to remove the germs by flotation, screening the germs thus separated and directing the starch milk therefrom back to the separator to add volume thereto; withdrawing the remaining mass from the separator, grinding the contained grits therein whereby they go into suspension as starch milk, screening the same in intermediate screens to separate the said starch milk, grinding the mass from the intermediate screens to make slops, washing said slops, directing part of the heavy starch milk from the intermediate screens to the germ separator, removing the balance from the system, and directing the starch milk from the slop washing systems to the germ separator, the first disintegrating mill, and to the preliminary screens.

2,237,562

TRAP SEAL FOR ELECTRIC CONDUIT LINES

Charles Knox, Jr., Norwood, Pa., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application September 9, 1939, Serial No. 294,172
4 Claims. (Cl. 174—17)



1. A trap seal for an electric conduit line having electrical conductors arranged therein comprising a housing having a work opening in the top side thereof and a detachable closure for said opening, a partition arranged in the housing and extending outwardly from the bottom wall thereof toward said closure, said partition also extending transversely of the housing and dividing the same into an entrance compartment and an outlet compartment, said housing being also formed with a conduit receiving passage for each of said compartments, and a drain passage for said entrance compartment to permit the discharge of moisture collected therein, and means arranged in said entrance compartment and operable to maintain the conductors in said compartment in drip-loop formation with the drip-loop arranged intermediate the bottom wall of the housing and the outer edge of said partition.

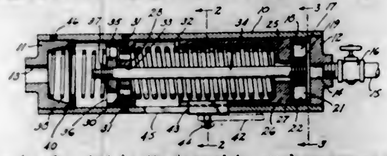
2,237,563

FLUID MOTOR

Max Kraut, San Francisco, Calif.

Application July 14, 1939, Serial No. 284,514
5 Claims. (Cl. 121—123)

1. A reciprocating fluid motor comprising: a movable wall adapted to be acted upon by fluid under pressure to move said wall, said wall having a fluid passage therethrough; a spring resisting movement of said wall by said fluid; a valve element adapted to close said fluid passage and to be urged toward closed position by action of fluid pressure thereon; means including a rod attached to said valve element and extending through said fluid passage and a guide member attached to said rod; an adjustable stop adapted to be engaged by said means at a predetermined point in its travel in such manner that continued motion of said movable wall opens said fluid passage; and a spring acting on said means independently of said piston and resisting movement of said valve element by said fluid throughout the entire stroke thereof.

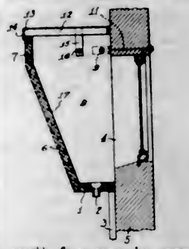


2,237,564

AREAWAY CONSTRUCTION

Hugh T. Keyes, Detroit, Mich.

Application July 11, 1938, Serial No. 218,556
1 Claim. (Cl. 72—0.5)



An areaway unit for use in conjunction with a building wall having a sub-grade window opening and comprising, a pre-cast concrete member having integral side, rear and bottom sections of predetermined thickness and defining a space therebetween, said side and bottom sections defining at their front edges an opening larger than said subgrade window opening, said front edge of said side sections abutting said building wall at locations spaced laterally of and outside said subgrade window openings, a pair of brackets secured to portions of said side sections above the midpoints of said vertical side sections and cooperable under the force of the weight of said member with anchoring means carried on the building wall laterally of the window opening for removably holding said concrete member in abutting engagement with the outer face of the building wall beyond the opposite edges of the sub-grade window opening therein, a section of grating positioned over said horizontal wall in abutting engagement with the building wall and having a marginal flange overlappingly engaging the outer faces of said side and rear sections, and a plurality of holders removably interconnecting said grating section and said side sections for holding the former in place with respect to the latter.

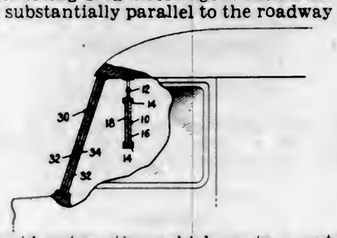
2,237,565

APPARATUS FOR USE IN ANTIGLARE DEVICES EMPLOYING POLARIZED LIGHT

Edwin H. Land, Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application December 15, 1937, Serial No. 179,833
7 Claims. (Cl. 88—65)

1. In a viewing device for use in automotive vehicles and the like equipped with a windshield comprising birefringent means, in combination, means comprising a light polarizing element and a second birefringent means interposed between the windshield and the polarizing element, the sum of the birefringence of the birefringent means of said windshield and said second birefringent means imparting to a beam of polarized light traversing said birefringent means in a direction substantially parallel to the roadway upon



which said automotive vehicle rests, a retardation of

$$\frac{n}{4}$$

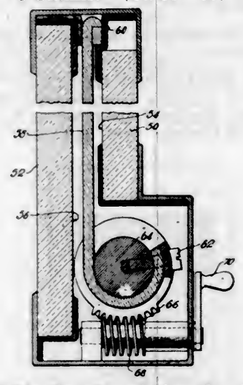
wave lengths, n being 0, 1, 2, 3 . . . , and mounting means for positioning said light-polarizing element and said second birefringent means between the windshield and the driver of the vehicle.

2,237,566

VARIABLE DENSITY WINDOW

Edwin H. Land, Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application November 10, 1938, Serial No. 239,796
5 Claims. (Cl. 88—65)



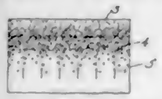
1. A variable density window for illumination purposes comprising, in combination, frame means providing a window aperture of substantial area, a plurality of sheet-like, light-polarizing elements at least of substantially the same area as said aperture, means for mounting said elements in substantially parallel relation within said frame, a sheet of light-transmitting, resilient material at least of substantially the same area as said aperture adapted when subjected to a predetermined stress to function as a half-wave retardation device, means for mounting said sheet between and overlying said polarizing elements, and releasable means for subjecting said material to said predetermined stress to vary the amount of light transmitted by said window.

2,237,567
LIGHT POLARIZER AND PROCESS OF MANUFACTURING THE SAME
Edwin H. Land, Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application May 4, 1939, Serial No. 271,815
18 Claims. (Cl. 88—65)



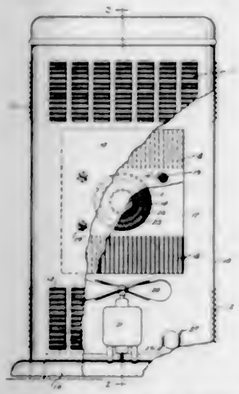
1. A light polarizer consisting of a sorption complex of a dichroic stain on molecularly oriented solid polyvinyl alcohol.

2,237,568
METHOD OF INTEGRATING PAPER TISSUE ON PAPER OR OTHER POROUS MATERIALS
Colin Landin, Washington, D. C.
Application December 22, 1938, Serial No. 247,304
1 Claim. (Cl. 154—2)



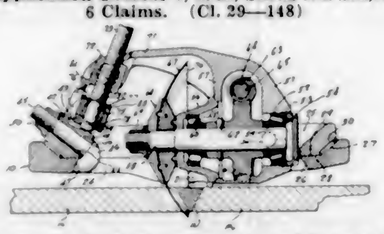
The method which comprises coating paper tissue with a gelatinous solution, effecting the opening of the structure of the coated tissue by drying under bi-directional restraint, placing the tissue upon a porous surface, and wetting the tissue from above.

2,237,569
INDUCTION HEATER
Einar G. Lofgren, Minneapolis, Minn.
Application August 3, 1940, Serial No. 350,555
10 Claims. (Cl. 219—47)



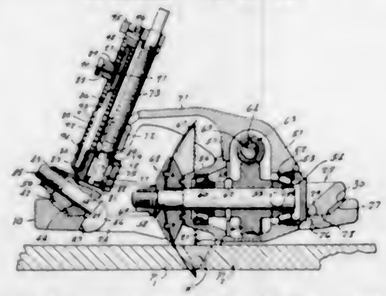
1. In a heater of the kind described, a magnetic core having extended end flanges, a coil wound on said core, and radiating plates connected to and supported by said extended flanges whereby under alternating current applied to said coil, said radiating plates will be subjected to the produced magnetic flux.

2,237,570
METHOD OF PROBING A WELD
Edmond B. Maillart, Philadelphia, Pa., assignor to Frederick M. Bowers, Chester, Pa.
Application October 7, 1938, Serial No. 233,762
6 Claims. (Cl. 29—148)



1. The method of removing a solid boat-shaped specimen from a weld which comprises anchoring guiding means to plates joined by a welded joint, and then cutting out the solid boat-shaped specimen from said welded joint at the same time guiding the cutting operations from said guiding means.

2,237,571
WELD PROBING APPARATUS
Edmond B. Maillart, Philadelphia, Pa., assignor to Frederick M. Bowers, Chester, Pa.
Application October 19, 1939, Serial No. 300,163
19 Claims. (Cl. 29—69)

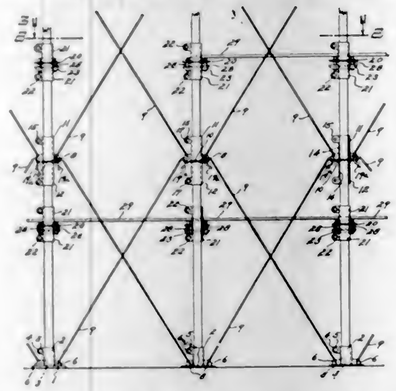


1. Weld probing apparatus of the character described comprising a concavo-convex saw, power means for driving said saw, and mechanism for yieldably feeding said saw to the work which is to be cut.

2,237,572
KNOCKDOWN SCAFFOLD STRUCTURE
Joseph F. Manion, Detroit, Mich.
Application February 10, 1940, Serial No. 318,307
9 Claims. (Cl. 304—2)

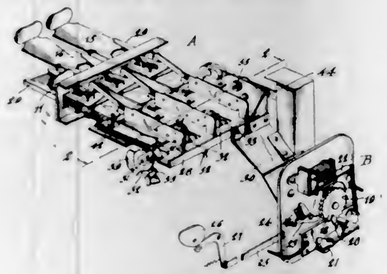
1. In a knockdown scaffold structure, a series of uprights arranged in forward and rear rows and adapted to be mounted adjacent a building wall, a series of cross braces connecting the uprights of the forward row and a series of cross braces connecting the uprights of the rear row, an adjustable bracket mounted on each upright and adjustable vertically thereof, each adjustable bracket being provided with a pair of vertically spaced apertured plates, a series of transverse truss members connecting the adjustable brackets and having depending ends insertable through the apertures in said plates and connecting the forward and rear rows of uprights, a series of floor boards positioned on the transverse brackets, the space between the forward and rear rows of uprights above the floor boards being clear to

prevent interference with the workmen walking on the floor boards, a series of toe board brackets having depending ends extending through the apertured plates of the adjustable brackets and



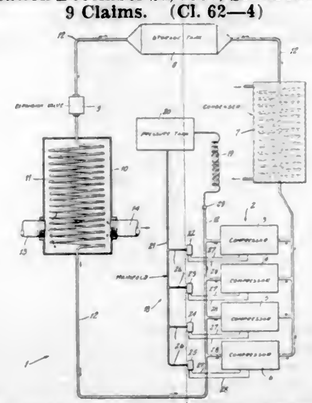
extending toward the building wall and a series of toe boards positioned on the tow board brackets to allow the workmen to work close to the building wall.

2,237,573
COIN CONTROLLED MECHANISM
Fred H. Osborne, Snyder, and Frank L. McCormick, North Tonawanda, N. Y., assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application September 7, 1937, Serial No. 162,638
3 Claims. (Cl. 74—128)



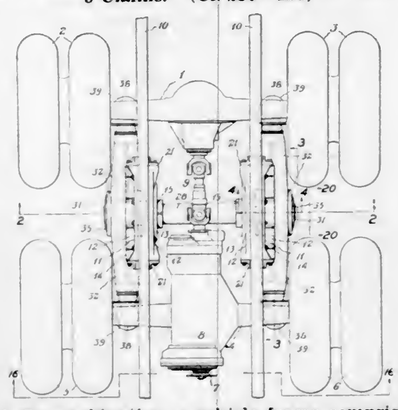
1. A device of the character described, comprising an advancing slide, a shaft having means thereon for controlling a part to be actuated, a ratchet wheel fixed on said shaft, a power-transmitting yoke pivotally mounted on said shaft and carrying a feed pawl in operative engagement with said ratchet wheel for transmitting motion to said shaft, an energy-storing element connected to said yoke for urging it in a direction to transmit motion to the shaft through the medium of the feed pawl and ratchet, and a trip member in normal coupling engagement with said yoke and disposed in the path of an operative movement of said slide for shifting said yoke and its pawl to a given pre-set position relative to the ratchet wheel, said trip member being released at a predetermined time in the advancing stroke of the slide to render the power-yoke operative to transmit a predetermined degree of motion to said shaft.

2,237,574
CONTROL SYSTEM
Lawrence M. Persons, St. Louis County, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application December 24, 1937, Serial No. 181,648
9 Claims. (Cl. 62—4)



1. In combination, a refrigeration system including a plurality of compressors and a cooling medium line containing cooling medium, and a control comprising a plurality of pressure switches, means operatively connecting said pressure switches to the said cooling medium line, means electrically connecting said switches to said compressors, and means connected in said first means for preventing sudden pressure changes within the said pressure line from being immediately conveyed to said switches.

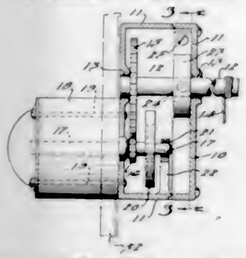
2,237,575
RESILIENT TORSION SPRING SUSPENSION
Orpheus F. Quartullo, Shaker Heights, Ohio
Application December 31, 1937, Serial No. 182,777
3 Claims. (Cl. 280—124)



1. In combination, a vehicle frame comprising trunnion elements at each side thereof, a pair of rigid beams oscillatorily mounted intermediately of their ends on remote ends of said trunnion elements, said beams having bores enveloping said trunnion elements in spaced relation therearound, annular rubber torsion bushings interposed between said beams and trunnion elements and adapted to yield in unison with any deflection strains imparted to ends of said beams

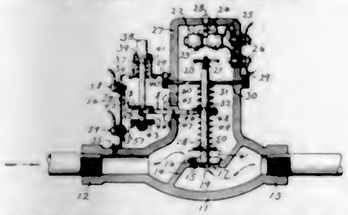
and axle structures having a ball and socket connection each with corresponding ends of said beams.

2,237,576
DOOR CLOSER
Leo Rakoczy, Detroit, Mich.
Application October 7, 1940, Serial No. 359,996
2 Claims. (Cl. 16—49)



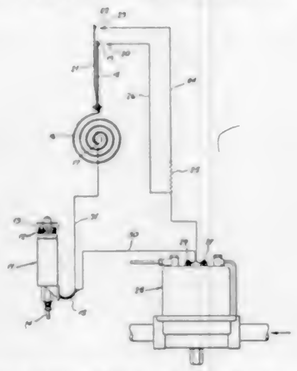
1. A power unit for closing automotive vehicle doors comprising a winding shaft serving as a drum for winding a cable connected to a vehicle door, a relatively high speed motor having less than sufficient power to close a vehicle door geared to said slow speed shaft, booster spring means on said winding shaft normally unwound when said door is closed and wound when said door is opened capable of supplying the deficiency in power of said motor for closing said door when said motor is energized, and a flywheel on said motor for maintaining the inertia thereof when and as the effect of the power booster means becomes decreased as the said door approaches its closed position.

2,237,577
MANUAL RESET VALVE
William A. Ray, Glendale, Calif.
Application June 28, 1938, Serial No. 216,256
4 Claims. (Cl. 158—117.1)



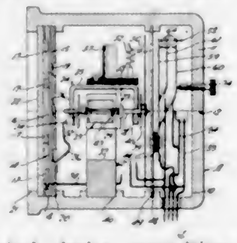
1. A fluid control valve comprising, in combination, a valve port, a valve member cooperable with said port to control fluid flow therethrough, an armature connected to said valve member, electromagnetic means cooperable with said armature by contact therewith for holding said valve member in open position, a source of current for said electromagnetic means, means for resetting said valve member to open position and said armature into contact with said electromagnetic means, means for returning said resetting means to normal position after resetting, means associated with said resetting means for completing an electric circuit on return of said resetting means to normal position, and means for returning said valve member to closed position and for holding said circuit completing means inoperable, said last-named holding means being ineffective when said valve member is held in open position by said electromagnetic means.

2,237,578
CONTROL CIRCUIT
William A. Ray, Glendale, Calif.
Application October 21, 1938, Serial No. 236,258
4 Claims. (Cl. 236—75)



1. In a system wherein a condition changing device is controlled by an electromagnet comprising an armature movable between two controlling positions and biased to one of said positions, a predetermined amount of current operating said armature into the other of said positions and a predetermined less amount of current sufficing then to retain said armature in that position against said bias; the combination therewith of a source of electrical energy; an electrical impedance; a member subjected to, and movable in response to change in, said condition; resilient means connected to said movable member so as to move therewith; first switching means operable by movement of said resilient means; and second switching means operable by movement of said movable member; said first switching means being effective to interconnect said source, said electromagnet, and said impedance upon initial movement of said movable member in one direction; said second switching means being effective to shunt said impedance upon further movement of said movable member in said one direction, whereby said armature is operated into said other position; said impedance having a value such that, when said impedance is again introduced into circuit by subsequent movement of said movable member in the opposite direction, said armature is retained in said other position.

2,237,579
LIGHT-SENSITIVE RELAY SYSTEM
Adolph Ronning, Minneapolis, Minn.
Application July 1, 1938, Serial No. 216,984
8 Claims. (Cl. 250—41.5)



7. A control device comprising a thermal

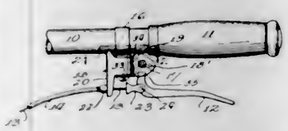
switch, means for directing a concentrated beam of radiant heat upon the switch, a wall insulating and isolating the heat means and relay but having an opening to pass said heat beam, a shutter device movable across said opening and spring set to normally close the opening, an electrically energized means for adjusting the shutter device, and a self generating light sensitive device for energizing and controlling the said shutter adjusting means.

2,237,580
EDGING
Wade E. Sackner, Grand Rapids, Mich., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich.
Application July 24, 1939, Serial No. 286,185
4 Claims. (Cl. 155—184)



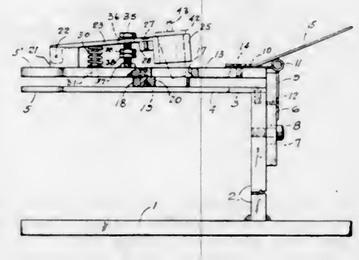
2. An edging comprising a central round core of tissue paper, a shallow covering pad of soft cellulose tissue wadding embracing and substantially covering said core, and a fabric cover embracing said core and pad.

2,237,581
BRAKE LEVER FOR BICYCLES
Frank W. Schwinn, Chicago, Ill.
Application March 6, 1940, Serial No. 322,442
1 Claim. (Cl. 74—489)



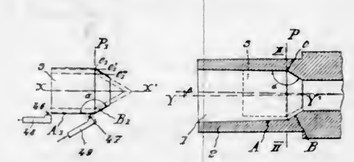
A mounting for the handle of a brake lever or the like upon a handle bar, comprising a U-shaped body having a forward web and rearwardly extending legs, a pivot extending between the legs near their rearward ends for pivotally mounting the lever therebetween, means near the bottom of the webbed portion for mounting the end of a Bowden tube, the wire of which is connected to the lever, the upper end of the body being curved to press against the handle bar, a stirrup for encircling the handle bar and having spaced legs extending into the body between its legs and intermediate its forward web and said pivot, the legs of said stirrup being formed with aligned slots for receiving a nut, the metal at the lower edge of each slot being inturned to form a ledge upon which said nut rests, an upwardly extending screw threaded into the nut, a generally rectangular washer through which the shank of the screw passes, the bottom edges of the rearwardly extending legs of the U-shaped body being formed with shoulders with which said rectangular washer engages to prevent its rotation, said washer affording purchase for the head of the screw whereby, when the screw is threaded into the nut, the stirrup is pulled into the mounting body and the mounting body is pulled against the side of the handle bar.

2,237,582
APPARATUS FOR MARKING RUBBER ARTICLES
Emerson Sterling Smith, Ravenna, Ohio
Application August 9, 1939, Serial No. 289,226
6 Claims. (Cl. 101—10)



3. In an apparatus for branding rubber articles or the like, comprising, an upright, a mandrel affixed thereon for holding the article to be branded, a support connected to said upright, a branding iron, guide means secured to said support for retaining said article immovably on said mandrel, said guide means receiving the branding iron and directing it towards the article and means for limiting the depth to which the branding iron is embedded in the article.

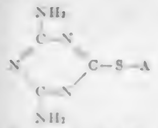
2,237,583
MACHINE TOOL
Marc Birkigt, Versoix, near Geneva, Switzerland
Application December 28, 1938, Serial No. 248,136
In France August 17, 1938
7 Claims. (Cl. 51—50)



1. A machine for rectifying surfaces of revolution, which comprises, in combination, a grinding wheel having the form of a body of revolution about an axis and having at least two surfaces the generatrices of which are arranged at an angle to one another and which meet along a line located in a plane perpendicular to said axis, a support for the piece including corresponding surfaces of revolution to be rectified, a holder for said grinding wheel, means for rotating said holder about the axis of said wheel, means for moving said holder axially between two constant predetermined positions with respect to the support for the piece in one of which said grinding wheel engages the piece, whereby said grinding wheel always reaches the same extreme positions with respect to said support in the axial direction, and means fixed with respect to the support for the piece for reshaping said grinding wheel between two grinding operations thereof in the other of said positions, said means including means arranged to remove such amounts of matter from said surfaces of said wheel that the meeting line of said surfaces of the wheel is always located in the same line with respect to said holder.

2,237,584
HYDROXYALIPHATIC THIOAMMELINE ETHERS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application August 19, 1939, Serial No. 291,012
9 Claims. (Cl. 260—248)

1. A hydroxyaliphatic ether of thioammeline having the formula



wherein A is a member of the class consisting of (1) a saturated aliphatic carbon chain having at least one hydroxyl radical and (2) a saturated aliphatic carbon chain interrupted by oxygen, said chain carrying a hydyroxyl group and having at least two carbon atoms between the sulfur atom and an oxygen atom and between successive oxygen atoms.

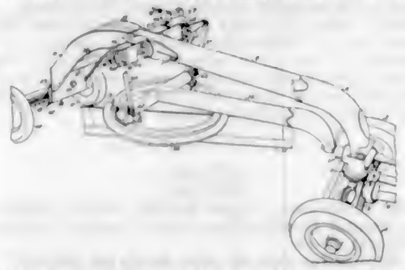
2,237,585
SPRING CUSHION
Walter de Fries, Pittsburgh, Pa., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 18, 1936, Serial No. 96,654
8 Claims. (Cl. 155—179)



2. In a cushion spring assembly, a lower beam-like border frame having an inwardly extending substantially horizontal carrier flange and a web portion extending upwardly at an angle thereto and joined to a retainer flange so constructed and arranged as to provide a hollow bead for the retention of covering material and disposed in a direction opposite to that of the carrier flange with regard to the web, said carrier flange being adapted to support a number of substantially straight spring-supporting cross-bars which are fixed at their extremities thereon, and closure means extending beyond the inner edge of said carrier flange and covering the area bounded thereby.

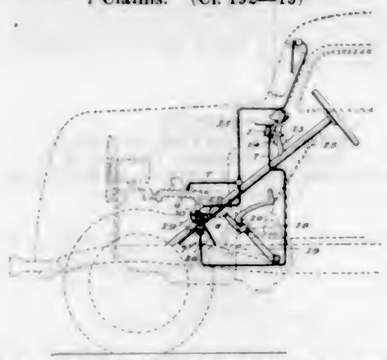
2,237,586
ROAD MACHINE
William A. Cost, Indianapolis, and Edgar R. McDonough, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 24, 1940, Serial No. 336,942
13 Claims. (Cl. 37—156)

1. In a road machine, a wheeled rear support; a frame section supportingly connected with said rear support; a tubular reach member extending forwardly from said frame section; said reach member having a rearward portion and said frame section having a forward portion overlapping each other and rigidly secured together to form a reinforced connection between said frame section and reach member; a wheeled front support connected with said reach member forwardly of said reinforced connection; a surface working tool; and supporting means for said



tool including a bracket structure secured to said reinforced connection between said frame section and said reach member.

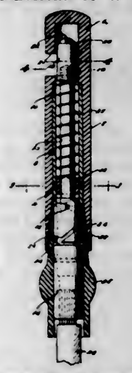
2,237,587
BRAKE RELEASING MECHANISM
Lowndes A. Darsey, Sebring, Fla., assignor of one-half to George T. Whitehouse, Sebring, Fla.
Application July 8, 1940, Serial No. 344,420
7 Claims. (Cl. 192—13)



1. A brake releasing apparatus for motor vehicles having an intake manifold and a trigger released hand set brake comprising vacuum operated means mounted to operate the trigger of said brake, a valve, a pipe connecting said manifold with said valve and said means, a trip arm mounted on said valve, a clutch pedal, a second trip arm secured thereto and cooperating with said first trip arm to open said valve and effect the release of said brake trigger.

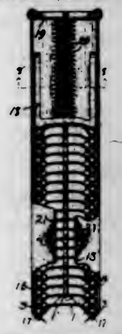
2,237,588
LINE CONNECTOR
George T. De Barbieri, North Adams, Mass.
Application September 19, 1940, Serial No. 357,462
2 Claims. (Cl. 173—273)

1. In a device for transmitting current from one conductor to another, a connector embodying a cylindrical body provided at one end thereof with an intgeral head having a transverse slot for receiving one of the conductors, the other end of said body having a long tapered bore, said integral body and head being formed of insulating material, a barrel detachably secured within said body and extending from a point spaced inwardly from the slot in the body to a point spaced inwardly from that end of the body which has the tapered bore, a guide bushing detachably secured within said barrel, a sectional plunger rod movable longitudinally of said body and barrel through said bushing and provided at one end thereof with a head for clamping said one conductor within said slot, a spring device interposed between said bushing and the head of said plunger rod normally urging said plunger rod in a direction to engage the head thereof with the conductor, said plunger rod having a pin extending laterally therefrom, and said barrel having a spiral slot in that end which is located in the tapered bore in which slot said end of the pin works for causing retraction of said plunger rod incidental to a rotative movement



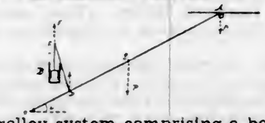
of the latter in one direction relative to said barrel, said barrel at the entrance end to said slot having a keeper notch with which said pin engages for releasably retaining said plunger rod in a retracted position, and a covering of insulating material on the end of the plunger rod remote from said head and serving to provide a manipulating handle, and said insulated handle-forming cover having a tapered end fitting within the tapered bore of said body said tapered end of the cover normally fitting over that end of the barrel which has the spiral slot therein and said cover having its inner end projecting into the tapered bore when the parts are in retracted position.

2,237,589
MAGAZINE FOR SURGICAL LIGATURES
Paul D. Dole, Fort Wayne, Ind., assignor of one-half to Edward H. Kruse, Fort Wayne, Ind.
Application March 6, 1939, Serial No. 260,096
5 Claims. (Cl. 1—56)



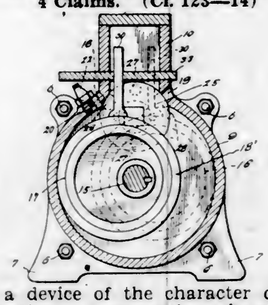
1. A surgical appliance constituted of a magazine including a shell closed at its rear end and having an open front end, said shell having a longitudinal spring-engaging rib projecting upwardly from the top thereof, the sides being so formed as to provide inwardly extending ledges that terminate in downturned flanges that are parallel and spaced apart with respect to each other, said flanges having outwardly sprung portions to provide a finger-hold and stop-engaging shoulders located in their rear portions, the forward end of said shell, contiguous with the top and side walls thereof, having inturned clip-engaging fingers and slots therebetween that partially restrict the front opening of the shell, and a spring-pressed plunger disposed within said shell tending to move forwardly therein, so that a group of nested metallic clips when positioned in said shell between the plunger and said fingers, are adapted to be successively clinched by suitable forceps when said magazine is positioned therein, and said shoulders abut a stop on said forceps.

2,237,590
TROLLEY SYSTEM
Clarence Leon Delachaux, Paris, France
Application August 5, 1939, Serial No. 288,673
In France August 5, 1938
10 Claims. (Cl. 191—67)



1. A trolley system comprising a base, a piston and a cylinder, said piston being fixed for rotation only on said base and said cylinder sliding vertically upon said piston, a trolley pole pivoted on said piston, connecting means for said trolley pole connected to said cylinder and pole in such manner that said connecting means remain substantially vertical when the pole is in normal operating position and means feeding compressed air to the cylinder and means placing said cylinder in communication with the atmosphere when the pole jumps off the trolley wire.

2,237,591
ROTARY ENGINE
Michael Dumarest, Isleta, N. Mex.
Application December 16, 1939, Serial No. 309,644
4 Claims. (Cl. 123—14)



1. In a device of the character described, a stator having a compression chamber, a fuel storage chamber and a firing chamber, a shaft journaled in the stator and arranged concentrically thereof, rotors eccentrically mounted on and secured to said shaft and operating in the compressor chamber and the firing chamber, ignition means for the firing chamber, means for admitting fuel to the compressor chamber, a

rotary type valve for the control of fuel from the compressor chamber to the storage chamber and from the latter to the firing chamber, means for operating the valve by the rotors, operating members pivotally connected to the valve and riding the peripheries of the rotors for the operation of the valve by said rotors.

2,237,592

FOUNDRY COMPOSITION AND METHOD

Norman J. Dunbeck, Elfort, Ohio, assignor, by mesne assignments, to Peerpatco Incorporated, a corporation of Delaware

No Drawing. Application November 27, 1939, Serial No. 306,392

7 Claims. (Cl. 22—188)

1. In a composition of matter, a foundry composition comprising in combination, sand, and one-half per cent to 8 per cent of a bonding material, said bonding material comprising bentonite and one of the group of potassium nitrate, sodium alum and ammonium carbonate in the amount of ½ per cent to 10 per cent by weight of the bentonite.

2,237,593

FOUNDRY COMPOSITION AND METHOD

Norman J. Dunbeck, Elfort, Ohio, assignor to Peerpatco, Incorporated, a corporation of Delaware

No Drawing. Original application November 27, 1939, Serial No. 306,392. Divided and this application December 16, 1940, Serial No. 370,421

7 Claims. (Cl. 22—188)

1. In a composition of matter of the class described, a foundry composition comprising in combination, sand, bentonite, and an aqueous solution of hydrochloric acid.

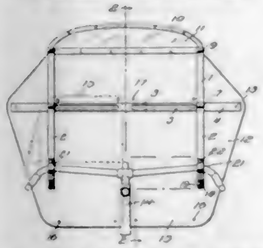
2,237,594

FOLDABLE WINDSHIELD FOR MOTORCYCLES

Frank Leeroy Dunlap, Canal Winchester, Ohio

Application January 15, 1940, Serial No. 314,003

1 Claim. (Cl. 296—78.1)



A foldable windshield for a motorcycle or the like, comprising a body frame including a pair of uprights, each upright being made up of an upper and lower section having their inner ends pivotally connected together, a center strip bridging the uprights and being slotted longitudinally from adjacent the transverse center thereof to adjacent its ends and having the pivots of the sections mounted for slidable movement in the slots for disposal of the uprights to folded and set up positions, said strip being of a length to extend outwardly beyond the uprights when the latter are in set up position, means for securing the uprights in either of their positions, framed transparent means connected to the upper ends of the uprights, a fabric sheet secured to and depending from the frame of the transparent means and decreasing in width from its upper and lower ends, said sheet having its widest portion disposed along the length of the strip and secured to the extending ends thereof, and adjustable means connected to the lower ends of the uprights for securing the windshield to the cycle.

2,237,595

FASTENING STRIP CONTAINING NUTS

Jack Victor Dyer, Crewkerne, England, assignor to Simmonds Development Corporation Limited, London, England

Application June 4, 1940, Serial No. 338,818

In Great Britain June 29, 1939

4 Claims. (Cl. 85—32)



4. In devices for securing structural members together, the combination with a nut-containing fastening strip comprising a channel member having a web and side flanges, of a nut having a screw-threaded bore, said nut comprising a body portion and a laterally enlarged base portion, said base portion being housed within said channel member, the web of the channel member being provided with an aperture into which the body portion of the nut extends, the laterally enlarged base portion of the nut being adapted to engage the side flanges of the channel member to prevent relative rotary movement between the nut and channel member and to engage the said web to prevent the nut from passing completely through the aperture in the web, the side flanges of the channel member having inwardly-turned edge portions forming a base to the channel member to secure the nut to the channel member against removal, the said base of the channel member having a bolt-receiving aperture of such size as to register with the bore of the nut and a threaded bolt for insertion, in the order named, through a plurality of structural members, the base of the channel member, and the threaded bore of the nut, whereby the base of the channel member may be frictionally gripped between the base portion of the nut and the adjacent structural member to resist spreading of the channel member by rotation of the nut.

2,237,596

LADDER SUPPORT

Charles A. Eilers, Montague, Mich.

Application June 13, 1940, Serial No. 340,393

6 Claims. (Cl. 228—60)



1. In a ladder support, a frame mounted for swinging movement about a rung of the ladder, said frame including spaced arm portions adapted to engage a supporting wall to hold the ladder spaced therefrom; a hook carried by the ladder above the said frame; and a spring having one end connected to the frame at a point spaced from the ladder and the other end thereof adapted for connection with the hook, the resilient action of the said spring normally holding the frame folded against the ladder but permitting the said arm portions to be moved away from the ladder and into abutting engagement with the supporting wall.

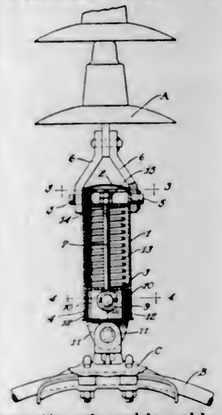
2,237,597

AUTOMATIC RELEASABLE CABLE HANGER

Delbert L. Fisher, Raymond, Wash.

Application April 27, 1940, Serial No. 332,053

3 Claims. (Cl. 267—71)



1. An automatic releasable cable hanger comprising companion jaws, yokes for said jaws, means including a shank and having the jaws pivoted thereto, a casing having the shanked means mounted therein for slidable movement of the yokes in engagement with the walls of the casing to hold the jaws closed for supporting the cable under normal conditions, a coil spring sleeved on the shank, abutment means for one end of the spring and fixed within the casing, abutment means for the opposite end of the spring and mounted on the shank for the spring to urge and hold the yokes within the casing for disposal of the jaws to a closed position, so that when an abnormal load is applied to the cable the jaws are moved against the action of the spring from the casing for disposal to an open position to release the cable.

2,237,598

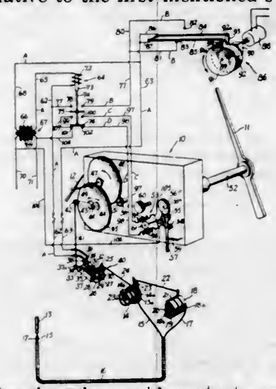
CONDITION INDICATING INSTRUMENT

Webster W. Frymoyer, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Application October 5, 1938, Serial No. 233,350

3 Claims. (Cl. 73—339)

1. An instrument of the character described comprising, in combination, a switch having cooperating contacts movable to engaged and disengaged positions, means responsive to temperature variations for moving some of said contacts relative to the others, means for visibly indicating temperature variations, operating means for said indicating means including a reversible electric motor, an electric circuit for said switch, a solenoid connected to said circuit, a plurality of electric circuits for said reversible motor and alternately energizable to operate said motor in opposite directions, means associated with said solenoid for completing said motor circuits alternately, means driven by said operating mechanism for moving the other of said switch contacts relative to the first-mentioned switch contacts whereby when said contacts are in their disengaged position said solenoid is de-energized to establish one of said motor circuits and whereby when said switch contacts are engaged said solenoid is energized to establish another of said motor circuits, and means for maintaining said solenoid in energized condition for a predetermined period of time regardless of the operative condition of said switch.



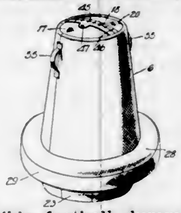
2,237,599

FOOTBALL DUMMY

Martin John Gilman, Gilman, Conn.

Application March 4, 1940, Serial No. 322,117

8 Claims. (Cl. 273—55)



1. A collapsible football dummy of the class described comprising an outer casing, a ballast container having an opening therein to permit the ballast to be inserted located in the lower portion of the said casing, a resilient circular means at the lower portion of the casing, and an inflatable member located above the ballast container.

2,237,600

CHARGING SLED

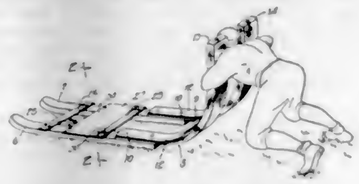
Martin John Gilman, Gilman, Conn.

Application June 24, 1940, Serial No. 342,035

8 Claims. (Cl. 273—55)

1. A charging sled of the class described comprising a plurality of spaced runners, a metallic arcuate member having one end thereof secured on one end of each of the runners, a spring member secured above the lower portion of each of the arcuate members to increase resistance of

said arcuate members when the arcuate member is contacted by a player, and a padding on the



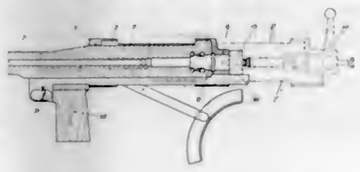
free ends of the arcuate members to prevent physical contact of the individual with the metallic arcuate member.

2,237,601

SHOULDER-CONTROLLED FIREARM

František Holek, Brunn-Julianov, Czechoslovakia, assignor to Československá Zbrojovka, a. s., Brno, Brunn, Czechoslovakia, a company of Czechoslovakia

Application June 28, 1938, Serial No. 216,380
In Czechoslovakia June 29, 1937
2 Claims. (Cl. 42—16)



1. A firearm, particularly of large caliber, comprising a rotary breech block, a barrel having locking grooves therein, locking lugs on said breech block cooperating with said grooves and causing said breech block to execute a thrust movement upon opening and closing, a bolt for actuating said breech block, a breech block carrier, a cylindrical sleeve on said carrier in which said bolt is rotatably mounted, guides mounted on said carrier, guiding means on said barrel cooperating with said guides so that said breech block may exert a relative axial movement against said sleeve upon locking and unlocking thereof, said guides being formed as a longitudinally grooved guide bar and a pin provided on said barrel extending through said groove in said guide bar and about which said breech block may be swung when moved to open position.

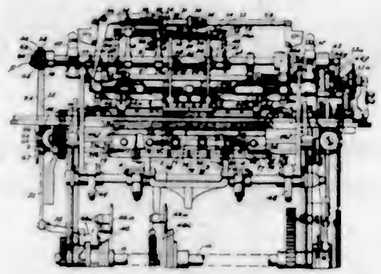
2. A firearm, particularly of large caliber, comprising a rotary breech block, a barrel having locking grooves therein, locking lugs on said breech block cooperating with said grooves and causing said breech block to execute a thrust movement upon opening and closing, a bolt for actuating said breech block, a breech block carrier, a cylindrical sleeve on said carrier in which said bolt is rotatably mounted, guides mounted on said carrier, guiding means on said barrel cooperating with said guides so that said breech block may exert a relative axial movement against said sleeve upon locking and unlocking thereof, said guides being formed as a sleeve slidably mounted on the end of said barrel and said sleeve mounted on the end of the barrel being provided with longitudinal recesses for the insertion and removal of cartridges.

2,237,602

KNITTING MACHINE AND PROCESS

Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania

Application December 14, 1935, Serial No. 54,469
36 Claims. (Cl. 66—82)



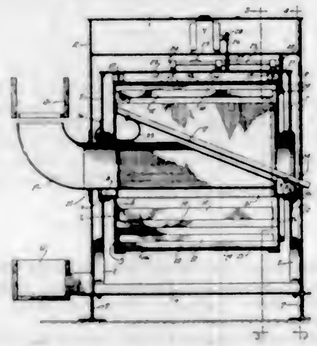
21. In a flat full-fashioned foot and leg knitting machine having knitting devices including a series of needles movable as a unit, an instep fabric supporting bar comprising a series of loop lifting implements, means for relatively moving said instep bar and needles to remove the instep needle loops from the needles and to position said loops slightly above the tops of the needles, means for moving the instep bar laterally out of alignment with the needles, and means for moving said instep bar to pass said implements forwardly between the needles and thereby to position said implements and instep loops held thereon beyond the back line of the needles during the subsequent knitting of the heel flaps.

2,237,603

APPARATUS FOR AND METHOD OF CLASSIFYING OR SEPARATING FLUID-BORNE MATERIALS

Harold V. Kapp, Long Beach, Calif.

Application August 9, 1937, Serial No. 158,022
7 Claims. (Cl. 210—199)



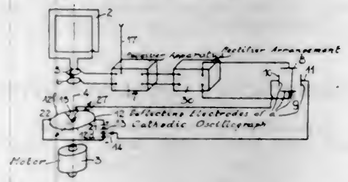
2. In a system for continuously supplying the drill bit of a hydraulic drilling apparatus with reclaimed fluid mud, an apparatus for continuously classifying the detritus and mud by separation and hydrostatic pressure, said apparatus including a casing, a drum provided with solid end walls having axial openings and mounted for rotation on a horizontal axis in said casing, an apertured circumferential wall consisting of an outer coarse screen member of relatively heavy structure and an inner fine screen member resting on the coarse screen member and of relatively light structure and whose openings are such as to trap a quantity of fluid mud and detritus to a level below the openings of the end walls to provide a hydrostatic head for forcing the mud through said fine screen openings, said screen members being secured to said end walls, a detritus waste trough transversely inclined across the interior of the drum and discharging through the opening in one of said end walls, a plurality of elevator blades carried by the inner wall of the drum to lift detritus upwardly for precipitation into said trough, a reclaimed mud outlet in the casing below the drum, resilient supports in the casing for the drum, and means for imparting a rotary vibrating movement to the drum.

2,237,604

INSTANTANEOUS DIRECT READING RADIOGONIOMETER

Jean Marique, Uccle-Brussels, Belgium

Application December 7, 1937, Serial No. 178,604
In Belgium January 15, 1937
11 Claims. (Cl. 250—11)



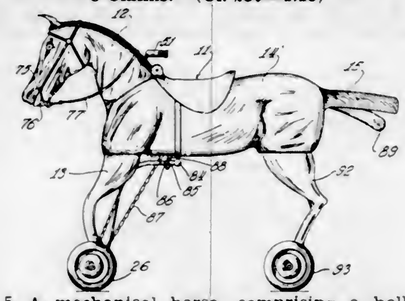
2. An instantaneous direct reading radiogoniometer, comprising a rotating explorer, a cathodic oscillograph, means for generating a variable difference of potential in function of the orientation of the rotating explorer with respect to a standard direction in such a manner that this variable difference of potential is of fundamental frequency equal to the number of rotations per second of the explorer, a cathodic oscillograph with two pairs of deflecting electrodes of the electronic beam perpendicular to each other, means for applying between the deflecting electrodes of one pair a tension which is a function of the high frequency electromotive force generated in said rotating explorer, means for applying between the deflecting electrodes of the other pair the said variable difference of potential in order to impart a sweeping movement to the electronic beam, a screen on which the fluorescent spot of the electronic beam appears, means for rotating the explorer at a speed of at least five revolutions per second in such manner that the displacement which results of the fluorescent spot on said screen produces the appearance of a stationary fluorescent image which represents the law of variation of the intensity of reception as a function of the orientation of the explorer, a stator of adjustable angular position comprised in said means for generating the said variable difference of potential, and a rotor rotating in synchronism with the explorer, also comprised in said means, said rotor having relatively to the explorer an angular position such that when the "neutral line" of the stator is brought into a position for which there is superposition of the luminous images swept out by the spot in one direction and then in the other, the direction of the neutral line coincides with that of the transmitter observed.

2,237,605

MECHANICAL HORSE

Roy A. Maypole, Chicago, Ill.

Application August 17, 1938, Serial No. 225,271
8 Claims. (Cl. 280—1.18)



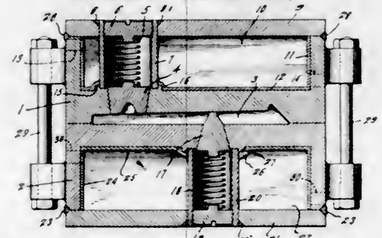
5. A mechanical horse, comprising a hollow frame in the shape of a horse's body, leg members for supporting said frame and having wheels associated with their lower ends, and means whereby a rider of the horse may impart forward movement thereto, including driving mechanism mounted upon a shaft, an auxiliary frame for rotatably supporting said shaft, and means for adjustably supporting said auxiliary frame interiorly of said hollow frame.

2,237,606

WATER JACKET FOR MOLDS

Henry E. McWane, Lynchburg Va.

Application November 29, 1935, Serial No. 52,248
Renewed June 26, 1939
3 Claims. (Cl. 22—177)



3. A water jacket for a permanent mold part comprising metallic walls integrally formed with the mold part proper, and a lining on the interior of said walls of the jacket which is welded in place.

2,237,607

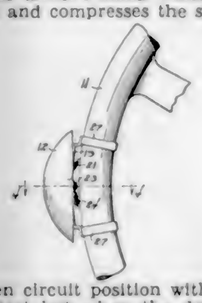
WARNING SIGNAL

William I. Rusche, Cincinnati, Ohio

Application August 17, 1938, Serial No. 225,455
1 Claim. (Cl. 200—59)

A steering wheel switch comprising, a strap adapted to be secured to and extend longitudinally of a steering wheel rim on the outer side thereof, a guide box projecting from the strap open at the outer side, binding posts carried by the strap within the box, an elongated shell extending longitudinally of the outer side of the strap to fit within the palm of a driver's hand closed upon the steering wheel while driving, a guide projection formed integral with the shell and slidably fitting within the guide box, a substantially U-shaped spring switch contact disposed longitudinally of the projection, screws securing the contact to the projection between the legs of the contact, one leg of the contact being secured to one of said binding posts, and a

fixed switch contact carried by the other binding post held in engagement with the other leg of the spring switch contact by the resiliency of the spring switch contact, the arrangement being such that in normal driving position the shell is held within the driver's hand which grasps the steering wheel and compresses the spring switch



contact to open circuit position with relation to the fixed contact but when the driver releases his grip from the steering wheel through drowsiness or other cause the resiliency of the spring switch contact moves the shell and spring switch contact to closed circuit position with relation to the fixed switch contact.

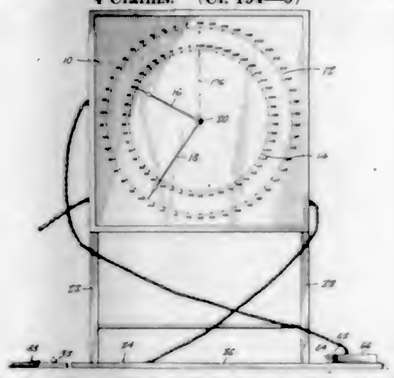
2,237,608

GOLF PRACTICING DEVICE

Turner C. Rush, Lexington, Ky.

Application October 10, 1938, Serial No. 234,301

4 Claims. (Cl. 194—9)



1. A golf practicing device comprising an impact totalizing means, an individual drive impact indicator means, a motor, an operating connection between the motor and the impact totalizing means, latch means for operatively connecting the individual drive impact indicator means with the impact totalizing means, electrical means for unlatching said latch means including a manually actuated switch, means for returning the individual drive impact indicator means to a starting position upon unlatching of said latch means, and a circuit connected with said motor including a golf ball impact switch.

2,237,609

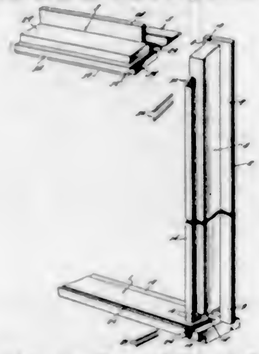
WINDOW CASING

Winfield W. Stevenson, Somers Point, N. J.

Application March 28, 1939, Serial No. 264,631

3 Claims. (Cl. 20—11)

1. A window casing comprising a pair of side sections including side stiles, and side blind stops extending along the outer edges of said stiles, said stops having side edges extending inwardly of said casting past said stiles and forming right-angled ledges on the latter, and a unitary top section including a top blind stop fitting endwise between said ledges, a header on one side of said top blind stop, and a molding strip on the other side of said top blind stop, the molding strip extending beyond the ends of the blind stop into overlapping



relation to the outer faces of the side blind stops, and the header extending beyond the ends of said top blind stop into overlapping relation to the rear faces of said ledges, whereby said sections interlock with said side blind stops against lateral movement.

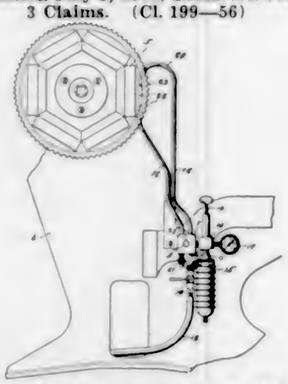
2,237,610

COOLING DEVICE FOR SLUG CASTING MACHINES

Russell M. Miller, Kenosha, Wis.

Application July 5, 1940, Serial No. 344,153

3 Claims. (Cl. 199—56)



1. The combination with a slug casting machine and the mold carrying disk thereof, of a mold carrying disk cooling device, comprising a supporting block having bores, a pipe formed into a loop, the ends of the pipe being disposed within the bores of the supporting block, said pipe having a plurality of discharge openings disposed adjacent to the mold carrying disk, said openings adapted to direct jets of air against the mold carrying disk, a valve for controlling the passage of air under pressure to the pipe, and a valve adapted to control the exhaust of air through one end of the pipe.

2,237,611

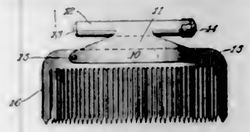
COMBINED RECEPTACLE AND COMB

Robert Lester Motley, Dayton, Ohio

Application January 30, 1940, Serial No. 316,411

1 Claim. (Cl. 132—19)

A comb attachment formed from a single blank of material including an elongated substantially triangular member to be fixed adjacent its ends to the back of a comb with its apex edge uppermost and to extend along the length of the back and above the same, a rectangular member having one longitudinal edge formed centrally of its



ends for a portion of its length on the upper edge of the triangular member, said rectangular member being rolled longitudinally to provide a tubular receptacle for receiving articles, means fixed on one end of the receptacle for closing the same, and a removable cap closing the opposite end of the receptacle and threaded thereon.

2,237,612

APPARATUS FOR WASHING PERFORATIONS

Clarence C. Myracle, Orange, Calif.

Application August 8, 1939, Serial No. 289,014

12 Claims. (Cl. 166—20)



1. A perforation washer comprising a tubular body introducible into a well casing, a packer fixed on said body intermediate the ends of the latter, said body being closed at the bottom and having an inlet above the packer for well fluid and lateral perforations below the packer, said inlet having an area at least equal to the inner cross-sectional area of said body and the total area of said perforations being less than said cross-sectional area, the upper end of said body being connectible to a lowering and lifting means, so that the washer can be lowered to the perforated zone of the casing and then pulled upwardly whereby to cause jets to flow from said lateral perforations.

2,237,613

DEVICE FOR THE MECHANICAL DETERMINATION OF FIRING DATA FOR FIRING AT MOVING TARGETS

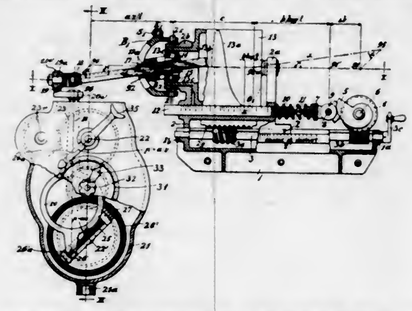
Karl Petschenig, Vienna, Austria, assignor to Österr. Ung. Optische Anstalt C. P. Goerz Gesellschaft m. b. H., Vienna, Austria, a company of Austria

Application November 9, 1937, Serial No. 173,717

In Austria November 10, 1936

6 Claims. (Cl. 33—49)

1. Apparatus adapted to be mounted on a gun for determining data for firing said gun at moving targets, having both means for determining a target-velocity-allowance vector, both in magnitude and direction, and providing a mechanical equivalent thereof, and means for providing a mechanical equivalent a previously determined target distance; the said apparatus a Cardan shaft, of extensible effective length, between said two means and comprising a spindle fixed against rotation and having a screw thread of large pitch and a sleeve about said spindle; a universal joint securing said spindle to said target-velocity-vector-determining means, whereby the spindle



is oriented by said means in accordance with the target velocity vector; means whereby said sleeve is rotatable by the threads of said spindle; a rotatable drum forming part of said target-distance-determining means and having its principal axis adapted to be disposed in the range of the projectile to be employed, and having a logarithmic spiral on its periphery for cooperating in determining the momentary range, for correction of elevation of the gun; and a universal joint interconnecting said drum and said sleeve, axial movement of said spindle causing rotation of said drum, and consequent variation in the calculated range.

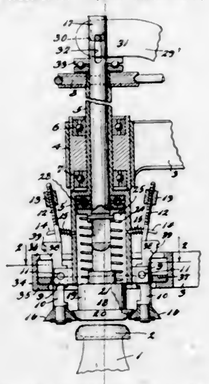
2,237,614

CAPPING MACHINE

Luigi Perrone, Syracuse, N. Y., assignor to Metal Cap and Machine Corporation, Syracuse, N. Y., a corporation of New York

Original application December 10, 1937, Serial No. 179,117. Divided and this application March 25, 1939, Serial No. 264,199

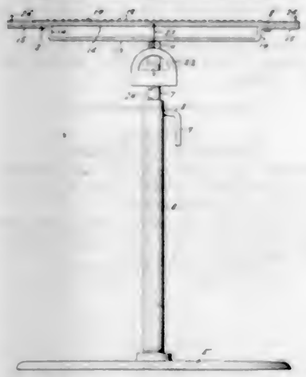
10 Claims. (Cl. 226—87)



1. In apparatus for securing a skirted closure

to the mouth of a receptacle upon which the closure has been loosely seated, a frame, a spinning head vertically reciprocable in said frame, said spinning head comprising a hollow rotary member and a plunger disposed coaxially within the same and axially movable relative thereto, roller means movably carried by said rotary member and operable by centrifugal force during the rotation of said member to move the roller means in a direction generally normal to the axis of rotation, yieldable means disposed within the rotary member and coacting with the same and with the plunger for causing the lower end of the plunger to normally assume a position about in the plane of the roller means for conjoint movement therewith, said yieldable means comprising a coil spring encircling the plunger and having one end in abutting engagement with the plunger and its other end seated on a collar loosely carried by the plunger, said collar having a limited axial movement relative to the plunger, and means for lowering the spinning head relative to the frame aforesaid to initially engage the lower end of the plunger with the closure to firmly press the same against and hold the closure stationary on the mouth of the receptacle while the roller means is positioned laterally adjacent to the closure skirt and progressively advanced below the plunger to force the skirt into sealing contact with the receptacle by the action of centrifugal force upon the roller means, and to subsequently raise the roller means and plunger above the closure.

2,237,615
UNIVERSAL WORK SUPPORT
Charles Gordon Roberts, Easton, Pa.
Application December 27, 1939, Serial No. 311,223
1 Claim. (Cl. 143—132)



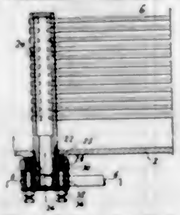
In a work support, an elongated narrow frame bar, a vertically adjustable pedestal for supporting said bar, means pivotally mounting said bar on said pedestal for tilting adjustment endwise thereon, a row of antifriction balls countersunk in said bar and spaced longitudinally thereof, a work supporting bar similar to said frame bar secured to and surmounting the frame bar and in parallel relation thereto and provided with apertures through which said balls project for rolling contact with the work, sockets in said work supporting bar adjacent the ends thereof, and stop pins for insertion in said sockets to confine the work on said work supporting bar, said sockets being longitudinally spaced along the work supporting bar for selective location of the pins in accordance with the width of the work.

2,237,616
BEARING SEAL
John W. Smith, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application April 9, 1938, Serial No. 201,028
13 Claims. (Cl. 308—187.2)



12. The combination with a pair of bearing rings disposed one within the other of a plate carried by the outer of said rings and projecting toward the inner ring, and a metal plate secured to said first mentioned plate and having an axially extending foraminated flange in lubricant-sealing proximity to the outer surface of said inner ring.

2,237,617
HEADER CONNECTION
Hans Trede, Kassel-Wilhelmshohe, Germany
Application March 22, 1939, Serial No. 263,521
In Germany March 30, 1938
2 Claims. (Cl. 257—235)

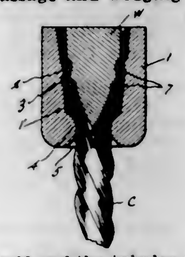


1. In a boiler drum having heat exchange tubes, a collector comprising a vertically mounted hollow member having an end portion projecting through the wall of said drum, partition means for dividing said collector into two chambers, vertically extending rows of aperture means in one side of said collector for providing communication with said tubes, shoulder means for seating said collector against the inner surface of the wall of said drum, a block externally of said drum fastened to said projection end portion, a second bored block capping said end portion and providing communication means for said chambers, respectively, and bolt means freely passing through said second block and threaded through said first block and bearing against said drum.

2,237,618
CHOKER KNOB
William W. Weatherford, Arlington, Oreg.
Application June 6, 1940, Serial No. 339,180
2 Claims. (Cl. 24—123)

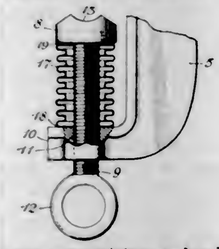
1. A knob for a cable end comprising a tubular

part having a tapered passage therein, intermediate portions of the wall of the passage being formed with an annular groove and an annular rib, said rib and groove being located adjacent each other and a wedge member for fitting in a portion of the passage and wedging strands of a



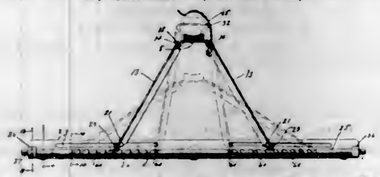
cable between itself and the tubular member, said wedge member having on intermediate portions of its walls annular grooves and ribs for cooperating with the rib and groove in the walls of the passage for distorting the strands of the cable and firmly grip the cable in the knob.

2,237,619
LINE CLAMP
Allison R. Williams, Yazoo City, Miss.
Application November 12, 1940, Serial No. 365,367
3 Claims. (Cl. 173—273)



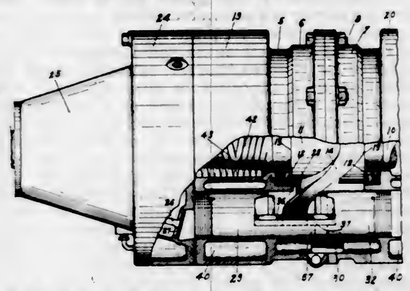
1. A line clamp comprising a hook-like body having a fixed jaw formed integrally therewith; a shank passing through the body in opposed relation to the fixed jaw and terminating in an actuating member; a movable jaw connected to the end of the shank; means forming an actuating connection between said shank and said body for moving said movable jaw toward and from the fixed jaw upon manipulation of the member; and a flexible bellows enclosing said shank between the clamp body and the movable jaw and hermetically sealed to both said jaw and said body.

2,237,620
LIFTING MECHANISM
Cecil L. Doughty, William A. Doughty, and Lonnie W. Doughty, Norfolk, Va.
Application May 20, 1939, Serial No. 274,818
20 Claims. (Cl. 254—1)



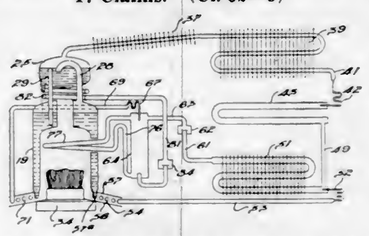
1. A holding member for supporting a wheel of a vehicle in a raised position, comprising a base, toggle legs, attaching means to attach the legs to the vehicle to which the legs are pivoted, said attaching means being located at a point on the vehicle adjacent the wheel to be raised, and means carried by the base to hold the toggle legs in a raised position to maintain the wheel in a raised position.

2,237,621
INTERNAL COMBUSTION ENGINE
Karl L. Herrmann, South Bend, Ind.
Original application May 14, 1937, Serial No. 142,653. Divided and this application October 29, 1938, Serial No. 237,625
10 Claims. (Cl. 309—4)



1. A double-ended piston having a longitudinally extending connecting beam portion, a longitudinal slot therein intermediate the pistons, a pair of semi-cylindrical bearings on the adjacent ends of the piston in line with the ends of the slot and forming spaced bearings with said slot ends.

2,237,622
ABSORPTION REFRIGERATING MACHINE
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application September 25, 1935, Serial No. 41,996
17 Claims. (Cl. 62—5)



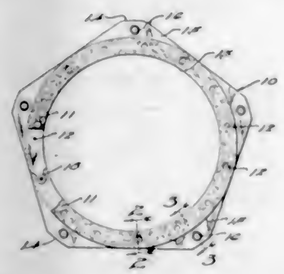
1. A refrigeration apparatus comprising a generator, heating means for said generator, means for varying the supply of heat applied to said generator, an evaporator and an absorber, said heat supply varying means being associated with said evaporator and operable responsive to the thermal conditions therein, means for maintaining said generator and said evaporator and said absorber at different pressures and for continuously supplying variable quantities of liquid from said generator to said evaporator and said absorber respectively in proportion to the amount of heat supplied to said generator and means operable responsive to said heating means for effecting the transfer of strong liquor from said absorber to said generator.

2,237,623
LAMINATED SHEET AND STAMPED METAL PANEL
Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 31, 1935, Serial No. 4,257
1 Claim. (Cl. 154—45.9)



A self-sustaining wall panel unit of diaphragm-like character capable of being handled and shipped as a unit and having a thickness and stiffness adapting it to be self-supporting laterally over large areas thereof, said wall panel unit consisting of a plurality of thin vibratile metal sheets and a single thin layer of a permanently plastic cement between each two adjacent sheets and adhesively bonded as a layer directly to the adjacent faces of the thin metal sheets and tying them together substantially throughout their areas, the bonding medium having such characteristics as not only to strongly tie the sheets together to prevent vibratory separation under the vibrations to which the unit may be subject in use but also to dampen out sound producing vibrations of the panel at large in response to vibrations transmitted to it in use, the cement between the sheets in certain limited localized areas thereof being omitted, thereby providing localized areas through which the panel may be joined by spot welding to an adjoining metal part.

2,237,624
FRICTION MEMBER
John M. Oldham, Pleasant Ridge, Mich., assignor to Leonard A. Young, Detroit, Mich.
Application October 22, 1938, Serial No. 236,391
2 Claims. (Cl. 192—107)

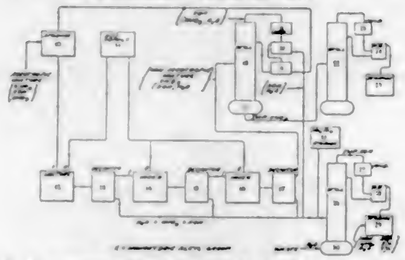


1. A friction member including a lining-carrying plate, a lining secured thereto, said plate comprising a plurality of interfitting stamped sections together forming a polygon, an integrally formed projection on one end of each section and being of the same thickness as said section extended beyond the end in substantially the plane of the section adapted to be forced into a corresponding recess in the abutting end of the adjacent section in a direction transverse to the application of rotating force on said plate, the shape of said projections preventing separation of said sections in the direction of said force, each of said stamped sections providing more than one peripheral side wall of said polygon.

2,237,625
SULPHURIZATION OF SULPHUR-CONTAINING ORGANIC COMPOUNDS
John F. Olin, Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa.
No Drawing. Application October 7, 1938, Serial No. 233,800
18 Claims. (Cl. 260—125)

1. The process which comprises reacting a sulphur-containing organic compound with sulphur in the presence of a catalytic amount of a basic catalyst.

2,237,626
PURIFICATION OF CRUDE ESTERIFICATION MIXTURES
John F. Olin, Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa.
Application November 15, 1938, Serial No. 240,514
4 Claims. (Cl. 202—60)



2. A process of obtaining a purified nitric acid ester from a crude esterification mixture obtained by esterifying nitric acid with a monohydric alcohol which is substantially soluble in said ester, and which contains said ester, said alcohol, water and at least a small amount of nitric acid, said process comprising mixing with said ester a quantity of water which is substantially greater than the quantity of said mixture under treatment, stratifying the resulting mixture of said crude esterification mixture and water to obtain a lighter stratum containing water, alcohol, and a higher proportion of ester than said original mixture, and thereafter distilling the materials of said lighter stratum to recover purified nitric acid ester therefrom.

2,237,627
SULPHURIZATION OF ORGANIC POLYSULPHIDES
John F. Olin, Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa.
No Drawing. Application October 10, 1939, Serial No. 298,768
2 Claims. (Cl. 260—125)

1. The process which comprises reacting a compound of the type

R—S—S—R'

wherein R and R' are radicals chosen from the class consisting of aliphatic, alicyclic, aromatic and heterocyclic groups and S denotes sulphur, with sulphur in the presence of a catalytic amount of a basic catalyst.

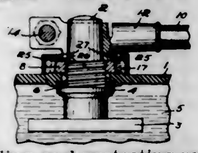
2,237,628
SEPARATION OF TRI-ETHYL AMINE FROM REACTION MIXTURES
John F. Olin, Grosse Ile, Mich., and George E. Hinds, Philadelphia, Pa., assignors to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 14, 1939, Serial No. 309,182
7 Claims. (Cl. 260—583)

1. The process of separating tri-ethyl amine from a reaction mixture containing said tri-ethyl amine, water and at least one organic contaminant chosen from the class consisting of ethyl alcohol, acetonitrile and mixtures of ethyl alcohol and acetonitrile, which comprises extracting said organic contaminant from the tri-ethyl amine by washing said reaction mixture with water at a temperature in excess of 40° C.

2,237,629
SHAMPOO
John W. Orelup, Summit, N. J.
No Drawing. Application July 25, 1935, Serial No. 33,057
4 Claims. (Cl. 252—152)

4. An improved shampoo, containing as the active ingredient a water soluble salt of the sulphonic esters of monoethanolamide of the cocoanut fatty acids in an aqueous vehicle, said ingredient being characterized by high foaming power due to the absence of formation of lime or other insoluble salts, the property of remaining liquid in concentrated solution, high detergent value, and the property of being non-injurious to the scalp or hair due to low imbibation and the absence of the formation of free alkali.

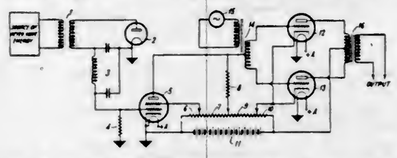
2,237,630
PROTECTING AND SEALING DEVICE FOR BATTERY TERMINALS
Joseph J. Paterno, Salem, Mass.
Application July 30, 1940, Serial No. 348,380
1 Claim. (Cl. 173—259)



A grease-holding and protecting receptacle for sealing a terminal post of a battery, comprising a hollow member adapted to encircle the battery post and contain a quantity of grease therein, a web extending across said receptacle intermediate its height and with a central recess adapted to fit the battery post, said web being formed with a plurality of recesses therethrough, whereby grease may be applied to the interior of the member from the upper side of said web thru said recesses and contain a quantity of grease on the upper side of said web in addition to that within the receptacle.

2,237,631
TONE KEYER WITH COMMON SOURCE OF ENERGY
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1937, Serial No. 127,869
3 Claims. (Cl. 178—66)

1. A tone keying system to be supplied by current from a single source of direct current which supplies other similar tone keying systems comprising, a source of wave energy of tone frequency, a pair of electron discharge tubes each having input electrodes including a control grid and cathode coupled to said source of wave energy and output electrodes including an anode coupled to a load circuit, a source of direct current, means connecting a point on said source of direct current to said anode, resistive means connecting said control grids and cathodes to different points on said source of direct current, to bias said control grids relative to said cathodes so that said discharge systems are normally biased to permit passage of tone frequency energy from said source to said output circuit, an additional electron discharge tube having a control grid, a cathode, and an



anode, a resistance connecting said control grid of said additional tube to the cathode of said additional tube to bias said control grid relative to said cathode, a potential such that said additional tube is conductive, a connection between the anode and cathode of said additional tube and said resistive means whereby current flows in said resistance when said additional tube is conductive to bias said first tubes to cut-off, means responsive to markings on keyed wave energy for increasing current flow through said last named resistance to change the bias between said grid and cathodes of said additional tube to bias said additional tube to cut off and reduce the current flow through said resistive means and thereby reduce the bias on said pair of tubes and cause the same to pass wave energy from said wave energy source to said output.

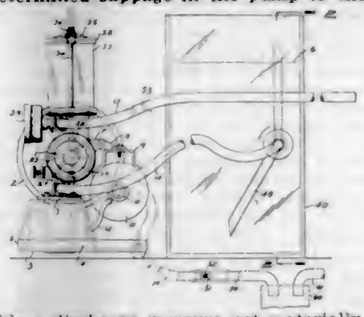
2,237,632
LUBRICANT
Herman E. Ries, Jr., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 25, 1938, Serial No. 209,987
12 Claims. (Cl. 252—53)

1. The method of improving the lubricating properties of a hydrocarbon lubricating oil which comprises incorporating in the oil a small proportion of an alkylated triphenyl phosphate in which each alkyl group contains ten or more carbon atoms.

2,237,633
APPARATUS FOR EMBALMING BODIES
Malcolm D. Riker, Detroit, Mich.
Application June 30, 1938, Serial No. 216,784
5 Claims. (Cl. 27—24)

1. In apparatus for the injection of embalming fluid into the circulatory system of a body, a pump having an inlet and an outlet, an air dome, having openings in its bottom and forming part of the outlet, a tube having an end connected with the inlet, a receptacle for liquid with which the opposite end of the inlet tube is connected, and a tube connected at one end with the outlet and to the circulatory system at the other, the arrangement providing that, in operation of the pump, the liquid is forced into the dome com-

pressing air in the upper part thereof and is thereafter discharged directly through the outlet beneath the air, and means providing for a predetermined slippage in the pump to thereby

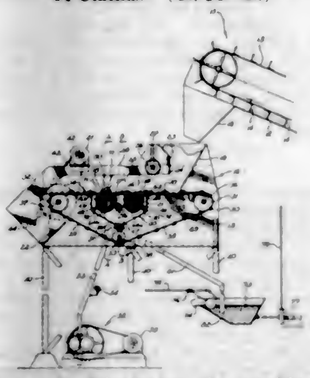


provide a discharge pressure not materially differing from the pressure required to overcome the resistance of the circulatory system to flow of fluid thereinto.

2,237,634
PHENOL MODIFIED RESINS AND PROCESS FOR THEIR PREPARATION
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. **Application December 29, 1937, Serial No. 182,241**
17 Claims. (Cl. 260—43)

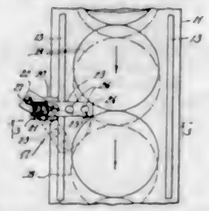
1. Process for preparing a resin comprising reacting an aromatic petroleum hydrocarbon boiling above approximately 125° C. with an aldehyde in the presence of an acid condensation catalyst to form a condensation product uncombined with a phenol, then reacting the resulting condensation product with a phenol and an additional portion of an aldehyde.

2,237,635
PULP DEHYDRATOR
Walter E. Saxe, Alhambra, Calif., assignor to The Conveyor Company, Los Angeles, Calif., a corporation of California
Application July 15, 1939, Serial No. 284,688
14 Claims. (Cl. 34—12)



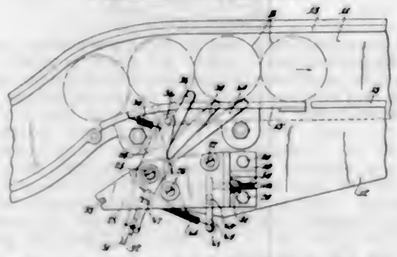
1. In a pulp dehydrator, the combination of: a platform support for a moving pulp bed and having formed therein a gap across which the moving pulp bed is unsupported by said platform and which extends across the path of movement of said pulp bed; means for moving the pulp bed over said platform; a vacuum chamber below said gap and communicating therewith; and an air-pervious supporting means for said pulp bed mounted to move substantially in the plane of said platform across said gap in the direction of travel of the pulp bed and to move proximately beneath the rims of said gap, said means directly contacting the pulp of and supporting said pulp bed across said gap.

2,237,636
METHOD AND APPARATUS FOR PURGING AIR FROM RECEPTACLES
Charles Schmutzer, Irvington, N. J., assignor to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey
Application July 9, 1937, Serial No. 152,736
15 Claims. (Cl. 226—72)



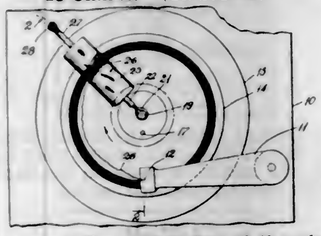
1. The method of packaging beverages containing carbon dioxide which comprises partially filling a receptacle with the beverage in an atmosphere containing air whereby the space in the receptacle above the liquid will contain air, jarring the receptacle to cause a part of the carbon dioxide in the liquid to be liberated and thereby expel at least a part of the air from the space above the liquid, and then sealing the receptacle.

2,237,637
PURGING AIR FROM CARBONATED BEVERAGE CONTAINERS
Charles Schmutzer, Irvington, N. J., assignor to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey
Application June 2, 1939, Serial No. 276,988
8 Claims. (Cl. 226—72)



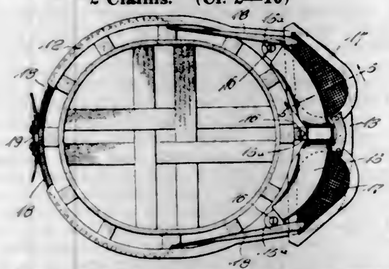
1. The method of purging air from the space above the liquid level in a partially-filled carbonated beverage container, which comprises jarring with different degrees of violence separate portions of the body of the beverage in the container to cause said portions to initially liberate gas prior to the effect of the continued jarring until the gas rises to the lip of the container for expelling at least part of the air therefrom, and then sealing the container while the gas extends to the lip thereof.

2,237,638
THREAD REMOVAL ATTACHMENT FOR RECORDING MECHANISMS
Roy Sinclair, New York, N. Y., assignor of one-third to Raymond H. Maurice, New York, N. Y.
Application June 19, 1940, Serial No. 341,231
13 Claims. (Cl. 274—1)



1. In a recording apparatus of the class described employing means forming a sound record groove in the surface of a record disc, removing a thread-like strand from the surface of the disc in forming such grooves, a thread pick-up and winding device comprising a shaft, a rotatable member on the shaft, means supporting said shaft to dispose the said member radially over the upper surface of the disc and with the surface of the said member in close proximity to the surface of the disc, said member having on the surface thereof a facing material readily adhering to said cut and removed thread, and means supporting said member for rotation in the rotation of said disc to automatically wind the thread on said member.

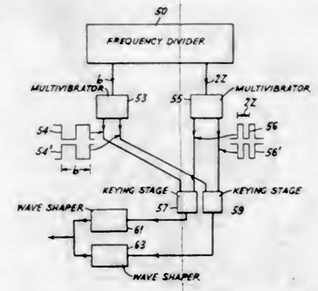
2,237,639
GOGGLES ATTACHMENT FOR HATS OR CAPS
John Spoljarich, Painesdale, Mich.
Application July 22, 1940, Serial No. 346,840
2 Claims. (Cl. 2—10)



1. A miner's hat or cap having a forwardly extending visor, combined with connected goggle members, a one-piece guard-plate bent downwardly at its ends and middle parts to afford, between said parts and beneath said visor, forwardly opening spaces or pockets for said goggle members, means for securing said guard-plate in place, and means for yieldingly holding said goggle members in said spaces or pockets.

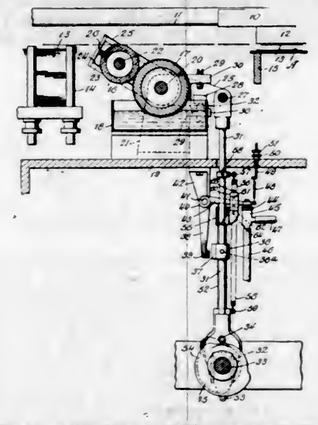
2,237,640
TELEVISION SYSTEM
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Original application May 24, 1939, Serial No. 275,427. Divided and this application May 2, 1940, Serial No. 332,894. In Germany June 11, 1936
3 Claims. (Cl. 178—69.5)

1. A synchronizing system for an even line interlaced television system comprising means for supplying frame synchronizing and double line synchronizing frequency impulses, a multivibrator fed by the frame synchronizing impulses, a multivibrator fed by double line frequency impulses, means to derive output energies having



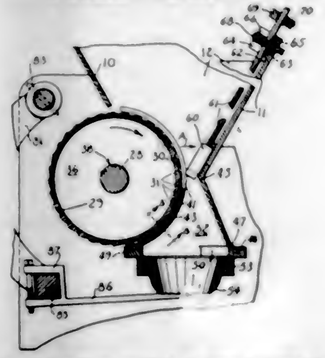
out-of-phase components from each of the multivibrators, two keying stages each fed with energy derived from each of the two multivibrators, means to shape the output of each of the keying stages, and means for combining the outputs of the keying stages.

2,237,641
CONTROLLING MEANS FOR ADHESIVE APPLYING APPARATUS
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application June 26, 1940, Serial No. 342,461
7 Claims. (Cl. 91—50)



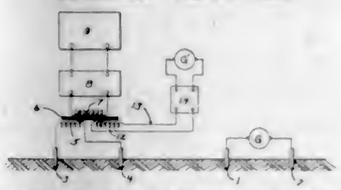
5. In an adhesive applying apparatus including an adhesive applying roller movable from an inoperative to an operative position and vice versa, that improvement which comprises a suction line, a valve controlling said suction line to render the suction effective and non-effective to develop a vacuum therein, operating means for shifting said adhesive applying roller to its operative position and to its inoperative position, and locking means controlled by said valve for locking said operating means against operation when no vacuum exists in said suction line to thereby maintain said adhesive applying roller in its inoperative position.

2,237,642
BENCH COOKY MACHINE
Frank Charles Werner, Grand Rapids, Mich.
Application August 3, 1939, Serial No. 288,188
9 Claims. (Cl. 107—8)



1. In combination with a dough hopper having sides, of a roller for forcing the dough therefrom, means for mounting the roller so that a portion thereof is located within the hopper, means for restricting the neck of the hopper whereby the quantity of dough moved by the roller is reduced, said restriction means comprising a strip member slidably mounted completely within the hopper, and means extending upwardly within the hopper for moving either end thereof as desired.

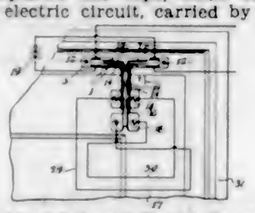
2,237,643
METHOD OF SUBSURFACE PROSPECTING
Samuel S. West, Houston, Tex., assignor, by mesne assignments, to E. E. Rosaire, Houston, Tex.
Application September 29, 1936, Serial No. 103,129
13 Claims. (Cl. 175—182)



13. The method of determining underground structure which comprises causing an alternating current to flow in the earth, continuously observing the wave form of the alternating potential difference between two points subject to the influence of the earth current, and simultaneously comparing said observed wave form to that of another alternating potential by varying the latter wave form until there is a predetermined relationship between the wave forms of the two potentials.

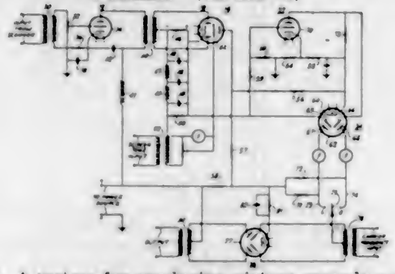
2,237,644
BURGLAR ALARM
Henry Whipple, Woodside, Long Island, N. Y., assignor to Benjamin Goldstone, New York, N. Y.
Application January 10, 1940, Serial No. 313,259
8 Claims. (Cl. 177—314)

8. In a burglar alarm, an electric alarm circuit, including contacts, insulated from each other, to be secured to a door frame, and normally touching each other to close said circuit, blades insulated from each other, mounted on the door of said frame, in cooperative relation with said contacts, to separate the clips, when the door is closed, an electric circuit, carried by said door



and interpolated between the blades, effective to be connected in said alarm circuit when the door is closed and means to maintain the clips separated after the door has been opened.

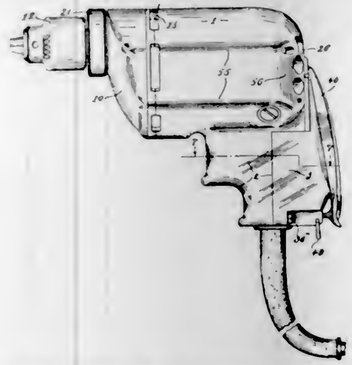
2,237,645
PHOTO-RADIO SYSTEM
James N. Whitaker, Tuckahoe, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1938, Serial No. 192,732
6 Claims. (Cl. 178—5)



1. A system for producing picture records comprising a discharge tube having a cathode, a pair of anodes, a control electrode and an additional anode, means for impressing push-pull alternating signal variations between said pair of anodes and said cathode for rectification thereby, means for applying a substantially constant alternating voltage of a predetermined frequency between said control electrode and said cathode, means for maintaining said additional anode positive with respect to said cathode, a load and filter circuit connected in the cathode circuit of said tube across which impulses are produced having a constant frequency corresponding to the said predetermined frequency and of an amplitude determined by the rectified signal variations, a push-pull keyer comprising a pair of thermionic discharge paths, means for rendering the discharge paths of said push-pull keyer alternately conducting and non-conducting for time periods determined by the amplitude of said impulses at the frequency of occurrence of said impulses, a carrier frequency modulating device, and means for controlling the operation of said modulating device in accordance with the conducting or non-conducting condition of the one or the other thermionic discharge path.

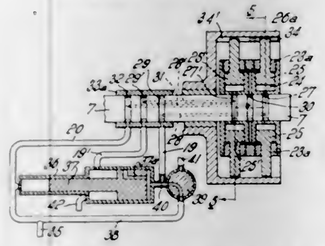
2,237,646
ELECTRIC TOOL
Glenn C. Wilhide, Towson, Md., assignor to The Black & Decker Manufacturing Company, a corporation of Maryland
Application March 10, 1939, Serial No. 260,935
16 Claims. (Cl. 172—36)

1. In a portable electric tool having a field casing, a motor therein, having a rotor and a field, the casing being flattened at the sides to conform closely to the motor providing upright sides of said casing spaced by a relatively short horizontal transverse dimension and a grip extending downwardly and rearwardly from the longitudinal center of the field casing and elongated in a fore and aft direction, the tool being adapted to be directed and supported by one hand of the op-



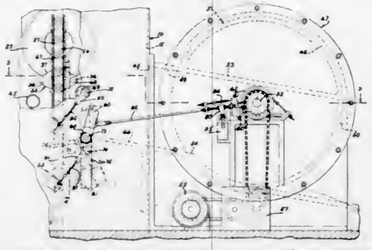
erator, the upright side surfaces of the field casing being adapted for engagement by the thumb and forward fingers and the grip being adapted to be held between the remaining fingers and the palm of the hand which supports and directs the tool, a switch controlling the motor and a lever for operating the switch, the lever being located at the rear of the grip to be engaged by the palm of said hand and extending from adjacent the motor axis down the grip.

2,237,647
CLUTCH MECHANISM FOR CHANGE SPEED AND REVERSING GEARING
Kyrle William Willans, Milton, England
Application December 19, 1938, Serial No. 246,581
In Great Britain December 15, 1937
9 Claims. (Cl. 192—86)



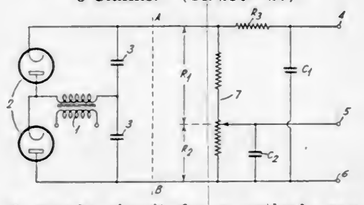
1. A clutch mechanism comprising a shaft, a member fast to said shaft, a plunger slidably mounted in and adapted to extrude from said fast member, said plunger having faces inclined to the direction of movement, a second plunger slidably mounted in and adapted to extrude from said fast member, said second plunger having faces normal to the direction of movement, a member free on said shaft, and projections on said free member having faces adapted to engage corresponding faces of said plungers in their extruded position, and separately operable means adapted to force said first and said second plunger in extruded position.

2,237,648
APPARATUS FOR HEAT TREATING ARTICLES
Harry Blount, Baltimore, and Karl C. Edwards, Chase, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1939, Serial No. 271,474
7 Claims. (Cl. 214—21)



1. In an apparatus for heat treating articles, a treating chamber, a continuously moving conveyor for carrying articles through said chamber, means for discharging treated articles from said chamber, a rotary drum for receiving discharged articles, said drum having an inlet opening adapted to communicate with the interior of said chamber, means for rotating said drum, and means rendered effective automatically upon failure of said drum rotating means for stopping said conveyor.

2,237,649
POWER SUPPLY CIRCUIT
Alan Dower Blumlein and Rolf Edmund Spencer, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a British company
Application July 3, 1937, Serial No. 151,957
In Great Britain July 18, 1936
3 Claims. (Cl. 250—27)



1. A supply circuit for a cathode ray tube wherein said tube contains at least two anodes, the second anode being biased to a higher potential than the first anode comprising a source of potential, a variable potentiometer connected in parallel with said source of potential, means for connecting the first anode of the cathode ray tube to the variable arm of the potentiometer, and resistive means R_3 connecting said second anode to the positive terminal of said potentiometer, said latter resistance having a value substantially equal to

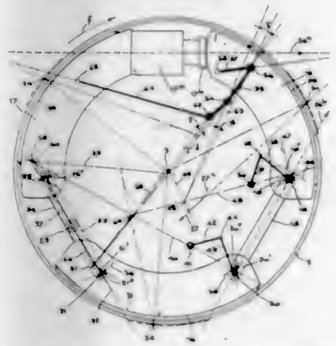
$$\frac{I_1}{I_2}K\frac{(R_1 R_2)}{R_1+R_2}$$

where I_1 is the current through the first anode, I_2 is the current through the second anode, R_1 is the value of the resistance between the positive end of the potentiometer and the point of contact of the variable arm of the potentiometer, R_2 is the resistive value between the point of contact of the variable arm and the negative termi-

nal of the potentiometer, and K is the focussing ratio of the cathode ray tube, said focussing ratio being approximately equal to the value

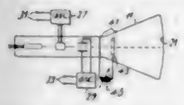
$$\frac{R_1+R_2}{R_2}$$

2,237,650
BRAKE
Louis Brisson, Paris, France
Application May 1, 1939, Serial No. 270,974
In France August 12, 1938
13 Claims. (Cl. 188—78)



1. In a brake, a drum, a shoe having a working position in which it is in contact with the drum according to an arc of circle and a neutral position distant from said drum, in which the direction of the geometrical axis of symmetry of said arc passes in the vicinity of the geometrical centre of the drum, a bearing member, a link pivoted on said bearing member and on the shoe for exerting on the latter, in working position, a reaction of definite direction, a guiding pivot, a first arm pivoted on said pivot, a second arm pivoted on the shoe, and a friction joint connecting both arms so as to determine, in cooperation with the link, the path of the shoe between its two positions.

2,237,651
ELECTRONIC DEVICE
Ernst Bruche, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York
Application April 1, 1938, Serial No. 199,330
In Germany April 12, 1937
10 Claims. (Cl. 250—27)



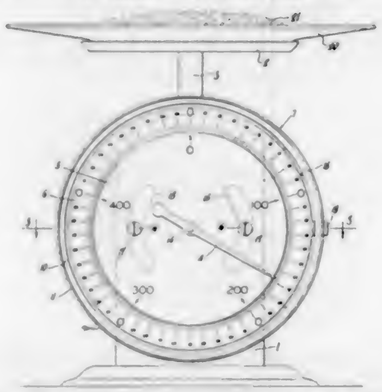
3. In combination, a cathode ray tube having a luminescent screen, means to project a beam of electrons within the tube upon the screen, a source of sinusoidal wave energy, means for producing a specially non-uniform deflecting field within the tube for deflecting the beam, and means to feed said field producing means from the source of sinusoidal wave energy, said field producing means being related to said source to produce deflections of said beam on said luminescent screen which vary linearly with respect to time.

2,237,652
SANDAL FOR MODERN DANCING
Salvatore Capezio, East Paterson, N. J.
Application September 26, 1938, Serial No. 231,685
7 Claims. (Cl. 36—8.3)



1. A sandal for semi-barefoot dancing, said sandal comprising a sole made of a relatively thick and relatively inflexible long-wearing sole material such as leather, and a relatively thin flexible skeletonized upper for extending from said sole about the foot in order to hold the sole on the foot, said sole being stiff enough compared to said upper to help locate itself properly in place beneath the bottom of said foot, said assembly of sole and upper being so short at the front as to expose the toes both at the top and at the bottom of the sandal, yet long enough at the front to protect the ball of the foot during the execution of turns by the dancer, said sole being of a width and configuration as to cover substantially all the surface of the foot normally contacting the floor at the ball region thereof.

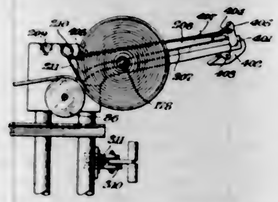
2,237,653
SCALE
George E. Chatillon, New York, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a corporation of New York
Application April 30, 1938, Serial No. 205,235
2 Claims. (Cl. 116—129)



1. Apparatus for indicating the magnitude of each of a series of cumulative loads which comprises a dial and a load pointer, the dial having a permanently fixed graduated part having a zero indication and a movable graduated part having five zero indications spaced to correspond with graduations of the fixed part, the movable part being adjustable to bring one of its zero indications in alignment with the load pointer after each weighing operation for all positions of the load pointer within a full 360 degree circle,

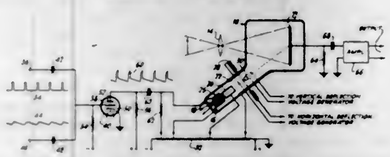
and means for limiting the movement of the movable part within an angle which is not less than 72 degrees and not more than 90 degrees.

2,237,654
FABRIC WINDING APPARATUS
Samuel Cohn and Jules G. Walter, New York, N. Y., assignors to Samcoe Holding Corporation, New York, N. Y., a corporation of New York
Original application February 24, 1938, Serial No. 192,310. Divided and this application December 23, 1939, Serial No. 310,668
2 Claims. (Cl. 242—65)



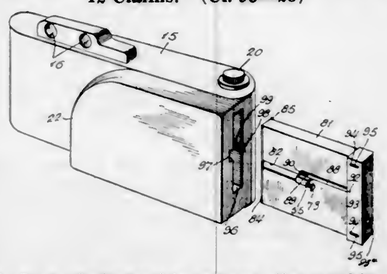
1. In a fabric winding machine having a drive roller and a mandrel on which the fabric is wound, the improvement consisting of inclined guideways for said mandrel leading away from said drive roller and holding the mandrel in operative position therewith at a given point as the mandrel becomes filled, and communicating guideways extending upwardly from their point of junction with said guideways and permitting a replacement mandrel to drop into operative position after removal of the filled mandrel.

2,237,655
TELEVISION SYSTEM
Robin D. Compton, Westport, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application October 29, 1938, Serial No. 237,635
7 Claims. (Cl. 178—7.2)



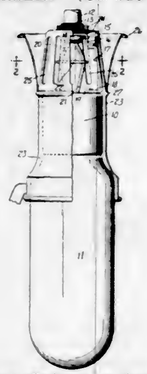
1. A television transmitting system comprising a cathode ray tube, a light responsive electrode in such tube upon which an optical image is adapted to be intermittently projected to produce a charge image on the electrode, means for producing a beam of electrons and for directing the beam in the direction of said electrode, means for deflecting the cathode ray beam in substantially mutually perpendicular directions in order to scan said electrode between each intermittent light projection to produce picture signals thereby, and means for cyclically varying the intensity of the cathode ray beam at a predetermined rate in synchronism with its deflection in one of said directions to compensate for undesired changes in the picture signal strength during each scanning cycle as a result of a change in the produced charge image during the time interval between the projection of the light image onto the electrode and the scanning of a particular portion of the electrode.

2,237,656
CAMERA
Sheldon M. Covell, New York, N. Y.
Application December 28, 1938, Serial No. 248,058
12 Claims. (Cl. 95—23)



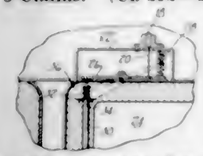
1. In a photographic camera, the combination of a casing having an exposure opening, means whereby the sensitized sections of a ribbon of photographic film may be adjusted into exposure registry with said exposure opening, and means whereby separate individual films may be conveyed into exposure registry with said exposure opening, said means being capable of selective use independently of each other.

2,237,657
LIGHTING FIXTURE
Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application May 3, 1939, Serial No. 271,434
6 Claims. (Cl. 240—78)



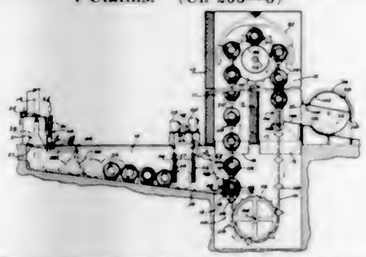
1. In a lighting fixture, a downwardly opening bi-post lamp socket, a bi-post lamp carried thereby, a socket support including a pipe and a yoke having a substantial vertical dimension and laterally open, current supply wires connected to the terminals of the socket and subject to high temperature rise incident to lamp operation, the wires extending upwardly from the socket and through the space provided by the yoke and into the pipe, and a socket cover disposed closely about the socket, the socket cover extending below the socket and about the top of the lamp to create a dead air space about the top of the lamp and restrict the circulation of air through the socket and extending above and about the yoke, the socket cover having ventilation openings above the socket occupying a substantial portion of its area whereby the air can freely circulate about the exposed wires and cool the wires below the pipe.

2,237,658
AUTOMOBILE DOOR LOCK RELEASE
Herbert H. Dyke, Larchmont, N. Y.
Application November 16, 1938, Serial No. 240,614
5 Claims. (Cl. 292—1)



1. Remote control means for a door latch mechanism which has internal means adapted to be positioned for rendering the outside handle of the latch mechanism selectively operable or inoperable, by local control means on the inner side of a door on one side of a vehicle, said remote control means comprising a manually manipulable member adjacent a second door on the opposite side of the vehicle, said manually manipulable member being rendered inaccessible from the exterior of the vehicle when said second door is closed, and accessible when said second door is open, and means operatively connected with said manually manipulable member for transmitting movement therefrom to the said internal means of the latch mechanism, for moving same, when so positioned as to render said handle inoperative, to position whereby said handle is rendered operative.

2,237,659
APPARATUS FOR HEAT TREATING ARTICLES
Karl C. Edwards, Chase, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1939, Serial No. 271,473
7 Claims. (Cl. 263—8)

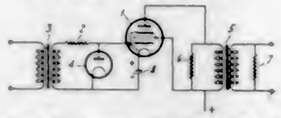


1. In an apparatus for heat treating articles, a vertical heating chamber having an entrance opening at the bottom end thereof, a trench adjoining said opening for containing a supply of articles to be treated, said trench containing a liquid adapted to completely submerge the articles therein and provide an air seal for the entrance opening of said heating chamber, and means for indicating whether said trench is filled with articles.

2,237,660
POLYFURCOUS FUEL
Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 14, 1939, Serial No. 250,936
4 Claims. (Cl. 44—9)

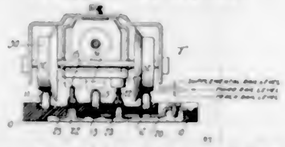
1. An anti-knock motor fuel for high-compression spark-ignition engines comprising a major proportion of gasoline hydrocarbons blended with a substantial anti-knock improving amount of an aliphatic mono-ester having two branched alkyl terminals and containing 7 to 12 carbon atoms in the molecule with oxygen present only in the ester linkage.

2,237,661
KEYING DEVICE FOR ULTRA-SHORT-WAVE TRANSMITTERS
Gert Ernst, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application November 18, 1938, Serial No. 241,166
In Germany October 7, 1937
1 Claim. (Cl. 250—36)



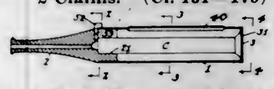
In a system for generating impulses of a definite duration separated by intervals of a definite duration, an electron discharge device having an anode, a cathode and a control grid, a reactor, means for impressing alternating current voltages on said reactor, a resistance in series with said reactor connected between said control grid and cathode, a diode rectifier having an anode and a cathode, means connecting said rectifier anode to cathode impedance in shunt to said series reactor and resistance whereby voltages alternate half cycles of which are of different amplitude are set up on the anode and cathode of said rectifier, means connecting the anode of said rectifier to the control grid of said device, a source of potential having its positive terminal connected to the cathode of said device and its negative terminal connected to the cathode of said diode rectifier, said source of potential biasing said diode cathode relative to the cathode of said device by an amount sufficient to substantially cut off the positive portion of the cycles of said sinusoidal potentials, a transformer having a primary winding connected to the anode of said device and a secondary winding from which impulses initiated by the negative portions of the cycles of said sinusoidal potentials only may be derived, and resistances in shunt to the primary and secondary windings of said transformer.

2,237,662
TOY RAILROAD
Henry J. Ferri, Port Richmond, Staten Island, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application December 5, 1939, Serial No. 307,577
7 Claims. (Cl. 191—29)



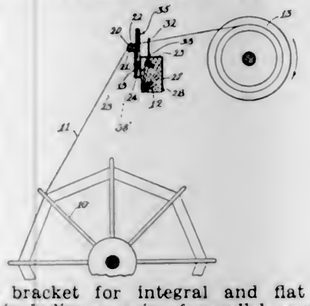
1. A toy railroad having a track layout comprising interchangeable track sections each having wheel bearing rails and a centrally disposed current conducting rail and a track switch with similarly arranged wheel bearing and current conducting rails, and a toy train having trucks provided with wheels bearing on the wheel bearing rails, a current collector bearing on the current conducting rails, and wherein at least one truck has an off-center current collector fixedly secured between the wheels in a position to be above the central rails and the wheel bearing rails so as to clear all the rails of the track switch, and wherein at least one section of track includes a supplemental conducting rail in the path of the off-center current collector and has spring means urging the supplemental rail upwardly above the level of the other rails for engagement with the off-center current collector.

2,237,663
CIGARETTE HOLDER
Richard Fullarton, Detroit, Mich.
Application March 8, 1938, Serial No. 260,539
2 Claims. (Cl. 131—175)



1. A cigarette holder comprising a mouthpiece having a bore adapted to receive the end of a cigarette and having thereupon a metallic casing surrounding the cigarette in concentric spaced relation and provided with a plurality of radial, inwardly projecting longitudinal metallic fins for retaining said cigarette concentrically therewith and for rapidly conducting heat away from the cigarette.

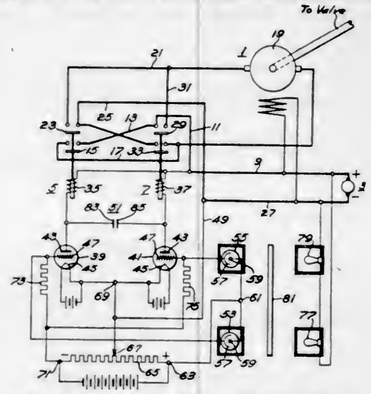
2,237,664
BRACKET FOR THREAD CLEANERS
John Glet, Jamaica, N. Y., and Henry Miedendorp, Jr., Glen Rock, N. J.
Application August 22, 1939, Serial No. 291,339
3 Claims. (Cl. 28—70)



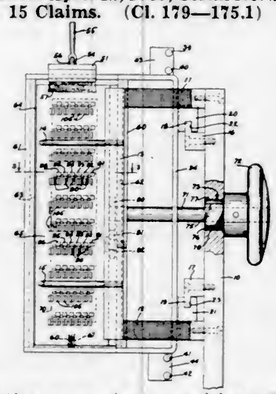
1. A bracket for integral and flat cleaner blades including a pair of parallel, spaced and springable blade clamping walls between which the cleaner blade is inserted and frictionally engaged, lateral guide members between said pair of blade clamping walls to prevent lateral play of the cleaner blade therewithin, a boss member on one of said walls to frictionally and detachably lock the cleaner blade in operative position between the said pair of walls, a third parallel, springable wall spaced from and forming with one of the cleaner blade clamping walls a second pair of clamping walls to frictionally engage a member to which the bracket is attached.

2,237,665
CONTROL APPARATUS
Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1938, Serial No. 232,651
1 Claim. (Cl. 250—41.5)

In combination with a source of uni-directional current and a load to be supplied thereby, a pair of grid-controlled electrical discharge devices each having an anode, a cathode and a control electrode, a common connection to the cathodes of said two discharge devices joining them to the negative terminal of said source, a separate connection embodying one of said operating coils from the anode of each said discharge device to the positive terminal of said source, a capacitor having its terminals respectively connected to the respective anodes of said discharge devices, one of said circuit interrupting means being adapted to connect said load to said source with one polarity when its associated operating coil is energized and the other said circuit interrupting means being adapted to connect said load to said source with the opposite polarity when its associated operating coil is energized, photo-sensitive means connected to one of said discharge devices to render the latter conductive when it is illuminated, a second photo-sensitive means connected to the control electrode of the other of said discharge devices to render the latter condutcive when said second photo-sensitive means is illuminated, and float actuated means for so controlling the illumination incident upon said two photo-sensitive devices that they are never simultaneously illuminated.



2,237,666
TESTING APPARATUS
Arvid N. Hanson, Hinsdale, and Stanley F. Warner, Forest Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 12, 1939, Serial No. 267,422
15 Claims. (Cl. 179—175.1)



1. A testing apparatus comprising a frame for

supporting an article to be tested, a plurality of contacting elements for engaging spaced parts of the article to be tested, and a lever for moving said contactors simultaneously in one plane into position to engage parts of the article to be tested and for moving said contactors in another plane to engage the parts of the article.

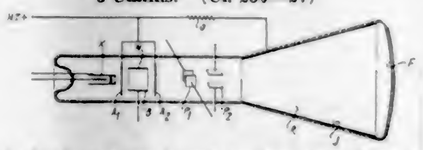
2,237,667

CATHODE RAY TUBE RECORDING DEVICE

Walter Heimann, Berlin, Germany, assignor to Allgemeine Elektricitats-Gesellschaft, Berlin, Germany

Original application May 4, 1934, Serial No. 723,835, now Patent No. 2,170,819, dated August 29, 1939. Divided and this application July 6, 1939, Serial No. 282,974. In Germany May 9, 1933

3 Claims. (Cl. 250—27)



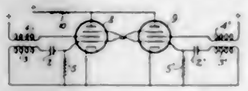
1. An image producing system comprising an electron emitting cathode, a first anode, a second anode, a cylindrical control electrode intermediate the first and second anode, a luminescent screen, a tubular electrode intermediate said second anode and said screen, deflecting means intermediate said second anode and tubular electrode, means to maintain said first and said second anode at the same potential, and resistance means connected to said first and second anode and to said tubular electrode for maintaining said tubular electrode at a potential different from that of the first and second anode.

2,237,668

OSCILLATOR CIRCUITS

Dietrich Hermann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 22, 1938, Serial No. 247,166
In Germany December 23, 1937
3 Claims. (Cl. 250—36)



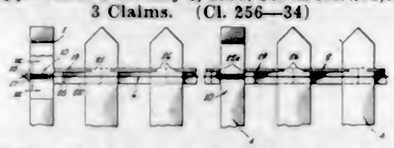
1. A system for producing frequency division comprising a pair of discharge tubes each having a cathode, a control electrode, a screen grid electrode, a suppressor electrode and an anode, means for connecting the control electrode of each tube to the suppressor electrode of the other tube, means including a pair of resistances each for connecting a control electrode to the associated cathode of each tube, two pairs of mutually coupled inductances, means including a condenser for connecting one inductance of each pair in parallel with each of said resistances, means for connecting the other inductance of each pair between a source of positive potential and the screen grid electrode of each tube so that neither tube passes current from anode to cathode unless both are permitted to so pass current, and an anode circuit including a single impedance for maintaining both anodes positive with respect to the cathodes, whereby the frequency of the current present in the anode circuit will be a sub-multiple of the frequency applied individually to the control electrodes of each of the tubes.

2,237,669

FENCE CONSTRUCTION

Brown Higman, Pico, Calif., assignor to Harold W. Mattingly

Application February 6, 1939, Serial No. 254,880
3 Claims. (Cl. 256—34)



1. In a fence construction having a plurality of fence posts spaced from each other, a plurality of fence rails extending between said posts, and a plurality of fence members disposed transversely of said rails and secured thereto, the combination of: a plurality of fence rail units, each of which extends between adjacent fence members; a plurality of notches in each of said members; a notch and web construction carried by each of said units, said notch being arranged to encompass one edge of said fence member while said web enters said notch carried by said member; and tension means extending between adjacent posts and inter-engaging each of said units and members for drawing said posts toward each other and securing said rails and members therebetween.

2,237,670

PROCESS OF DEWAXING HYDROCARBON OILS

Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 2, 1938, Serial No. 243,558
4 Claims. (Cl. 196—18)

1. As a dewaxing diluent, a mixture containing symmetrical dichloro ethane and trichloro ethylene in a ratio adapted to cause precipitation of wax from petroleum stock without substantial precipitation of paraffinic oil from said stock upon dilution and chilling of said stock with the mixture, said mixture containing also a sufficient proportion of dichloro methane to render the resulting mixture non-inflammable.

2,237,671

ELECTRON DISCHARGE DEVICE

Heinz Erwin Kallmann, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain

Application April 8, 1939, Serial No. 266,730
In Great Britain February 15, 1939
9 Claims. (250—158)



1. An electron discharge tube comprising an elongated envelope, an electron emitting cathode at one end of said envelope, a target electrode positioned at the other end of said envelope and

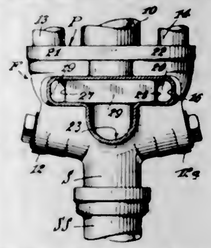
in register with said cathode, an electrode system for focusing electrons from said cathode into a beam, said electrode system being positioned intermediate said cathode and said target electrode and in register therewith, at least three deflecting systems each adapted to be excited by an individual source of energy positioned intermediate said electrode system and said target electrode, said deflecting systems being adapted to additively deflect said beam of electrons in a single common plane across said target and terminal means connected to said target electrode to derive an output potential in accordance with the deflection of said beam.

2,237,672

PLUMBER'S FITTING

Edward Kennedy, New York, N. Y.

Application June 22, 1939, Serial No. 280,563
2 Claims. (Cl. 285—210)



1. As a new article of manufacture, a plumber's fitting adapted to be interfitted with waste-stack sections in a building having numerous fixtures intended to be connected-in to said waste-stack and requiring to be vented; said fitting comprising in a unitary structure a body provided with a central waste channel having spigot and socket terminals adapted to be connected into the waste-stack, said body having a set of lateral inlets constructed and arranged to receive selectively from different sides of said channel lead-in connections from one or more of said plumbing fixtures, said body having a set of outlet openings from said central channel adapted to be connected selectively with vent pipes, and said body further having a cross-passage in communication with said central waste channel and with each of said vent outlets and having a throat extending downwardly along said central waste channel between said lateral inlets, said inlets and outlets being so constructed and arranged that all of the waste lines are served by all of the vent lines, regardless of the number of said lines and of the direction from which they are connected-in, said fitting constituting a complete unit, ready for use, and adapted to be stored, transported, marketed and installed as such.

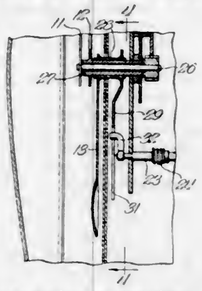
2,237,673

ELECTRIC CLOCK

Richard P. Landgraf, Chicago, Ill.

Application July 24, 1939, Serial No. 286,116
6 Claims. (Cl. 58—26)

5. In an electric clock, a dial face, a synchronous motor, a time train mechanism driven by said motor, and including a shaft and sleeve extending through said dial face, said shaft and sleeve carrying hour and minute hands respectively, a sleeve extending through said dial face concentric with said shaft and journaled on said first-mentioned sleeve, a pendulum member mounted on the said last-mentioned sleeve and against the said dial face, a slotted arm on the last-mentioned sleeve behind said dial face, and a crank secured to a rotating shaft forming a



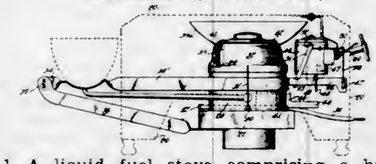
part of the time train mechanism, said crank extending into said slot of said arm whereby to cause reciprocation of said sleeve and pendulum.

2,237,674

LIQUID FUEL STOVE

Donald H. Lapointe, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application November 1, 1937, Serial No. 172,122
17 Claims. (Cl. 158—42.1)



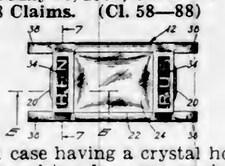
1. A liquid fuel stove comprising a burner, an electric motor, a motor operated blower for blowing air to the burner to maintain combustion under forced draft, and means responsive to the failure of current supply to the motor for snuffing out the burner flame.

2,237,675

INITIAL WRIST WATCH CASE

Benjamin Lazrus, Lawrence, Long Island, N. Y., assignor to Benrus Watch Company, New York, N. Y., a corporation of New York

Application May 18, 1939, Serial No. 274,369
18 Claims. (Cl. 58—88)



15. A watch case having a crystal holding section at its exposed top face, an opening through the top of the face outside the crystal holding section, separable and interchangeable initials inserted from beneath and exposed through said opening, and means to seal the case against the admission of dust to the watch movement through the initial openings.

2,237,676

DEVICE FOR CUTTING AND TRIMMING HAIR

Harrison Lewis, San Francisco, Calif.

Application February 9, 1940, Serial No. 318,081
1 Claim. (Cl. 30—30)

A hair cutting and trimming device comprising

a base having an upper surface which is curved upwardly adjacent to the front thereof, a partial comb structure extending from the front of said base, each tooth of the structure having an enlarged front portion defining substantially vertical sides thereon, a ridge on said upper surface, a threaded stud on said base piercing said ridge and extending substantially at a right angle from the center of said base, a blade having a central hole as well as an elongated slot therein for passing said stud and said ridge; said blade being adapted to be removably seated on said upper surface with its cutting edge abutting the backs of the teeth of said comb structure on said base, a plate removably overlying said blade; said plate having a central hole as well as a recess in its lower surface for passing said stud and receiving said ridge, a partial comb structure extending from said plate, each tooth thereof having substantially vertical sides; said partial comb structure of said plate combining with said partial



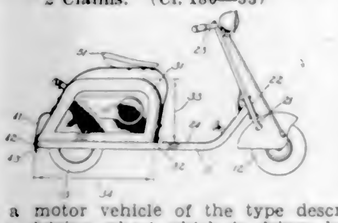
comb structure of said base to form a complete comb the teeth of which have relatively high, substantially vertical sides for lifting the hair into position for cutting, inclined guides between the teeth of the partial comb structure on said plate; each of said guides being transversely flat and extending from a point in proximity to the cutting edge of said blade upwardly and rearwardly to the rear of said teeth, said guides serving to convey hair that has been cut away from the cutting edge of said blade, and a handle removably attached to said stud so as to extend substantially at a right angle from said plate and bearing thereon when tightened on said stud to firmly hold said plate and said blade in operative position on said base; said handle serving to draw the device over the head with a substantial portion of the bottom of said base bearing on the scalp and with the cutting edge of the blade presented at any desired angle to the scalp whereby an even, tapering, short, long or medium trim of the hair can be made.

2,237,677

HOOD FOR MOTOR DRIVE VEHICLES

Howard B. Lewis, Venice, Calif., assignor to Salsbury Corporation, Inglewood, Calif., a corporation of California

Application September 30, 1940, Serial No. 359,059
2 Claims. (Cl. 180—33)



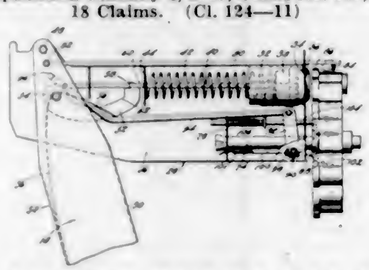
1. In a motor vehicle of the type described having a driving wheel which is driven by an engine through suitable driving mechanism, a steering wheel whose angular position with relation to the body of the vehicle can be controlled by suitable steering mechanism, and a frame supported by said wheels, said steering mechanism extending upwardly from the forward portion of said frame, and said engine extending upwardly from the rearward portion of said frame, the combination of: a hood supported on said frame and enclosing said engine; hinges securing the front end of said hood to said frame; and releasable means rigidly securing said hood to said frame in an engine enclosing normal position in which said hood so encloses said engine, the proportions of said hood being such that when it is turned about said hinges through an angle of approximately 90° the hood lies between said steering mechanism and said engine, said hood being of such a shape that it will substantially clear all parts enclosed thereby as it is so turned.

2,237,678

REPEATING CORK-SHOOTING TOY

Raymond J. Lohr and Robert C. Straw, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

Application January 4, 1939, Serial No. 249,182
18 Claims. (Cl. 124—11)



3. A toy weapon comprising a cylinder, a piston movable in said cylinder, a cork magazine rotatably mounted at one end of said cylinder and having a series of individual cork-receiving chambers, a gasket at the end of the cylinder, intermittently operable means for pulling the magazine against the gasket to form a sealed connection therebetween, intermittently operable means for rotating the magazine ahead to the next cork chamber when the sealing means is released, and means for actuating said piston in the cylinder in order to eject the cork then held in front of the cylinder by the magazine.

2,237,679

ELECTRON DISCHARGE DEVICE

Hans Gerhard Lubszynski, Hillingdon, and James Dwyer McGee, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application November 10, 1938, Serial No. 239,750
In Great Britain November 10, 1937
4 Claims. (Cl. 250—150)



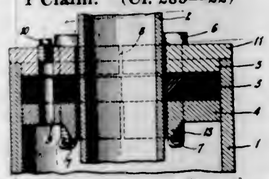
1. An electron discharge device comprising an electron pervious mosaic screen structure, a plurality of photo-voltaic cells positioned on one side of said screen, said screen structure being adapted to receive an optical image on the side thereof on which the voltaic cells are positioned, a source of primary electrons comprising an annular cathode surrounding the optical axis and positioned adjacent the side of the screen upon which the light image is projected, means for directing the electrons from said source so as to form a flooding beam covering substantially the entire screen surface, the photo-voltaic cells of said electron pervious screen being adapted to assume electrical charges in accordance with the intensity of the light image projected thereon so that the flooding stream of electrons in passing through the electron pervious screen will be modulated in accordance with the charges, a target electrode having an area commensurate to the area of said screen structure positioned parallel to and spaced from the electron pervious screen and on the side thereof opposite the side on which the voltaic cells are positioned, and means for focusing and directing the modulated flooding stream of electrons which are permitted to pass through the electron pervious screen onto said target electrode.

2,237,680

WELL CAP

Harry R. Mark, Evanston, Ill., assignor to Clayton Mark & Company, Chicago, Ill., a corporation of Delaware

Application December 13, 1937, Serial No. 179,393
1 Claim. (Cl. 285—22)



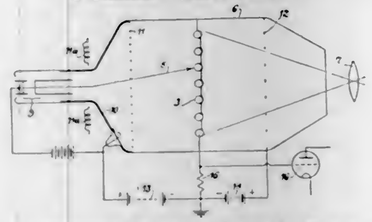
A sealing cap for a water well casing, comprising upper and lower split discs, a divided resilient packer arranged between said discs, said discs and packer having cylindrical inner and outer surfaces for engagement with a drop pipe and well casing, respectively, said upper disc having a peripheral flange forming a shoulder for engagement with the end of a well casing to support the cap assembly thereon, and means passing through the assembled discs and packer for drawing said discs toward each other whereby the resilient packer is forced to flow laterally into holding and sealing engagement with the drop pipe and well casing.

2,237,681

TELEVISION TRANSMITTING TUBE

James Dwyer McGee, Ealing, London, and Hans Gerhard Lubszynski, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application December 2, 1938, Serial No. 243,634
In Great Britain December 3, 1937
3 Claims. (Cl. 250—150)



1. An electron discharge device for the generation of picture signals comprising an evacuated housing, a double-sided mosaic screen positioned in said housing including a conducting grid-like structure, insulating material covering substantially all of the grid-like structure with portions of the grid-like structure extending through the insulating material along one side of the structure, a plurality of individual conducting elements located in the interstices of the grid-like structure and supported by the insulated material in order that the elements may be capacitively associated with said structure, a light responsive coating on the side of each of the individual elements opposite the said one side of the structure whereby a charge image is stored on the double-side mosaic screen when a light image is projected thereon, means for scanning the portions of the grid-like structure that extend through the insulating material, the scanned portions of the structure being adapted to release secondary electrons as a result of the scanning operation, the scanning operation serving to restore the elements of the mosaic screen to a predetermined datum potential, electrode means for collecting the secondary electrons released from the scanned side of the mosaic, and means for maintaining the grid-like structure at a negative potential with respect to said collecting electrode means whereby the spread of electrons over the individual elements is reduced or substantially prevented.

2,237,682

GREASE CONTAINING ASPHALT

Lester W. McLennan, Richmond, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application August 24, 1935, Serial No. 37,755. Renewed January 16, 1939
5 Claims. (Cl. 252—39)

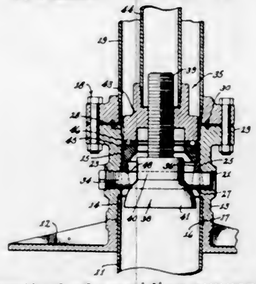
1. A grease comprising a major proportion of mineral oil thickened with a calcium soap in amount sufficient to impart cup grease consistency, and between about 10% and 25% of an air blown asphalt having a melting point according to the A. S. T. M. ball and ring method between about 140° F. and about 155° F. and a penetration at 77° F. of 30 to 40 according to the A. S. T. M. method.

2,237,683

METHOD AND APPARATUS FOR SUSPENDING WELL CASING

Burt S. Minor, Whittier, Calif., assignor to Regan Forge & Engineering Company, a corporation of California

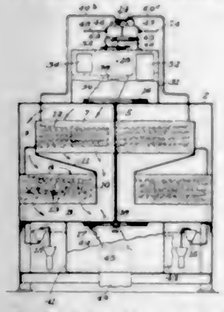
Application April 24, 1939, Serial No. 269,703
19 Claims. (Cl. 166—14)



1. The method of providing supporting means in a casing head member having an inner annular recess therein which comprises providing

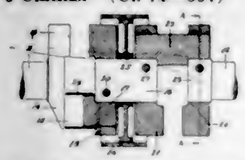
an expander, placing a supporting ring on said expander, lowering said expander and ring into said casing head member to position said ring opposite said recess, and operating said expander to position the lower part of said ring in said recess.

2,237,684
METHOD OF AND APPARATUS FOR TREATING GASES
William E. Moore, Pittsburgh, Pa., assignor, by mesne assignments, to Delaware Engineering Corporation, Wilmington, Del., a corporation of Delaware
Application July 31, 1939, Serial No. 287,461
9 Claims. (Cl. 183—4)



1. The method of treating gas with a reagent contained in a series of compartments which comprises dividing the flow of gases in such a manner that a portion of the total gas flow is passed through one compartment and the remainder through an adjoining compartment in predetermined relative portions, intermittently advancing the flow through the series of compartments while maintaining said division of flow while reversing the proportions of said rate of flow relative to each other, and maintaining a flow of conditioning fluid through ducts in said compartments which flow of conditioning fluid is substantially proportional to the rate of flow of gas through said compartments.

2,237,685
ASSEMBLED CRANKSHAFT
Alfons H. Neuland, Cleveland, Ohio
Application April 29, 1940, Serial No. 332,212
6 Claims. (Cl. 74—597)



1. In a crankshaft a main journal having a plug extending beyond the journal surface provided with an axially parallel and concentric, with respect to said main journal, convex mating surface, a crankpin having a journal surface and a convexly cylindrical plug extending beyond the journal surface, means for aligning the axes of said journals in parallel relationship comprising an axially parallel, with respect to the crankpin journal, arcuate groove in said crankpin plug forming a concave mating surface associated with and having the same radius as said convex mating surface, and means for locking said plugs firmly together which includes a clamp housing surrounding said plugs and a clamping element associated with said housing extending transversely through the housing and through said main journal plug and adapted to force said mating surfaces firmly together.

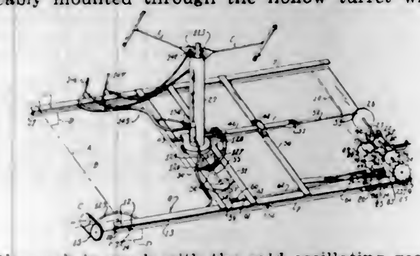
2,237,686
BAILER
Ross Parr, Huntington Beach, Calif.
Application June 23, 1939, Serial No. 280,841
1 Claim. (Cl. 166—19)



In a suction type bailer: a barrel formed at one end with a transverse opening, a nut threaded to said barrel and provided with a transverse opening adapted to register with the opening in said barrel when the nut is turned, a valve carried by said nut to permit entrance of fluid within the barrel and to stop exit therefrom at the valve zone, an annular nut carried by the opposite end of said barrel, a plunger loosely fitted within the barrel, said plunger provided with a fluid actuated valve adapted to remain closed during an upward stroke of the plunger to open the other of said valves and permit entrance of fluid within the barrel, the plunger valve opening upon a reverse reciprocation of the plunger within the barrel, a stem passed through the annular opening of said annular nut and secured to said plunger to permit when actuated reciprocation of the plunger within the barrel; the fit between the stem and the annular opening of said nut being such that any fluid trapped above the said plunger is obstructed sufficiently as to passage outwardly through the annular opening of said nut to exert a fluid pressure against the top of the plunger and provide a fluid seal between the periphery of the plunger and the barrel during an upward stroke thereof; movement of the nut at the opposite end to align the transverse bore thereof with the transverse bore of the barrel relieving fluid pressure within the barrel to permit removal of the fluid from said barrel after the barrel is filled with fluid.

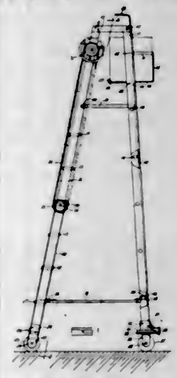
2,237,687
SPRAYING DEVICE
Lee Parsons and Charles R. Potter, Sonoma, Calif.
Application August 23, 1939, Serial No. 291,480
2 Claims. (Cl. 299—37)

1. In a device of the kind described, a frame for attaching horizontally at the rear of a truck, a hollow turret rotatably mounted on the frame for oscillation on a vertical axis, spray arms pivoted to the turret for oscillation on horizontal axes, oscillating gears at the inner ends of the spray arms, a gear-toothed rack-bar reciprocably mounted through the hollow turret with



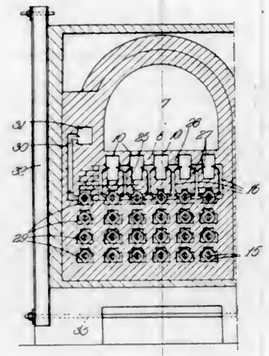
the rack in mesh with the said oscillating gears, means for oscillating the turret, and separate means for reciprocating the rack-bar.

2,237,688
TRACTIONALLY OPERATED LADDER
Jacob Harvey Phillips, Cincinnati, Ohio, assignor of ten per cent to Lawrence E. Eichel, and forty-five per cent to Carl A. Mayer, both of Cincinnati, Ohio
Application September 13, 1939, Serial No. 294,693
4 Claims. (Cl. 228—15)



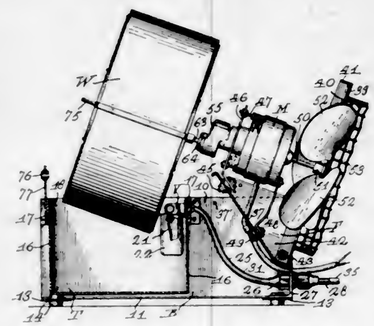
1. A movable ladder structure comprising side link members, a pair of step carrying front legs and a pair of prop members, the upper end of each of said front legs being anchored to opposite sides of the front portion of the side link members, the upper end of each of said props being pivotally secured to opposite sides of the rear portion of the side link members, a drive wheel disposed on the lower end of each front leg, and a steerable wheel disposed on the lower end of each prop member, means for simultaneously driving each drive wheel from the upper portion of the ladder structure, said driving means comprising a pair of drive pulleys, one operably associated with each drive wheel, a master drive shaft extending transversely of the front legs, the opposite ends of said master drive shaft projecting beyond the sides of each front leg, a pair of pulleys, one disposed on each end of said master drive shaft in vertical alignment with one of said drive wheel pulleys, yieldable drive means interconnecting each pair of vertically aligned pulleys, and means to actuate said master drive shaft, each of said drive wheels being adapted to rotate at different speeds during those periods of time when the ladder structure is being turned and the drive wheels are being moved in an arc, whereby the tendency for the structure to topple over while being turned is overcome.

2,237,689
CARBONIZATION APPARATUS
Franz Puening, Claygate, England
Application June 18, 1938, Serial No. 214,499
In Great Britain June 18, 1937
2 Claims. (Cl. 202—146)



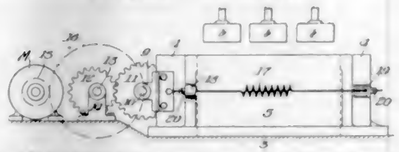
1. A coking oven including an upper coking chamber having a continuous horizontal floor, lower regenerator chambers, and between said coking chamber and said regenerator chambers, a combustion flue having a horizontal floor also continuous except for ducts the upper openings of which lie wholly above, and spaced from, the floor and which ducts place in communication said combustion flue and regenerator chambers.

2,237,690
AIR CONDITIONING APPARATUS
Raymond A. Robic, Outremont, near Montreal, Quebec, Canada
Application March 15, 1939, Serial No. 262,074
4 Claims. (Cl. 261—30)



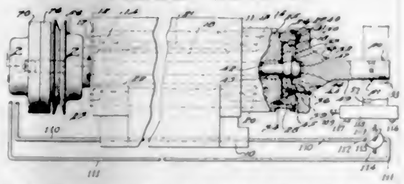
1. In air conditioning apparatus, a base member, a frame member pivotally connected with the base member, a motor supported on the frame member, an air treating wheel having driving connection with the motor, a fan adapted to blow a current of air through the wheel having driving connection with the motor, and a transversely curved hood supported on the base member and covering the rotary mechanism and having a transverse ridge shaped to direct the air from the blower into the wheel and prevent passage thereof between the periphery of the wheel and the hood.

2,237,691
MANUFACTURE OF BUILDING BLOCKS
Francis J. Straub, New Kensington, Pa.
Application January 11, 1939, Serial No. 250,370
8 Claims. (Cl. 25—41)



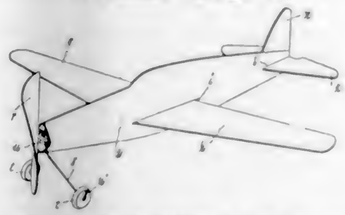
2. A block making machine consisting of a mold having a supporting frame and side and end plates carried thereby, one of said plates consisting of a movable troweling member, and means for reciprocating the wall plate back and forth through full length strokes with alternating simultaneous multiple shorter length strokes consisting of a driving gear, a driven gear on the movable troweling member engaging the driving gear, and a spring connected with the movable troweling member for holding the said gears in mesh.

2,237,692
TOOL SPINDLE
Gilbert D. Stewart, Detroit, Mich., assignor to Ex-Cell-O Corporation, a corporation of Michigan
Application April 12, 1937, Serial No. 136,301
7 Claims. (Cl. 77—3)



1. In combination, a rotary spindle, a cutting tool member adjustably carried by the spindle for adjustment transversely of the spindle axis, means including fluid pressure responsive means carried by and rotatable with the spindle for adjusting the tool, a stationary head having surface contact with a portion of the spindle, and means for supplying fluid to the fluid pressure responsive means including coinciding fluid conducting openings in the contacting surfaces.

2,237,693
TOY AIRPLANE AND METHOD OF MAKING THE SAME
Thomas D. Wildon, Reading, Mass., assignor to Paul K. Guillow, Wakefield, Mass.
Application August 15, 1939, Serial No. 290,227
15 Claims. (Cl. 46—78)



1. The method of making a toy airplane body which consists in providing two body blanks or side pieces, securing said side pieces together side by side at their edges, treating them to make them pliable, spreading them apart longitudinally between their connected edges to give the body a convex hollow molded formation, and causing the body to become set in such formation.

8. A toy airplane body of hollow molded formation consisting of side pieces connected together at their longitudinal edges by cement, and a spreader occupying the interior of the body in the widest portion thereof in supporting contact at its lateral edges with the inner surfaces of the body.

2,237,694
TOOTHBRUSH
Benjamin Altstadt, New York, N. Y.
Application February 16, 1939, Serial No. 256,627
7 Claims. (Cl. 15—167)



1. A prophylactic instrument for the simultaneous stimulation of the mucous membrane and cleaning of its adjacent cervical enamel in but only one of the areas known as buccal and lingual, said instrument comprising, in combination, a handle, a plurality of short, bristle-holding shafts, each connected to said handle and set off therefrom, a plurality of bristle tufts held in each shaft, said bristle pluralities making an obtuse angle with each other and an acute angle with a line joining the centers of said shafts.

2,237,695
SOUNDING BOARD FOR PIANOS
Homer W. Bell, Lovelock, Nev.
Application December 28, 1937, Serial No. 182,037
1 Claim. (Cl. 84—192)



A piano comprising: a primary sounding board; spacing members secured around the marginal edges of said primary board; a supplementary sounding board overlying said primary board and secured about its marginal edges to said spacing members; a resilient resonant block secured to said primary board in spaced relation therewith; a resilient resonant block secured to said supplementary board in spaced relation therewith; and means associated with said blocks for holding them under tension.

2,237,696
CIRCULAR WINDOW STRUCTURE
Charles H. Biederman, Cincinnati, Ohio
Application August 18, 1939, Serial No. 290,907
7 Claims. (Cl. 189—164)

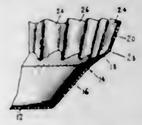
1. In a window structure of the class described, the combination which comprises an open substantially full-circular window frame comprising a curved metallic strip of channel formation having its ends abutted and permanently joined together, and having a pair of spaced parallel annular flanges directed radially inwardly, with an intermediate annular track disposed between said flanges, one of the flanges being cut away along

a limited portion of its circumference to the level of the annular track surface, providing a water escape gutter and a sash releasing port, a pair of pivotless annular ring-shaped metallic sashes each comprising a U-shaped strip of a width approximating one-half of the distance between the frame flanges, the sashes both being seated rotatably between the frame flanges with the opposed legs of the U-strips in flatwise firm but sliding contact upon the flanges and upon one another throughout substantially the full circumference of both sashes to furnish a self-suffi-



cient weather seal, the bases of the U-strips riding upon the annular track of the circular frame, and a pair of semi-circular translucent sheets each embraced between the opposed legs of a U-shaped sash strip, for together providing a full closure for the window structure when the sashes are rotated to dispose the sheets in diametrically opposed relationship, the sash which is adjacent to the cut-away portion of the frame being severed transversely at a location opposite to the translucent sheet of that sash, whereby the latter may release accumulated water and be distorted for removal from the frame.

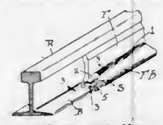
2,237,697
PIE PLATE OR THE LIKE
George H. Brown, Highland Park, Ill.
Application March 9, 1940, Serial No. 323,133
7 Claims. (Cl. 53—6)



5. A pie plate or other dish comprising a bottom, and a peripheral side wall upstanding from said bottom and flaring outwardly thereof, said side wall having a peripheral ledge portion projecting outwardly thereof completely therearound above said bottom, and a rim bent upwardly from said ledge portion at the outer edge thereof and extending completely therearound, said rim part having vertically disposed flutes therein extending upwardly for the full depth thereof from said ledge.

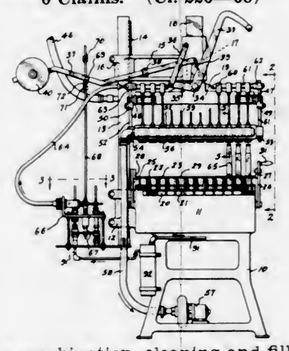
2,237,698
RAIL BOND
Noble G. Carlson, Cleveland Heights, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application September 28, 1938, Serial No. 232,154
2 Claims. (Cl. 173—262)

1. In combination with adjoining rail sections and a splice bar connecting said sections, said splice bar having a portion overlying the bases of said rail sections; a rail bond comprising a stranded conductor extending over said portion of said splice bar, sleeves secured to the ends of said conductor and overlying the upper edges of the ends of said portion of said splice bar, portions of said conductor and sleeves being bent



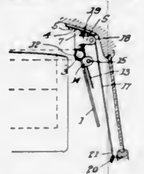
to lie in planes substantially normal to the axis of said conductor closely adjacent the ends of said portion of said splice bar, and terminals secured to said sleeves, said terminals being attached to said bases of said rail sections.

2,237,699
BOTTLE FILLING AND CLEANING DEVICE
Paul R. Fechheimer, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 25, 1937, Serial No. 144,678
6 Claims. (Cl. 226—68)



1. In a combination, cleaning and filling device for containers, a support for containers, a vertically reciprocable filling head and a vertically reciprocable cleaning head, means for bringing said heads substantially simultaneously into operative relationship with containers, and means independent of said last mentioned means for terminating the cleaning operation after the passage of a predetermined length of time.

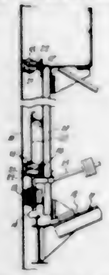
2,237,700
VISOR
Julius Goldman, Los Angeles, Calif.
Application November 13, 1939, Serial No. 303,983
2 Claims. (Cl. 296—97)



1. A visor for automobiles comprising a bracket secured in the upper part of an automobile, a translucent roller shade mounted on said bracket to be drawn down adjacent the windshield of the automobile, a second translucent shade mounted on said bracket to be brought behind said first translucent shade or adjacent a side window of

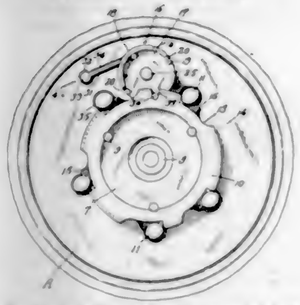
the automobile, and an opaque roller shade mounted on said second translucent shade to be brought adjacent said second translucent shade, when said second translucent shade is drawn down behind said windshield, and adjacent the inner side of said second translucent shade when said second translucent shade is brought adjacent a side window of the automobile.

2,237,701
GUIDE ROLLER MOUNTING FOR PISTONS OF GASHOLDERS
William Edward Gruening, Cincinnati, Ohio
Application March 23, 1938, Serial No. 197,739
4 Claims. (Cl. 220—26)



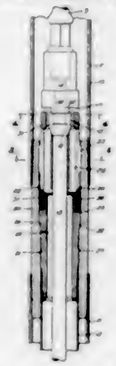
1. In a tank construction, a tank wall, a floating piston movable vertically within said tank, pairs of L-shaped bracket members disposed around said piston, a guide roller disposed between the bracket members of the respective pairs, said brackets having slotted extended portions adapted to receive an axle, an axle traversing said roller in each instance and having its opposite ends extended beyond the brackets, said brackets including angular foot portions and compression springs engaged between the respective foot portions and the axle for urging the rollers outwardly against the tank wall.

2,237,702
DETACHABLE WHEEL
Thomas Harrison, Flint, Mich.
Application February 24, 1940, Serial No. 320,683
2 Claims. (Cl. 301—9)



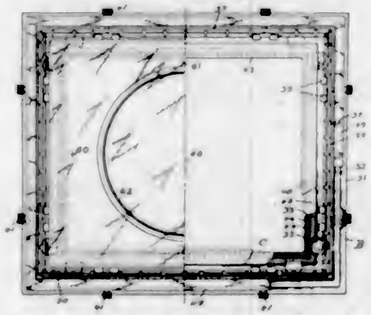
1. A demountable wheel comprising a hub structure, a wheel structure, grooved studs projecting from the hub structure, said wheel structure having openings for receiving the studs, a rotatably mounted annulus on the wheel structure having cut-outs for receiving the studs, said rotatable annulus being adapted to be rotated to dispose portions of its periphery in the slots of the studs, a rotatable disc mounted on the wheel structure, a pin and slot connection between the disc and the annulus whereby the annulus is rotated as the disc is turned, wrench engageable means on the disc, a spring arm having one end anchored to the wheel structure and provided with a laterally disposed tapered head at its free end for riding engagement against one side of the disc, said disc having an opening therein for receiving the tapered head when the disc and annulus have been rotated to a position with portions of the periphery of the annulus disposed in the grooves of the studs.

2,237,703
WELL PUMP LOCK
Daniel W. Hoferer, Long Beach, Calif.
Application May 24,1938, Serial No. 209,689
6 Claims. (Cl. 103—219)



1. A device for suspending a well pump from a tubing shoe having an internal seat and an opening of uniform diameter extending upwardly from the seat, the device including, a tubular mandrel connected with the upper end of the pump and extending into the shoe, a shoulder on the mandrel engaging the seat whereby the mandrel suspends the pump, and a ring on the upper end of the mandrel having a portion of enlarged external diameter frictionally gripping the wall of said opening and longitudinal slots extending through said portion rendering the same flexible.

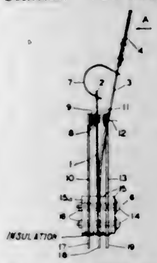
2,237,704
VACUUM HOLDER FOR NEGATIVE PLATES
William C. Huebner, New York, N. Y.
Application March 29, 1939, Serial No. 264,803
11 Claims. (Cl. 95—76)



1. In a vacuum holder for negative plates, the

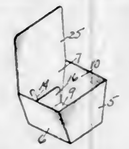
combination with a supporting member having a central opening for the passage of light and provided with registering formations cooperable with complemental registering formations of a photocomposing machine and also provided with supplemental registering formations and correlated to the first named registering formations, said supplemental registering formations being adapted to cooperate with complemental registering formations of attachable and detachable registering devices; of a negative plate-holding frame having a central opening for the passage of light, said frame being mounted on the supporting member and provided with an upstanding wall extending uninterruptedly around the frame; air sealing means on said wall adapted to engage a press plate during an exposure; means for adjusting said frame in a plane paralleling the plane of the supporting member and to lock said frame in adjusted position; a plate leveling frame disposed within the light opening of the negative holding frame and having also a central opening for the passage of light, said leveling frame being adjustable relative to the negative holding frame in a direction perpendicular to the plane of adjustment of the holding frame on the supporting member to thereby accommodate negative plates of different thicknesses with their contact surfaces flush with said air sealing means of the negative holding frame; combined air sealing and friction holding means between the negative holding frame and leveling frame; air sealing means on the plate supporting surface of the leveling frame; air gap-bridging bars mounted on the negative holding frame between said wall of the latter and the leveling frame, said bars being adapted to engage the edges of a negative plate supported on said leveling frame and to lock the negative plate in position; and means for adjusting the position of said bars, the vacuum holder being provided with an exhaust port communicating with the sealed off area and adapted to be connected with a source of suction.

2,237,705
SNAP-ACTING DEVICE
Everard F. Kohl, Cleveland, Ohio
Application June 21, 1938, Serial No. 214,923
11 Claims. (Cl. 200—67)



1. A device of the character described, comprising an actuating member and a member to be actuated, each having a free end, a support formed integral with the free end of each member which is spaced from the support of the other member, an arcuate-shaped spring interposed between and having portions bearing upon said supports and said supports being in sufficiently close proximity to each other to hold said spring under compression, and means for maintaining said spring in operative association with said members and for rocking it upon said supports, said means including an integral projection on said actuating member loosely interconnected with a portion of said spring which is adapted to engage said spring and move it bodily with a rocking action on said supports during movement of said actuating member and an integral projection on the member to be actuated having a lost motion connection with another portion of said spring which permits rocking movement of said spring upon the support of the member to be actuated.

2,237,706
DISPLAY BASKET
Erwin C. Islieb, East Hartford, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut
Application September 23, 1938, Serial No. 231,324
1 Claim. (Cl. 229—16)

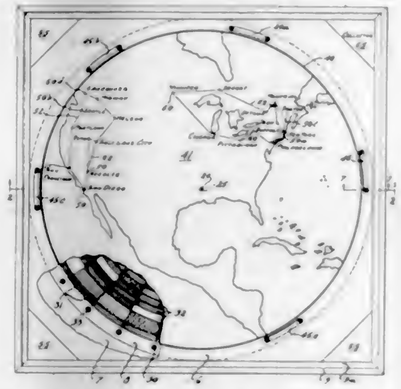


A flat one-piece blank for a display basket, said blank including a series of substantially alined folds comprising a front fold, side folds projecting from opposite sides of the front fold and a back fold projecting from the outer side edge of one of said side folds, said front, side and back folds when in folded and operative position forming the front, side and back walls of the basket, said side and back folds having their lower free edges constituting the bottom marginal edges thereof and free of extensions, a locking tongue and slot connection between the outer end of the back fold and the side fold spaced from the back fold to secure the blank in basket form, reenforcing side folds projecting from the top edges of said side folds and front fold and secured to their respective folds along fold lines, supplemental bottom folds projecting from the free top edges of each of said reenforcing side folds and secured thereto along fold lines, said supplemental bottom folds each having a dimension substantially corresponding to the bottom of the basket, a bottom fold projecting from the lower edge of the front fold opposite the reenforcing side fold thereon, and a tuck projecting from the lower edge of the bottom fold for insertion in the folded structure to hold the bottom structure in place, said back fold having a rigid and integral extension projecting upwardly from the upper portion thereof above the upper edge of the basket to a distance at least equal to the depth of the basket.

2,237,707
GAME APPARATUS
John F. Lazenby, Pasadena, Calif.
Application June 3, 1940, Serial No. 338,471
3 Claims. (Cl. 273—134)

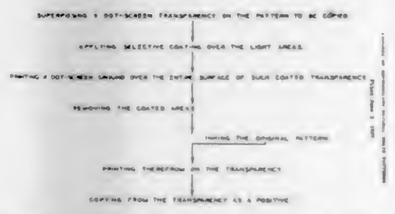
1. A game device comprised of a stationary play board, spaced perforations through the play board, indicia means on said board denoting travel routes between perforations, comprised of line markings extending between perforations, indicia means denoting elective routes between certain of said perforations comprised of a plurality of line markings on the board extending between said last-named perforations but intersecting one or more intermediate perforations, and means for determining successive plays, comprised of a play indicator having irregularly

spaced colored areas thereon, said play indicator being rotatably mounted under the play board in



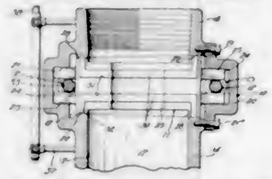
such position that upon rotation of the play indicator certain of said marked areas will register with certain of said perforations.

2,237,708
PROCESS OF REPRODUCING NATURAL GRAIN PATTERNS
Charles M. Long, Detroit, Mich.
Application June 3, 1937, Serial No. 146,199
10 Claims. (Cl. 41—46)



1. A process of reproducing natural graining, which comprises moistening and warming a wood grain surface to be reproduced, saturating with equal parts of benzol and alcohol and amyl acetate, brushing with a stiff fine brush, wiping, accentuating a faint pattern by staining, brushing on a coat of shellac, drying, sanding smooth, applying a second coat of shellac, drying, fastening on such surface to be reproduced a transparent dot-screen, making register marks on the edges to facilitate re-locating, selectively painting a blocking-out light coating on the transparency over the light areas of the natural pattern showing through, removing the transparency to a smooth supporting surface, off-set printing a dot-screen ground on the selectively coated transparency, washing away the coated areas, cleaning the original wood pattern surface, applying a transfer ink comprising printer's ink supplemented with lamp black and iron oxide in boiled tung oil, scraping off the ink, allowing to stand a few minutes, transferring an impression from the scraped surface to the transparency in register, allowing the ink impression to dry sufficiently to prevent blurring, applying dry lamp black lightly on the desired areas, copying from the transparency as a positive onto a sensitized copper plate, etching the plate, and employing it for a printing surface.

2,237,709
BLOWOUT PREVENTER
Elmo O. Lowe, Los Angeles, Calif.
Application February 5, 1940, Serial No. 317,229
16 Claims. (Cl. 137—139)



1. A blowout preventer for controlling a well comprising a body having an opening for communicating with the well, spaced converging seats in the body, closure members movable in the body between retracted positions and active positions where they engage one another in the opening between the seats, means for moving the closure members from the retracted positions to the active positions in engagement with one another, and means made operative by said engagement of the members with one another for moving the closure members laterally when they reach the active positions to wedge the members between the converging seats.

2,237,710
CURTAIN ROD
Benjamin F. McMurry, Knoxville, Tenn.
Application March 17, 1939, Serial No. 262,412
5 Claims. (Cl. 156—22)

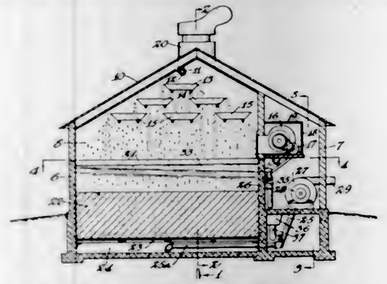


1. A curtain rod device including a central portion adapted to be engaged by and support a curtain and having at each end a plate portion extending substantially right-angularly to the axis of the central portion, each end plate portion having a slot therein forming a hook having an upwardly facing bearing surface adapted to seat a mounting pin projecting from a fixed support in a vertical plane substantially parallel to the vertical plane of the central portion of the curtain rod device, each end plate portion having an inwardly projecting lug between said bearing surface and the central portion of the device adapted to bear against a fixed vertical surface and support the device by limiting its rotation about the pin as pivot.

2,237,711
PURIFICATION OF WATER
John H. Morgan, St. Paul, Minn., assignor to Crane Company of Minnesota, St. Paul, Minn., a corporation of Minnesota
Application May 12, 1938, Serial No. 207,529
3 Claims. (Cl. 210—26)

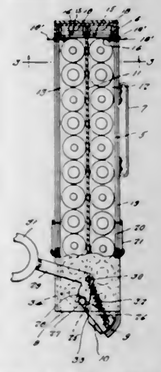
1. In a plant for purifying water containing iron, the combination of an aerating chamber having an outlet for air communicating with the top thereof, means for distributing water in the upper portion of said chamber, a series of catch basins arranged to interrupt the flow of iron bearing water from said distributing means, the water overflowing said basins and being dispersed

thereby, means for forcing a draft of air through the finely divided, falling water, to aerate it and solidify the iron content, said draft of air having an unobstructed passage to said outlet through the falling water, a gravity filter arranged to receive the aerated water, said filter containing a



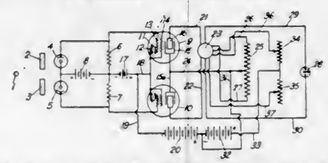
bed of granular material having a free and unobstructed top surface, means for withdrawing the purified water from beneath said bed and means for back washing said bed upwardly to remove the solidified iron upward from the upper portion of said bed while agitating the upper portion of said bed.

2,237,712
CARTRIDGE HOLDER
Grover F. Mullins, Westwood, Calif.
Application June 4, 1940, Serial No. 338,800
2 Claims. (Cl. 312—48)



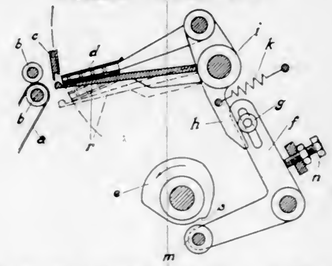
1. In a device of the class described, a rigid casing having a mouth, a partition in said casing to form compartments to receive cartridges, spring pressed followers in said compartments for urging the cartridges toward the mouth, a gate for controlling the cartridges through said mouth one at a time and alternatingly from one compartment and then from the other compartment, an operating means for said gate, said casing having openings communicating with the compartments to permit cartridges to be placed therein, doors for opening and closing said openings, said casing having slots communicating with the compartments, and provided with lateral branches, and finger pieces pivoted on the followers and operating in the slots and adapted to be moved into the branches for holding the followers at one end of the compartments to permit filling of said compartments with the cartridges by way of the openings.

2,237,713
OPTICAL PYROMETER
Howard W. Russell, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application September 20, 1938, Serial No. 230,828
2 Claims. (Cl. 88—22.5)



1. A pyrometer for determining the temperatures of radiant bodies comprising, in combination, means for separating the radiation given off by a radiant body into rays of different wave lengths, two light-sensitive devices so positioned in the pyrometer as to be acted upon by two of said rays of different wave lengths, the said rays acting upon the said devices being different in wave lengths and being adapted to produce, by acting on each device, a flow of electric current of an intensity proportional to the rays acting thereon, an electrical circuit including both of said light-sensitive devices and impedances to the flow of electric current produced by each of said devices, each of said light-sensitive devices and its respective impedance being in a separate portion of the circuit, a current-responsive electrical device being connected in the circuit so as to indicate when the respective portions are balanced, and means for varying at least one of said impedances to bring these portions into balance, the ratio of the amounts of the respective impedances when the two portions are balanced being a direct measure of the ratio of the intensities of the currents produced by the said light-sensitive devices whereby the temperature of the said body at the instant of balance of the said portions is directly indicated.

2,237,714
COMBING MACHINE WITH RECIPROCATING FEED GRID FOR WOOL, COTTON, AND THE LIKE
Karl Josef Schmitt, Chemnitz, Germany, assignor to Sachsische Textilmaschinenfabrik vorm.. Rich. Hartmann Aktiengesellschaft, Chemnitz, Germany
Application February 11, 1938, Serial No. 189,994
In Germany March 8, 1937
1 Claim. (Cl. 19—120)



In a feeding device for Heilman type combing machines, a nipper comprising an upper nipper bar and a lower nipper bar, a feed grid movable relatively to said lower nipper bar, means for varying the relative movement between said lower nipper bar and said grid, said means including

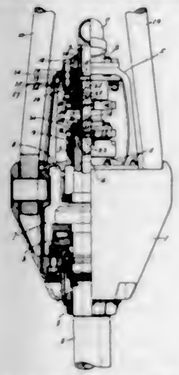
a cam mechanism having a cam and a cooperating element for imparting a movement to said feed grid relative to said nipper bar, an adjustable stop cooperating with said cam mechanism to determine such relative movement, the cam in said cam mechanism having a cut away portion with the wall of the cut-away portion spaced from the element of the cam mechanism directly associated with the cam during a rotary position of the cam to increase the gap between the feed grid and end of the lower bar before and during the closing of the nipper.

2,237,715

ROTARY SWIVEL

William A. Shaw, Los Angeles, and Arthur O. A. Hodge, Hermosa Beach, Calif., assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 18, 1939, Serial No. 309,710
20 Claims. (Cl. 255—25)



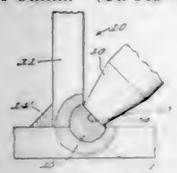
1. In a rotary swivel, the combination of a stationary body, a rotary member supported by the body, a fluid passageway axially of said rotary member, a support on said body, a stationary member having a fluid passageway, said stationary member being mounted on said support in spaced relationship above said rotary member, means to connect said fluid passageways, said means including a conduit element insertable laterally into position between said stationary and rotary members, means to secure said conduit element relative to one of said members, and means to prevent leakage of fluid between said conduit element and the other of said members.

2,237,716

METHOD OF TREATING WELDS AND PRODUCT

Ralph E. Spaulding, Jacksonville, Fla., assignor to Aetna Iron & Steel Co., Jacksonville, Fla., a corporation of Florida

Application June 15, 1940, Serial No. 340,858
1 Claim. (Cl. 148—12)



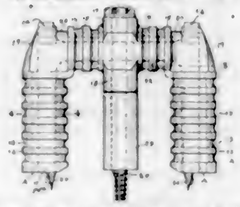
In the method of forming an elongated joint between two elongated steel members having elongated adjacent edges to be joined, said method comprising moving a welding electrode along said edges to form a weld, the step which comprises following the electrode along the weld with compacting means acting on the weld area while the latter is still plastic under the original heat of welding, whereby to elongate the weld area and thereby prevent shrinkage stresses in the welded assembly.

2,237,717

INSULATOR STRUCTURE

Lory B. Stewart and Alvin J. Stewart, Falconer, N. Y.; Marian Marguerite Stewart and William F. Stewart, executors of said Lory B. Stewart, deceased, assignors of one-third to Karl L. Thielscher, Buffalo, N. Y.

Application December 3, 1938, Serial No. 243,840
4 Claims. (Cl. 174—166)



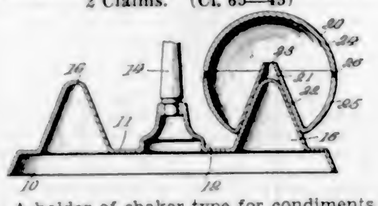
2. An insulator structure comprising a rigid body of insulation including substantially parallel side spools, one end of each side spool being free, heads at the other ends of said spools, lugs on said heads to aid in maintaining wires separated, said free ends being disposed to abut a support, spools intermediate said heads, boss means joining the second mentioned spools having a bore, and a fastening disposed in said bore extending beyond the free ends of the side spools for attachment to the support.

2,237,718

HOLDER FOR CONDIMENTS AND LIKE SUBSTANCES

Henry C. Thompson and Angelo De Stefano, Bogota, N. J., assignors to Bergen Plastics, Inc., a corporation of New Jersey

Application October 31, 1939, Serial No. 302,242
2 Claims. (Cl. 65—45)



1. A holder of shaker type for condiments and like substances comprising a hollow shaker element having its wall imperforate and including a re-entrant conical wall portion with the smaller end of the cone constituting the outlet and located within the hollow of the shaker element to provide an annular groove around the conical wall portion, said conical wall portion having its ends open and the larger end of its wall portion sealed to the rest of the element structure, and a base member comprising an upwardly extending conical projection of an apex angle the same as said conical wall portion, the larger end of said conical projection having a greater diameter than

the larger end of said conical wall portion whereby, when the shaker element is positioned on the conical projection, the body of the shaker element is maintained above the basal plane of said conical projection.

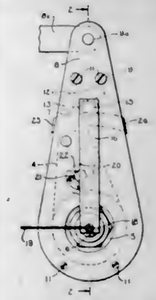
2. A holder of shaker type for condiments and like substances comprising a hollow shaker element of substantially spherical external form and having a re-entrant conical recess in its lower portion and an opening at the upper and smaller end of the recess communicating the interior of the element with the atmosphere to constitute the outlet, the outer spherical wall and the wall of the conical recess being of substantially uniform thickness and imperforate, and a base member comprising an upwardly extending conical structure for engaging the wall of said conical recess for supporting the element and for sealing said opening.

2,237,719

DISENGAGING MEANS FOR AUTOMATIC CONTROL SYSTEMS FOR AIRCRAFT

Hans Werner Tiebel, Berlin-Spandau, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany

Application October 27, 1937, Serial No. 171,342
In Germany October 3, 1935
7 Claims. (Cl. 74—469)



1. In a disconnecting device, a driving shaft, a driving arm attached to said shaft, a driven lever rotatably mounted upon said shaft, a latch supported by said lever for engaging said driving arm, a roller member mounted on said driven lever, and means connected with said latch and having a portion thereof engaging said roller for rapidly disconnecting said latch from said driving arm.

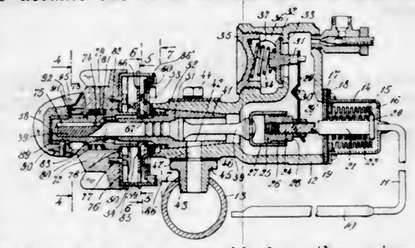
2,237,720

TEMPERATURE REGULATOR

Benson F. Waddell, Jackson Heights, N. Y., assignor to The Wilcolator Company, Newark, N. J., a corporation of Delaware

Application January 17, 1938, Serial No. 185,364
11 Claims. (Cl. 236—99)

1. In a thermostatic controller for regulating the supply of an operating medium to a device to be controlled, the combination of a casing, a main control element in the casing for turning on and shutting off the supply of said operating medium, a thermo-responsive control element in the casing for regulating the rate of supply of the operating medium through the main control element, a removable member outside the casing operatively connected to one of said control elements, a handle carried by said member for rotating the same, and a second handle carried by said member and movable independently thereof to actuate the other of said control elements, said handles being removable from the casing on said member as a unit.

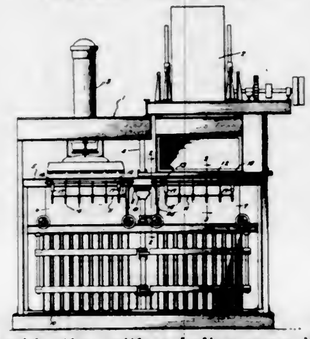


2,237,721

COTTON RETAINER CONTROL FOR PRESS BOXES

Jeffrey J. Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana

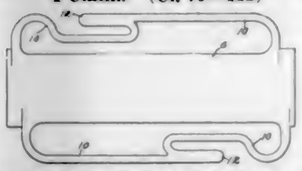
Application November 24, 1939, Serial No. 306,004
1 Claim. (Cl. 100—30)



In combination with a baling press having a tramper and a ram, a supporting post, and press boxes rotatably mounted about said post adapted to be moved alternately under the tramper and ram, retainer units mounted along the sides of said press boxes, each unit comprising a shaft, retainers secured thereto at longitudinal intervals, extending at one side of said shaft, and a counterbalancing weight secured to said shaft extending at the opposite side whereby said shaft is normally in a state of gravitational equilibrium with the retainers extending into the press box, a collar fixed to the end of said shaft adjacent said post, said collar having a shoulder, a lever at the end of the press box adjacent said post terminating in a sleeve surrounding said shaft adjacent said collar whereby said lever is pivotally mounted upon said shaft, said sleeve having a shoulder cooperable with the shoulder on said collar, a weight slidably mounted on said end of the press box, fixed means automatically lifting said weight and supporting it in elevated position when the press box is in position beneath the tramper, said weight being unsupported when the press box is in other positions, a connection between said weight and lever positioning said lever to hold the sleeve shoulder away from said collar shoulder when said weight is supported, permitting a range of oscillation of said shaft in which said retainers may freely swing inward and outward of said press box, said weight when unsupported, rocking said lever to engage said shoulders and thereby to oscillate said shaft to

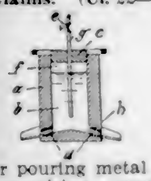
withdraw said retainers from said press box and hold them withdrawn while said weight is unsupported.

2,237,722
TOOL BLANK
George C. Wharton, Parkersburg, W. Va., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware
Application April 1, 1940, Serial No. 327,142
1 Claim. (Cl. 76—111)



A blank for a tool of the type having a transverse head supported at the extremities of the arms of a bow which has a central tang, which blank comprises a metal sheet of substantially finished thickness having a head-forming portion, a bow arm portion which rises from an end thereof, extends along an edge of the head-forming portion in closely spaced relation thereto and terminates in a tang-forming extension, and a second bow arm portion of like length to the first which rises from the opposite end of the head-forming portion and extends in spaced relation thereto to the base of said extension and which is convoluted in its length to lie within the rearwardly projected outline of the head-forming portion and the laterally projected outline of the first bow arm portion, whereby on wresting the tang extension to a position transverse to the length of the head-forming portion and rearwardly therefrom a symmetrical tanged bow is formed.

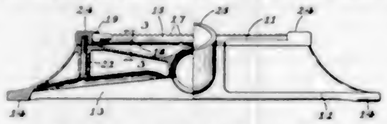
2,237,723
CASTING VESSEL
Berthold Zunckel, Osnabruck, Germany
Application October 3, 1938, Serial No. 233,099
In Germany April 7, 1937
3 Claims. (Cl. 22—79)



1. A vessel for pouring metal into molds with regulated flow comprising a receptacle having an opening in its upper end for charging the receptacle with molten metal, a cover for closing said opening gas-tightly, said vessel having a pouring opening at its lower portion whereby when said pouring opening is opened and part of the metal flows out a vacuum is created above the metal in the upper part of the vessel and opposes the outflow of metal, a pipe extending into said vessel and dipping into the metal in the vessel, and a valve in said pipe for regulating flow of gas therethrough into the vessel.

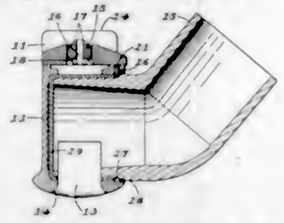
2,237,724
SUCTION NOZZLE
George Horace Cranmer, Philadelphia, Pa., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application January 23, 1939, Serial No. 252,280
3 Claims. (Cl. 15—157)

1. A suction nozzle comprising a hollow body, a rod secured to said body with an elongated transverse passage forming a suction opening and communicating with the interior of said body, spaced teeth with blunt edges merging into curved surfaces between adjacent teeth ex-



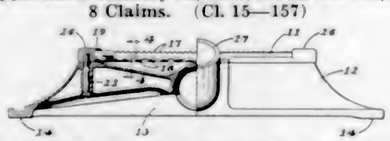
tending along said rod adjacent said passage, each end of said rod rotatably received in recesses in said body, a finger grip secured to said rod for rotating said rod from one position to another, and means to hold said rod in one or the other of its alternate positions.

2,237,725
SUCTION NOZZLE
George Horace Cranmer, Philadelphia, Pa., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application January 23, 1939, Serial No. 252,279
4 Claims. (Cl. 15—156)



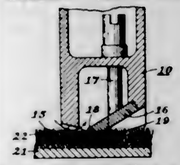
1. A suction nozzle including a bottom part having a suction opening, a top part having a second suction opening, an elbow extending through an opening into said bottom part adapted to communicate in one position with said first-named suction opening and in another position with said second-named suction opening, said elbow having an annular groove, a key located within said bottom part and extending from the top of said bottom part into the groove in said elbow, and means to secure said top part engaging said key to said bottom part whereby said elbow is rotatably locked in position.

2,237,726
SUCTION NOZZLE
George Horace Cranmer, Philadelphia, Pa., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application January 23, 1939, Serial No. 252,278
8 Claims. (Cl. 15—157)



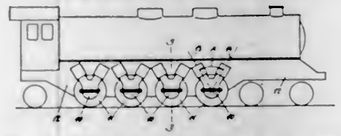
1. A suction nozzle comprising a body having an elongated opening, a rod secured to said body within said opening having a central diametric passage with a plurality of radially spaced openings forming a suction opening and communicating with the interior of the body, means to rotate said rod to selectively present one of said openings in cleaning position, and means engaging opposite sides of said rod to frictionally hold said rod in a selected cleaning position.

2,237,727
SUCTION NOZZLE
Adrian E. Ross, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application January 23, 1939, Serial No. 252,252
7 Claims. (Cl. 15—157)



1. A suction nozzle including a body having an elongated slot, spaced teeth located at one side of the slot and extending toward the opposite side of the slot, a smooth lip extending from the body along the opposite side of the slot from the teeth with the contact surface of the lip in substantially the same horizontal plane as the tips of the teeth, a ridge formed in the body adjacent said teeth and extending lengthwise of the slot and outwardly beyond the plane formed by the opposite lip and the tips of the teeth, said teeth being located intermediate said ridge and the slot, and extensions from the body forming gliding surfaces spaced outwardly beyond the plane formed by the opposite lip and the tips of the teeth and located at each end of the suction opening.

2,237,728
INDIVIDUAL AXLE DRIVE FOR RAIL VEHICLES
Ulrich Barske, Kassel-Harleshausen, Germany, assignor to Henschel & Sohn Gesellschaft mit beschrankter Haftung, Kassel, Germany
Application January 27, 1939, Serial No. 253,167
In Germany February 2, 1938
1 Claim. (Cl. 105—37)

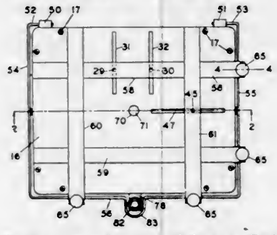


Driving means for direct driving connection with an axle of a rail vehicle, said driving means including a plurality of steam-operated engines arranged in pairs for individually driving the driving axles, each of said steam engines having two cylinders located approximately in one plane and inclined relatively to each other at an angle of about 60° and directed upwardly, and pistons working in said cylinders acting upon a common crank pin, the cranks of each pair of engines driving the same axle being displaced at an angle of about 90°, a pair of said engines driving the same axle adapted to be arranged respectively adjacent opposite ends of the axle.

2,237,729
CYCLOPENTYL ESTERS OF POLYCARBOXYLIC ACIDS
Theodore W. Evans and James R. Scheibli, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 9, 1940, Serial No. 318,162
11 Claims. (Cl. 260—475)

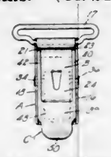
8. A neutral ester of a dicarboxylic acid wherein at least one of the carboxylic groups has been esterified with cyclopentanol and any remaining carboxylic groups have been esterified with a monohydric alcohol.

2,237,730
PHOTOGRAPHIC PRINTING EASEL
Gustave Fassin, Irondequoit, N. Y., assignor to International Industries, Inc., Ann Arbor, Mich., a corporation of Michigan
Application February 27, 1939, Serial No. 258,665
9 Claims. (Cl. 88—24)



9. A printing easel comprising a flat plate for receiving a photo-sensitive sheet, said plate having an aperture therethrough, means secured to said plate for holding said plate in spaced relation to a support, a focusing mark carried by said plate above said aperture, means secured to said plate beneath said aperture for directing light passing through said aperture beneath and parallel to said plate, an objective lens positioned in the path of the light from said aperture and an ocular carried by said plate adjacent the edge thereof and in alignment with said objective for observing the image formed by said objective.

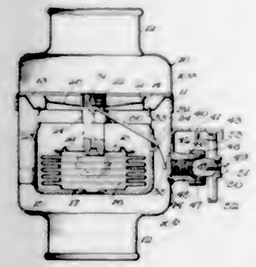
2,237,731
CLASP
John B. Freysinger, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application December 16, 1939, Serial No. 309,561
3 Claims. (Cl. 24—250)



2. In a clasp, a jaw member comprising a front plate having flanges extending rearwardly therefrom and at right angles to the side edges thereof, said side flanges having aligned recesses therein, a rear jaw member comprising a rear plate of lesser width than the front plate of said front jaw member and having a forwardly extending offset in the lower end thereof, flanges extending forwardly from the rear plate and at right angles to the side edges thereof, said flanges having laterally extending pivots receivable in the aligned apertures of said front jaw flanges, an actuating member for moving said jaws relative to one another and comprising a pair of arms always positioned between the adjacent flanges of said rear jaw member so as to prevent transverse movement of one jaw relative to the other along the axis of the pivots, said arms being pivotally connected to said rear jaw member, camming levers carried by the upper ends of said arms and extending forwardly therefrom and at substan-

tially right angles thereto to maintain said jaw members in closed position, and a transverse member interconnecting the lower ends of said arms and normally positioned in the offset, said actuating member lying entirely between the forwardmost plane defined by the front jaw member and the rearwardmost plane defined by the rear jaw member when the clasp is in closed position.

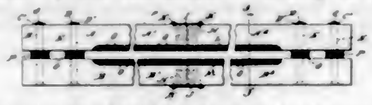
2,237,732
TEMPERATURE REGULATOR
Jean V. Giesler, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application August 4, 1938, Serial No. 223,125
1 Claim. (Cl. 236—34)



In a temperature regulator for the cooling system of an internal combustion engine, in combination with a housing, means in said housing providing a valve seat, a thermostat support in said housing, a disk-type valve member movable rectilinearly toward and away from said seat, a thermostat mounted on said support, means operatively connecting said thermostat with said valve member, said thermostat operative to move said valve member away from its seat upon expansion of said thermostat, resilient means tending to urge said valve member in the same direction that it is moved by the expansion of said thermostat and including a spring pivoted intermediate of its length on said thermostat support, said spring being bifurcated at one end and having its bifurcated ends engaged with and adapted to apply pressure to said valve member symmetrically with respect to the axis of said thermostat and said valve member, the opposite end of said spring extending beyond said pivot on the opposite side of said pivot from said bifurcated end and into adjacency with the wall of said housing, and means extending through the wall of said housing into cooperative relationship with said last named end of said spring and adjustable to press on and flex said spring to apply different degrees of resilient tension to said valve member tending to urge the valve member toward its open position and thereby vary the initial temperature at which said valve member starts to move from closed toward open position.

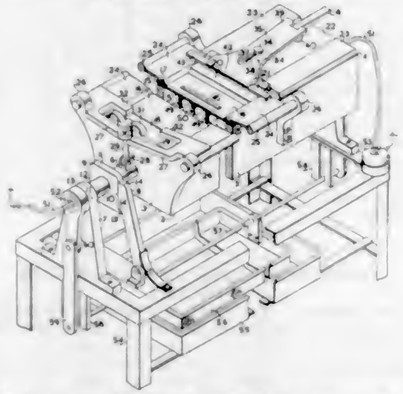
2,237,733
KNITTING DEVICE
Frederick Grimm, Washington, D. C., and John A. Smoot, Scranton, Pa.
Application March 17, 1939, Serial No. 262,480
3 Claims. (Cl. 66—4)

1. A knitting device comprising a frame formed of laterally spaced bars connected together adjacent each end, said bars being formed of sections hinged together and means for locking said bars



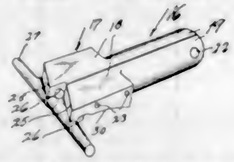
with the ends of said sections in engagement with each other.

2,237,734
STENCILING
Percy Arthur Grimsted, Johannesburg, Transvaal, Union of South Africa, assignor to William Smit, Johannesburg, Transvaal, Union of South Africa
Application July 23, 1938, Serial No. 220,971
In the Union of South Africa August 5, 1937
7 Claims. (Cl. 101—126)



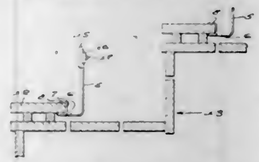
3. In apparatus for stenciling, the combination of a support for a plate-like base body, means on the support to clamp such body to the support while exposing a surface of said body, said support being rotatable from a position in which said surface of the body is horizontal and upward to a position in which it is horizontal and downward, means for detaining the support in such positions and in an intermediate position, and means for setting up and withdrawing a magnetic field such as to hold masking means of magnetic material to said surface.

2,237,735
MONOCABLE TRAMWAY
Carl M. Hansen, Spokane, Wash.
Application August 29, 1939, Serial No. 292,418
3 Claims. (Cl. 104—201)



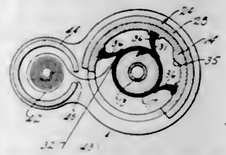
1. In a monocable tramway, a cable movable longitudinally and formed of twisted strands, a carrier, a hanger for said carriage having a bearing at its upper end, a cross arm having an axle portion journaled through said bearing and an outer portion projecting from said bearing toward the cable, said cross arm consisting of companion longitudinally extending side sections having inner confronting faces engaging each other, stems at ends of the outer portions projecting laterally therefrom in alignment with each other and forming a cross head embedded in said cable to anchor the cross arm to the cable, a cap straddling the outer portion of said cross arm and having a tongue curved longitudinally to extend partially about the cable, and fasteners extending through the cap and cross arm to hold the cap in place and hold the side sections of the cross arm in engagement with each other.

2,237,736
BACK REST
Joe Culver Hill, Lubbock, Tex.
Application July 21, 1939, Serial No. 285,771
3 Claims. (Cl. 155—164)



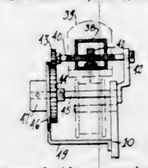
1. In a back rest for a seat, a base member provided adjacent one end thereof with a clamp for engaging and straddling an edge portion of a seat, and at an opposite end thereof with a standard, and a back-supporting member mounted on said standard, said clamp being substantially U-shaped and embodying a pair of coacting resilient jaw members adapted to accommodate therebetween the edge portion of a seat, and each of said jaw members being provided with means for positively engaging the top and bottom surfaces respectively of said seat.

2,237,737
PHOTOGRAPHIC FILM DEVELOPING APPARATUS
Herbert W. Houston, North Hollywood, Calif., assignor to The Houston Corporation, Los Angeles, Calif., a corporation of California
Application October 25, 1939, Serial No. 301,209
6 Claims. (Cl. 242—71)



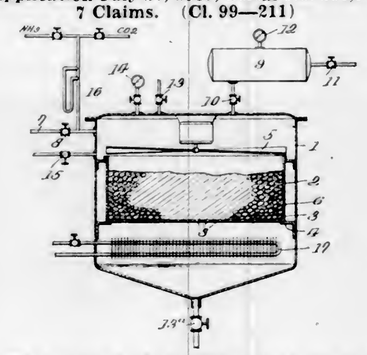
1. In photographic film developing apparatus, the combination of: a case comprising two relatively rotatable parts with adjacent cylindrical walls having openings therein which in one relative position of said parts overlap to provide access to the space within said case, and in another relative position of said parts are both covered to substantially prevent entrance of actinic light into said space; a spool rotatably mounted within said case for the winding thereon of film to be developed; means outside of said case in rotative connection with said spool; and a plurality of rubber wedge-shaped vanes supported in sockets on the inner of said cylindrical walls, said vanes being adapted to bear on the outer layer of the winding on said spool over substantially the entire width thereof.

2,237,738
SOUND TRANSLATING EQUIPMENT
Jacob M. Kuhlik, Seagate, N. Y., assignor to Hattie B. Kuhlik, Brooklyn, N. Y.
Application March 22, 1939, Serial No. 263,365
1 Claim. (Cl. 274—11)



In a sound translating equipment, in combination, a unit for reproducing or recording sound including a stylus mounted for pivotal movement away from and to contact with an impression medium, adjustable means associated with the unit for applying various degrees of stylus pressure on said medium, means for moving the unit laterally of the impression medium to coincide with selected sound track locations on said medium, including a revolvable threaded stud, a nut on the stud and a bracket on the unit in which said nut is positioned, a movable dial indicator for showing said sound track locations and means for transmitting movements of the dial indicator to the stud as said dial indicator is adjusted to position said unit.

2,237,739
METHOD OF PROCESSING FOOD PRODUCTS
Charles L. Jones, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 27, 1939, Serial No. 286,906
7 Claims. (Cl. 99—211)

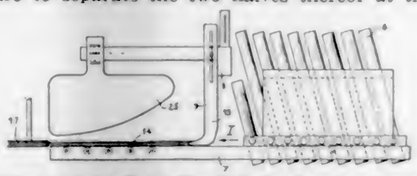


1. The method of sterilizing food products in bulk consisting in enclosing the food product in a pressure vessel, eliminating air from the vessel, admitting steam at high temperature for a time sufficient to sterilize, forcing into the vessel after the sterilizing treatment has been effected, a gas non-condensible at atmospheric temperature, cooling the product by condensing the steam from the mixture of gas and steam within the vessel and transferring the sterile product to a sterile container in which it is to be sealed.

2,237,740
MEANS FOR FEEDING FOLDED SIGNATURES
Oskar Kleinschmit and Walter Geissler, Leipzig, Germany, assignors to Gebrüder Brehmer, Leipzig, Germany
Application February 4, 1939, Serial No. 254,704
In Germany February 12, 1938
9 Claims. (Cl. 270—54)

1. Means for feeding folded signatures to the

saddle of a signature handling machine, comprising a feed table whereby signatures lying approximately flat are fed singly in succession in the direction of the folded edge, a device operating exclusively on the leading edge of the signature to separate the two halves thereof at the



corner remote from the folded edge, a separate and fixed opening device adapted to pass between the two halves of the signature, a saddle-like extension to said opening device substantially in alignment with the line of travel of the folded edge, and means for feeding the signature over said opening device and saddle-like extension.

2,237,741

BOX NAIL

Harry B. Lindsley, Wauwatosa, Wis.

Application January 15, 1940, Serial No. 313,995

3 Claims. (Cl. 85—28)



1. A nail of the class described comprising an elongated and straight shank having one end pointed, an elongated and straight flat part connected to the other end with said flat part being of greater width than the cross sectional area of the shank and said flat part forming a straight continuation of the shank and having a flat reinforced free end for engagement by a hammer, said flat part being of much less thickness than the shank to make said flat part easily bendable whereby a portion thereof can be bent over into contact with the member through which the shank is driven.

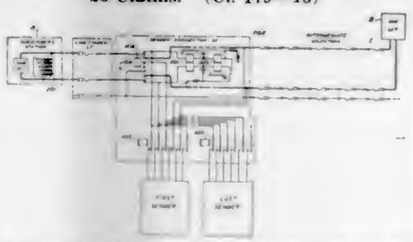
2,237,742

TELEPHONE SYSTEM

Alexis A. Lundstrom, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 28, 1939, Serial No. 306,466

25 Claims. (Cl. 179—18)



1. In a telephone system, the combination with a calling line, of a source of tone, means for applying a potential from said source to said line, and means responsive to the impedance of said line for controlling the amount of potential applied to said line.

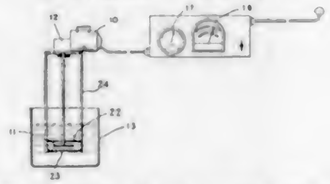
2,237,743

VISCOSIMETER

Brouwer D. McIntyre, Monroe, Mich., assignor to Insulation Development Corporation, Monroe, Mich., a corporation of Michigan

Application May 23, 1938, Serial No. 209,575

3 Claims. (Cl. 265—11)



1. In apparatus for measuring the viscosity of a fluid, a revoluble member adapted to be inserted in the fluid and having substantially smooth uninterrupted opposite side surfaces, an electric motor for rotating the revoluble member and connected in an electric circuit, a meter also in the circuit responsive to variations in the power input to the motor for indicating the viscosity of the fluid, and a pair of substantially flat plates positioned on opposite sides of the revoluble member in planes extending substantially parallel to the surface of revolution of said member, said plates having substantially smooth uninterrupted surfaces adjacent the uninterrupted side surfaces aforesaid of the member and being spaced a predetermined distance from opposite sides of the member to establish a definite film thickness factor.

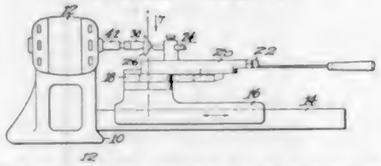
2,237,744

CONTACT LENS AND METHOD OF MAKING THE SAME

John E. Mullen, Boston, Mass.

Application December 30, 1939, Serial No. 311,951

6 Claims. (Cl. 82—1)



1. A method for making a lens portion for a plastic contact lens which includes directly machining the desired curve onto the front of a rough plastic blank by means of a turning tool used with a curve generator.

2,237,745

THERMAL INSULATING CEMENT

John R. Musgrave, Joplin, Mo., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application April 6, 1939, Serial No. 266,415

7 Claims. (Cl. 106—18)

1. A thermal insulating cement comprising a substantially neutral mineral wool, asbestos, bentonite, tri-sodium phosphate and sodium nitrite.

2,237,746

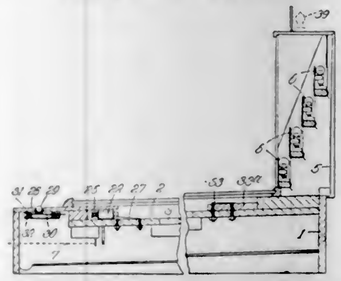
AUTOMATIC GAME DEVICE

Gertrude Elsie Ruby Perks, Watford, England

Application November 7, 1939, Serial No. 303,223

In Great Britain March 16, 1939

5 Claims. (Cl. 273—121)



1. A game device of the character described including in combination with a playing field, means for successively projecting a plurality of balls into the playing field and a plurality of traps disposed in the playing field, said traps including means for completing an indicating circuit when a ball enters the trap, a key controlling each trap and an electro-magnetic device for controlling the release of a ball from each trap, said electro-magnetic devices being energised by operation of the said keys.

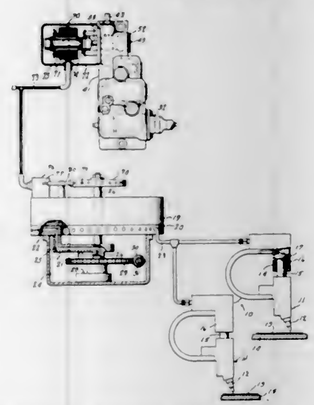
2,237,747

WELDING EQUIPMENT

Henry Thomas Platz, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application January 8, 1940, Serial No. 312,973

18 Claims. (Cl. 219—4)



1. In electric welding equipment, a plurality of welders each having an electrode movable by fluid under pressure into engagement with the work to be welded and arranged in an electric circuit, means for sequentially connecting the welders to a source of fluid under pressure to successively move the electrodes into engagement with the work, a switch in said circuit operated by fluid pressure to close the circuit, a valve controlling the flow of fluid under pressure to said switch, means operating independently of the fluid under pressure and each time fluid under pressure is admitted to one welder to move the valve to its open position and admit fluid under pressure to the switch to close the latter and means also operating during the interval the latter welder is connected to the source of fluid under pressure to open said switch in timed relation to closing of said switch.

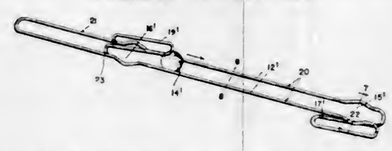
2,237,748

SKILL DEVICE

Alexander Schwarzenzer, Roseville, Mich.

Application November 21, 1938, Serial No. 241,660

3 Claims. (Cl. 273—109)



1. An amusement device comprising a body portion composed of laterally spaced rails cooperating to form longitudinally extending tracks at opposite sides of the body portion over which a ball is adapted to roll and having portions bent outwardly at longitudinally spaced points to provide openings through which the ball is adapted to pass from one side to the other, guide means positioned to intercept the ball as it passes through said openings and effective to guide the ball to a position in registration with the adjacent track out of registration with the opening, and means operatively associated with the guide means acting to arrest movement of the ball along the guide means.

2,237,749

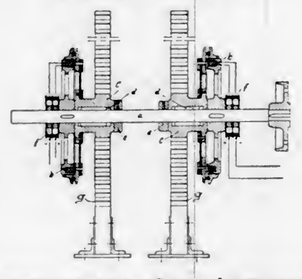
CRUSHING DEVICE FOR COAL CRUSHING MACHINES

Johann Simon, Saarbrucken, Germany

Application August 19, 1939, Serial No. 291,014

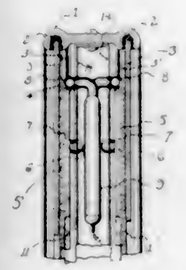
In Germany July 11, 1938

2 Claims. (Cl. 74—34)



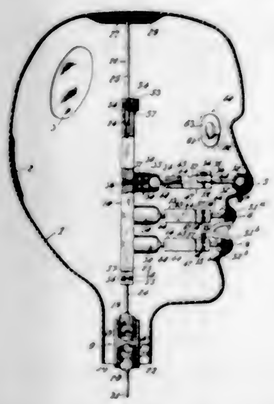
1. A stamping device for coal compressing machines, comprising in combination a stamping rod including a rack bar portion, a main shaft, a pinion in toothed engagement with said rack bar portion, clutch means operable to connect and disconnect said shaft and pinion to effect lifting and permit falling means of said rod, and means for releasably holding said rod in an elevated position comprising a lever, holding members carried by said lever at opposite sides of said rod, lever supporting means pivotally connected to said lever at one side of the rod and means for raising and lowering the portion of the lever at the opposite side of said rod to thereby move said members into and out of holding engagement with said rod.

2,237,750
ILLUMINATED DISPLAY SIGN
Charles J. Wamser, Milwaukee, Wis.
Application September 23, 1939, Serial No. 296,234
2 Claims. (Cl. 40—130)



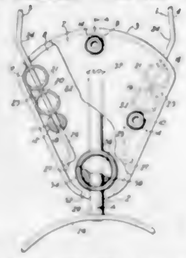
1. A sign comprising an opaque panel, a transparent glass positioned in front of said panel and having strokes cut into its rear face, a luminescent tube positioned adjacent the periphery of said glass, and an opaque panel positioned in front of said glass and provided with translucent strokes conforming to those in said glass, the adjacent opaque surfaces of said panels being coated with a reflecting material.

2,237,751
IMAGE FOR MAKING ANIMATED MOVING PICTURES
Louis Bunin, New York, N. Y.
Application May 24, 1939, Serial No. 275,563
14 Claims. (Cl. 46—135)



1. In the art of motion pictures, a three dimensional image for producing animated colored pictures by stop-motion technique, said image comprising: a hollow rubber envelope having a wall of varying thickness, a colored rubber film of make-up on and attached to the outer surface of the envelope, and adjustable mechanism within the envelope to maintain local portions of the envelope in distorted condition, said mechanism being operatively adjustable by grasping the exterior of the envelope and distorting it to the desired shape.

2,237,752
HEADSET
Harry R. Clarke, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1939, Serial No. 302,093
8 Claims. (Cl. 179—156)

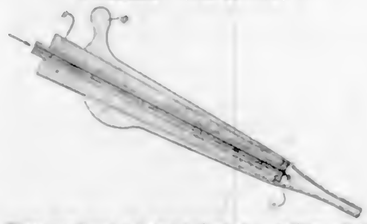


1. A telephone headset comprising a receiver, a headband, two apertured shell members of like form arranged to cooperatively form a hollow casing, said casing being adjustably supported on an end portion of said headband, a bar transversely supported in said casing, end portions of said bar extending through and supported in the apertures in said shell members and a holder for said receiver extending into said casing and transversely through said bar and adjustably supported in said bar.

2,237,753
CORK COMPOSITION
Charles Dangelmajer, Dover, N. J., and Edgar S. Peieris, New York, N. Y., assignors to Resistoflex Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 8, 1939, Serial No. 272,398
8 Claims. (Cl. 260—9)

1. A flexible and resilient cork composition unaffected by oils and fluid fuels comprising cork particles and a binder for said particles, said binder comprising polyvinyl alcohol, a solvent for the polyvinyl alcohol, and a substantially non-volatile oil in dispersed state, said solvent being substantially incapable of dissolving said oil.

2,237,754
ELECTRIC LAMP
Leonard John Davies, Rugby, England, assignor to General Electric Company, a corporation of New York
Application October 18, 1939, Serial No. 300,071
In Great Britain October 3, 1938
3 Claims. (Cl. 49—79)

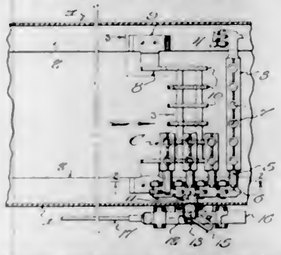


1. The method of applying a coating of luminescent powder to the inner wall of a glass tube which consists in blowing the powder into the tube while it is being drawn and is still in a molten condition.

2,237,755
MANUFACTURE OF ZINC SULPHIDE PIGMENT
Zoltan de Horvath, Western Springs, and William B. Paris, Argo, Ill., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 15, 1936, Serial No. 96,314
6 Claims. (Cl. 134—78)

2. The process of making a zinc sulphide pigment which comprises roasting zinc sulphide, mixing and heating said roasted zinc sulphide ore with a 50% solution of sodium hydroxide in such amount and concentration to produce sodium zincate liquor together with precipitated sludge, separating the solution of sodium zincate liquor from the precipitated sludge, precipitating metal impurities from the sodium zincate liquor by the addition of an amount of sulphur sufficient only to precipitate the impurities, settling the impurities with lime while leaving the zinc in solution, treating the resulting purified solution of sodium zincate liquor with sulphur in the ratio of 85 pounds to 100 pounds of zinc in solution at a temperature of approximately 28° C., washing the resulting precipitate until the precipitate is approximately free from caustic content, adding to the zinc sulphide in the form of slurry a solution of sodium silicate, adding sulphur and calcining with exclusion of air, treating with a dilute solution of sulphuric acid to remove the zinc oxide content of the calcined pigment and neutralizing.

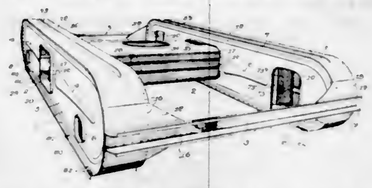
2,237,756
BOTTLE WASHER CARRIER
John R. Dostal, Milwaukee, Wis., assignor to Sturdy-Bilt Equipment Corporation, Milwaukee, Wis.
Application September 13, 1940, Serial No. 356,683
5 Claims. (Cl. 198—179)



1. In a bottle-washing machine including an intermittently actuated endless conveyor comprising, a plurality of pivotally connected transverse bottle-receiving flights normally supported at their ends upon a pair of spaced tracks and provided with longitudinally shiftable locking plates; means movable longitudinally of said locking plates for shifting the same to locking position when the carrier is at rest.

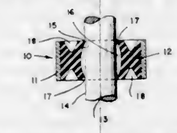
2,237,757
STAINLESS STEEL TRUCK
Rupen Eksergian, Media, Reuben H. Horton, Philadelphia, Henry K. Harwick, Darby, and Nils K. Skivesen, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 2, 1939, Serial No. 307,230
15 Claims. (Cl. 105—197)

1. A truck frame consisting of side frames and a transom, each side frame comprising spaced side plates of sheet material having outwardly flanged openings at their midpoints through which the transom extends, said transom being in facial engagement with said



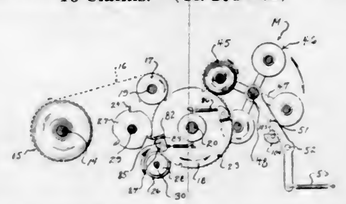
flanges and attached thereto, and spacing members between said side plates and attached thereto, said spacing members being arranged in facial engagement with said transom and attached thereto.

2,237,758
FLUID SEAL CONSTRUCTION
Chris Kurzweil, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan
Application October 16, 1939, Serial No. 299,727
2 Claims. (Cl. 288—3)



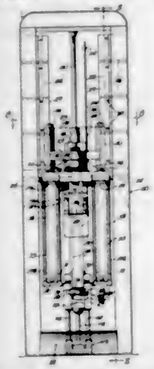
1. A seal cooperating with a cylindrical surface on a member to prevent the escape of fluid along the surface past the seal, comprising a bushing of rubber material adapted to receive the member and having inwardly extending annular edge portions at opposite ends of the bore frictionally engageable with the cylindrical surface throughout the circumference of the latter, and a plurality of conically-shaped recesses formed in each end of the bushing around said edge portions.

2,237,759
PAPER WINDING MACHINE
George M. Kwitek, Green Bay, Wis., assignor of one-half to Edwin M. Kwitek and one-fourth to Reuben J. Pech, both of Green Bay, Wis.
Application January 25, 1940, Serial No. 315,490
16 Claims. (Cl. 164—68)



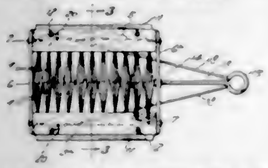
1. In combination, a web feeder, a rotatable turret, mandrils rotatably mounted on the turret and adapted in revolution thereon to approach successively the path of the web, a bed roll over which the web travels, and a cutter carried directly by the bed roll for severing the web, when the mandril reaches a predetermined position relative to the bed roll and web.

2,237,760
BROACHING MACHINE
Francis J. Lapointe, Ann Arbor, Mich., assignor, by mesne assignments, to American Broach & Machine Co., Ann Arbor, Mich., a corporation of Michigan
Application April 18, 1939, Serial No. 268,535
24 Claims. (Cl. 90—33)



5. A broaching machine having, in combination, a frame, a work plate secured to said frame intermediate the ends thereof, a broach supporting head slidably mounted on said frame on one side of said work plate, means on said head for simultaneously chucking the leading ends of a plurality of bar-like broaching tools spaced angularly in position to cut the teeth of a gear, means for reciprocating said head, a clamping device for clamping the tail ends of said tools permanently in angularly spaced relation including a member having a central opening sufficiently large to permit a finished gear to pass therethrough, a work blank arbor projecting from said work plate for releasably holding a work blank, and means for ejecting the work blank from said arbor upon completion of the cutting operation so that it moves out through the central opening of said clamping device.

2,237,761
KNIFE CLEANER
Robert Leano, Pasadena, Calif.
Application September 7, 1937, Serial No. 162,573
1 Claim. (Cl. 15—106)



In a device of the kind described for mounting upon a vertical post, a brace element having an eye for engaging the post, and a pair of arms extended divergently from the eye for angular extension upwardly from the post as mounted thereon, attachment eyes at the free extremities of the arms adapted to fall in a horizontal plane when the device is mounted, a support rod having at one end an eye for engaging the post at a point above the post engaging eye of the brace element, the free end of the rod extending outwardly from the post in a vertical plane passed through the post on which the device is mounted and bisecting the angle of divergence of the arms of the brace element as mounted on the post, and a brush holding frame supported outwardly upon the eyes of the extremities of the brace arms and inwardly by the free end of the support rod, the frame being thus adapted for horizontal disposition when the device is mounted on the post, the said frame including spaced side bars with means thereon for engaging the attachment eyes of the divergent arms of the brace element, and connecting end strips with means on the innermost end strip for engaging the end of the support rod.

2,237,762
STEROL DERIVATIVES AND PROCESS OF MAKING SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 12, 1937, Serial No. 130,581. Renewed March 27, 1940
7 Claims. (Cl. 260—397)

1. Process for the preparation of 7-keto-cholestane which comprises reducing a 7-keto-cholesteryl halide to 7-hydroxy cholestyl halide, reducing the latter compound to 7-hydroxy cholestane and oxidizing the 7-hydroxy cholestane to 7-keto cholestane.

2,237,763
STEROL DERIVATIVES AND PROCESS OF MAKING SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Original application March 12, 1937, Serial No. 130,581. Divided and this application June 20, 1938, Serial No. 214,842
12 Claims. (Cl. 260—397)

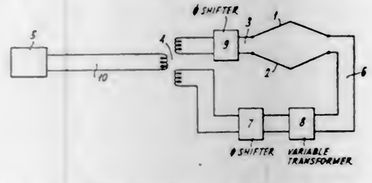
1. Process for the preparation of a 7-hydroxy steryl halide ester which comprises reacting a 7-keto Δ^5-unsaturated steryl halide with a metal alcoholate capable of reducing a ketone to a secondary alcohol, thereby obtaining a 7-hydroxy steryl halide, and acylating said compound to obtain an ester of the 7-hydroxy steryl halide.

2,237,764
PRODUCTION OF RUTILE PIGMENT
Robert Myers McKinney, Roselle, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 15, 1938, Serial No. 219,359
11 Claims. (Cl. 23—202)

1. A process for the production of a rutile pigment comprising hydrolyzing a solution of a titanium salt of a monobasic acid from the group consisting of hydrochloric, nitric, perchloric, hydrobromic, and chloracetic to precipitate titanium dioxide in the rutile crystalline pattern, during thermal hydrolysis maintaining said solution substantially free of polyvalent anions and at a titanium dioxide concentration of not less than about 40 g./l., and thereafter effecting separation of the precipitated pigment from the acid in the presence of polyvalent anions.

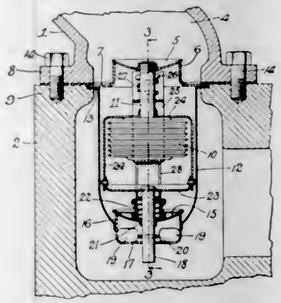
2,237,765
ANTENNA
Wilhelm Moser, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 30, 1938, Serial No. 205,198
In Germany May 4, 1937
10 Claims. (Cl. 250—33)

1. A rhombic antenna comprising a pair of conductors having their ends adjacent and the midpoints separated, a transmission line, means for coupling said line to said antenna at one pair of adjacent ends whereby travelling waves



are set up in said antenna, a second transmission line connected to the other pair of adjacent ends and means for coupling said second line to said first mentioned means.

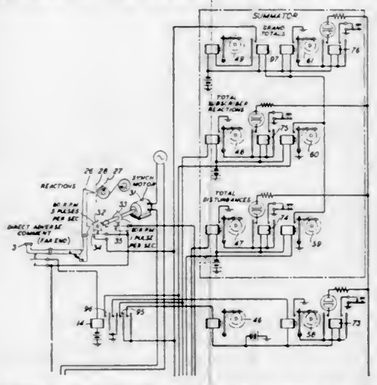
2,237,766
FILTERING DEVICE
Elmer J. Pratt, Chicago, Ill.
Application May 17, 1939, Serial No. 274,251
8 Claims. (Cl. 210—166)



6. A filtering device for filtering fluid flowing through a passageway, comprising a filter body open at both ends, a valve at one end of said filter body for closing the passageway therethrough, a movable filter section at the other end of said filter body extending across the opening therein, and a thermostat intermediate the ends of said filter body and connected with said valve and said filter section, the connection of the thermostat with the filter section permitting the valve to be opened before the filter section is moved.

2,237,767
REGISTERING SYSTEM
Lionel Schott, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1938, Serial No. 201,717
4 Claims. (Cl. 235—92)

2. In a system for selectively registering the occurrence of an observed cause and also the occurrence of an effect for which said cause might be responsible, individual means for accumulatively registering the number of occurrences of said cause and said effect, a separate manually controlled key for operating each accumulative register, a third accumulative register and a circuit therefor, means responsive to the actuation of the key controlling the operation of the cause register to prepare said circuit to operate said third register and hold it prepared for a predetermined interval of time after the cause key is released, and means for completing said circuit responsive to operation of the key controlling



the operation of the effect register during the period said circuit is prepared.

2,237,768
PRODUCTION OF AZO COLORS
John Vincent Scudi, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 28, 1937, Serial No. 156,139
15 Claims. (Cl. 260—195)

1. In a process for producing an azo dye pigment as a separate substance wherein a diazo compound is directly reacted with a coupling component in the principal coupling reaction, the step which comprises adding a separately prepared azo dye to the principal coupling reaction mixture at a time not later than substantially immediately subsequent to completion of said principal coupling reaction.

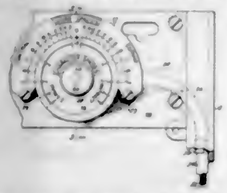
2,237,769
VULCANIZATION OF RUBBER
Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 25, 1936, Serial No. 102,555
6 Claims. (Cl. 260—789)

1. The process of vulcanizing rubber which comprises heating rubber and sulfur in the presence of a benzothiazyl thio aryloxy-acetate admixed with a guanidine accelerator as an activator thereof.

2,237,770
TYPEWRITING AND LIKE MACHINES
Charles E. Smith, Tonawanda, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application July 28, 1938, Serial No. 221,772
9 Claims. (Cl. 197—84)

1. In a typewriting machine for justifying typewritten lines, the combination of a variable escapement mechanism having adjustable regulating means for affording various extents of spacing between words, and manual setting means comprising cooperating fixed and movable scales having indices on one scale designating the number of word spaces in a line and having indices on the other scale designating the number

of character spaces of expansion and the number of character spaces of contraction in the length



of the line that may be required for justification, and means operatively connecting said movable scale with said regulating means.

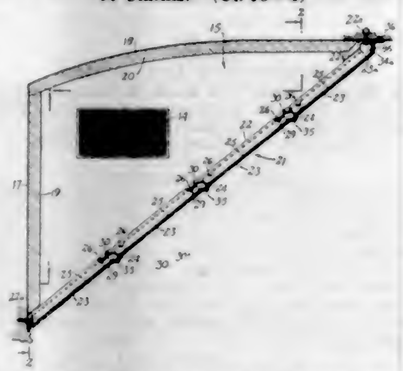
2,237,771

VENTILATING APPARATUS

John D. Strobell, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey

Application January 2, 1937, Serial No. 118,873

10 Claims. (Cl. 98—4)



1. In railroad car construction, in combination, a car having a wall and ceiling, means forming a conduit in said car, said means including a plurality of plate members all lying in the same plane and extending longitudinally of said car and extending upwardly from said wall of said car toward the ceiling thereof, a plurality of supporting elements each extending from said wall to said ceiling and spaced from one another longitudinally of said car and secured to said car, means securing said plate members to said supporting elements in spaced relationship to form an opening between adjacent longitudinal edges of said plate members, said opening extending longitudinally of the car, said conduit being substantially unobstructed throughout its entire extent to permit free passage of air longitudinally therethrough, and means for forcing air longitudinally through said conduit and through said opening into said car.

2,237,772

MANUFACTURE OF AZO PIGMENTS

Harry James Twitchett, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 21, 1940, Serial No. 362,155. In Great Britain October 24, 1939

6 Claims. (Cl. 260—197)

1. A colored insoluble mixed azo composition containing the product of coupling diazotized 2-chloro-4-nitroaniline and diazotized 3-nitro-4-aminotoluene with beta naphthol, wherein the residue of 2-chloro-4-nitroaniline in the composition comprises 5% to 40% of the total amine residue and the remainder of the amine residue consists of the residue of 3-nitro-4-amino-toluene, said composition being a yellower shade of scarlet and having greater tinctorial strength than the pigment made by coupling diazotized 3-nitro-4-aminotoluene with beta naphthol and having less tendency to bleed in oil than a pigment wherein the residue of 2-chloro-4-nitroaniline coupled with beta naphthol is in excess of 40% of the total amine residue.

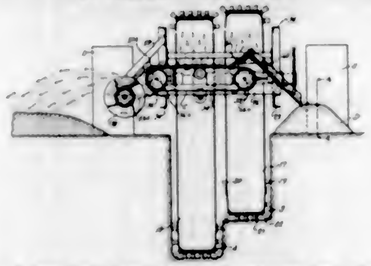
2,237,773

TRENCHING MACHINE

William G. Van Voorhis, Robert N. Bennett, and Charles L. George, Findlay, Ohio, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio

Application November 10, 1938, Serial No. 239,844

17 Claims. (Cl. 37—97)



1. A trenching machine comprising two diggers arranged side by side, one being adapted to excavate a relatively deep cut and the other a relatively shallow cut, a conveyor to which the dirt is delivered by the diggers arranged to discharge the same laterally of the diggers and to the side of the deep cut, means for forcefully throwing the dirt from the conveyor, a chute for discharging a predetermined portion of the dirt at the side of the shallow cut and forming a mound of predetermined height and a baffle adjustably mounted at the upper end of said chute for regulating the amount of dirt passing therethrough.

2,237,774

TREATING SILICON COPPER-BASE ALLOYS

Maurice L. Wood, Waterbury, Conn., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn., a corporation

No Drawing. Application July 23, 1940, Serial No. 347,002

8 Claims. (Cl. 148—21.2)

1. The process of improving the properties of a copper-base alloy containing from about 1.5% to about 3.5% silicon, which consists in heat treating the alloy within a temperature range of from about 1500° F. to about 1700° F. for a period of time corresponding to, at least about two hours at a temperature of about 1500° F. or at least about one and one-half hours at a temperature of about 1600° F. or at least about one hour at a temperature of about 1700° F.

5. An improved article of manufacture which has been wrought from a copper-base alloy containing from about 1.5% to about 3.5% silicon, and which has been heat treated within a temperature range of from about 1500° F. to about 1700° F. for a period of time corresponding to, at least about two hours at a temperature of about 1500° F. or at least about one and one-half hours at a temperature of about 1600° F. or at least about one hour at a temperature of about 1700° F.

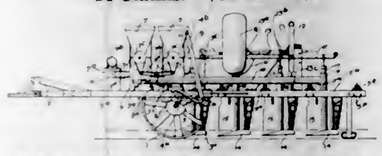
2,237,775

COMBINATION PLOW, FERTILIZER, AND FUMIGATING APPARATUS

George H. Woods, San Diego, and William F. McCollough, Calexico, Calif.

Application June 15, 1938, Serial No. 213,826

14 Claims. (Cl. 111—7)



13. In a plow of the class described, the combination of a plurality of hollow tapered substantially rectangularly shaped plow members open over the whole area at their lower sides, positioned in staggered relation to each other and so arranged that their paths overlap each other at their edges when in operation and burners in cooperative relation with the interior of said plow members.

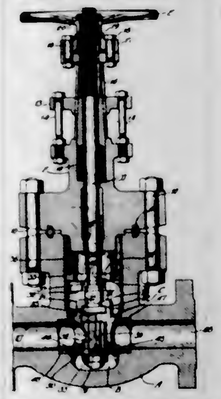
2,237,776

GATE VALVE

Lester W. Benoit, Shillington, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

Application May 12, 1938, Serial No. 207,482

2 Claims. (Cl. 251—59)



1. In a gate valve, a valve body provided with a central valve compartment and with cylindrical ports on each side of said compartment communicating therewith, said ports having a smooth bore throughout the valve body and having coinciding axes, said ports also being enlarged adjacent said compartment to provide annular shoulders lying in planes normal to the common axis of said ports, hollow cylindrical valve seats of a wall thickness equal to the depth of said shoulders fitted in said enlargements against said shoulders whereby said valve seats maintain the smooth bore continuity of the cylindrical ports, said valve seats having hard-surfaced valve seat faces constituting parts of the surface of a cone having its axis normal to the common axis of said ports, and a conical valve cooperating with the valve seat faces of said valve seats.

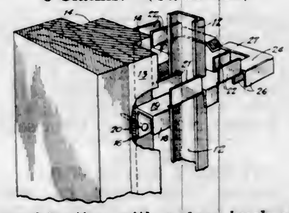
2,237,777

WALL CONSTRUCTION

Harry H. Burson, Chicago, Ill., assignor to Norman C. Spong, Chicago, Ill.

Original application April 7, 1938, Serial No. 200,699. Divided and this application August 4, 1939, Serial No. 288,324

3 Claims. (Cl. 20—11)



1. In combination with a door buck or the like having a shouldered face, a clip provided with a body portion apertured to embrace a studding, a studding standing in spaced relation to the door buck and extending through the body of the clip, channel forming members on each side of the body and each provided with tongues adapted to afford channels and also provided with an apertured attaching tongue abutting against the adjacent face of the shouldered door buck, an attaching device entered through each of said apertured tongues, and wall board sections socketed within the channels.

2,237,778

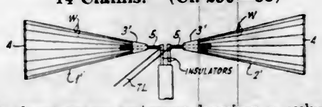
SHORT WAVE ANTENNA

Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 29, 1938, Serial No. 187,594

Renewed January 25, 1940

14 Claims. (Cl. 250—33)



1. A short wave antenna having a substantially flat impedance characteristic over a wide range of frequencies, comprising a conductive structure in the form of a conical surface of revolution, a transmission line connected to the apex of said structure, means for adjusting the effective angle of generation of said structure so that the impedance thereof at its connection to said transmission line matches the impedance of said transmission line.

2,237,779

WIDE BAND ANTENNA ARRAY

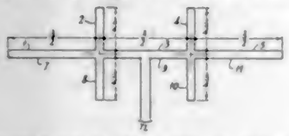
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 24, 1938, Serial No. 209,658

11 Claims. (Cl. 250—11)

1. An antenna system comprising a conductor having a plurality of co-linear radiating portions and non-radiating phasing loops between said radiating portions, another conductor having its ends connected to the ends of said first conductor and having a plurality of

serially connected co-linear radiating portions and non-radiating phasing loops arranged with said co-linear portions parallel to those of said first conductor and closely spaced thereto, said spacing being of the order of 1/100 of the length of the operating wave whereby the



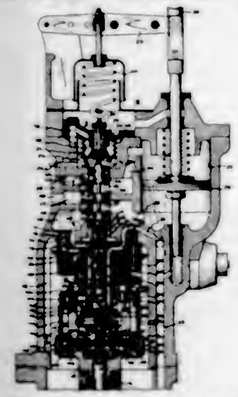
mutual impedance of said pair of conductors is substantially equal to the impedance of said first conductor alone, said other conductor being electrically discontinuous at its center and a transmission line connected across said discontinuity whereby the said conductors are all energized in a series relationship from said line.

2,237,780

TURBINE GOVERNOR

Manious Gottlieb, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 8, 1939, Serial No. 260,478
16 Claims. (Cl. 264—18)



1. In a governor providing fluid under pressure, a rotary member; a leaf spring extending diametrally of the rotary member, having its ends supported by the latter, and having an intermediate bent section providing a force-transmitting portion aligned with the rotary member; fly-weights carried by the leaf spring; a transformer for transforming changes in force into changes in fluid pressure; said transformer including a valve member in axial alignment with the rotary member and a housing for the valve member; a load spring; and thrust connections between the load spring and said leaf spring force-transmitting portion and between the latter and the transformer valve member.

2,237,781

PRODUCTION OF GUANIDINE SULPHAMATES

William H. Hill, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 29, 1939, Serial No. 306,675
2 Claims. (Cl. 260—564)

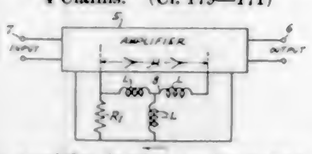
1. A method for the production of a guanidine sulphamate which comprises fusing one of the group consisting of ammonium sulphamate and the amine addition salts of sulphamic acid with dicyandiamide to form a melt containing the product.

2,237,782

FEEDBACK CIRCUIT

Erwin Hölzler, Berlin-Halensee, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany, a corporation of Germany

Application August 4, 1938, Serial No. 222,971
In Germany August 7, 1937
4 Claims. (Cl. 179—171)



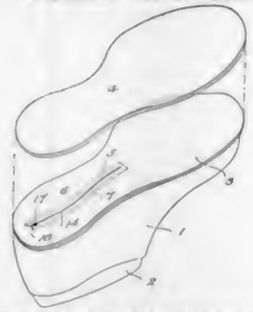
1. An amplifier having an input and an output, means for feeding back energy from said output to said input including a correcting network having an impedance which varies in a predetermined manner with the frequency applied thereto, said network comprising series positive inductances and a negative shunt inductance, said inductances being so proportioned that no phase shift is introduced.

2,237,783

METHOD OF STIFFENING SHOE INSOLES

Frederick H. Hummel, Brooklyn, N. Y., assignor to Philmus Bros. and Sobel, Brooklyn, N. Y., a copartnership composed of Jacob Philmus and Abraham J. Sobel

Application July 24, 1940, Serial No. 347,128
6 Claims. (Cl. 12—146)



4. The method of stiffening shoe insoles which consists of slitting the insole through the portion to be stiffened to provide a pocket within its interior, bisecting the outer wall of said pocket by a narrow elongated slot, and inserting into said pocket a metallic stiffener so as to present a substantially smooth surface on the slotted face of the insole for receiving a covering layer whereby no portion of said stiffener is exposed to the exterior.

2,237,784

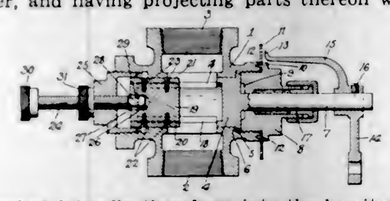
VALVE

George A. Iler, Melrose Park, Ill., assignor to The McAlear Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application June 14, 1937, Serial No. 148,032
4 Claims. (Cl. 277—64)

1. A valve comprising a casing having a passageway therethrough, a rotatable hollow valve

member in said casing open at the end and having longitudinal slots through the sides thereof which communicate with the hollow of said valve member, the hollow and the slots forming a passageway through the valve member, a stem connected with said valve member projecting through one end of the casing, by means of which the valve member is controlled, a solid adjusting device slidably mounted in said hollow valve member, and having projecting parts thereon which



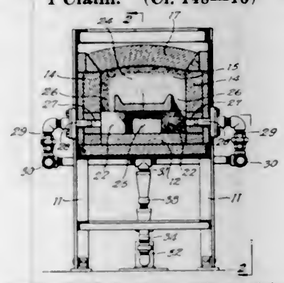
project laterally therefrom into the longitudinal slots in the valve member which close the portions of said slots into which they are received and which also act to hold the sliding adjusting device against rotation when the valve member is stationary and a controlling member connected with said adjusting device for moving it longitudinally of the valve member, said controlling member projecting through the opposite end of said casing.

2,237,785

METHOD FOR HEAT TREATING IN A SEMI-MUFFLE TYPE FURNACE

James H. Knapp, Beverly Hills, Calif., assignor to James H. Knapp Co., Los Angeles, Calif., a corporation of California

Application February 27, 1939, Serial No. 258,639
1 Claim. (Cl. 148—16)



In a method of heat treating which includes the steps of: mixing with predetermined proportions of a combustible mixture of combustible and oxygen bearing gases hydrocarbon gas and hydrogen producing gas; combusting the combustible mixture to produce heat and products of combustion and to convert by the action of heat the hydrocarbon gas and hydrogen producing gas into carbon monoxide and hydrogen and thereby form a substantially non-scaling atmosphere; and enveloping the work to be heat treated with said gaseous atmosphere to heat and prevent scaling of the work.

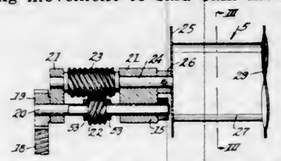
2,237,786

REAR-SHUTTER MECHANISM FOR MOVING PICTURE PROJECTING MACHINES

Oscar Krastel, Columbus, Ohio, assignor to The L. J. Gardiner Company, Columbus, Ohio, a corporation of Ohio

Application December 7, 1937, Serial No. 178,552
4 Claims. (Cl. 88—19.3)

1. In motion picture projection apparatus of the type having a light source, a projection head and an intermittent drive for the film passing through said head, a pair of spaced parallel shafts extending transversely of said head, a shutter carried by the first of said shafts, said shutter being disposed between the light source and the film, intermeshing gears of unequal length carried by said shafts, the shorter of said gears being movable longitudinally on the shaft therefor, motion transmitting means connecting the second shaft with the intermittent drive, means for moving the shorter gear on its shaft to vary the position of said shutter with respect to said intermittent drive having a pivotally mounted lever, means for transmitting movement from said lever to said gear, spring means for moving said lever in one direction, cam means disposed adjacent said lever for imparting movement thereto in opposition to said spring, and means for imparting movement to said cam means.



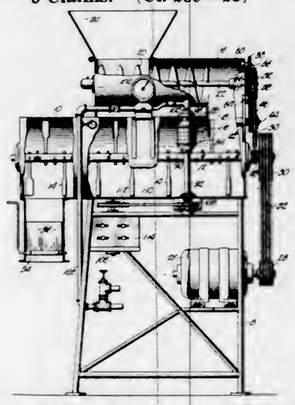
3. In motion picture projecting mechanism of the type having a projection head, a shutter, driving means for said shutter including a pair of gears of unequal length and means for adjusting said shutter having a lever, motion transmitting means connecting said lever and one of said gears, and cam means for imparting movement to said lever; means for supporting said lever comprising a block, means for pivotally mounting said lever on said block, guide means securing said block to said projection head for adjustment in a direction parallel to that of the movement imparted to said lever by said cam means, and means provided on said head for moving said block to impart pivotal movement to said lever to effect adjustment of said gear and shutter independently of movement of said cam means.

2,237,787

FEED MIXER

Porter Marshall, Clay Center, Kans.

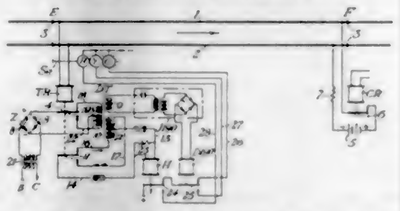
Application February 9, 1940, Serial No. 318,124
5 Claims. (Cl. 259—23)



1. A feed mixer of the character described comprising a horizontally disposed drum having a plurality of rotary beaters therein movable about

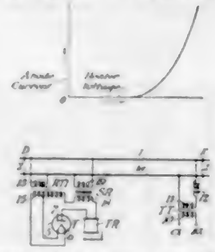
a horizontal axis; a hopper in communication with the drum; means having parts in the hopper for feeding material therefrom into the drum at selected rates of speed; a hollow, rotatable bowl in the drum provided with perforations in the side wall thereof; means for spinning the bowl about a vertical axis for directing material therefrom in horizontal paths above the bottom of the drum; and a pipe for supplying liquids to the bowl as the same is spinning, said beaters serving to mix with feed such material as falls by gravity to the bottom of the drum.

2,237,788
RAILWAY TRAFFIC CONTROLLING APPARATUS
Frank H. Nicholson, Penn Township, Allegheny County, and Leslie R. Allison, Forest Hills, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 28, 1938, Serial No. 210,744
16 Claims. (Cl. 246—38)



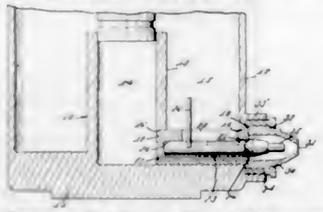
7. In a railway signaling system, in combination, a control circuit which transmits recurring pulses of coded energy at times and which discontinues that transmission at other times, a code following relay having a winding connected with said control circuit to receive said transmitted energy pulses therefrom and provided with first and second contacts which occupy a released position when said winding is deenergized but which are moved to a picked-up position during each of the said energy pulses that said winding receives, a decoding transformer, a source of direct current exciting energy for said transformer, a connection of the transformer primary with said exciting source which includes said first contact of the code following relay and which respectively is established and interrupted by that contact upon movement thereof to and away from one of its positions whereby when said contact is recurrently picking up and releasing said transformer generates a secondary voltage pulse of one relative polarity upon each of said pick-ups and a secondary voltage pulse of the opposite relative polarity upon each of said releases, a decoding relay having an operating winding together with a contact that becomes picked up when and only when said operating winding receives current that has a single predominant direction of flow, and a connection of the transformer secondary with said decoding relay winding which includes said second contact of said code following relay and which respectively is established and interrupted by that contact upon movement thereof to and away from one of its positions whereby during response of the code following relay to said coded energy the current circulated through said decoding relay winding by the then generated pulses of said transformer secondary voltage is given the said single predominant direction of flow that is effective to pick up said decoding relay contact and whereby during failure of said code following relay to respond to coded energy such current as results from pulses of transformer secondary voltage that may then be generated by fluctuations in the transformer exciting current is passed through the decoding relay winding in a periodically changing direction that is ineffective for picking up the decoding relay contact.

2,237,789
RAILWAY TRACK CIRCUIT APPARATUS
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 13, 1940, Serial No. 318,746
20 Claims. (Cl. 246—34)



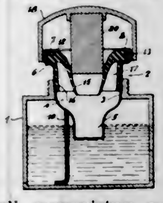
1. A railway track circuit comprising the combination with a stretch of railway track having means for supplying trackway energy to the track rails of said stretch, of an electronic device having two electrodes one of which must be energized in order to condition such device to pass current between its electrodes, means for impressing an electromotive force across said two electrodes, means controlled by energy derived from said track rails for energizing said one electrode, and a control device controlled by the current flow between said two electrodes as created by said electromotive force.

2,237,790
MELTING POT DISCHARGE ASSEMBLY FOR TYPE CASTING MACHINES
Jay T. Rogers, Indianapolis, Ind.
Application February 28, 1940, Serial No. 321,162
1 Claim. (Cl. 199—47)



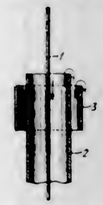
A nozzle assembly for melting pots, comprising a melting pot having a wall perforated for the reception of a valve thimble, a valve thimble slidingly projected into said perforation and having an external flange engaging the outer face of the perforated pot wall, a nozzle shell, the inner end of which rests upon the outer end of the valve thimble and the outside of which is provided with a circumferential shoulder, and a clamping element having a shoulder oppositely associable with the nozzle shell shoulder, and means for associating said clamping element with the pot by a readily separable connection capable of firmly clamping the nozzle shell and valve thimble together upon the pot in a fluid-metal tight association.

2,237,791
INKWELL
Santos Pastor, New York, N. Y., assignor to The Carter's Ink Company, Cambridge, Mass., a corporation of Massachusetts
Application June 21, 1940, Serial No. 341,673
4 Claims. (Cl. 120—64)



1. An inkwell comprising an ink container, an attachment having a body detachably secured to enter said container, said body having formed within it at the bottom a dipwell and above an air chamber, a conduit connected with the chambered interior of said body and with extension into said ink container, an elastic element secured to said attachment at the top thereof in closed connection therewith and depending into said air chamber and with passage therethrough in communication with said dipwell, and a distorting means larger in lateral dimension than the passage through said elastic element and movable to enter and fill the passage through said element and laterally distort the wall thereof whereby a partial vacuum will be obtained within said body and ink will be caused to flow from said ink container through said conduit into said dipwell upon the withdrawal of said distorting means.

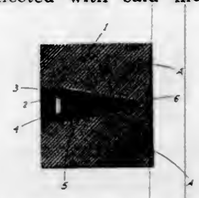
2,237,792
ANTENNA SYSTEM AND FEEDER
Hans Otto Roosenstein, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 29, 1939, Serial No. 270,783
In Germany May 14, 1938
7 Claims. (Cl. 250—33)



1. In combination, an antenna, a coaxial feeder having an inner conductor and an outer shell, its inner conductor being connected to said antenna, and a hollow metallic tube surrounding the outer shell of said feeder for a portion near its end adjacent said antenna, said tube being insulated from said outer shell and consisting of magnetic material to produce high electric loss in the outer surface of said feeder.

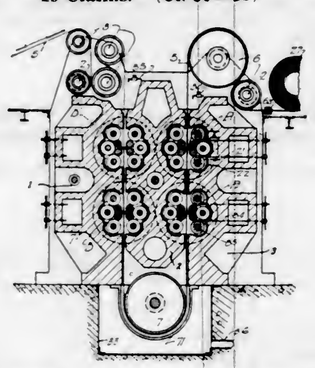
2,237,793
SPONGE
Martin W. Rudd, Fresno, Calif.
Application June 17, 1939, Serial No. 279,685
1 Claim. (Cl. 15—130)

In a fountain sponge including a sponge body, a tapering water distributing passage member embedded in the body, and a hose coupling member connected with said member at the



large end and opening out of the body; said member being of wire fabric of fine but open mesh whereby to fully diffuse the water flowing therethrough into the sponge body.

2,237,794
DEVICE FOR REDUCING SHEET METAL
Tadeusz Sendzimir, Paris, France, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application May 12, 1937, Serial No. 142,217
19 Claims. (Cl. 80—35)

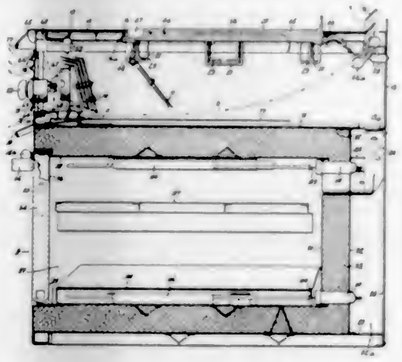


1. A method of reducing strip metal which consists in passing it successively through two or more pairs of reducing rolls while driving said reducing rolls at a fixed ratio of speed to each other, controlling the rate of feed of the strip metal to the first pair of reducing rolls by a non-reducing, positive feeding instrumentality and controlling the rate of withdrawal of the metal from the last pair of reducing rolls by a non-reducing, positive instrumentality, so that the feeding-in and feeding-out of the metal to the several pairs of reducing rolls bears a fixed ratio of speed to the speed of the reducing rolls.

2,237,795
ELECTRIC RANGE
Jacob L. Shroyer, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill., a corporation of New York
Application December 21, 1937, Serial No. 181,014
5 Claims. (Cl. 219—37)

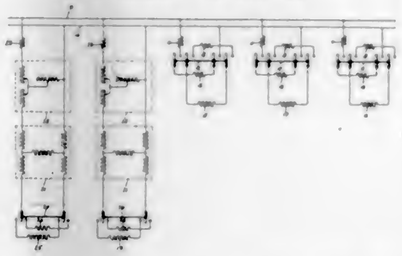
1. In an electric range having a top plate and heating elements in said top plate, controlling elements for said heating elements located at the front of and below said top plate, a metallic drip tray below said heating elements having its front edge terminating considerably to the rear of and below said controlling elements so that

heat imparted to said drip tray from said heating elements is not radiated and conveyed to said controlling elements, a handle for said tray be-



low said controlling elements accessible at the front of said top plate, and relatively low heat conducting members connecting said handle with said tray.

2,237,796
MIXER CIRCUIT
Richard L. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 21, 1939, Serial No. 269,304
8 Claims. (Cl. 178—44)



1. In combination with at least three electric translating devices, at least two of said devices being sources of electric energy and at least one of said devices being a load therefor, said devices being connected together for interflow of electric power, means for transferring power between said devices including an impedance connected with each of said devices, said impedance having a value such that the driving point impedance of the circuit connected across the terminals of each device is equal to the characteristic impedance of said device.

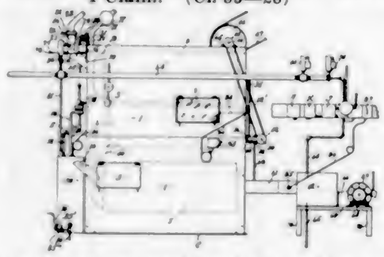
2,237,797
DIAL HAND FOR RADIO RECEIVERS AND THE LIKE
Lester R. Snow, Winchester, Mass., assignor to J. H. Winn's Sons, Winchester, Mass., a firm
Application June 25, 1940, Serial No. 342,258
8 Claims. (Cl. 116—124.2)

1. A dial hand for radio receivers comprising a stamped metal body portion having a pointer radiating therefrom, said body portion having an opening therethrough, and a button of translucent plastic material fixedly secured in said



opening and including means for attachment thereof to a rotatable shaft of a radio receiver.

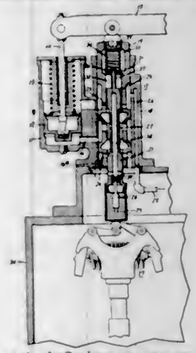
2,237,798
TEMPERING MACHINE FOR WHEAT OR OTHER GRAIN
Percy W. Thomas, Wichita, Kans.
Application March 13, 1939, Serial No. 261,569
1 Claim. (Cl. 83—28)



In a tempering machine for wheat or other grain, a casing, a drum and an auger trunnioned in the casing, one head of the drum being open, the other closed but having a series of openings adjacent the closed head and spaced thereabout as an exit therefor, a chute to conduct grain through the open head into the drum, a gate and a flutter wheel positioned in the chute as a control for the flow of grain into the drum, there being a chute for the exit end of the drum and communicating with the auger and said exits whereby wheat is conducted to the auger, the trunnion for the drum being a hollow apertured shaft and rotatable with the drum, a steam pipe connected to the shaft as a supply for steam flow therethrough, a water supply pipe for the auger and a series of spray nozzles carried by the pipe in spaced relation above the auger, a water tank and a heating coil in the tank, a lateral connecting the coil to the steam pipe, a motor controlled valve for the lateral and said steam pipe, and a bulb and a temperature controller for the grain on its path from the drum to the auger, a bulb and temperature controller for the water in the tank, another drum rotatably mounted in the casing beneath the auger, and a chute as a conductor for grain from the auger to the drum, and in which the grain is dryed by evaporation and means to turn said drums, auger and flutter wheel simultaneously.

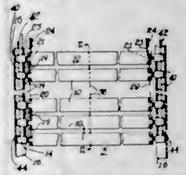
2,237,799
HYDRAULIC GOVERNING MECHANISM
Francis H. Van Nest, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application July 7, 1939, Serial No. 283,215
4 Claims. (Cl. 121—42)

1. Hydraulic governing mechanism comprising a hydraulic motor, a governor subject to vibration during operation, a pilot valve having a valve head connected to the governor for controlling the flow of operating fluid to the motor and a bushing connected to the motor, the bushing and



the valve head defining a space, and means including a stationary disk having an opening located in the space and separating the space into two chambers communicating through the opening to form a dashpot to reduce the transmission of vibration from the governor to the pilot valve.

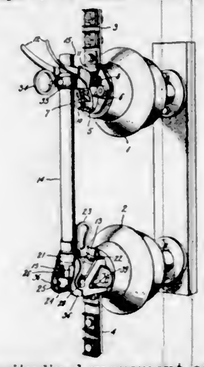
2,237,800
METALLIC BLIND
Owen T. Webber, Pittsburgh, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
Application September 25, 1937, Serial No. 165,645
9 Claims. (Cl. 189—62)



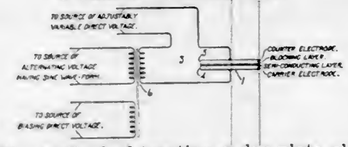
1. An all metal exterior window blind and fire shutter comprising a series of stainless steel slats, a vertically slidable block pivotally connected to each end of each said slat, means for holding the blocks on each side of said slats in vertical spaced relation, means for adjusting and holding the slats at any desired angle of inclination relative to said blocks, means for subjecting said slats to a continuous closing force, means for raising and lowering said blocks, fusible means associated with said slat adjusting and holding means, and fusible means associated with said block raising and lowering means.

2,237,801
CIRCUIT BREAKER
Edwin A. Williams, Springfield, Pa., assignor to General Electric Company, a corporation of New York
Application February 1, 1935, Serial No. 4,568
13 Claims. (Cl. 200—116)

3. A circuit breaker comprising a pair of spaced terminals, a fuse containing housing having a member which is expelled therefrom by operation of the fuse, a trunnion providing a hinged support for said housing and having a collar in which said housing is longitudinally slidable, latch means between said collar and said housing for preventing sliding of said housing in said collar, said latch means being released by impact of said member, means released by longitudinal movement of said housing for holding said housing between said terminals, and means for moving said housing from between said terminals.



2,237,802
METHOD OF TREATING DRY PLATE ELEMENTS
Heinz Wittke, Hohen-Neuendorf, near Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application June 5, 1939, Serial No. 277,503
In Germany June 14, 1938
4 Claims. (Cl. 175—366)

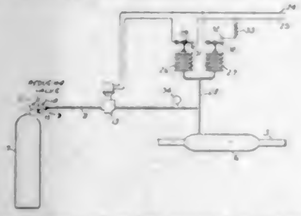


2. The method of treating a dry plate element of non-symmetrical conductivity which includes providing an alternating voltage having a sine wave-form, impressing a direct voltage upon said alternating voltage to produce a resultant voltage, and impressing said resultant voltage upon said element, the peak value of said alternating voltage and the value of said direct voltage being each relatively high to cause the peak value of the resultant sum voltage in the blocking direction to be sufficiently high to burn out short-circuit areas of said element and said peak value of the alternating voltage exceeding the value of the direct voltage by only a relatively small amount to cause the peak value of the resultant difference voltage in the current conducting direction to be substantially less than the peak value of alternating voltage impressed upon said element in the current conducting direction in normal use of said element for rectification.

2,237,803
CONTROL MEANS FOR GAS FILLED CABLES
Stephen Zysk, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 17, 1939, Serial No. 251,377
6 Claims. (Cl. 174—11)

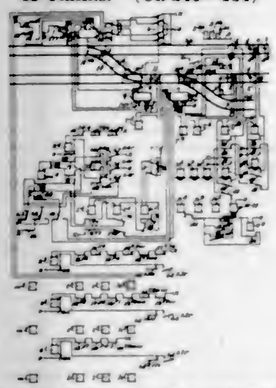
1. A power cable system comprising conductors, insulation thereon, an enclosing sheath for the conductors, a channel within the sheath con-

taining an insulating gas under predetermined positive pressure to assist in insulating the conductors, a tank containing at all times a supply of said gas under relatively high pressure, a pipe receiving gas from the tank and supplying it to the interior of the sheath, a regulator for reducing the pressure of the gas flowing from the tank to that of the predetermined gas pressure within the cable sheath, an intermittently acting, nor-



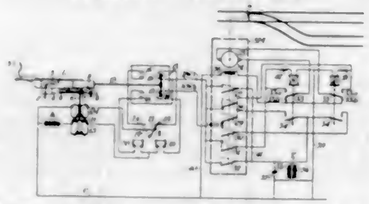
mally closed shut-off valve located in the pipe between the regulator and the cable, a first means responsive to predetermined changes of gas pressure within the sheath and channel for normally opening and closing the valve, and a second means responsive to a higher than normal gas pressure within the sheath and channel which assumes control of and shuts the valve when for any reason the first means fails to do so.

2,237,804
INTERLOCKING CONTROL APPARATUS
Earl M. Allen, Swissvale, and Howard A. Thompson, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 5, 1935, Serial No. 14,868
Renewed August 22, 1936
45 Claims. (Cl. 246—134)



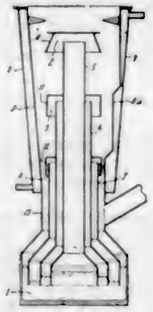
1. In an interlocking control system for a plurality of railway tracks interconnected by switches to form a plurality of routes, a normal and a reverse control relay for each of said switches, a manually operable lever for each route end, a route relay for each route end, a plurality of circuits corresponding to said routes one for each direction of traffic movements over each of said routes and each of which includes in series the control element of the normal or the reverse control relay for each switch in the corresponding route and also a contact controlled by the manually operable lever for each end of the route as well as the control element of the route relay at the end of the circuit which corresponds to the entrance end of the route for the direction of traffic movements with which the circuit is associated and also a source of current for operating the relays of the circuit, means controlled by the normal and reverse control relays for each switch for operating the corresponding switch to normal and reverse positions respectively, a signal for each route end, and means controlled by said route relays for operating said signals.

2,237,805
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Swissvale, and Henry S. Young, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 10, 1940, Serial No. 318,302
10 Claims. (Cl. 246—138)



1. The combination with an electrically controlled mechanism operable between two positions, a manually operable lever for controlling said mechanism, latch means effective to restrict movement of said lever in a predetermined position, and indication mechanism effective when energized for releasing said latch means, of a reactance means, means responsive to movement of said mechanism toward one position for storing energy in said reactance means, and means effective when said mechanism is moved to said one position for releasing the energy stored in said reactance means and for supplying it to said indication mechanism to remove the restriction from said lever.

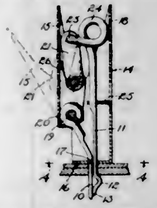
2,237,806
CONDENSATION VACUUM PUMP
Frank Edmund Bancroft, Sale, and Charles Walter Miller, Roundhay, Leeds, England, assignors, by mesne assignments, to General Electric Company, a corporation of New York
Application January 11, 1940, Serial No. 313,390
In Great Britain January 12, 1939
3 Claims. (Cl. 230—101)



1. A vertical diffusion pump of the type which includes a plurality of superimposed cowled jets discharging downwardly into a condensing

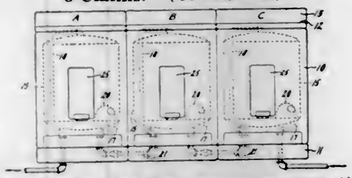
space defined by the wall of the pumping chamber, wherein the cowls associated with the various jets are of substantially uniform diameter and the wall of the pumping chamber is of progressively reduced diameter in a downward direction for the purpose and with the effect of decreasing the clearances between the lower cowls and the said wall.

2,237,807
SHEET CLAMP
Merrill G. Barker, Los Angeles, Calif.
Application December 24, 1940, Serial No. 371,477
12 Claims. (Cl. 85—5)



1. A hole engaging clamp comprising, a pair of elements adapted to be inserted in a hole extending through the members to be clamped, means causing relative axial movement between said elements, and means causing separation of said elements upon such movement, whereby said elements are forced against the walls of the hole.

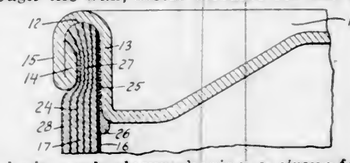
2,237,808
WATER HEATER AND CONTROL THEREFOR
Leo F. Berg, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application September 7, 1939, Serial No. 293,740
8 Claims. (Cl. 219—39)



1. In a water heating system, a plurality of separate water heater tanks connected together in series, heating means for each of said tanks for heating the water contained therein, separate temperature responsive means for each of said tanks controlling the heating means of the tank to control the temperature of the water in the tank, and means interconnecting said control means so that the heating means for only one of said tanks can be energized at any one time.

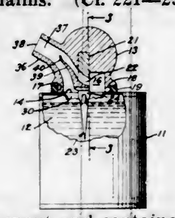
2,237,809
CONTAINER
Fred L. Bronson, New York, N. Y., assignor to The Fibre Can and Machinery Company, New Haven, Conn., a corporation of Connecticut
Application October 23, 1937, Serial No. 170,525
9 Claims. (Cl. 229—3.5)

1. A container suitable for lubricating oils and similar materials comprising a cylindrical body composed of laminations of flexible sheet material wound convolutely and bound together by intervening films of adhesive, the laminations being present only in sufficient number and the films of adhesive being sufficiently thin and flexible to produce a wall which is flexible, said wall being capable of withstanding substantial distortion without being injured to the extent of permitting loss of the contents of the container, at least one complete circumferential convolution of adhesive being of gummy, oil-impervious material retaining those characteristics indefinitely regardless of the presence of moisture and providing a barrier against passage of the contents through the wall, metal closures for the ends of



the body, each closure having a circumferential channel in which an end of the body is received, the walls of the channel tightly clamping said end of the body, and films of sealing material interposed at least between the inner surface of the body and adjacent walls of the end closures, said material being oil-impervious, gummy, and tacky and retaining those characteristics indefinitely regardless of the presence of moisture and sealing the body against passage of the contents between the ends of the body and the end closures.

2,237,810
POURING SPOUT AND CONTAINER OPENER
Rudolf A. Casper, San Francisco, Calif., assignor of one-half to Carl Assmann, San Francisco, Calif.
Application March 15, 1940, Serial No. 324,132
3 Claims. (Cl. 221—23)

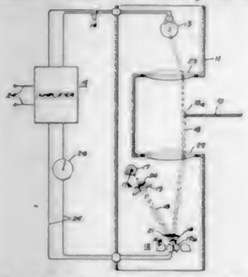


2. A pouring spout and container opener comprising a body having an open bottom, an interior wall dividing said open bottom into a liquid discharge chamber and an air inlet chamber; said wall having an inclined opening therein, a spout on said body having an inclined passage therein merging with said inclined opening in said wall; said passage communicating with the atmosphere at one end thereof and communicating at its other end not only with said liquid discharge chamber but also with said air inlet chamber through said inclined opening, and a container puncturing member depending from said wall.

2,237,811
STRIP WIDTH INDICATING DEVICE
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 13, 1940, Serial No. 345,426
8 Claims. (Cl. 33—125)

1. A system for indicating the position of the edge of an object comprising means for projecting a light beam past said edge so that a portion of said beam is intercepted by said object and the amount of said portion is varied in response to

movement of said object, means for changing the position of said beam, light sensitive means responsive to the unintercepted portion of said beam for controlling said position changing means to move said beam to a position in which



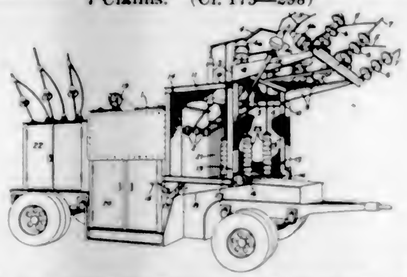
the amount of light received by said light sensitive means has a predetermined relationship to the position of said edge, and means controlled by said light sensitive means for indicating the position of said beam.

2,237,812

PORTABLE UNIT SUBSTATION

Earl V. De Bleux, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application February 23, 1940, Serial No. 320,232
7 Claims. (Cl. 175—298)



1. In an electric system, a portable high-voltage unit substation comprising in combination a high-voltage transformer, high-voltage terminal equipment adapted to be interposed between said transformer and said system, and a framework supporting said equipment and adjustably mounted on said transformer to afford said equipment an elevated and lengthwise extended operating position with liberal insulation distances and convenient for connection to said system, and a retracted shipping position substantially reducing the height and the length of said substation for shipment.

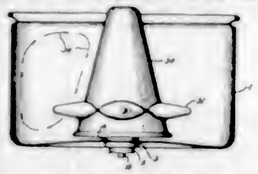
2,237,813

WASHING MACHINE

George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York

Application July 8, 1937, Serial No. 152,556
4 Claims. (Cl. 68—136)

1. In a washing machine, a tub, a dolly at the center of the tub arranged for oscillation about a vertical axis, said dolly having a few long spaced radial pegs rigidly secured thereto and projecting horizontally from the dolly in the lower part of the tub only, said pegs being so constructed and arranged throughout the major portion of their length as to present to the clothes in contact therewith rearwardly inclined leading edges as regards the direction of rotation of the dolly said pegs being of stream-lined transverse section whereby substantially no circulation of water is produced by the pegs, the



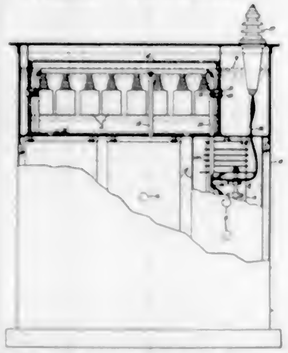
rearward inclination and radial extent of said pegs being sufficient to cause the clothes in contact therewith to be forced outward toward the sides of the tub with sufficient momentum so that the clothes circulate upward along the sides of the tub and downward at the center of the tub.

2,237,814

ELECTRICAL APPARATUS

Levin W. Foster, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application June 22, 1940, Serial No. 341,914
5 Claims. (Cl. 171—242)



1. An electrical apparatus including a reactor, a thermally insulated casing, a capacitor within said casing and having electrical connections with said reactor, a fluid dielectric for said reactor surrounding said casing, openings in said casing so disposed that said fluid may circulate through said casing in order that heat developed by said capacitor may be conducted therefrom, and means including a temperature responsive means for controlling the rate at which said fluid may circulate through said openings so that the temperature of said capacitor can be controlled within a predetermined range.

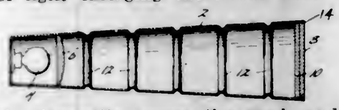
2,237,815

ANTIGLARE HEADLIGHT FOR VEHICLES

David M. Fulton, Baltimore, Md., assignor to Jean Fulton and Gladys Fulton, both of Baltimore, Md.

Application May 9, 1939, Serial No. 272,719
1 Claim. (Cl. 240—48.4)

In a motor vehicle, a headlight on each side of said vehicle, each of said headlights having a light, a lens in front of and close to said light, an elongated tunnel for each headlight, said light and said lens being disposed in the rear part of said tunnel, each of said tunnels being of sufficient length and having non-longitudinal protuberances on the inner wall thereof for effecting reflection of most of the rays of light after emerging from said lens and before issuing from said tunnel, and each of said tunnels being fixed to said vehicle and constrained to project the rays of light emerging therefrom close to the



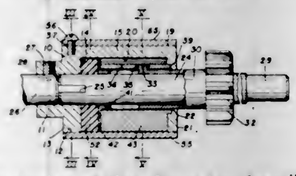
ground, diagonally across the road, and in a direction to intersect the rays of light emerging from the companion tunnel on said motor vehicle, the rays of light emerging from the tunnel on the right hand side of the automobile being at a greater angle from the direction of the wheels than the angle of inclination to the direction of the wheels of the rays emerging from the tunnel on the left hand side of the automobile.

2,237,816

ENGINE STARTING DEVICE

Benjamin Getz and Alex Johnson, Milwaukee, Wis.

Application July 25, 1938, Serial No. 221,147
8 Claims. (Cl. 74—9)



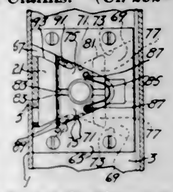
1. In a device of the character described, the combination with a starting driver shaft, a driven shaft telescopically mounted relative to said driver shaft, a pinion fixedly mounted for rotation with said driven shaft to engage and disengage an engine gear for starting purposes, a sleeve telescopically associated with said driven shaft, there being a screw connection between said sleeve and driven shaft, an eccentric formed on said sleeve, a retainer member associated with said driver shaft to circumferentially confront said sleeve eccentric, a pair of arcuately preformed resilient rubber means interposed between said last named member and said eccentric on said sleeve to operatively effect their connection, and an axially disposed preformed rubber member operatively interposed between said driver and driven shafts to sustain end thrusts therebetween.

2,237,817

DOOR LATCH

Robert C. Grubb, San Francisco, Calif.

Application February 17, 1939, Serial No. 256,900
11 Claims. (Cl. 292—33)



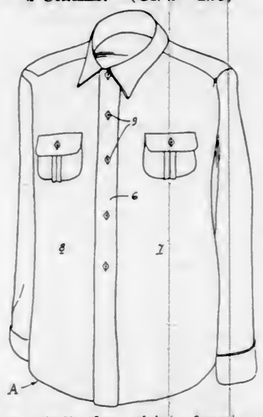
1. Door latch mechanism comprising a base plate having a lateral flange, said base plate and flange being notched at the junction thereof to provide for entrance of a striker, cooperating wedge members normally spaced to receive said striker therebetween, a guide block having angularly disposed guideway surfaces fitting said wedges and determining the spacing thereof, said wedges being directly movable along said guideway surfaces but in the same direction with said striker after reception thereof between said wedges to force said wedges into a tight wedging engagement between said guideway members and said striker.

2,237,818

BOX PLAIT FOR SHIRT FRONTS

Milton Grunbaum, San Francisco, Calif., assignor to Levi Strauss and Company, San Francisco, Calif., a corporation of California

Application October 11, 1939, Serial No. 298,934
2 Claims. (Cl. 2—128)



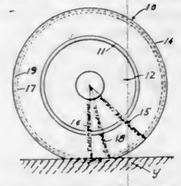
1. A box plait for shirt fronts comprising material on one side of the shirt folded upon itself and stitched to form a tube, said tube being flattened to position the line of stitching on the under side of the tube where it will be obscured, a strip of inner liner material inserted in said flattened tube, a plurality of buttonholes formed in the shirt material of the flattened tube and also in the inserted inner liner, and buttonhole stitching around each buttonhole to reinforce the buttonholes and to anchor the inner liner.

2,237,819

TIRE CASING AND METHOD OF PRODUCING THE SAME

Paul E. Hawkinson, Minneapolis, Minn.

Application August 9, 1937, Serial No. 158,057
4 Claims. (Cl. 154—14)



1. A tire casing comprising a carcass made up of flexible reinforcing elements held together by an elastic binding material, and a road-engaging crown tread material applied over the crown portion of the carcass, the elastic elements of the

carcass being, when the casing is inflated and unrestrained against outward expansion, subject to their own yielding tension to distort to a laterally expanded circumferentially contracted condition wherein all points about the circumference thereof have a radius approximately midway between the normal expanded radius thereof and the normal rolling radius thereof, the said road-engaging crown tread material being, when the casing is inflated and unrestrained against outward expansion, subject to its own yielding tension to contract circumferentially to a condition wherein all points about the circumference will have a radius approximating that of the normal rolling radius of the tire.

4. The method of producing tire casings which includes the steps of forming an incomplete casing in a raw state of reinforcing elements and a binder that is elastic when cured, in curing such incompletely formed casing while holding the same in a laterally expanded circumferentially and radially contracted condition wherein all points about its circumference have a radial measurement approximately midway between the expected ultimate expanded radius thereof and the ultimate expected rolling radius thereof, and in thereafter applying to the crown portion of the previously cured incomplete casing an annular band of road-engaging tread material that will be elastic when cured, and curing the newly added tread material while holding the casing in a laterally expanded circumferentially and radially contracted condition wherein the radial measurement at all points about the circumference thereof will approximately equal the expected rolling radius of the tire.

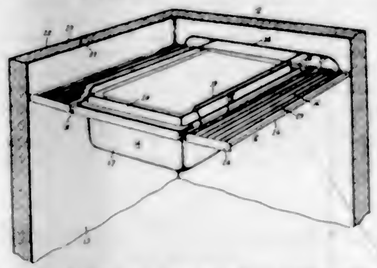
2,237,820

FOOD STORAGE RECEPTACLE FOR REFRIGERATORS

George S. Hill, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application October 11, 1939, Serial No. 298,964

9 Claims. (Cl. 62—89)



1. A food storage receptacle having variable means providing ventilation therefor, said receptacle being so constructed and arranged that the weight of the material placed therein causes operation of said variable means for varying the amount of ventilation between the inside and outside of said receptacle according to the weight of the food placed within said receptacle.

2,237,821

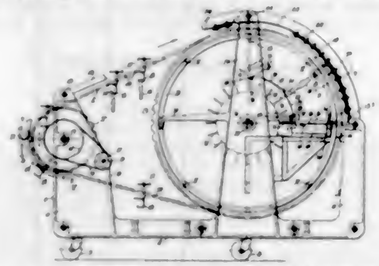
DOUGH STRIP TWISTING MACHINE

Walter Hoop, Berkeley, and Leo C. Veale, Albany, Calif.; said Veale assignor to said Hoop

Application July 21, 1939, Serial No. 285,714

15 Claims. (Cl. 107—8)

1. A dough strip twisting machine comprising, a support for longitudinal strips of dough, a conveyor mounted for movement to and from said support, means carried by said conveyor and positioned to engage and carry away one of said strips and engaging said strip intermediate the ends thereof to cause a depending of the free ends of the strip from the means, a member mounted



under the path of movement of said means and formed to receive and hold the depending free strip ends, and means providing a relative rotational displacement between said means and said member for twisting the legs of the strip around each other.

2,237,822

CONVERSION OF HYDROCARBONS

Edwin T. Layng, Jersey City, N. J., assignor to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware

No Drawing. Application November 9, 1939, Serial No. 303,541

6 Claims. (Cl. 196—10)

1. The method of converting olefinic hydrocarbons to hydrocarbons of higher boiling points by polymerization thereof which comprises contacting said olefinic hydrocarbons at elevated temperature with a catalytic contact agent comprising as an essential ingredient an acid metal pyrophosphate selected from the group consisting of $CuH_2P_2O_7$, $HgH_2P_2O_7$, $ZnH_2P_2O_7$, $MgH_2P_2O_7$, $Fe_2H_8(P_2O_7)_3$, $Al_2H_8(P_2O_7)_3$ and $CoH_2P_2O_7$.

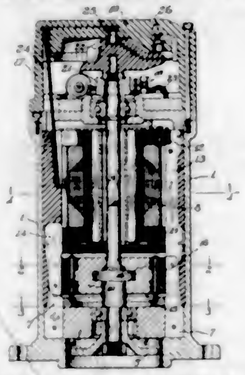
2,237,823

MAGNETO GENERATOR

Edward B. Nowosielski, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application March 6, 1937, Serial No. 129,397

3 Claims. (Cl. 171—209)



1. In a high tension magneto, a housing, a drive shaft journalled therein, a plurality of arcuate magnets arranged in a circle about the shaft with like poles adjacent, an induction coil having a hollow core traversed by said shaft, two groups of fixed inductors connected to the ends of said core and extending axially toward the magnets, pole shoes extending axially from the magnets between the ends of the fixed inductors, and a rotor having arcuate inductors arranged to connect the pole shoes of opposite polarity selectively to said groups of fixed inductors.

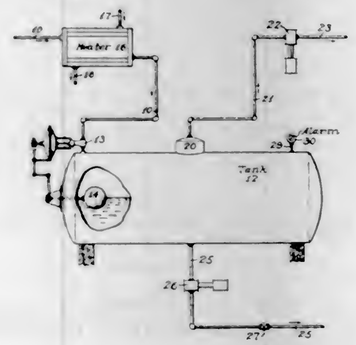
2,237,824

DETECTING WATER AND OTHER VOLATILES

Edward G. Ragatz, San Marino, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application June 26, 1937, Serial No. 150,657

5 Claims. (Cl. 196—5)



1. In a method for detecting the presence of excessive quantities of a relatively lower boiling liquid in a relatively higher boiling liquid, the steps of heating said liquid mixture to a temperature at which the lower boiling liquid evaporates, introducing said mixture into a zone wherein said lower boiling liquid is separated as a vapor, and continuously withdrawing said vapor from said zone at a predetermined rate whereby the presence of excessive quantities of said vapors will cause a rise in the pressure in said zone, the pressure rise due to increased vaporization being utilized to actuate warning means.

2,237,825

POLYMERS OF ACYLATED CYCLOPENTADIENES

Anderson W. Ralston, Robert J. Vander Wal, and Stewart T. Bauer, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application September 2, 1938, Serial No. 228,259

8 Claims. (Cl. 260—93)

1. The process of preparing an acylated cyclopentadiene polymer which comprises reacting a cyclopentadiene with a fatty acid chloride in substantial amounts in the presence of a Friedel-Crafts catalyst, the acid chloride having at least twelve carbon atoms, hydrolyzing the resulting reaction product and recovering a catalyst-free, acylated cyclopentadiene polymer.

2,237,826

FERTILIZER COMPOSITION

John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 23, 1938, Serial No. 226,245

11 Claims. (Cl. 71—28)

2. A fertilizer nitrifying agent comprising a liquid containing a material selected from the group consisting of sulfamic acid and salts of sulfamic acid, and a water soluble nitrogen salt having fertilizing value selected from the group consisting of alkali metal, alkaline earth metal, and ammonium salts.

11. The method of producing a fertilizer which comprises adding to acidic fertilizer materials a liquid containing from 10 to 30% by weight of a material selected from the group consisting of sulfamic acid and salts of sulfamic acid.

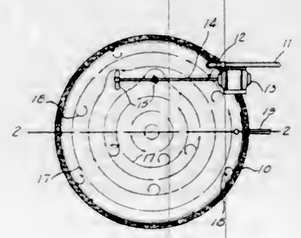
2,237,827

TREATMENT OF EGG WHITES

Norman C. Fischer, Springfield, Mo., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

Application October 18, 1939, Serial No. 299,931

5 Claims. (Cl. 99—210)



1. In the treatment of egg whites preparatory to drying wherein a scum containing insolubles is formed on the surface of the egg whites, the step of propelling said egg whites in a whirling motion to produce a whirling pool of egg white material for drawing said scum down into the egg white mass.

5. In the treatment of egg whites, the steps of acidifying a mass of egg whites in a vat of circular cross section, propelling said mass in a whirling movement within said vat to disperse insolubles throughout the mass and maintain the vat bottom free of separated matter, and drying said mass while said insolubles are in dispersed condition.

2,237,828

METHOD OF AND APPARATUS FOR FORMING FIBER CAN BODIES

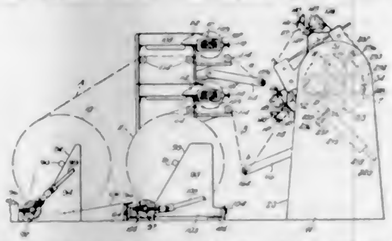
Alexander G. Hatch and Robert S. Condon, Rutland, Vt., assignors to Fibre Can Development Corporation, Rutland, Vt., a corporation of Vermont

Application September 30, 1937, Serial No. 166,598

47 Claims. (Cl. 93—81)

1. In a machine for producing fiber can bodies, an indexible turret, a mandrel rotatably journalled on the turret, driving means, means operative alternately to connect and disconnect the turret and mandrel to the driving means, whereby the turret is indexed when connected

and the mandrel rotated when connected, means to feed a flexible strip of material to the mandrel at one station to be convolutely wound on the



mandrel and form a container, and means for applying a label to the container at a subsequent station.

2,237,829

METHOD OF DYEING

Winfield Walter Heckert, Ardentown, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 5, 1938, Serial No. 188,931

1 Claim. (Cl. 8—24)

The process of dyeing a mixed textile structure composed of cellulose acetate and a material other than cellulose acetate with a dyestuff having an affinity for said other material but having substantially no affinity for said cellulose acetate material which comprises modifying said cellulose acetate material by the incorporation therein of a polymerized beta-diethylaminoethyl alpha-methacrylate whereby to impart thereto an affinity for said dyestuff, forming said mixed textile structure with said modified cellulose acetate material, and dyeing said structure with said dyestuff.

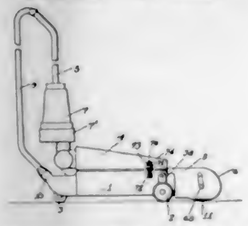
2,237,830

FLOOR CLEANER

Walter C. Jerome, Worcester, Mass.

Application May 21, 1936, Serial No. 81,066

6 Claims. (Cl. 15—9)



5. In a vacuum cleaner, a base, a collecting chamber having a collecting pan within said base, said collecting chamber and base defining a slot adapted to be closely spaced from the surface being cleaned and a passage from said slot to the collecting pan, a fan for providing suction in the collecting chamber, a filtering member between the collecting chamber and the fan, a hollow handle connected to the discharge side of the fan and a pneumatic connection from the handle to the base, said handle being releasable from the fan for use as a cleaning member, said base having a channel providing a passage for air from the point of attachment of said connection and the base to the slot through which the cleaning action takes place.

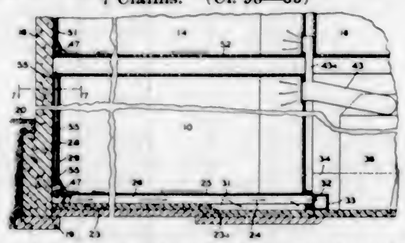
2,237,831

BUILDING STRUCTURE AND AIR CIRCULATION THEREFOR

Clarence Erroll Jones, Euclid, Ohio

Application October 24, 1938, Serial No. 236,663

7 Claims. (Cl. 98—33)



1. An air circulation system for a building comprising, two rooms, one above and one at least partly below ground level, said lower room having an outer masonry wall and an inner finishing wall and furring strips separating said walls, whereby said spaced walls and furring strips provide vertically extending ducts along said wall, said lower room having a subfloor and a finished floor and sleepers separating said floors, whereby said spaced floors and sleepers provide horizontally extending ducts along said floor, said vertical and horizontal ducts being arranged with a passageway between them, air outlet means from said upper room communicating with said vertical ducts, and means for withdrawing air from said horizontal ducts and returning said air to said upper room.

2,237,832

PROCESS FOR MANUFACTURING ARTIFICIAL FIBER FROM PROTEIN CONTAINED IN SOYBEAN

Toshiji Kajita and Ryohei Inoue, Tokyo, Japan, assignors to Showa Sangyo Kabushiki Kaisha, Daikoku-cho Tsurumi-ku, Yokohama, Japan, a joint-stock company of Japan

No Drawing. Original application September 8, 1937, Serial No. 162,954. Divided and this application June 7, 1939, Serial No. 277,954. In Japan May 25, 1937

2 Claims. (Cl. 18—54)

1. The process of manufacturing artificial fiber from protein contained in the soybean, consisting in extracting the protein with dilute alkaline solution from the residue of the soybean from which the oil content has been extracted, precipitating the protein by adding an acid to said solution, washing said precipitate with water, adding tartaric acid while the precipitate is wet, dissolving the said mixture in an alkaline solution permitting the resulting solution to mature, spinning the solution thus obtained into an acid bath.

2,237,833

AIRCRAFT GUN MOUNT MECHANISM

Ettore Lanciani, Milan, Italy, assignor to "Aeroplani Caproni" Società Anonima, Milan, Italy

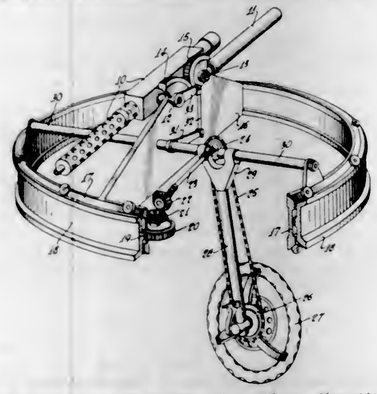
Application August 2, 1938, Serial No. 222,618

In Italy August 4, 1937

2 Claims. (Cl. 89—37.5)

1. For the training of a gun carried on the rotary gun turret of an aircraft, apparatus comprising means for neutralizing during flight the aerodynamic thrust of the relative wind upon the exposed part of the gun and the turning moment produced thereby; comprising a swingable wing member having a general shape and

size similar to that of the gun, and protruding from the turret to a similar degree but oppositely, and a mechanical connection between said wing and the gun operatively coupling them in conjugate relation whereby the force of the



wind thrust on the wing in either direction is transmitted and impressed as a turning moment or torque upon the gun in substantially balancing opposition to the existing turning moment impressed directly on the gun by the relative wind, in the varying positions of gun and wing.

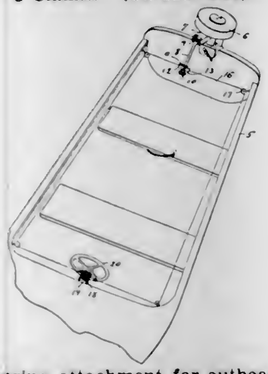
2,237,834

STEERING CONNECTION FOR OUTBOARD MOTORS

John N. Landgraf, Jr., Chilton, Wis.

Application August 17, 1939, Serial No. 290,688

3 Claims. (Cl. 114—144)



1. A steering attachment for outboard motors in which the motor is provided with a steering arm, a slide bar pivotally attached to the arm for vertical swinging movement, a collar slidably mounted on the arm, a pair of U-shaped members pivoted at opposite sides of the collar and extending outwardly therefrom in opposite directions and a steering cable attached to the outer ends of each of said members.

2,237,835

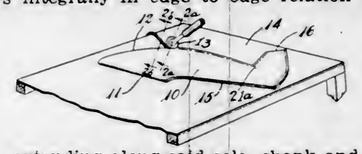
METHOD OF MAKING FOOTWEAR

Leslie H. L'Hollier, Waltham, and Frederick F. Olson, Belmont, Mass., assignors to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware

Application March 2, 1938, Serial No. 193,498

6 Claims. (Cl. 12—142)

1. The method of making rubber footwear which comprises disposing layers of unvulcanized sheet-rubber upper material in superimposed and unadhered relation, cutting the superimposed layers in such shape as to provide a bottom for the upper adapted to conform closely to a last upon mounting the upper thereon, including sole, shank and heel covering portions, and simultaneously by the act of such cutting uniting said layers integrally in edge to edge relation in a



seam extending along said sole, shank and heel portions between the side margins thereof and adapted upon mounting the upper upon the last to be substantially flush with the bottom of the upper, then mounting the upper upon the last with said seam extending smoothly along said sole, shank and heel portions, assembling parts thereon to complete the footwear, and vulcanizing the assembly.

2,237,836

COLLECTION RECEPTACLE

Joseph Macaluso, Baltimore, Md.

Application May 27, 1939, Serial No. 276,153

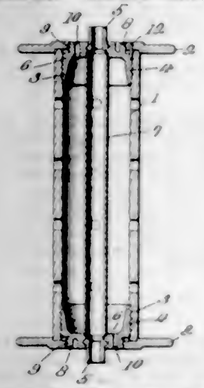
1 Claim. (Cl. 65—20)



A collection device comprising an oblong shaped receptacle having a fully open end and including a single end wall on which the receptacle may rest when in a non-dirt-collecting position and a bottom wall on which the receptacle may rest when in a dirt-collecting position, a closure plate hinged on the bottom wall at the open end of the receptacle and adapted to assume a position substantially in alignment with the bottom wall when said receptacle is placed in a dirt-collecting position to act as a ramp over which dirt may be swept into the open end of the receptacle, side flanges on said closure plate to aid in guiding the dirt into the receptacle, a check plate in the receptacle and secured on the bottom wall adjacent the open end of said receptacle and inclining towards the closed end of said receptacle, a bail type handle pivoted on opposite sides of said receptacle adjacent the open end of the receptacle for carrying said receptacle with the closed end disposed lowermost and having the ends thereof projecting beyond the pivotal connections thereof to said receptacle, and links pivoted to said flanges and to the ends of the handle to move the closure plate to close the open end of the receptacle when the latter is carried by the handle and to swing the closure plate into ramp acting position when the handle moves into a position of resting the receptacle on the bottom wall thereof,

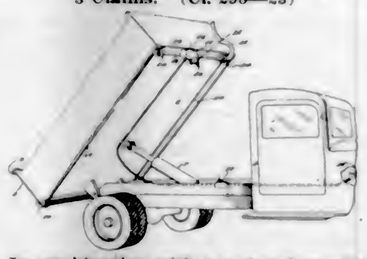
said handle and links being positioned entirely outwardly of the receptacle in all positions thereof to prevent interfering with dirt moving into the receptacle.

2,237,837
BOBBIN AND THE LIKE
George B. Markle, Jr., Hazleton, Pa.
Application September 13, 1939, Serial No. 294,742
4 Claims. (Cl. 242—118)



1. A bobbin or the like comprising a tubular barrel having a bushing threaded into each end of said barrel, a central tubular core disposed in said barrel and locked in position therein by said bushings, each bushing being provided with an outwardly extending bearing, and a head having a threaded engagement with said bushing at each end for locking said heads against the ends of said barrel independent of the locking of said core within said barrel by said bushings.

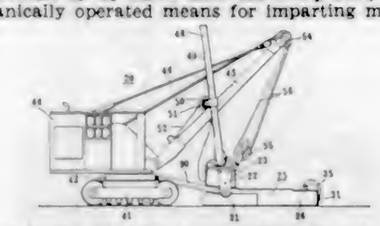
2,237,838
TRIP MECHANISM FOR TAIL GATES
James L. McClish, Winters, Calif.
Application August 30, 1940, Serial No. 354,880
3 Claims. (Cl. 298—23)



1. In combination with a motor dump truck, a dump body therefor having a tail gate and a latch mechanism including an operating shaft and a handle connected thereto, an arm secured to said shaft, and an electric means controlled from the driver's cab of the truck for imparting movement to the arm to release said latch mechanism for freeing the tail gate.

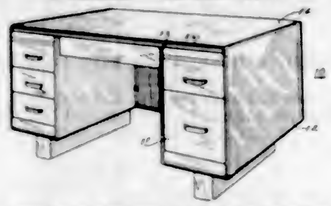
2,237,839
BALER FOR SHEET METAL OR THE LIKE
James N. Miller, Columbus, Ohio
Application December 10, 1937, Serial No. 179,155
7 Claims. (Cl. 78—13)

1. A baler for scrap sheet metal or like materials comprising in combination, a scrap receptacle having a movable wall and having an open side, a packing element for forcing scrap materials to be baled into the receptacle, mechanically operated means for imparting move-



ment to the packing element through the open side of the receptacle and for imparting movement to the packing element for ejecting the baled materials out of the receptacle when the wall is removed.

2,237,840
METAL FURNITURE
Melvin Nelson and William A. Dunlap, Corry, Pa., assignors to Corry-Jamestown Manufacturing Corporation, Corry, Pa., a corporation of New York
Application October 8, 1938, Serial No. 234,033
2 Claims. (Cl. 311—107)



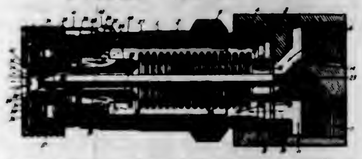
1. A strip for finishing an edge of the top of an article of furniture comprising a body portion having a recess extending longitudinally thereof, ornamental means in said recess, a curved surface on said body portion directly above said recess, one edge of said surface being adapted to abut the unfinished edge of said top, means supporting said strip, and further means connecting said ornamental means with said support means, said further means being adjustable to secure said strip in pressure contact with said top.

2,237,841
VALVE FOR DOOR CHECKS AND CLOSERS
Frank McGee Newell, Lowell, Mich.
Application May 18, 1940, Serial No. 336,022
4 Claims. (Cl. 251—141)



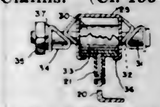
1. In a device of the character stated, a bleed valve, comprising a flat body having an aperture therethrough and having a channel formed therein and leading into the aperture, a deformable body disposed upon one side of the first body and overlying said channel, and means connected with the deformable body and extending through the aperture facilitating the compression of the deformable body into the channel for the control of the passage of air through the channel and aperture.

2,237,842
SPRAYING DEVICE
Harry M. Reynolds, Columbus, Ohio
Application December 16, 1938, Serial No. 246,101
3 Claims. (Cl. 299—140)



1. A spraying device of the type described comprising a substantially cylindrical housing, a stationary needle member centrally disposed within said housing, a nozzle member mounted on said needle member and being free to move longitudinally thereon, said nozzle member having a portion which fits tightly within said housing and serves as a piston, said nozzle member having a tapered discharge orifice through which oil to be atomized is adapted to be discharged, said needle member extending to the forward end of said housing and having a tapered portion normally projecting into the tapered discharge orifice of said nozzle member and contacting with the surface thereof so that said orifice will be normally closed, said nozzle member having a passageway associated therewith for conducting oil into said nozzle member, said nozzle member having a passageway therein for receiving air under pressure and directing it adjacent said discharge orifice to atomize oil discharged through said orifice, means for supplying air under pressure to the interior of said housing, the air under pressure acting on said piston portion of said nozzle to move the nozzle forwardly on said needle and permitting the oil to issue through said discharge orifice, a portion of the air also passing through said passageway in said nozzle, a cap member threaded on the forward end of said housing and having an opening through which the fluid passes, said cap member having a portion contacted by said nozzle member when it moves to its forwardmost position, a compression spring disposed between said cap member and said nozzle member for resisting movement of said nozzle member on said needle member, and means for maintaining said cap in any position to which it is rotated to limit the movement of said nozzle member to a preselected degree and consequently to produce a predetermined spacing of the cooperating tapered surfaces of the nozzle member and the needle member.

2,237,843
ADJUSTABLE SUPPORTING DEVICE
Albert J. Rhodes, Lake Orion, Mich., assignor to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application August 15, 1938, Serial No. 224,929
5 Claims. (Cl. 155—14)

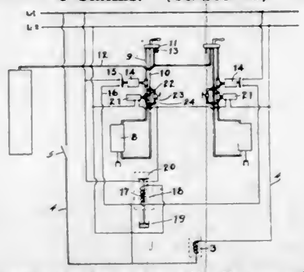


5. In combination with an adjustable support comprising a track portion, a carriage portion movable longitudinally thereover, roller means carried by one of said portions and rollably engageable with the other thereof, journal means supporting the roller means in the portion by which it is carried, means for moving said journal means in a direction transverse to the line of movement of the carriage portion to vary the engagement pressure between said portions and the roller means, said carriage portion including a pair of spaced longitudinally extending side webs, said track and carriage portions having overhanging portions preventing unwanted separation thereof, said journal means including a shaft extending through said webs and movable toward and from said carriage portions, said roller means being disposed upon said shaft between said webs, said means for moving the journal means including arms carried by and resiliently movable toward and from said side webs, the ends of said arms carrying said shaft and being movable toward and from the track portion during such swinging movement, and means also carried by the shaft for so moving said arms.

2,237,844
METHOD OF WASHING THREADLIKE STRUCTURES
Frank B. Ridgway, Newark, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 25, 1937, Serial No. 165,779
2 Claims. (Cl. 18—54)

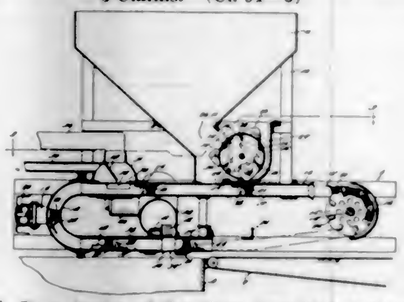
1. The process comprising forcing acid-free water through acid cakes of regenerated cellulose thread, discarding the water issuing from said acid cakes until said water issuing from said acid cakes is substantially neutral at which point said cakes are still substantially acid, and thereafter reusing the water issuing from said acid cakes for further removal of acid from said acid cakes.

2,237,845
WEIGHT RECORDING MECHANISM FOR DUMP CARS
Eugene W. Schellentrager, Shaker Heights, Ohio, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio, a corporation of Ohio
Application March 20, 1937, Serial No. 132,174
5 Claims. (Cl. 265—5)



1. Apparatus for automatically recording varying weights, comprising a travelling car adapted to receive loads varying in weight dependent upon the will of an operator, means for dumping the car load, power supply means for said dumping means, means adapted when actuated by an operator to connect said power supply means to said dumping means to cause a single operation thereof, means for recording the weight of the car load, and means dependent upon actuation of said connecting means for causing actuation of said recording means.

2,237,846
NUT CLUSTER FORMING AND COATING DEVICE
Vincent L. Schenk, St. Joseph, Mo.
Application February 6, 1940, Serial No. 317,588
6 Claims. (Cl. 91—3)



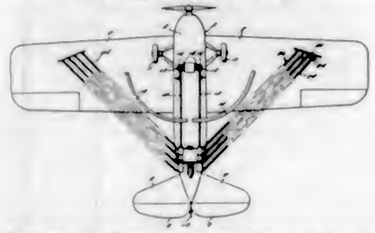
1. In a device of the class described, a frame, a plurality of endless conveyors including a series of spaced baskets connected pivotally to one another by plate-like elements, mountings adjustable on said frame for said conveyors and each including tubular upper and lower portions and end connecting portions acting as supports for the conveyors at one end thereof, a power driven shaft at one end of said conveyor mountings, pulleys secured on said shaft and having the conveyors trained thereover outwardly of the mountings and acting to bring about emptying of the baskets on leaving the lower tubular portions of the mountings, means for feeding nuts into said baskets during the movement of the latter through the upper tubular portions of the mountings, and means for coating the nuts within the baskets with liquid chocolate during their movement through the upper tubular portions of the mountings, and air pressure means for removing surplus chocolate from the nuts while within the baskets and traveling through the lower tubular portions of the mountings.

2,237,847
COSMETIC APPLICATOR
Ethelyn Janet Smith, Elyria, Ohio
Application June 30, 1939, Serial No. 282,248
22 Claims. (Cl. 132—78.5)



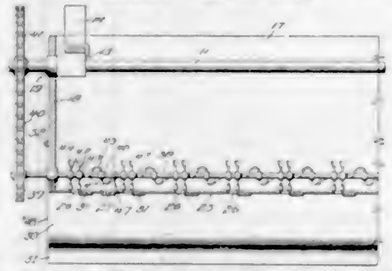
1. A cosmetics applicator, comprising in combination, a porous resilient applicator material thru which a fine powder may pass in substantially uniform quantities thruout the surface area thereof providing one substantially flat side of said applicator, another resilient applicator material thru which a fine powder may pass in substantially uniform quantities thruout the surface area thereof providing an opposite substantially flat side of said applicator disposed in a plane that is substantially parallel to and spaced from the plane of said first mentioned porous material side of said applicator an ample distance to provide a powder housing compartment therebetween and said porous applicator sides being discontinuously joined together along the peripheral edges thereof, and an applicator mouth disposed along the discontinuous part of the edges of said two applicator sides and having rubber lip portions thru which powder may be introduced into said powder compartment and engaging each other substantially to retain said powder within said powder compartment.

2,237,848
BOMB CATAPULT
John Henry Smith, Jr., Columbus, Ohio
Application March 15, 1939, Serial No. 262,045
2 Claims. (Cl. 89—1.5)



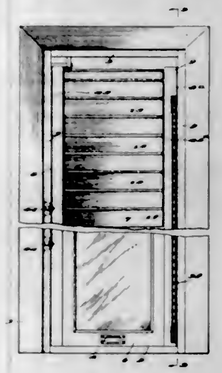
1. In combination with an aircraft having a fuselage and wings, a hollow depending structure at the tail portion of the fuselage, a swingable arm, said arm being swingably connected to the underside of the fuselage adjacent the forward portion thereof, guide means between one of the wings and the intermediate portion of the fuselage for guiding the arm on a plane substantially parallel to the plane of the said wing, tension spring means interconnected between the free end portion of the arm and the wing, trigger means between the fuselage and the arm for holding the free end portion of the arm against the said hollow depending structure, said arm being provided at its free end with a bomb receiving stirrup registrable with the hollow structure, detent means in the stirrup for holding a bomb therein and partly protruding into the hollow depending structure.

2,237,849
FERTILIZER DISTRIBUTOR AND THE LIKE
Oscar Lee Smith, Atmore, Ala.
Application October 4, 1938, Serial No. 233,305
3 Claims. (Cl. 221—120)



3. In a distributor for fertilizer and the like, of the wheeled frame type and including an elongated transverse hopper depending beneath the frame and provided with a longitudinal series of material distributing openings in the bottom thereof and an agitator including a power-driven shaft extending longitudinally of the hopper above the series of material distributing openings, the agitator further comprising cooperative diametrically opposed radial fingers mounted on the shaft thereof to rotate therewith, said fingers being respectively located in cooperative working relation directly above the material distributing openings and each finger having a stem portion of small diameter radiating from the shaft and the outer end portion thereof being flattened and blade-like, and deflector elements fixed on said shaft to rotate therewith between the respective fingers, said deflector elements each including a hub portion located on the shaft midway between the fingers and oppositely disposed arms extending spirally endwise from said hub portion in reversed arrangement and being substantially spoon-shaped at their free outer ends which terminate contiguous to said fingers and said end portions so shaped being set with reverse angularity whereby said deflector elements separate the material between the fingers and deflect the material in opposite directions to the material distributing openings.

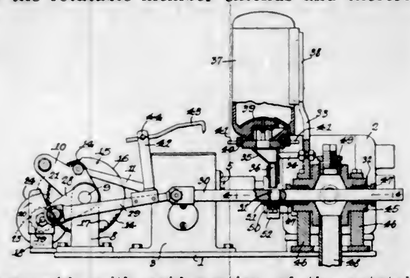
2,237,850
VENETIAN BLIND
John A. Stobie, Malta Bend, Mo., assignor of one-half to Elva B. Young, Kansas City, Mo.
Application July 23, 1940, Serial No. 347,007
15 Claims. (Cl. 156—17)



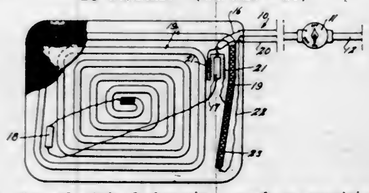
1. In a device of the character described, the combination of a framework, a plurality of slats positioned one above another and normally vertically disposed in overlapping relation, means adjacent the transverse limits of said slats for moving the latter vertically, shafts extending longitudinally of said slats and pivotally connected to said means, and vertically disposed means pivotally connected to said framework adjacent an extremity of said slats adapted to be selectively pivoted to a position in the path of adjacent shafts to be engaged thereby to cause said slats to pivot to a horizontal position.

2,237,851
MEANS FOR TREATING FLUID
Clair V. Swearingen, Chattanooga, Tenn.
Application August 30, 1939, Serial No. 292,738
3 Claims. (Cl. 210—29)

1. In a machine for treating fluid, a dispensing mechanism including a rotatable member, a shaft supported for rotation, means for rotating the shaft, a crank on the shaft, a slide, means for supporting the slide for reciprocation, a pitman pivoted to the crank and to the slide, and an actuator carried by the pitman and including a part movable in an orbit into which a portion of the rotatable member extends and therefore engageable with said portion of the rotatable member, to operate the dispensing mechanism.

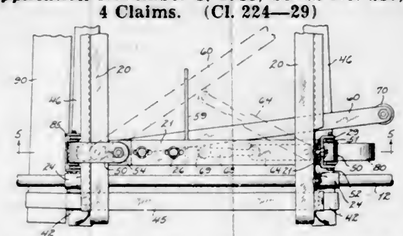


2,237,852
THREE-HEAT PAD
Edward C. Taylor, Longmeadow, Mass., assignor to William Bradford, Taunton, Mass.
Application November 20, 1940, Serial No. 366,357
10 Claims. (Cl. 219—46)



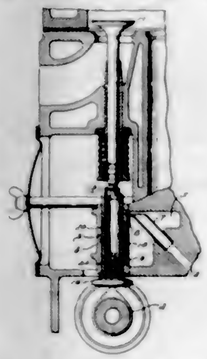
1. An electrical heating pad comprising an electrical heating element, a power line connected to one terminal of said element, a thermostat connected in series with the heating element, a thermostat heating resistance and a ballast resistance each connected to the opposite terminal of the heating element, a second power line, and a switch for connecting the second power line selectively to the thermostat heating resistance, to the ballast resistance, or to both together.

2,237,853
LADDER CLAMP
Herman J. Troche, Cleveland, Ohio, assignor to American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio
Application November 3, 1938, Serial No. 238,564
4 Claims. (Cl. 224—29)



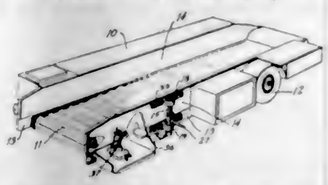
1. The combination of a ladder support, a pair of clamping levers intermediately pivoted to the support and having upper portions adapted to act downwardly on a ladder resting on the support, an operating lever connected to the lower portion of one of said clamping levers, and a toggle link connecting the lower portion of the other clamping lever to said operating lever.

2,237,854
COMPENSATING HYDRAULIC VALVE TAPPET FOR INTERNAL COMBUSTION ENGINES
Carl Voorhies, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 4, 1934, Serial No. 728,813
19 Claims. (Cl. 123—90)



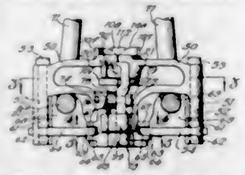
1. The combination with a hydraulic compensating valve tappet including a tappet guide, a tappet body reciprocably received in said guide and having a longitudinal cylindrical bore closed at one end and open at the other, a hollow plunger in said bore, spring means for axially elongating said tappet body and plunger assembly, said hollow plunger providing a liquid reservoir, a liquid chamber between the closed end of said tappet body and the inner end of said plunger, an inwardly opening check valve for closing the inner end of said plunger, registrable ports in said tappet body and plunger, a source of liquid, a liquid reserve and gas separation chamber of substantial vertical depth arranged outside said valve tappet, means for conducting liquid from the bottom of said last named chamber to said ports for supplying liquid to the reservoir in said plunger, and a restricted opening in the upper portion of said reserve chamber for venting gas therefrom.

2,237,855
SPINDLE MOUNTING FOR TRUCKS
George C. Watson, Denver, Colo.
Application April 5, 1940, Serial No. 327,987
2 Claims. (Cl. 280—96.2)



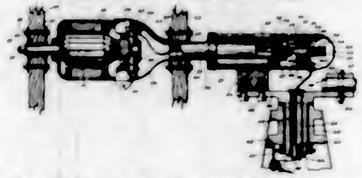
1. A resilient king pin for vehicles comprising: a vertical tube; a piston vertically movable in said tube; a wheel spindle projecting outwardly from said piston through a vertically elongated slot in said tube; a compression spring for resisting downward movement of said tube on said piston; bracket members for supporting said tube from a vehicle; annular bearings in said bracket members, said tube extending through said bearings; means for preventing vertical movement of said bearings on said tube; and means for rotating said tube about its vertical axis.

2,237,856
ELEVATOR
William W. Wilson, Los Angeles, Calif.
Application July 11, 1938, Serial No. 218,609
22 Claims. (Cl. 294—90)



1. In an elevator of the character described, the combination of: a pair of cooperating members hinged together at their rearward edges so as to be swung into closed relation around a pipe; means exerting a yieldable force on said members tending to swing them into open relation; latch means for locking said members in closed relation around said pipe; trunnions on said members, and suspension means engaging said trunnions, the hinging axis of said members being so inclined relative to the axis of a pipe vertically suspended by said members that the weight of the pipe exerts a closing force on the suspended members greater than said yieldable force.

2,237,857
WIND OPERATED GENERATOR
William R. Winderl, Richland, Mont.
Application February 6, 1941, Serial No. 377,726
2 Claims. (Cl. 290—44)

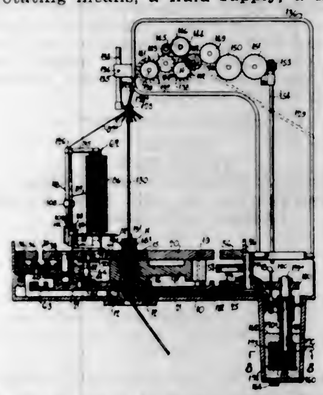


1. A wind operated generator comprising a pair of propellers having respectively opposite pitch, an electric generator disposed between and spacing the propellers from each other, a housing carrying the field coils of the generator and elongated at one end to form a hollow shaft projecting through and rigidly secured to one of the propellers, an armature for the generator having a shaft projecting through the motor housing and rigidly secured to the other propeller, a turntable, a tower supporting the turntable, a horizontally disposed bearing housing fixed to the turntable and receiving said hollow shaft, antifriction bearings rotatably securing the hollow shaft in the bearing housing, a conductor wire connected to the generator and extending through said hollow housing, a conductor wire extending from the turntable into the bearing housing, and means in the bearing housing electrically connecting both conductor wires.

2,237,858
BRAIDING MACHINE
William C. Wright, Granite Falls, N. C., assignor to Samson Cordage Works, Boston, Mass., a corporation of Massachusetts
Application September 9, 1940, Serial No. 356,014
6 Claims. (Cl. 96—2)

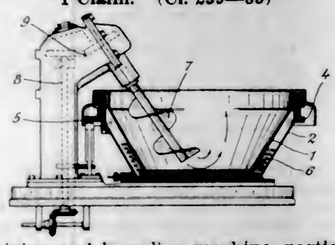
1. In a machine for braiding a cord and the like, having a plurality of strand carriers and having means for rotating all of said carriers

bodily about a common axis, and also having means for rotating each of said carriers individually about its own axis, a housing encasing said rotating means, a fluid supply, a filter for



the fluid, and means for continuously forcing said fluid into said housing over said rotating means, through said filter and back to the fluid supply to thereby keep the parts free from accumulated lint, grit, waste and the like.

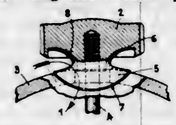
2,237,859
MIXING AND KNEADING MACHINE, PARTICULARLY FOR PLASTIC EXPLOSIVES OR THE LIKE
Henrich Bille, Saetre i Hurum, Norway, assignor to Norsk Spraengstofindustrie A/S., Oslo, Norway
Application January 27, 1939, Serial No. 253,215
In Norway February 4, 1938
1 Claim. (Cl. 259—85)



A mixing and kneading machine, particularly for plastic explosives, comprising a mixing trough having the form of a truncated cone with its broadest end turned upwards and rotating about a vertical axis, and a single worm serving as a rotating helical mixer and conveyer and extending in a sloping position into said rotating mixing trough, the axis of said conveyer being located in a vertical plane which is displaced with relation to the axis of rotation of said trough, and the lower end of said conveyer being entirely submergible in the plastic material being mixed and kneaded.

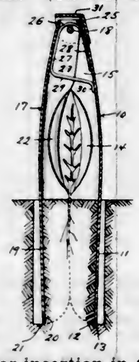
2,237,860
FLUIDTIGHT CLOSURE FOR WATCHCASES
Léon Bolle, Geneva, Switzerland
Application December 5, 1938, Serial No. 244,100
In Switzerland December 9, 1937
6 Claims. (Cl. 58—90)

1. A device for rendering a watchcase fluid-tight at the point where the longitudinally shiftable winding and setting stem enters the case, comprising an annular thin walled deformable fluid-tight member of sheet material surrounding said stem and having the medial portion thereof



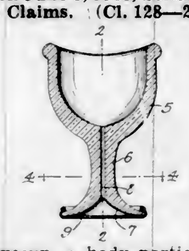
standing free of the stem, said member forming an impermeable and pliant partition between the stem and the case, and the opposite edges of said member yieldingly engaging with the stem and the case to provide an axially compressible fluid-tight joint between the stem and the case.

2,237,861
PLANT LIFTER
Edward Briggs, Norwich, Conn.
Application February 27, 1940, Serial No. 321,113
1 Claim. (Cl. 294—50.7)



A plant lifter for insertion in the ground comprising a pair of opposed clamping levers having top ends pivoted together for relative swinging of the levers into and from clamping relation, and lower jaw ends for clamping earth therebetween, a spring interposed between said levers and urging the same from clamping relation, said spring including a lateral extension bearing against one lever and slidably engaging the same to form a yielding stop for temporarily limiting relative swinging of said levers toward clamping relation and permitting further movement thereof toward such relation, and a cap on the top ends of said levers.

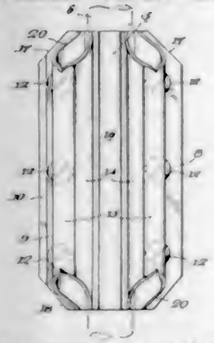
2,237,862
SANITARY SUCTION EYECUP
Paul B. Burhans, Fort Myers, Fla.
Application June 8, 1938, Serial No. 212,576
2 Claims. (Cl. 128—249)



1. In an eyecup, a body portion comprising a

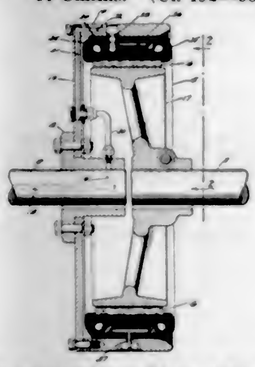
bowl adapted to be fitted against an eye, an open-ended hollow rigid base of a capacity appreciably less than the capacity of the bowl, a hollow stem connecting the bowl and base and establishing communication therebetween, said hollow base adapted to contain a quantity of liquid, a diaphragm stretched over the open end of the hollow base closing the hollow base, said diaphragm adapted to be manipulated by pressure directed thereto by the thumb of the user, whereby only the liquid held within the hollow base will be displaced and moved over the eye under treatment, thereby avoiding excessive pressure and vacuum in the operation of the device.

2,237,863
COMBINED GUIDE AND SCRAPER
John C. Donaldson, Longview, Tex.
Application February 23, 1940, Serial No. 320,489
10 Claims. (Cl. 166—18)



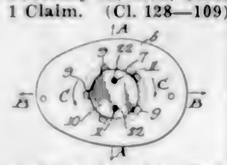
1. A well string tool comprising a tubular structure designed to encircle a well string and comprising corrugations having hollow ridge portions and valley portions, the ridge portions being arcs of a common circle, and each ridge having a width extending along said circle for several degrees.

2,237,864
CLUTCH OR THE LIKE
Thomas L. Fawick, Akron, Ohio
Application December 13, 1939, Serial No. 309,005
10 Claims. (Cl. 192—88)



1. The combination of two relatively rotatable structures adapted for torque-sustaining engagement with each other, said combination comprising an inner member having an outer, annular, frictional-engagement face, an outer member surrounding the same, and a flexible, fluid-retaining, torque-transmitting member mounted on the outer member and having an inwardly bayed inner peripheral portion adapted to be further distended inwardly for frictional engagement with the inner member, said flexible member comprising oppositely bulged torque-transmitting side-walls which are unconfined and freely-flexing in service.

2,237,865
TRUSS PAD
Lewis A. Fritsch, Cincinnati, Ohio
Application February 26, 1940, Serial No. 320,928
1 Claim. (Cl. 128—109)



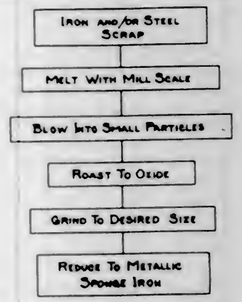
In a device of the class described, a truss pad, a back plate assembled with the pad and having an opening, a shiftable anchor piece disposed internally of the back plate and larger than the opening, a retainer disposed externally of the pad and the back plate and having means for engaging the body-encircling member of a truss, and tightening devices connecting the retainer with the anchor piece and passing through the opening of the back plate, the tightening devices being spaced apart by a distance less than the diameter of the opening, to permit the pad to be adjusted circumferentially in opposite directions, up and down, and laterally in opposite directions, the back plate being provided with seats communicating with the opening, the seats being spaced apart by distances equal to the distance between the tightening devices, either tightening device being receivable in one seat to constitute a pivot on which the pad may be swung for adjustment, the other tightening device being receivable in another of the seats, and the pad being bodily adjustable, circumferentially, to engage the tightening devices in any two of the seats.

2,237,866
PREPARATION OF DIOLEFINS
Henri Martin Guinot, Niort, Deux-Sevres, France, assignor to Les Usines De Melle, Melle, Deux-Sevres, France, a joint-stock company of France
No Drawing. Application February 20, 1939, Serial No. 257,538. In France March 21, 1938
12 Claims. (Cl. 260—681)

1. A process for the preparation of diolefins by the catalytic dehydration of a compound selected from the group comprising the corresponding glycols and olefinic alcohols, which comprises essentially using as a catalyst a phosphorus-containing substance in a vapor state and adding said catalyst in small proportion to the starting material.

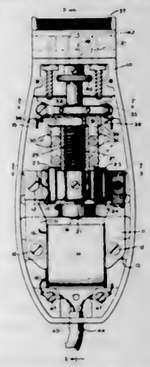
2,237,867
METHOD OF MAKING SPONGE IRON POWDER
Cecil A. Mann, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1940, Serial No. 363,339
10 Claims. (Cl. 75—28)

1. The method of making sponge iron powder comprising the steps of, decarburizing steel scrap to a carbon content of less than .05% by operating on the scrap in a molten state, disintegrating the scrap into small particles, oxidizing the small



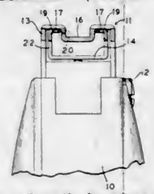
iron particles to substantially pure iron oxide, comminuting the oxide so formed to the desired size, and then reducing the comminuted oxide to metallic sponge iron powder.

2,237,868
ELECTRIC MOTOR
Edwin O. Roggenstein, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application July 13, 1938, Serial No. 218,998
3 Claims. (Cl. 172—279)



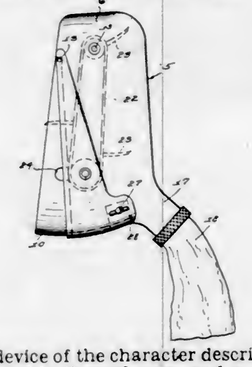
1. A synchronous induction motor forming a driving element for the shearing head of a dry shaver device comprising, in combination, an electromagnetic flux producing field member having opposed poles, a bi-poled rotor situated between said field poles mounted on a shaft, a short circuited winding located about each rotor pole, a non-circular sleeve resiliently positioned to move longitudinally, within predetermined limits, on said shaft while rotating with the same, a pair of contacts adapted to be intermittently made and broken by the camming action of said non-circular sleeve when the motor is started, said contacts being arranged in a parallel circuit with a resistance element, both of which are connected in series with the winding of the electromagnetic flux producing field member, and centrifugal means for closing said contacts to obtain a continuous flow of electrical energy through the winding of the field member at synchronous speed of the motor, said means comprising one or more joined links yieldably connecting the rotor and said sleeve and being adapted to remove said sleeve from camming engagement with the contacts as the motor approaches synchronous speed.

2,237,869
ELECTRIC RAZOR
James H. Rand, Jr., Stamford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application March 14, 1939, Serial No. 261,722
5 Claims. (Cl. 30—43)



1. A shearing head having a slotted outer shear plate of varying thickness equally intersected on its upper surface by a longitudinal channel, and a U-shaped inner cutter reciprocally mounted within said outer shear plate, said inner cutter having a plurality of perforations and teeth on respective bent over portions of each arm thereof and combing edges formed by the teeth of one of said portions.

2,237,870
PLASTER CUTTER
William J. Smith, Highland Park, N. J.
Application April 29, 1940, Serial No. 332,333
3 Claims. (Cl. 72—128)

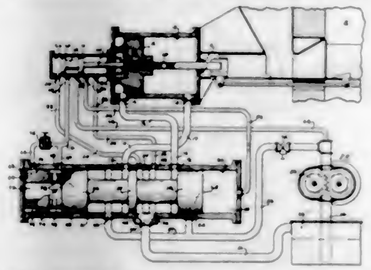


1. In a device of the character described, a hood having one side thereof open and a slot in one end, an endless cutter mounted in said hood and including a plurality of blades movable into and out of the hood and adapted to leave the latter by way of the slot and return into the hood by way of the open side thereof, means for connecting the endless cutter to a power source, a guard pivotally and yieldably mounted on the hood through which the blades of the cutters may move and adapted to act in directing cut material into the hood.

2,237,871
STOKER DRIVE
Earll R. Stone, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 9, 1938, Serial No. 244,776
3 Claims. (Cl. 60—52)

1. In hydraulic mechanism for converting

rotary motion of a substantially constant speed motor into intermittent reciprocatory motion of an operated element, a gear pump driven by the motor, means including the gear pump casing and a discharge conduit to provide pump suction and discharge spaces, an operating cylinder having ports at the ends thereof, an operating piston in the cylinder, and means for controlling communication of said ports with said spaces and of the discharge space with the suction space so as to secure strokes of the operating piston in opposite directions with controllable pauses thereof at stroke ends so as to vary the number of strokes per unit of time: said first-named means including a restriction in said discharge conduit to maintain a desired minimum pressure in the space between the restriction and the pump; a valve housing having a pair of operating ports in communication with said cylinder ports, a pair of pressure ports in communication with said discharge conduit at the side of the restriction remote from the gear pump, and an exhaust port space in communication with said suction space; movable valve means in the housing; pressure-responsive means for effecting successive cycles of movement of the valve means in opposite directions; said valve means having portions cooperating with the housing and with the ports and the exhaust port space thereof such that each movement cycle begins with a first pressure port communicating with a first operating port



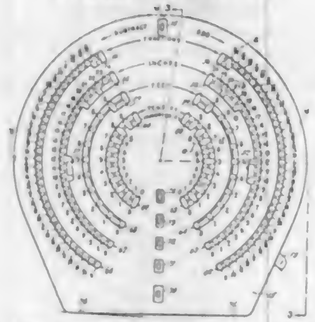
and the second operating port communicating with the exhaust port space, followed by an intermediate portion of movement thereof, wherein said pressure ports and the exhaust port space are placed in communication, and ending with the second pressure port in communication with the second operating port and the first operating port in communication with the exhaust port space; a pilot valve casing having a pair of operating ports connected by operating passages to the pressure-responsive means, a pressure port connected by a passage to said discharge space between said restriction and the gear pump, and an exhaust space connected by passageway means to said suction space; a pilot valve in the casing and having a first position in which the pressure port of the latter communicates with one operating port thereof and the other operating port communicates with the exhaust space and a second position in which the pressure port communicates with said other operating port and the first operating port communicates with the exhaust space; means for restricting flow of liquid to or from the pressure-responsive means through one of said operating passages during intermediate portions of movement cycles of said movable valve means; and means for transmitting the final portion of motion of each stroke of the operating piston, in one direction, to move the pilot valve from its first to its second position and, in the other direction, to move the pilot valve from its second to its first position.

2,237,872
HEAT TREATMENT
Frank S. Badger, Jr., Kokomo, Ind., assignor to Haynes Stellite Company, a corporation of Indiana
No Drawing. Application January 16, 1940, Serial No. 314,054
6 Claims. (Cl. 148—13)

1. Method of treating nickel-base alloys containing 10% to 40% molybdenum which comprises heating such alloys, after they have been fully annealed, at a temperature between 900° C. and 1175° C. for about 2 to 72 hours.

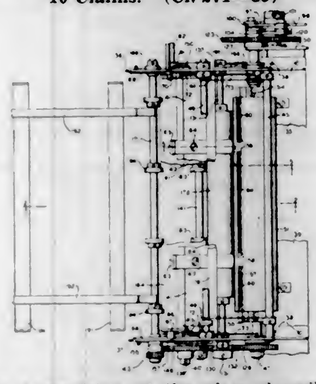
5. A corrosion-resistant welded article fabricated from a nickel-base alloy containing 10% to 40% molybdenum, said article being in the condition produced by heating within the range of stabilizing temperatures between 900° C. and 1175° C., and the corrosion resistance of such article being substantially uniform over the welded surface and the surface adjacent the weld zone.

2,237,873
CALCULATING DEVICE
Frank J. Barok, New York, N. Y.
Application August 27, 1938, Serial No. 227,083
2 Claims. (Cl. 235—83)



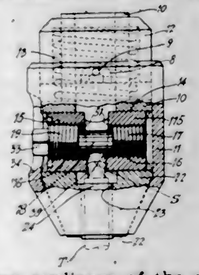
1. A device for carrying out mathematical computations involving the addition and subtraction of a plurality of values of equal and unequal units, which comprises a housing, a disc mounted in said housing, a plurality of slide ring guides concentrically disposed on said disc, a plurality of arcuate segmental slots in said disc, a hub at the center of said housing and disc, a plurality of rings concentrically arranged in the same plane for rotative movement upon said disc, each of said rings being provided with at least one series of stylus receiving recesses, a plurality of lugs extending from the lower surfaces of said concentrically arranged rings in engagement with said slide ring guides, each of the concentrically arranged rings being provided at one point along its peripheral edge with a stop lug adapted to ride in the corresponding segmental slot in said disc, said housing being provided with abutments to limit the extent of rotation of said rings, indicia on each of said rings, and a cover plate having a pair of concentrically disposed segmental slots for each ring extending throughout an arc which is a sub-multiple of 360°, indicia on said cover plate adjacent to each of said slots, a series of radially spaced sight openings in said cover plate disposed substantially on a straight line, said indicia on said cover plate adjacent to each of said slots being used to indicate the points at which a stylus is to be inserted when the device is to be operated, said indicia on each of said rings affording direct readings through each of said corresponding sight openings, said series of radially spaced sight openings, when viewed together, affording direct readings of integrated total values, whether the mathematical computation involves only addition, only subtraction, or both.

2,237,874
PAPER FEEDING DEVICE
Karl John Braun, North Merrick, Long Island, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application October 24, 1939, Serial No. 300,917
10 Claims. (Cl. 271—39)



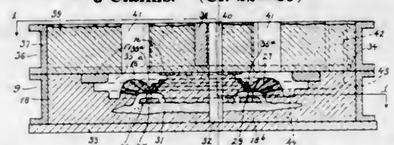
1. In a machine of the class described, the combination of means for feeding single forms from a stack, said means including a stripper roll having a plurality of removable rubber strips mounted thereon, said strips having a corrugated exterior adapted to contact a portion of one of said forms, a shaft, upon which said stripper roll is mounted, a driving element adjustably secured to said shaft, and a coupling device for connecting said stripper roll with said driving element whereby the rubber strips are properly positioned relative to said form.

2,237,875
CHUCK JAW
Frederick Russell Brown, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application February 8, 1938, Serial No. 189,315
3 Claims. (Cl. 279—66)



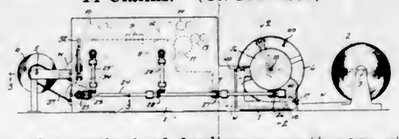
1. A holding appliance of the class described, having a body provided with jaws adapted to be engaged circumferentially with the shank of a device such as a tap drill, which terminates in a tang formed with flat faces substantially parallel with the major axis of the device, and a plurality of gripping members adapted to be approached toward each other and into contact with said tang near the end thereof, said gripping members being formed with gripping faces converging toward said lengthwise axis of the tool away from said end, and adapted to be engaged with said tang first at a region remote from said end when approached to the tang.

2,237,876
METHOD OF VENTING SAND MOLDS AND MOLDS PRODUCED THEREBY
Frank L. Daub, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application November 7, 1939, Serial No. 303,242
3 Claims. (Cl. 22—39)



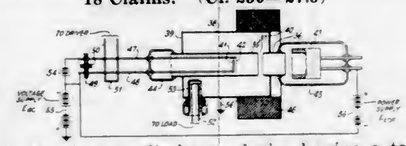
1. A method of preparing a sand casting mold comprising, a mold cavity in a layer of packed sand, forming an open-face channel in the sand above the mold cavity, forming a plurality of relative minute passageways in the sand, extending from the channel substantially to the mold cavity, covering the open face of the channel with a perforated rigid protecting member, applying a layer of relatively coarse material to the sand and protecting member, inverting the unit, applying a cope thereto, and extending an exhaust passageway from the layer of coarse material to the exterior of the mold.

2,237,877
METHOD AND APPARATUS FOR FEEDING PAPER
James B. Fulk, Norwalk, Ohio
Application May 5, 1939, Serial No. 271,984
14 Claims. (Cl. 101—232)



1. The method of feeding a continuous strip into a rotary rewind press, comprising clamping a length of the strip to a rotatable drum in advance of the passage of the strip through the press, driving the drum at the same speed as the speed of travel of the paper through the printing roll and releasing the paper for movement into the press.

2,237,878
ELECTRON DISCHARGE DEVICE
Andrew V. Haeff, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 2, 1939, Serial No. 254,239
18 Claims. (Cl. 250—27.5)



1. An electron discharge device having a tank circuit including a pair of concentric tubular

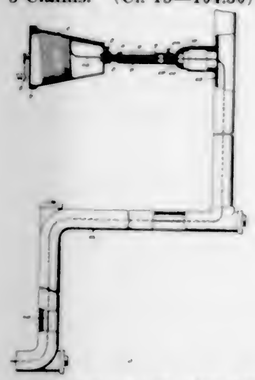
members and another tubular member coaxial with and spaced axially from the inner of the two concentric tubular members to provide a gap between the coaxial tubular members, a cathode for supplying electrons axially of said coaxial tubular members past said gap, a grid for modulating said stream of electrons prior to its passage past said gap and means for collecting the electrons passing through said tubular members.

2,237,879
DISPLAY STAND
William Hinkel, Milwaukee, Wis., assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 20, 1940, Serial No. 330,641
5 Claims. (Cl. 40—126)



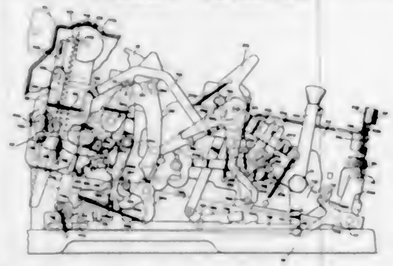
1. A device for supporting a bottle to be displayed and for giving an empty bottle the appearance of containing liquid, said device comprising: a base adapted to receive the bottom of a bottle; a backing and supporting member extending up from the base, said backing and supporting member being shaped to fit the contour of the bottle and having a width less than the outline of the bottle so that viewed from the front the backing and supporting member is seen only through the bottle which creates the impression of the bottle being full; and means on the base coacting with said backing and supporting member for holding a bottle in position.

2,237,880
SANITARY DRAIN PIPE CLEANER
Earl Von Bon Horst and Le Roy M. Strang, San Clemente, Calif.
Application March 11, 1940, Serial No. 323,483
3 Claims. (Cl. 15—104.30)



2. In an apparatus of the class described, the combination of a container provided with a sleeve, a primary tube, said sleeve and said tube being disposed in overlapping relation, a fastening member extending through a portion of said sleeve, and said primary tube and into said primary tube, an auxiliary tube, said auxiliary tube and said primary tube being telescopically engaging, a swivel unit provided with a sleeve, said last-mentioned sleeve in overlapping engagement with said auxiliary tube, a fastening member extending through a portion of said auxiliary tube and said last-mentioned sleeve and into said sleeve, and both of said fastening means being adapted to selectively clamp a flexible pipe cleaning element disposed in said tubes.

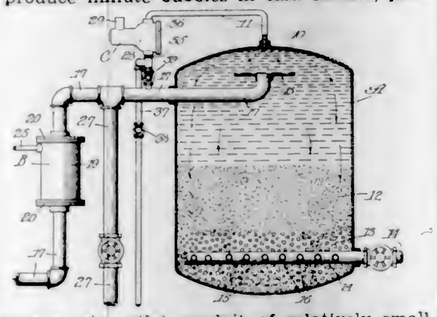
2,237,881
COMPUTING MACHINE
Walter W. Landsiedel, Elmira, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application January 22, 1938, Serial No. 186,459
4 Claims. (Cl. 235—60)



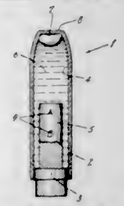
1. In a printing calculating machine, the combination of a power source, main operating mechanism normally disconnected from said power source, printing mechanism including a special type carrier, printing hammers and a control element for said hammers, means for preventing operation of said control element, means operable by said main operating mechanism for advancing said type carrier one step upon each operation of said main operating mechanism, a detent mechanism for said type carrier, means normally acting to hold said detent mechanism ineffective, means operable by said main operating mechanism for disabling the means normally holding the detent mechanism ineffective, means operable by the control element for said printing hammers for disabling said detent mechanism and restoring said detent mechanism to the control of the means normally acting to hold the same ineffective, a control lever movable to a plurality of operating positions, means operable by said control lever in each of its operating positions for connecting said power source and said main operating mechanism, said control lever in one of its operating positions enabling the means for preventing operating of said control element to thereby prevent printing and the disabling of said detent mechanism.

2,237,882
REMOVING IRON FROM WATER
Joseph P. Lawlor and Vincent M. Roach, Ames, Iowa, assignors to General Filter Company, Ames, Iowa, a corporation of Iowa
Application December 6, 1937, Serial No. 178,396
11 Claims. (Cl. 210—26)

6. In a process for purifying water by removing iron therefrom, the steps of maintaining a tank filled with water under superatmospheric pressure, passing fresh water in a confined stream and under superatmospheric pressure into said tank, introducing air into said stream before it enters said tank, said air being introduced in finely divided form and under pressure to produce minute bubbles in said stream, providing an air outlet conduit of relatively small cross section area communicating with the top of said tank, with the water in said tank extending into said outlet conduit, maintaining the water in said outlet at a level above the top of said tank, withdrawing said introduced air through said air outlet, and filtering the water in said tank.

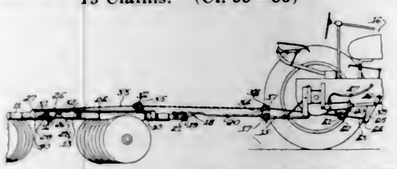


2,237,883
ORNAMENTAL DEVICE FOR PENCILS OR THE LIKE
Sylvester G. Lipic, St. Louis, Mo.
Application May 23, 1940, Serial No. 336,703
4 Claims. (Cl. 41—10)



4. An ornamental device adapted to be mounted and supported on a pencil or the like comprising a cylindrical transparent capsule, an unattached solid in the capsule, having a length greater than the diameter of the capsule and having an image thereon, and transparent liquid of lower specific gravity than the solid in the capsule about said solid sealed within and substantially filling said capsule.

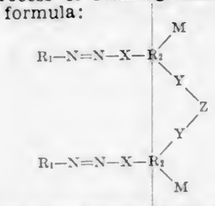
2,237,884
CONTROL OF HARROWS
Roland H. Lysedahl, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 17, 1940, Serial No. 353,103
15 Claims. (Cl. 55—83)



1. In combination, a tractor having a power plant, a harrow comprising front and rear gangs connected to one another for relative movement and to a point on the tractor, means connecting the harrow and a point on the tractor off-set laterally in one direction from the point of connection of the harrow with the tractor for changing the position of one gang with respect to one another for a turn in the opposite direction, and means connecting the aforesaid means and the tractor power plant for changing the position of one gang with respect to the other by tractor power.

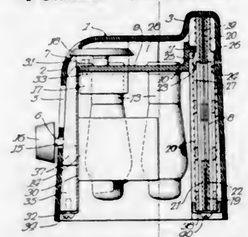
2,237,885
STABLE DIAZO COMPOUNDS
Eugene A. Markush, Jersey City, and Mark S. Mayzner, Asbury Park, N. J., assignors to Pharma Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 13, 1938, Serial No. 201,676
10 Claims. (Cl. 260—142)

1. The process of forming stable diazoniums having the formula:



in which R_1 is the residue of an aryl compound of the group consisting of the benzene and naphthalene series in which the substitutions may be halogen, nitro, methoxy, ethoxy, methyl or ethyl; X is the acid residue $—SO_3—$; R_2 is a member of the group consisting of benzene and naphthalene series; M may be hydrogen, nitro, sulfo or chlor; Y is a sulfo acid group or a carboxy acid group, and Z is zinc; which consists in adding a diazonium member of the group consisting of benzene and naphthalene series to the zinc salts of the sulfo-carboxylic acids or the disulfo acids of the group consisting of the benzene and naphthalene series.

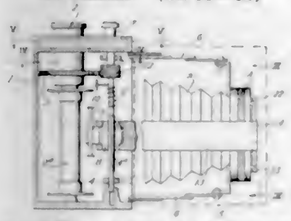
2,237,886
RADIO CONSTRUCTION
Eugene F. McDonald, Jr., Chicago, and Gilbert E. Gustafson, River Forest, Ill., assignors to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 10, 1939, Serial No. 283,544
4 Claims. (Cl. 250—14)



4. Radio construction comprising a chassis, a loop antenna unit, and a casing, said casing having a forward portion housing said chassis and a rearward portion housing said loop antenna unit, means supporting the forward portion of said chassis upon said casing, means

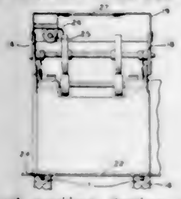
supporting said loop antenna unit upon said casing, and means supporting the rearward portion of said chassis upon said loop antenna unit

2,237,887
PHOTOGRAPHIC CAMERA
Hubert Nerwin, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 3, 1939, Serial No. 254,388
In Germany February 5, 1938
11 Claims. (Cl. 95—32)



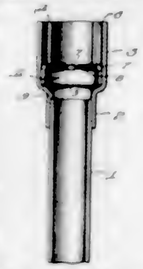
1. In a rollfilm camera, a camera casing having a hinged cover which supports in its open position the photographic objective and the shutter in operative position, a shutter tensioning member and a shutter release member on said shutter, means in said camera for winding the film upon a take-up spool, a plurality of movably interconnected rigid elements operatively connected with said film winding means for actuating in the operative position of said objective and shutter the tensioning member of the latter when said film winding device is operated, said interconnected elements including one element moving parallel to the axis of said take-up spool, and a second element extending lengthwise of said cover and terminating with one end adjacent said shutter tensioning member, said second element having lateral rigidity and being collapsible with said cover, and manually operable shutter control means on said camera casing adapted to actuate the shutter release member on said shutter.

2,237,888
CARD HANDLING EQUIPMENT
Arthur Pentecost, Upper Montclair, N. J., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application August 31, 1939, Serial No. 292,907
2 Claims. (Cl. 240—2)



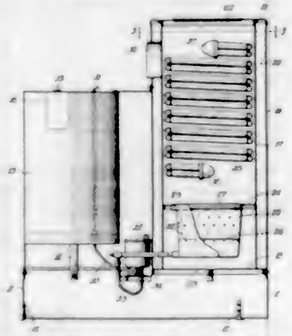
1. In a card sorting device of the class described having a plurality of juxtaposed open top card receiving compartments, said compartments also being open laterally to facilitate removal of the sorted cards contained therein and being provided with individual designating characters situated substantially adjacent the lateral opening thereof, a unitary cover member disposed over the open top area of the juxtaposed compartments, and an artificial light providing means mounted on and situated within said cover member and above said compartments to uniformly illuminate all of the compartments whereby particularly the cards and the associated designating characters therefor are readily observable.

2,237,889
FLAME STABILIZER FOR LABORATORY BURNERS
Herman C. Rickert, Chicago, Ill.
Application May 8, 1939, Serial No. 272,540
1 Claim. (Cl. 158—116)



A sheet metal burner tip comprising a cup-shaped upper member and a tubular member of smaller diameter than the upper member extending downwardly from the bottom of the cup, a sleeve of about the same internal diameter as that of said tubular member and of smaller external diameter than the internal diameter of the cup disposed within the latter co-axially thereof, the lower end of the sleeve being flared so as to fit tightly into the surrounding wall of the cup and thereby produce between the upper portion of the same and said tubular member an enlarged chamber, the sleeve being perforated at the juncture of the flaring portion thereof with the body of the sleeve; the cup being deep and the sleeve being long and extending to the top of the cup, whereby a deep, narrow, annular unobstructed chamber is formed between the sleeve and the surrounding wall of the cup.

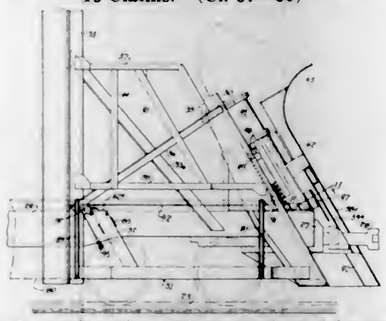
2,237,890
WATER HEATER CONSTRUCTION
Rolland C. Sabins, Wisconsin Rapids, Wis.
Application March 4, 1940, Serial No. 322,081
2 Claims. (Cl. 122—250)



1. In a water heater, a vertically extending heating drum, a pot type oil burner in the base of the drum, said burner having a top ring with a restricted central flame opening, a closed partition supporting the burner from the drum wall, a water heating coil located in the upper portion

of the drum concentrically with the burner opening, the coil having a central opening greater in diameter than the burner top ring, and the drum having a removable upper portion whereby the burner ring may be removed through the coil for cleaning the burner.

2,237,891
RAILROAD SPREADER
Calvin W. Shipley, Hammond, Ind., assignor to O. F. Jordan Company, East Chicago, Ind., a corporation of Indiana
Application October 7, 1939, Serial No. 298,385
13 Claims. (Cl. 37—30)



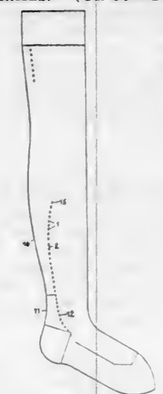
1. In combination with a car adapted for travel upon the rails of a railway track and including an underframe, an upwardly and rearwardly sloping plow at one end of said car, said plow being of a V-shaped type to include a center ridge and sides diverging outwardly and rearwardly therefrom, means carried by said end of the car providing an upwardly and rearwardly sloping guide structure and with which said plow is operatively engaged, said means including a member supported by but in advance of and below said underframe and engaged by the bottom central portion of said ridge and said sides of the plow for taking the thrust imposed thereon during a plowing operation, and means for moving said plow longitudinally of said guide structure into and out of operative position with respect to said railway track.

2,237,892
SOCK LINING
Jacob Squire, Astoria, Long Island, N. Y.
Application March 27, 1939, Serial No. 264,396
4 Claims. (Cl. 36—43)



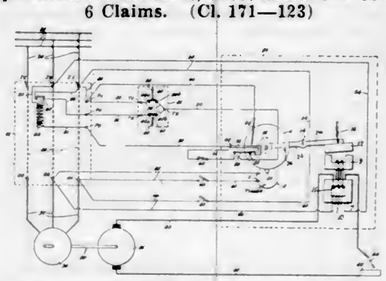
1. As a new article of manufacture, a sock lining composed of a single layer of suitable sheet material such as thin leather of sock-lining thickness and comprising a main part and an end part disposed in abutting edge to edge relation and in the same plane, the opposite surfaces of said parts constituting the opposite surfaces of the sock lining, the upper surfaces of said parts being exposed and differing from each other in appearance, the abutting edges of said parts being formed with interfitting recesses and projections and extending transversely of the sock lining from one side edge thereof to the opposite side edge thereof, the outer edges of said parts coinciding with the peripheral edge of the sock lining, said interfitting recesses and projections of said parts being shaped to hold said parts together in said abutting edge to edge relation.

2,237,893
FULL-FASHIONED STOCKING
Hans Thierfelder and Ernst Dietz, Auerbach i. Erzg., Germany
Application July 9, 1938, Serial No. 218,352
In Germany March 19, 1938
5 Claims. (Cl. 66—178)



4. A full-fashioned stocking having a back seam and a line of fashioning points, said line having a lower portion extending substantially parallel to and at a distance from said back seam and an upper portion extending away from said back seam and at a greater distance therefrom than the lower portion, said line consisting of actual fashioning points as well as mock fashioning points, the courses containing the latter being worked so as not to reduce the width of the fabric.

2,237,894
AUTOMATIC CONTROL APPARATUS FOR DIRECT-CURRENT ARC WELDING
Joseph Tyrner, Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1939, Serial No. 302,515
6 Claims. (Cl. 171—123)



1. The combination with a direct-current arc welding circuit and a motor-generator unit for supplying the direct current to said circuit, of an automatic control apparatus comprising transformer and relay cores, a transformer secondary and relay winding embracing both of said cores, said transformer secondary and relay winding being connected in said circuit, a transformer

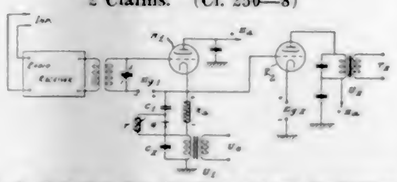
primary embracing the transformer core alone for energizing said transformer secondary and relay winding upon closing of said circuit, a retractable armature cooperating with the relay core, a rotary member normally biased for rotation from its normal position, an electric timing device for rotationally restoring said member to its normal position, said device having a normally stationary rotary shaft normally engaging said member, mechanical means operatively connecting said member with said armature to effect movement of said member out of engagement with said shaft upon attraction of said armature by the relay core and movement of said member into engagement with said shaft upon retraction of said armature, and switching means operated by said member for controlling the operation of said unit and the operation of said device, said switching means being actuated by the rotational movements of said member from and back to its normal position.

2,237,895

IMPULSE DIRECTION-FINDING RECEIVER

Günther Ulbricht, Blankenfelde Mahlow, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 28, 1938, Serial No. 210,596
In Germany May 31, 1937
2 Claims. (Cl. 250—8)



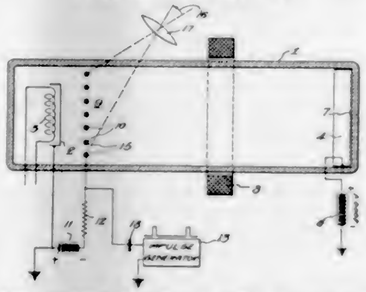
1. A detector for impulse waves including a source of audio frequency current, a thermionic tube including a cathode, a cathode lead including a resistor and a connection to said source of audio frequency current, a rectifier shunted by a second resistor connected in series with a condenser, said rectifier and series condenser being connected across said first mentioned resistor, and an audio amplifier effectively connected across said first mentioned resistor and said audio frequency connection.

2,237,896

ELECTRONIC DEVICE

Arthur W. Vance, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 29, 1936, Serial No. 66,342
9 Claims. (Cl. 178—7.2)



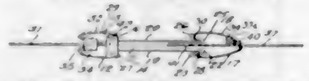
1. An electric discharge tube comprising an evacuated envelope having therein a source of electrons of extended area, electrical image utilizing means comprising an element positioned to receive said electrons, and a mosaic of photoelectric elements electrically insulated from each other and positioned between said cathode and said element, said mosaic being of grid-like structure whereby electrons may pass therethrough from said cathode to said element, and means for applying a positive impulse to said mosaic periodically.

2,237,897

FOLDABLE SHEET MATERIAL CUTOUTS

George W. Vos, New Rochelle, N. Y.

Application May 8, 1940, Serial No. 333,906
9 Claims. (Cl. 46—157)



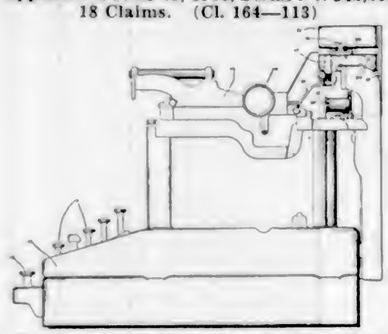
1. An object simulation comprising a blank or cutout made of a sheet material, the blank being folded upon itself along an axis to bring the two portions of the blank to either side of said axis substantially together, one of said portions having an extension interfolded therewith so that a part of said extension is accommodated and concealed between said two portions and another part projects out from in between said two portions, said latter part of the extension lying in substantially a central or median plane through said axis of folding with said two portions in planes somewhat laterally displaced from said median plane.

2,237,898

PUNCH

Ralph E. Bitner, New York, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application June 25, 1940, Serial No. 342,206
18 Claims. (Cl. 164—113)



1. In the combination of a bookkeeping machine comprising a carriage, and a punching mechanism; means for causing a set-up to be made in the punching mechanism as a set-up is made in the bookkeeping machine, a transparent strip supported on said carriage for movement therewith, and means on the transparent strip for controlling the effectivity of said set-up causing means.

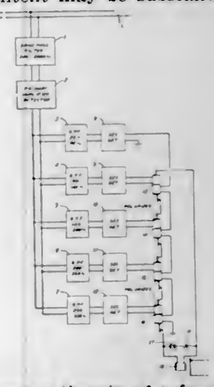
2,237,899

SPEECH WAVE DETECTING CIRCUIT

Bjorn G. Bjornson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 27, 1940, Serial No. 331,973
6 Claims. (Cl. 179—1)

1. A circuit for discriminating between speech waves having a discrete energy spectrum and noise waves having a relatively continuous energy spectrum, comprising means for detecting a band of audio frequency components of the combined waves, means for selecting from the detected waves one frequency subband in which the speech energy content is ordinarily low and one or more other frequency subbands in which the speech energy content may be substantially larger due



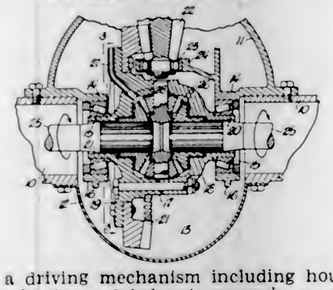
to the presence therein of a fundamental speech frequency, means for effectively balancing said one subband against each of said other subbands to neutralize, at least partially, the noise energy components in the selected subbands, and control means responsive to a substantial difference between the energy contents of the balanced subbands to indicate the presence of speech wave components.

2,237,900

LUBRICATING MEANS FOR DRIVING MECHANISMS

James A. Bundy and Henry L. Elfner, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey

Application December 20, 1937, Serial No. 180,687
5 Claims. (Cl. 184—13)



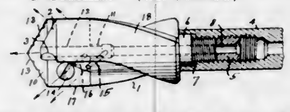
1. In a driving mechanism including housing structure having a lubricant reservoir, a rotatable closed casing operating within said housing structure and in lubricant in the reservoir, power transmitting mechanism within the casing, the casing being formed with a shaft opening and a shaft closely fitting and extending through the opening and driven by the power transmitting mechanism, the combination with the casing of a lubricant receiving member carried thereby for rotation therewith and communicating with the interior thereof, said member receiving lubricant intermittently from the reservoir as the casing rotates and constituting the sole means for conveying said lubricant to the power transmitting mechanism, the closed casing confining lubricant therein against escape other than between the shaft and shaft opening.

2,237,901

DRILL

William A. Chun, Houston, Tex.

Application October 7, 1938, Serial No. 233,752
5 Claims. (Cl. 77—68)



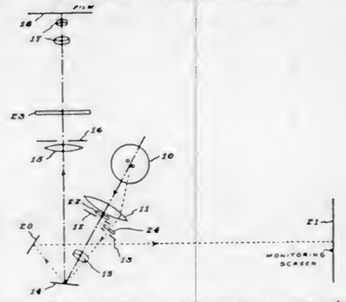
1. A drill comprising a body, a shank of less diameter than the body for driving the body, said shank and body having an axial water course therethrough and the forward end of the body having a transverse slot, a blade detachably secured in the slot, the diameter of the passageway through the body being greater than the minor diameter of the blade and said passageway forming outlets for a cooling fluid along opposite sides of the blade, said passageway having upper and lower, approximately parallel branches disposed to cast the cooling fluid in front of the blade on opposite sides of the body.

2,237,902

SOUND RECORDING

Glenn L. Dimmick, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application April 29, 1936, Serial No. 76,901. Divided and this application April 28, 1938, Serial No. 204,727
7 Claims. (Cl. 179—100.3)



1. Sound recording apparatus comprising a light source, an aperture, a color filter aligned with said aperture adapted to pass actinic light, a second aperture, a color filter aligned with said second aperture adapted to pass non-actinic light, means for directing light from both of said apertures to a light-modulating means, means for directing the modulated actinic light to a light sensitive surface, and means for directing the non-actinic light to a viewing point.

2,237,903

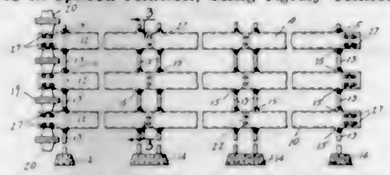
OPEN TYPE CONDENSER

Robert W. Drake, Tulsa, Okla.

Application January 25, 1940, Serial No. 315,483
2 Claims. (Cl. 257—255)

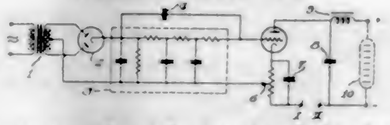
2. In a condenser a plurality of superposed units each including a pair of headers and tubes connected at opposite ends thereto, a pair of elongated frame members at the sides of each

unit, and means connecting each pair of frame members together in spaced relation, and a plurality of spacing connections between superposed frame members, the frame pair connecting means slidably supporting and maintaining said tubes in spaced relation, being rigidly connected



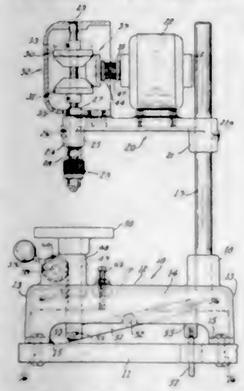
at opposite ends to the frame pair members, the superposed frame members being adjustably connected together adjacent their ends, the frame members being longer than the tubes, and slidable connections between the adjacent ends of all frame members and headers.

2,237,904
PHOTOGRAPHIC SOUND RECORDING APPARATUS
Ernst Hack, Berlin, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
Application July 31, 1940, Serial No. 348,859
In Germany July 10, 1939
6 Claims. (Cl. 179—100.3)



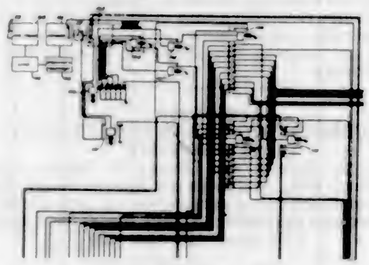
1. An amplifier of the class described including a rectifier, a thermionic amplifier, filter means between said rectifier and said amplifier, and means connected from said rectifier to the grid of said amplifier for transmitting an initial impulse whereby an abrupt transitory change in the output of said amplifier is produced.

2,237,905
MACHINE TOOL
Eric V. Haffling, Stratford, Conn.
Application July 25, 1939, Serial No. 286,423
6 Claims. (Cl. 10—135)



6. In a machine of the class described, a base, an upright on the base, a shelf-like support, means mounting said support on said upright for vertical adjustment thereon, a motor on the support, a vertical spindle mounted by the support, a tool holder on the lower end of said spindle, means mounting said spindle for limited vertical movement relative to the support, a gear on said spindle, a second gear, means mounting the second gear on the shaft of the motor for rotation therewith and for movement longitudinally thereof, adjustable resilient means controlling such movement of said second gear longitudinally of the motor shaft, said second gear normally disposed for engagement with the spindle mounted gear on movement of the spindle to bring the gears together, said resilient means adapted to permit of the second gear moving in a direction away from the spindle mounted gear to ease such engagement and permit of slipping of the second gear on the spindle mounted gear on the pressure of the spindle mounted gear against the second gear becoming excessive, a work platform on said base below said spindle, and means for moving said platform toward and from the lower end of the spindle to move work toward and from said tool holder.

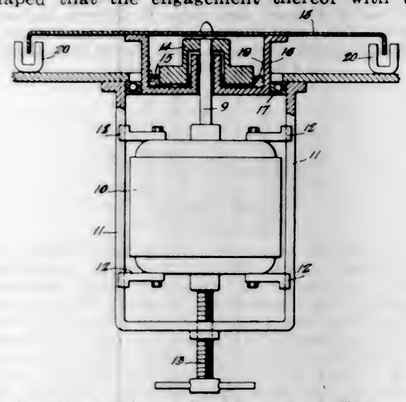
2,237,906
TELEPHONE SYSTEM
Gerald V. King, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1939, Serial No. 295,011
13 Claims. (Cl. 179—18)



1. In a telephone system, a telephone office, incoming lines, outgoing lines in groups having a plurality of subgroups, a marker, route relays in said marker, a register in said marker set according to designations transmitted over a calling line, testing means in said marker common to the groups of lines in said office and the route relays of said marker arranged for simultaneous connection with said plurality of subgroups in a group by the operation of a single route relay, and means responsive to the registrations in said register for operating said single route relay and for designating a particular one of said subgroups of lines to be tested for the selection of an idle outgoing line.

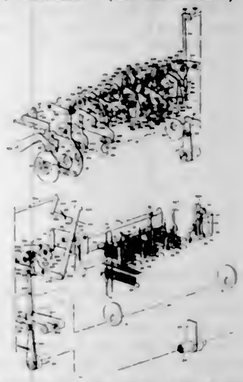
2,237,907
POWER TRANSMITTING DEVICE
Daniel O. Landis, Upper Darby, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1939, Serial No. 292,791
6 Claims. (Cl. 192—12)

1. In combination, an outer liquid containing member, an inner liquid engaging member, one of said members adapted to be a driving member and the other adapted to be a driven member, liquid in said outer member and engaging said inner member, said inner member being so shaped that the engagement thereof with the



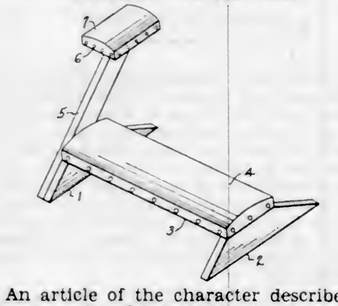
liquid will continuously decrease as the speed increases.

2,237,908
TABULATING MECHANISM
William W. Lasker, deceased, late of Brooklyn, N. Y., by William W. Lasker, Jr., executor, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application July 31, 1937, Serial No. 156,692
5 Claims. (Cl. 235—61.7)



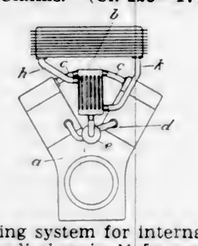
1. In a record controlled tabulating machine having means for sensing group and grand group designations in successively fed records, means controlled thereby for detecting changes in group or grand group designations, a first and a second accumulator, means for inserting amounts therein, and means individual to each of said accumulators arranged when actuated to condition the machine for causing the associated accumulator to yield its total, the combination of a single means for actuating either of said conditioning means, said actuating means being normally arranged to actuate the conditioning means of the first accumulator, a control means to control machine functions incident to total taking operations, said control means including means to operate said actuating means, means for operating said control means through a predetermined sequence of operation required for total taking, means controlled by said change of designation detecting means for rendering said operating means effective to operate said control means through said predetermined sequence of operation when any change in designation is detected, additional means for controlling said operating means to cause successive sequences of operation of said control means, means for operating said additional means concurrently with said control means, means controlled by said change of designation detecting means to initiate the operation of said last named operating means when a change in grand group designation is detected, and means controlled by said additional means to shift the control of said actuating means to the conditioning means of the second accumulator during the second sequence of operation of said control means.

2,237,909
GARDEN BENCH
Ruby Lund, Houston, Tex.
Application May 1, 1939, Serial No. 271,096
4 Claims. (Cl. 155—166)



1. An article of the character described comprising spaced end legs, a kneeling board whose ends are supported by said end legs, a forwardly inclined standard fixed to one of the end legs and extending above the kneeling board and an arm rest on the upper end of the standard disposed at right angles to the kneeling board.

2,237,910
COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Fritz Nallinger, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application September 27, 1938, Serial No. 231,860
In Germany September 15, 1937
11 Claims. (Cl. 123—174)



7. In a cooling system for internal combustion engines with cylinders in V-formation comprising an internal combustion engine, a heat exchanger placed in the space between the two rows of cylinders, an air-cooled radiator above the heat exchanger, thus forming a bridge over the upper parts of the two rows of cylinders, pipes connecting the upper and the lower part of the radiator with one part of the heat exchanger, pipes connecting the upper and lower part of

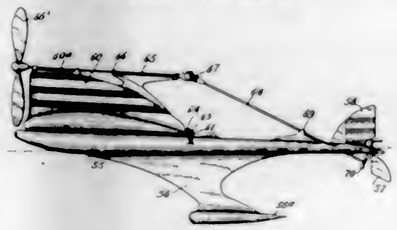
the engine with the other part of the heat exchanger, the cooling system of the engine being filled with water under superpressure, the cooling system of the radiator being filled with a hot cooling medium under atmospheric pressure, means to protect the heat exchanger against external damages, and a pump in the cooling system of the engine.

2,237,911
PACKAGE AND METHOD OF WRAPPING AND BANDING
Joseph A. Neumair, Hollis, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original application August 22, 1932, Serial No. 629,959. Divided and this application April 15, 1937, Serial No. 137,039
6 Claims. (Cl. 93—2)



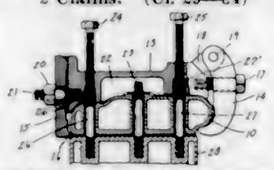
1. A "Cellophane" wrapped cigar package comprising a cigar and a tube of "Cellophane" having its end bent back on a hinge line beyond the end of the cigar and crimped with a corrugated crimp extending transversely across said hinge line and lengthwise with respect to the cigar, the corrugations of said crimp being terminated at a region beyond which the reverted end of the tube is crimp-free, and said crimp being self-retentive exclusively by virtue of adhesive-free folds compressed beyond the elastic limit of the "Cellophane."

2,237,912
TOY BOAT
Dixon Palmones, Pelham, N. Y.
Application March 20, 1940, Serial No. 324,990
6 Claims. (Cl. 46—93)



1. A toy boat, comprising a streamlined body, a wind guide vane mounted on the top of the body at the front, a propeller shaft rotatively supported and extending centrally of said body from the front to the rear and having its front end at a high elevation and its rear end at a low elevation, a wind propeller mounted on the front end of said shaft, and a means for propelling said body connected with the rear end of said shaft, said body being provided with runners, and said means for propelling said body comprising a worm gear mounted upon the rear end of said shaft, a pinion meshing with said worm gear and fixedly mounted upon a shaft, wheels mounted on opposite sides of said pinion and fixedly attached to said shaft, and pins extending from the periphery of said wheels and adapted to contact the surface of the ice for driving the body thereacross.

2,237,913
AUTOMOBILE HEAD PULLER
William R. Poland and Otto D. Moyer, Indianapolis, Ind.; said Moyer assignor to said Poland
Application December 14, 1938, Serial No. 245,583
2 Claims. (Cl. 29—84)



1. A tool for separating the cylinder head from a cylinder block having upwardly extending studs, including an elongated body member adapted to be mounted over a head to be removed, said member being provided with a bore on either side of its transverse median line for stud reception, said bore being of a diameter slightly greater than a stud, a pair of gripping members connected to said body member, each adapted for gripping the sides of a head and securing the body member thereto, a screw threaded bore in alignment with each stud bore extending from said bore through the opposite side of the body, and a screw in each threaded bore for bearing upon a stud within each stud bore of said body member for elevating the head.

2,237,914
MUSICIAN'S STAND
Orwell Claude Rader, Kansas City, Mo.
Application July 31, 1939, Serial No. 287,521
1 Claim. (Cl. 45—62)

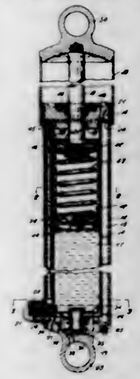


A stand of the character described comprising an upright; and a music rest on the upright disposed at an angle thereto, said music rest being formed of a continuous strip of sheet material rebent upon itself to present a front plate, a back wall, and an edge wall joining the front plate and said back wall along their uppermost edges to hold the same in spaced apart relation, the lower marginal edges of said front plate and said back wall being bent laterally in juxtaposition to each other to a line spaced forwardly of the front plate to present a bottom rest along the lower edge of the music rest, the free edge of the laterally extending marginal edge of the front plate being clamped around the free edge of the marginal edge of the back wall, the opposite ends of said music rest being open to permit the introduction of music from either end.

2,237,915
SHOCK ABSORBER
Neal E. Routson, Lakewood, Ohio, assignor to Lucien R. Gruss, Cleveland, Ohio
Application October 28, 1939, Serial No. 301,820
4 Claims. (Cl. 267—34)

1. In a double-acting shock absorber, a cylinder, a reservoir, resistance fluid in the cylinder

and reservoir, a piston operable in the cylinder for subjecting the fluid to pressure, said cylinder having restrictions adjacent its respective ends through which fluid may be discharged into the reservoir by the piston, an actuating member



extending into the cylinder, and means providing a positive connection between the piston and actuating member for movement of the piston toward one of said restrictions and a yieldable connection therebetween for movement of the piston toward the other of said restrictions.

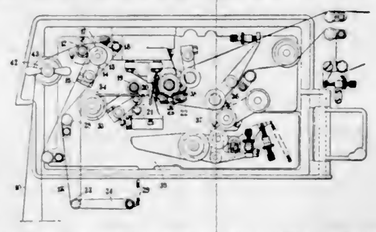
2,237,916
ELECTRIC MOTOR MOUNTING
Karl Schwarz and Hermann Freese, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 31, 1939, Serial No. 292,942
In Germany August 19, 1938
3 Claims. (Cl. 172—36)



1. In sound translating apparatus employing a synchronous motor having a stator subject to slight oscillations and a cooperating rotor, the combination with said stator of a supporting frame, a plurality of resilient members connected to said stator and said frame, a mass carried by each of said resilient members, said resilient members and their masses constituting tuned systems tuned to the frequency of said oscillations, and said systems being arranged symmetrically with respect to the center of gravity of said stator, and said resilient members being connected to said frame at their node points.

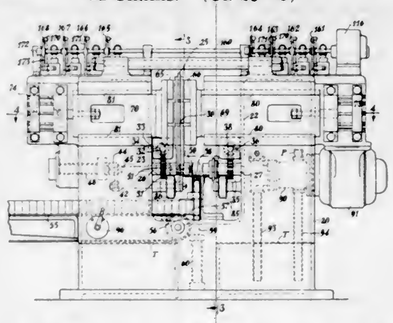
2,237,917
APPLICATION OF SECTIONS OF MATERIAL TO RUNNING WEBS
Jack Shackleton, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 16, 1937, Serial No. 164,143
In Great Britain September 29, 1936
3 Claims. (Cl. 154—36)

1. In mechanism for applying sections of frail material such as gold tipping, forming a component of a composite web having a backing web component, to a running web such as a cigarette wrapper web, devices for handling said composite web and running web comprising means to support a supply roll of said composite web, and means to lead it to a separating station, means for separating the frail web from said composite web and for leading it to a tipping station, a rewinding roll, and means for leading said backing web component exclusively thereto, web feeding devices also acting exclusively upon said backing web component and whereby the latter only is subject to the pressure of said feed and the



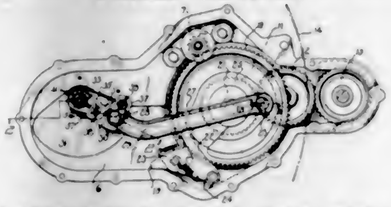
tension in the web due to said feed, devices to lead said running web continuously to a tipping station, devices to lead and to feed said frail web intermittently to a severing station, means to sever tips serially from the leading end of said frail web and to lead the tips individually at proper intervals into the range of movement of said running web at said tipping station, and mechanism to apply said tips to said running web at said tipping station and to lead the tipped running web continuously therefrom.

2,237,918
PRESS
John Van Buren, Brooklyn, N. Y.
Application March 3, 1939, Serial No. 259,598
11 Claims. (Cl. 25—9)



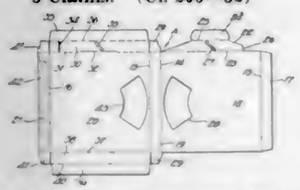
1. A soap press comprising a pair of independently movable matrix bars, each having mold cavities therein, means for moving each of said bars from an initial cake receiving position to a second position in which the cakes are pressed and for returning the bars to their initial positions, combination cake feeding and ejecting means disposed between said bars and operable to feed cakes successively into said matrix bars when said bars are in their initial positions and to eject the pressed cakes from said bars after the cakes have been pressed in the second positions of said bars and the bars have returned to their initial positions, means for operating said feeding and ejecting means and means for pressing the cakes in the bars when the bars are in their second position.

2,237,919
AGITATOR DRIVE MECHANISM
Julius P. Wied, East Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 3, 1938, Serial No. 238,640
4 Claims. (Cl. 74—75)



1. Mechanism to convert rotary motion to oscillatory motion comprising a rotating driving member and an oscillating driven member, said driving member having an eccentric, a pitman having one end pivotally connected to said eccentric and thereby rotated, means constraining the other end of said pitman to oscillation in an arcuate path adjacent said driven member, an arm on said pitman having a pivot, means fixed to said driven member, and a link pivoted at one end to said last-named means and pivoted at its other end to said arm pivot, said arm pivot, link and last-named means constructed and arranged to maintain said arm pivot at one side of a line between the said other end of the pitman and the pivotal connection between said last-named means and link whereby a straight line driving connection through the arm and link is prevented.

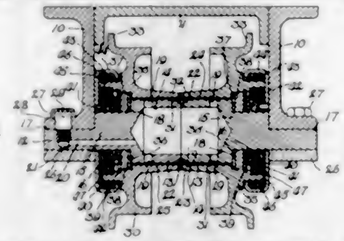
2,237,920
RIBBON REEL PACK
William S. Armitt, Hanover, Pa.
Application April 8, 1939, Serial No. 266,779
5 Claims. (Cl. 206—52)



1. A container for ribbon reels and the like comprising a single blank of cardboard cut, scored and folded to provide a bottom wall, spaced opposed side walls, opposed end walls, a top wall integral with one of said side walls and having a ribbon slot therein, a top flap integral with the other side wall and overlying a portion of said top wall and having a ribbon slot therein in registration with the ribbon slot in said top wall, a locking tongue integral with said top flap and extending through a slot provided in said top wall at its joinder with its related side wall.

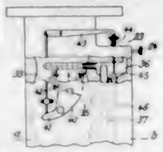
2,237,921
ROLLER WHEEL
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Beehman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application December 31, 1938, Serial No. 248,892
3 Claims. (Cl. 308—103)

1. A roller-wheel shaft comprising substantially identical halves, each formed with an enlarged cylindrical end portion formed with an axially extending, cylindrical recess, its cylindrical wall having an opening therethrough communicating with the recess, each half being further formed with a coaxial reduced, cylindrical end portion having a diameter smaller than that of the cylindrical recess, the junction between



the reduced portion and the enlarged portion providing a radial face, said halves being welded together about the circumference of the junction between the two enlarged portions to form a unitary shaft, the recesses together forming a lubricant reservoir and the outer cylindrical surfaces of the enlarged portions forming a cylindrical bearing surface.

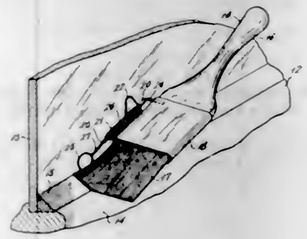
2,237,922
CARBURETOR
Ludwig Beck, Berlin, Germany, assignor of one-third to Ludwig Bertele, Berlin-Steglitz, Germany, and one-third to Alwin Dusterloh, Sprockhovel, Germany
Application July 10, 1937, Serial No. 152,885
In Germany July 13, 1936
4 Claims. (Cl. 261—50)



1. In a carburetor, a suction passage terminating at one end in an air intake opening, a throttle valve located in said passage, a first venturi located in said passage between said intake opening and said valve, a second venturi located in said passage on the opposite side of said valve from said intake opening, a fuel nozzle located at said second venturi, a fuel passage for delivering fuel from a float chamber to said fuel nozzle, said nozzle having its discharge opening above the fuel level in said float chamber, an air passage opening at one end into the suction passage at said first venturi and opening at the other end into said fuel passage above the fuel nozzle opening, and means including an air valve mechanically linked with said throttle valve for controlling the amount of air delivered by said air passage to said fuel passage.

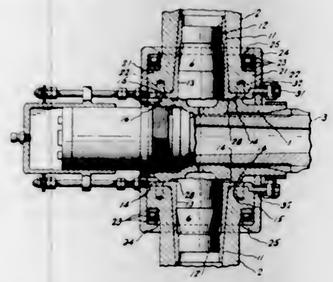
2,237,923
PAINTBRUSH GUIDE AND GUARD DEVICE
Roscoe W. Brainard, Cleveland, Ohio
Application October 28, 1938, Serial No. 237,439
4 Claims. (Cl. 15—166)

1. In combination with a paintbrush having an arm mounted thereon to extend longitudinally of the brush in spaced relation to a portion of the brush, a guide and guard device comprising a helical spring adapted to receive said arm therein for connecting the device with the brush,



said spring carrying laterally projecting guide means adjacent its upper end and its lower end carrying a bristle guard.

2,237,924
PROPELLER FOR AIRCRAFT
Frank W. Caldwell, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application April 21, 1931, Serial No. 531,685. Divided and this application July 24, 1937, Serial No. 155,370
3 Claims. (Cl. 170—162)



3. A controllable pitch propeller comprising a hub having pivot arms and annular bearing surfaces encircling said arms, blades having sleeves in their shanks provided with bearing surfaces for engaging the arms to journal the blades thereon and having shoulders extending radially at the inner ends of the blades and engaging the annular bearing surfaces on the hub and means acting on the blades, exterior of the blade surface, to resist a tendency of the blades to move radially outwards due to the effects of centrifugal force on the blades and to bias said blade ends toward said shoulders to hold said shoulders against said annular bearing surfaces.

2,237,925
GARMENT BOTTOM TRIMMER
Isidore A. Chaikin, Lawrence, N. Y.
Application December 7, 1938, Serial No. 244,497
9 Claims. (Cl. 164—71)

1. In a garment trimming device, guides adjustably held in fixed relationship to the floor and secured to each other in fixed relation and having a slot between said guides for the gar-



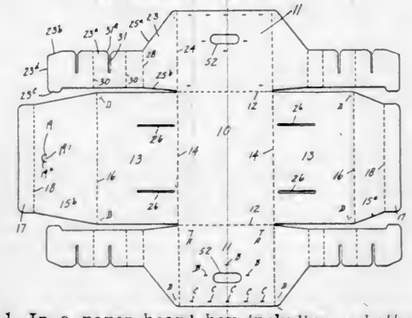
ment being trimmed and means adjusting the height of said guides from the floor.

2,237,926
DENTAL PATTERN
Ralph C. Cooley, Houston, Tex.
Application June 24, 1937, Serial No. 150,150
5 Claims. (Cl. 32—15)



1. A partially formed pattern for taking an impression of the walls of a prepared dental cavity, said article being composed of pliable material and formed with an enlarged outer body containing surplus material and a reduced extension and a cross web carried by the body, said extension and cross-web being much thinner than the outer body.

2,237,927
REINFORCED HEAVY DUTY FIBER BOX
Ernest John Creek, Marion, Ind., assignor to Indiana Fibre Products Company, Marion, Ind., a corporation
Application September 27, 1937, Serial No. 165,950
14 Claims. (Cl. 229—27)



1. In a paper board box including a bottom, wall portions, a pair of similar covers hingedly carried by one pair of opposite wall portions, said covers being substantially of the same length but of dissimilar width for the purpose described, flap extensions carried by each cover remote from its hinge connection, and flap extensions

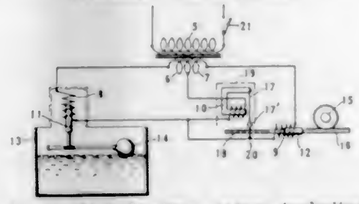
carried by the other opposite pair of walls and slotted for cover extension reception, each of one pair of opposite walls being of dual character, the inner and outer portions thereof having registering openings therein for hand reception, and the inner wall having an integral inwardly directed offset portion therein immediately above the apertures for finger contact and box stiffening.

2,237,928

REMOTE INDICATING SYSTEM

Charles O. Cressy, East Providence, R. I.

Application April 15, 1939, Serial No. 268,063
6 Claims. (Cl. 177—351)



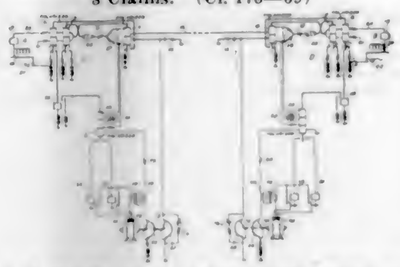
1. A remote indicating system including two connected branch circuits, each including a source of alternating current and a variable impedance, an electromagnetic device having a coil connected in both branch circuits and a tuned reed with an enlarged tip vibrated by the magnetic field effect, adjusting means for balancing the impedances, a stationary scale and an adjustable index for indicating the amount of movement of said adjusting means, said enlarged tip being stationary and visible clearly only when the impedances are balanced.

2,237,929

AUTOMATIC BALANCING SYSTEM

George C. Cummings, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 26, 1939, Serial No. 286,505
8 Claims. (Cl. 178—69)



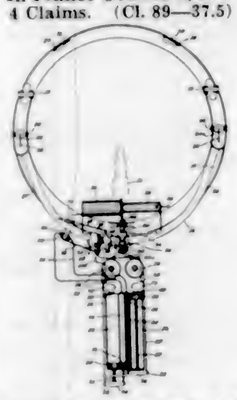
1. A duplex signal transmitting system comprising a signaling line, transmitting apparatus connected to each end of said line for applying at least two signaling conditions thereto, receiving apparatus connected to each end of said line, an artificial line connected to said receiving apparatus at each end of said line, means for automatically maintaining a definite relationship between the impedance of each of said artificial lines and said signaling line comprising apparatus responsive to changes in the relative impedances of each of said artificial lines and said signaling line, a variable impedance connected in one of said lines, means at one end of said line responsive to a single set of signaling conditions applied to the ends of said line, and means for automatically varying said variable impedance under the joint control of said responsive means and said measuring means for varying said impedance during the application of a single set of signaling conditions to said line.

2,237,930

GUN SUPPORT

Albert Dewandre, Brussels, Belgium, assignor to Servo-Frein Dewandre, Société Anonyme, Liege, Belgium

Application October 4, 1937, Serial No. 167,312
In France October 8, 1936
4 Claims. (Cl. 89—37.5)



1. A gun support comprising a fixed ring, a movable ring turning on the said fixed ring and a gun pivoted to the said movable ring, two compressed air driving cylinders, a movable member in each of said cylinders, two oil cylinders each of which is arranged parallel to one of said air cylinders, a movable member in each of said oil cylinders, each of the latter members being connected to one of the movable members of the air cylinders, cables attached to said movable ring for being controlled by the said movable members and for turning the said movable ring in opposite directions, guiding pulleys for the said cables, means for amplifying the angular displacement of the said ring relatively to the displacement of the said movable members, a conduit connecting the two oil cylinders, a valve for regulating the section of passage in the said conduit, means depending on the lateral displacement of the gun relatively to its support for controlling the air distributors and then the oil valve and for varying the speed of movement of the said movable members by reason of the lateral angular displacements of the said gun.

2,237,931

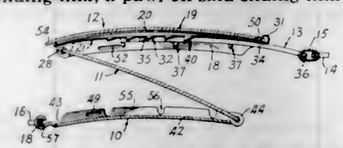
BRACELET CONSTRUCTION

Emil Haeffner, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey

Application June 29, 1935, Serial No. 28,984
10 Claims. (Cl. 24—71)

10. In an extensible buckle, in combination, a housing link, a link slidably mounted on said housing link, a one-piece spring member connected at one end thereof to one end of said housing link and extending longitudinally of said housing link to and beyond the other end thereof and provided at said last mentioned end with a finger piece accessible externally of said housing

link, said spring member having a plurality of ratchet teeth formed therein, said spring member being disposed between said housing link and said sliding link, a pawl on said sliding link locat-



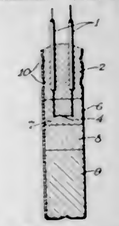
ed to engage said ratchet teeth, said ratchet teeth normally being in engagement with said pawl and movable out of said engagement by flexing of said spring member when said finger piece is pressed.

2,237,932

ELECTRIC BLASTING INITIATOR

Stanley Lougheed Handforth, Wilmington, Del., and Charles Russell Johnson, West Chester, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application December 24, 1937, Serial No. 181,645
6 Claims. (Cl. 102—10)



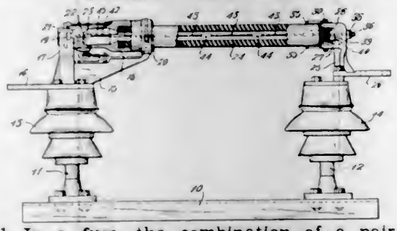
1. In an electric blasting initiator, a plug comprising a thermoplastic resin substantially free from crystalline ingredients, said plug serving as the sole means for spacing the leg wires in the firing circuit and as the sole sealing material to close said initiator, and a crimp extending around a circumference of the shell in the region enclosing said plug forcing the shell wall into and deforming said plug to produce a waterproof closure.

2,237,933

ENCLOSED FUSE

Lester C. Hart, Cleveland, Ohio, assignor to Hi-Voltage Equipment Company, Cleveland, Ohio, a corporation of Pennsylvania

Application October 31, 1938, Serial No. 237,842
4 Claims. (Cl. 200—117)



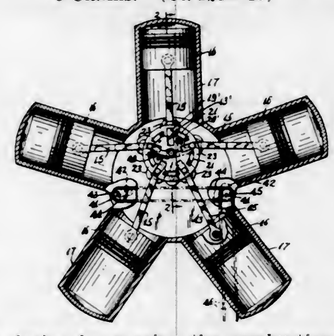
1. In a fuse, the combination of a pair of terminal members, insulators for supporting said terminal members, a tube closed at one end and open at the other and having its closed end mounted on one of said terminal members, a fuse link extending through said tube and having a fusible section at the closed end of the tube electrically connected with the last mentioned terminal member, the other of said terminal members having a post thereon, said fuse link having a loop at the end thereof which is outside said tube, said loop being loosely mounted on said post, and spring-actuated means engaging said link outside said tube for applying a tensioning force to the link whereby the link will be withdrawn from said tube and thrown off said post upon the rupturing of said fusible section.

2,237,934

ADJUSTABLE TRANSMISSION FOR AIRPLANE MOTORS AND THE LIKE

John Hlasney, Jr., New York, N. Y.

Application March 22, 1940, Serial No. 325,305
9 Claims. (Cl. 123—48)



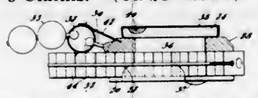
1. A device for varying the combustion space of a multi-cylinder engine, comprising a crank, a circular member on said crank, a disc free on said crank and having a plurality of radial slots and frictionally connected with said circular member, a plurality of connecting rods for the pistons of said engine and having forked inner ends straddling the edge of said circular member, and projecting elements engaging in said radial slots, means for relative partial rotation of said circular member and disc, and a cam for each connecting rod mounted on said circular member and against which said connecting rod abuts, and in one relative position of said circular member and disc serving to hold the connecting rod and piston extended for minimum combustion space, and another position permitting the connecting rod and piston to assume a position for maximum combustion space.

2,237,935

SLIDING CLASP FASTENER

Paul Hossmann, Bern, Switzerland

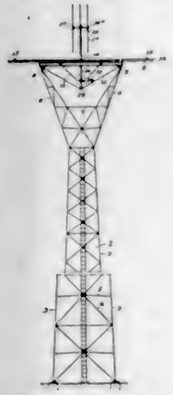
Application March 17, 1939, Serial No. 262,338
In Switzerland July 15, 1938
5 Claims. (Cl. 24—205.5)



1. A sliding clasp for opening and closing the fastener prongs of a slide fastener, comprising a first and second slide plate disposed in spaced relation to each other and one above the other, means connecting said two slide plates together, the latter being adapted to receive the fastener prongs therebetween, said first slide plate possessing lateral guides for guiding the fastener prongs parallel to the slide plates and said second slide plate serving to guide fastener prongs

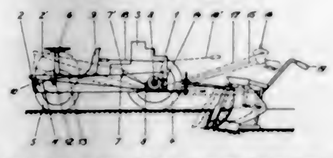
perpendicularly to said slide plates, a part of said second slide plate being mounted rotatably relative to said first slide plate, said rotatable part of the second slide plate being in the form of a ring, the exterior diameter of said ring being at least equal to the length of the second slide plate, and a pulling member attached to said ring, whereby said pulling member, when operated, acts on the most favorable point of the sliding member, preventing tilting thereof.

2,237,936
RADIO ANTENNA
Alexander H. Jackson, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blaw-Knox, Pa., a corporation of New Jersey
Application July 29, 1939, Serial No. 287,261
2 Claims. (Cl. 250—33)



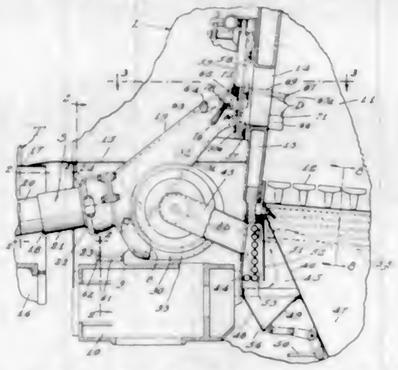
1. An antenna structure for use in wireless transmission of signals comprising an open structural metal tower of generally pyramidal form having corner supports and diagonal and transverse bracing, upwardly and outwardly extending supporting arms at the top of the pyramidal tower forming offset extensions of the top of the tower, a structural metal frame at the top of said extensions, supporting insulators on said frame, a platform resting on said supporting insulators, a hold-down insulator connected with the frame and with the tower structure and a transverse radiator mounted on and carried by the platform.

2,237,937
TRACTOR
Josef Kales, Stuttgart, Germany, assignor to Dr. ing. h. c. S. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application April 8, 1939, Serial No. 266,737
In Germany April 20, 1938
13 Claims. (Cl. 180—12)



1. A tractor comprising, in combination, a pair of separable frame units, a running wheel and steering means for said wheel mounted on one of said units, a source of power, means for controlling said source of power, a pair of wheels and means interconnecting said wheels with said source of power all mounted on the other unit, and means for releasably, rigidly interconnecting said units.

2,237,938
STOKER
Paul A. Ketchpel, Bergenfield, N. J., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application September 15, 1937, Serial No. 163,929
4 Claims. (Cl. 110—105.5)



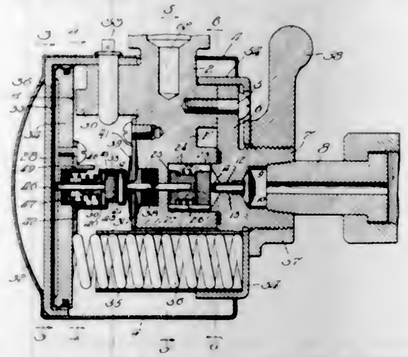
1. In a furnace having a grate and an ash compartment therebeneath, a stoker for supplying fuel over said grate comprising a discharge conduit leading from a source of fuel and communicating with said furnace, means for generating an air stream in said conduit for propelling fuel toward the furnace, means providing a passage for supplying air from said ash compartment to said first named means, and a heating device in said passage intermediate said ash compartment and said first named means for heating the air passing from said ash compartment to said first named means.

2,237,939
TRUSS
Nicholas D. Klein, Davenport, Iowa
Application October 6, 1939, Serial No. 298,188
1 Claim. (Cl. 128—126)



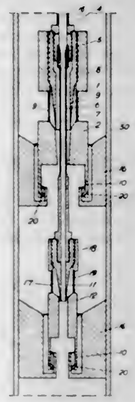
In a truss of the character described, a pad structure including a pad body, a plate secured to said pad body having a tubular end portion, a pin extending through said tubular end portion, a spring structure surrounding said pin, said spring structure having a loop, a rotatable threaded member carried by said plate and a traveling nut mounted on said threaded member provided with a groove, said loop being adapted to fit into said groove whereby when said threaded member is rotated the tension of said spring structure will be varied.

2,237,940
PRESSURE REGULATING DISPENSING VALVE
Alphonso L. Koenig, Chicago, Ill.
Application October 15, 1938, Serial No. 235,186
13 Claims. (Cl. 50—23)



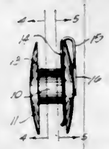
1. A pressure regulator having an inlet and a larger outlet, an inwardly-opening check valve for said inlet, means to discharge fluids in the form of a jet through the outlet; a fluid-pressure responsive actuator; means interposed between said check valve and the actuator to transmit pressure to the valve to close the same, said means including a spring that permits the actuator to move a limited distance after the check valve is closed; and means for imposing on the actuator pressure determined by the pressure in the outlet around but not in the path of the said jet.

2,237,941
HIGH VACUUM PUMP HAVING VAPOR JET NOZZLES
Uno Lamm, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application January 18, 1939, Serial No. 251,477
In Sweden January 22, 1938
8 Claims. (Cl. 230—104)



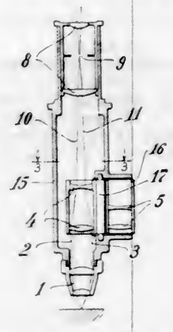
1. A high vacuum vapor jet pump made of metal and comprising a casing and at least one pair of cooperating nozzles therein coaxial with each other and with said casing, one of said nozzles delivering a vapor jet into the other, a downwardly projecting cylindrical extension on said latter nozzle, and a ring secured to said casing forming an annular groove embracing said cylindrical extension and forming a liquid seal therewith.

2,237,942
RINGLET CURLER
Zack Lemley, Denver, Colo.
Application June 24, 1940, Serial No. 342,088
9 Claims. (Cl. 132—40)



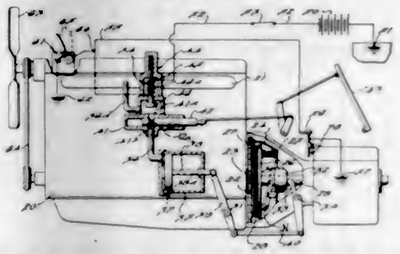
1. A hair curler comprising; a relatively flat, wide-flanged spool of soft, elastic material; consisting of a stem portion with button-like extremities thereon, and means for clamping the tip extremity of a strand of hair against said stem portion.

2,237,943
INTERMEDIARY OPTICAL SYSTEM FOR MICROSCOPES
Erwin Lihotzky, Wetzlar, Germany, assignor, by mesne assignments, to Frank Dumur, Lausanne, Switzerland
Application July 12, 1939, Serial No. 284,000
In Germany July 16, 1938
1 Claim. (Cl. 88—39)



In a microscope consisting of a microscope tube, an ocular and an objective therein, means for magnifying the image of an object to a degree different from the magnification formed by said objective alone, said means comprising a shaft journaled in the wall of said microscope tube at a point between said ocular and objective, a housing secured to said shaft, a plurality of intermediary optical systems carried by said housing, the optical axes of said systems being parallel to the optical axis of the microscope, each of said optical systems consisting of at least two optical elements separated by an air space, one of the optical elements in each of said systems having a relatively high negative refractive power compared with the sum total of all of the refractive powers of the optical elements in each of said systems, said housing being rotatably movable with said shaft whereby to selectively move any one of said plurality of optical systems into coincidental axial alinement with the optical axis of said microscope.

2,237,944
CLUTCH CONTROL MECHANISM
Paul H. Maurer, Birmingham, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 19, 1937, Serial No. 154,356
5 Claims. (Cl. 192—.01)



1. In a motor vehicle having an engine with an intake manifold, a clutch, a transmission and a fan driven by the engine; a clutch control mechanism comprising a clutch operating vacuum cylinder operatively connected with said manifold, an electric circuit including a source of electric energy, a solenoid controlled valve electrically connected to said source and adapted to control the connection between said manifold and said cylinder, and a switch operated by the air stream produced by the fan, said switch being electrically connected to said source and to said solenoid controlled valve and being adapted to be closed when the vehicle is being operated below a predetermined speed, thereby completing the circuit and energizing said solenoid controlled valve.

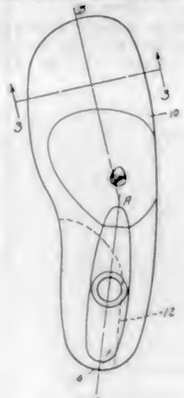
2,237,945
OVERCORRECTIVE SHOE FOR TALIPES VARUS
William O. Minor, Atlanta, Ga., assignor to Dorothy C. Minor, Atlanta, Ga.
Application July 24, 1939, Serial No. 286,061
2 Claims. (Cl. 36—8.5)



1. An overcorrective shoe for talipes varus having the forward portion abducted, the inner foot receiving surface of the forepart of the sole being inclined upwardly and outwardly with respect to the undersurface of the shoe and that of the heel portion being substantially level, and the ankle axis having a substantial inclination forwardly with respect to the center line of the rear portion of the shoe.

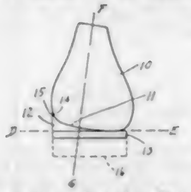
2,237,946
OVERCORRECTIVE SHOE FOR TALIPES VARUS
William O. Minor, Atlanta, Ga., assignor to Dorothy C. Minor, Atlanta, Ga.
Application July 27, 1939, Serial No. 286,745
1 Claim. (Cl. 36—8.5)

An overcorrective shoe for talipes varus having the forward portion materially abducted, having the interior foot bearing surface of the forward part substantially parallel with the plane of the undersurface of the outsole, and the interior foot



bearing surface of the heel portion upwardly and outwardly inclined with respect to said plane.

2,237,947
OVERCORRECTIVE SHOE FOR DEFORMED FEET
William O. Minor, Atlanta, Ga., assignor to Dorothy C. Minor, Atlanta, Ga.
Application August 7, 1939, Serial No. 288,717
1 Claim. (Cl. 36—8.5)



An overcorrective shoe for flat-feet having the horizontal axis of the forepart inclined inwardly at an acute angle to the horizontal axis of the rear portion, having the interior foot bearing surface of the forward part substantially parallel with the plane of the undersurface of the outsole, and having the interior foot bearing portion of the heel portion inwardly and upwardly inclined with respect to said plane.

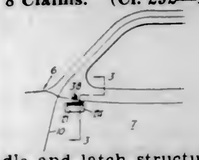
2,237,948
SIZE GUIDE FOR PRESSING MACHINE COVERS
John Muserlian, New York, N. Y.
Application March 16, 1939, Serial No. 262,112
1 Claim. (Cl. 38—2)



In combination with a pressing board or the head of a pressing machine, a plurality of brackets adapted to be attached thereto, a pair of clamping arms mounted on each bracket, means for urging said arms into operative positions, and

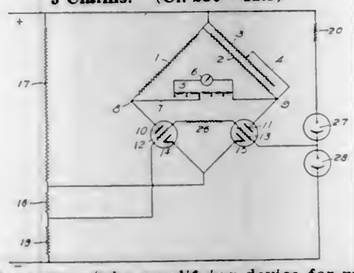
a rule scale having flanges engageable by said arms for being adjustably supported by said arms, said means comprising a member engageable between the adjacent inner edges of said arms and movable towards the free ends thereof for spreading said arms against the inner face of the flanges of said scale.

2,237,949
HANDLE
Allan Palmer, San Francisco, Calif.
Application June 11, 1937, Serial No. 147,683
8 Claims. (Cl. 292—165)



1. A handle and latch structure comprising a support, a panel mounted on said support for movement into a position facilitating concurrent grasping of said panel and support, a latching mechanism on said support, and a lost-motion connection between said panel and said latching mechanism.

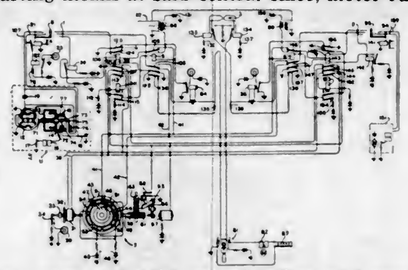
2,237,950
DIRECT CURRENT AMPLIFIER
Orrin Weston Pineo, Milo, Maine, assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 19, 1940, Serial No. 324,766
3 Claims. (Cl. 250—41.5)



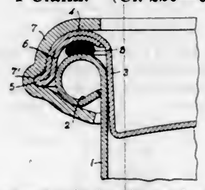
2. A vacuum tube amplifying device for measuring differential photocell currents comprising in combination a plurality of photocells and a load resistor, a four arm bridge of which two of the arms are resistances and two arms thermionic vacuum tubes, a source of direct current potential applied across the bridge, current measuring means across the midpoints of the bridge, means for applying an operating grid bias to both grids from the same point, and means for applying a difference voltage from the photocells between the two grids.

2,237,951
MOTOR CONTROL AND PHASING
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 3, 1937, Serial No. 151,827
13 Claims. (Cl. 172—275)

1. In a motor control system, a substation motor, a central office, a line connecting said substation to said central office, means comprising a starting circuit at said substation and a line conductor for starting said motor, means comprising a running circuit at said substation and a line conductor for running said motor after starting, means at said substation responsive to the speed of the motor for changing from said starting means to said running means, motor starting means at said central office, motor running means at said central office, and means at the central office responsive to revolution counting means at said central office for changing from said starting means to said running means.



2,237,952
LEAKPROOF COVER AND RING SEAL
Charles F. Smith, Martins Ferry, Ohio
Application June 4, 1938, Serial No. 211,891
1 Claim. (Cl. 220—61)

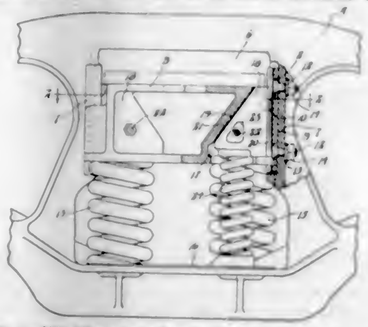


A metal receptacle having a bead encircling its open end, a removable cover for said receptacle provided with a peripheral cup-shaped skirt extending over said bead and having a backwardly folded wall portion forming a peripheral spring-flap member and defining a folded free edge portion, said folded free edge portion extending downwardly along the outer periphery of said bead and curved outwardly forming a peripheral out-turned flange, a resilient sealing ring disposed between said spring-flap member and bead, and a clamping ring means engaging around said bead and peripheral skirt cover section and having a circumferential groove therein adjacent the mid-portion thereof, said groove receiving said out-turned flange and in interlocking engagement therewith, said groove being so shaped and positioned with respect to the outwardly extending flange and bead that when in clamped position an upward force is exerted on the bend of the outwardly turned flange and increased tension is exerted on the spring-flap member tending to spring it away from the adjacent portion of the skirt and place the resilient sealing ring under constant spring tension, thereby tightly sealing the resilient ring against the bead at all times.

2,237,953
STABILIZED TRUCK
Edwin W. Webb, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application July 22, 1940, Serial No. 346,879
5 Claims. (Cl. 105—193)

1. In a car truck, a side frame having bolster columns of arcuate horizontal cross section defin-

ing a bolster opening, said columns being cylindrically disposed about a common vertical axis, a bolster received between said bolster columns, and stabilizing wedges interposed between said bolster and said columns, said wedges having surfaces of arcuate shape in horizontal cross section coop-



erating with the arcuate surfaces of said columns, and said wedges having freedom for limited lateral motion relative to said columns, bolster springs supporting said bolster from said side frame and stabilizing springs supporting said stabilizing wedges from said side frame.

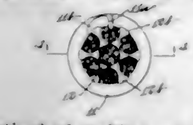
2,237,954

NASAL FILTER AND INHALER

William R. Wilson, Minneapolis, Minn.

Application June 30, 1939, Serial No. 282,094

8 Claims. (Cl. 128—148)



1. The method of making a nasal filter which consists in arranging a strip of flexible material adapted to take variable shape in the form of a ring, preparing a pair of reticulated retention partitions constructed from thin flexible and elastic material, securing said partitions across the top and bottom edges of said strip respectively to form in conjunction with said strip a compartment for retaining filter material, and adjustably and frictionally interconnecting the ends of said member to form a circumferentially adjustable ring.

2,237,955

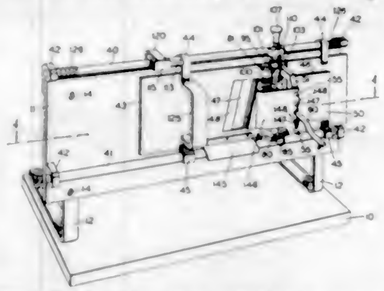
FOOD HANDLING APPARATUS

Herald P. Arnt, Sr., Litchfield, Mich., assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application May 20, 1938, Serial No. 209,111

14 Claims. (Cl. 146—78)

1. In a slicing machine of the character described, hopper means provided with a discharge opening, supporting means for said hopper means, a slicing knife carried by said supporting means in operative relation to said discharge opening, a scoring knife carried by said supporting means in a plane substantially perpendicular to the plane of said slicing knife, said supporting means providing for relative reciprocating movement between said hopper means and said slicing and scoring knives to provide a cutting stroke and a return stroke for said knives relative to said discharge opening, means supporting said scoring knife for movement from a cutting to a noncutting position relative to said discharge opening, said scoring knife being adapted to move to the noncutting position during said



return stroke, and means operable by the relative reciprocating movement between said hopper means and said scoring knife for moving said scoring knife into said cutting position for said cutting stroke.

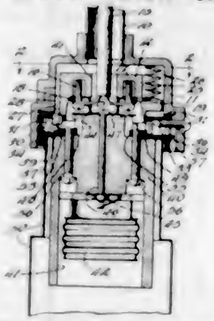
2,237,956

ELECTRIC FIXTURE

George Arras, Chicago, Ill.

Application August 26, 1939, Serial No. 292,053

11 Claims. (Cl. 173—358)



1. A fixture connection comprising relatively movable parts, one insertable in the other, a locking ring with edge recesses movable in one part, a locking plate having projections to engage in the recesses rotatable on the other part, and means on one part interengaged with means on the second part by the insertion and movement of one part in the other for interlocking the plate and the ring.

2,237,957

AGITATOR MULLER

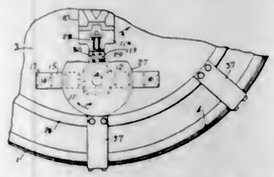
Alfred C. Christensen and Barney Castor, Chicago, Ill., assignors to Herbert S. Simpson, Chicago, Ill.

Original application June 22, 1939, Serial No. 280,605. Divided and this application September 28, 1939, Serial No. 296,970

1 Claim. (Cl. 259—102)

In a mixer, in combination, a mixing pan, a mixing assembly therein, means for causing said assembly to revolve in an orbital path in said pan, a friction gear mounted on said mixing assembly, a stationary driving rim concentric with said orbital path and located outwardly thereof, said friction gear frictionally engaging with said driving rim whereby said mixing assembly is

rotated on its own axis as it is revolved in said orbital path, and means yieldingly urging said



friction gear into engagement with said driving rim.

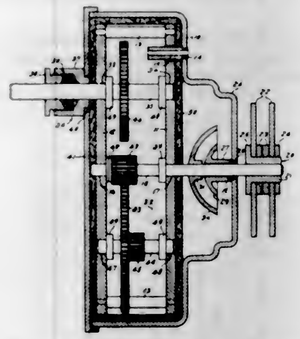
2,237,958

CLOCK LUBRICATING AND SILENCING DEVICE

William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana

Application February 14, 1938, Serial No. 190,377

9 Claims. (Cl. 74—606)



1. In a lubricating and silencing structure for mechanisms, a casing having a chamber with mechanism including rotatable elements, and a layer of combined lubricant-conveying and sound-muffling material completely surrounding said chamber whereby to simultaneously convey lubricant from a portion of said casing to substantially all of said rotatable elements and also to muffle the sound of said mechanism.

2,237,959

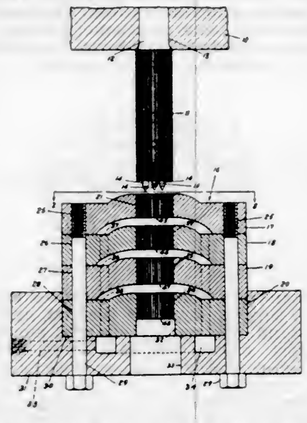
BROACHING MACHINE FOR GEARS

William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana

Original application March 15, 1937, Serial No. 130,940. Divided and this application July 5, 1938, Serial No. 217,449

4 Claims. (Cl. 90—8)

1. A machine for producing gear wheels comprising a plurality of die members with corrugated apertures arranged in succession, the apertures being successively configured to remove a part only of each gear tooth portion by a given die member, and a punch having plural aligning members adapted by mere engagement thereof with guide holes in the gear wheel blank to guide the tooth portions of the gear wheel blank in rectilinear paths during the formation thereof, means for spacing the working surfaces of at least two of said dies from each other to form a circular space between said dies, a closed passageway communicating with said space at one end of



said passageway and having means at its other end for connection to a source for removal of the die cuttings.

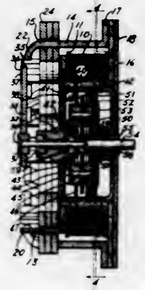
2,237,960

SLOW SPEED MOTOR

William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana

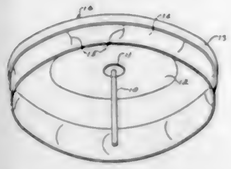
Application February 24, 1939, Serial No. 258,125

4 Claims. (Cl. 172—278)



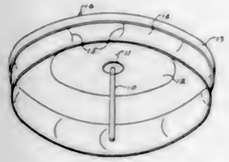
1. In a motor with an annular field winding, a magnetic field structure therefor comprising a magnetic cylinder which fits the interior of said winding and is provided with a radial flange extending outwardly as far as the outer periphery of the coil, inner pole pieces extending axially outward from the peripheral boundary of said flange and forming an annular outline, a magnetic cylinder surrounding the exterior of said winding, and outer pole pieces extending axially outward from the last mentioned cylinder to form an annular outline which is external to the inner pole piece outline, and a shading ring having apertures which fit over only each alternate inner pole piece and each alternate outer pole piece, said outer pole pieces being bent into circular alignment with the inner pole pieces after the shading ring had been placed into position whereby the bent pole pieces serve to maintain the shading ring in its proper vertical position.

2,237,961
ROTOR
William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana
Application July 3, 1939, Serial No. 282,719
4 Claims. (Cl. 172—120)



1. A rotor for synchronous motors comprising a shaft, a support mounted thereon, and a cylindrical band of magnetic material mounted on said support coaxial with said shaft, said band having spaced relatively narrow incisions therein, said incisions being of approximately U-shaped form and having the legs of the incisions extending along the direction of rotation of the rotor.

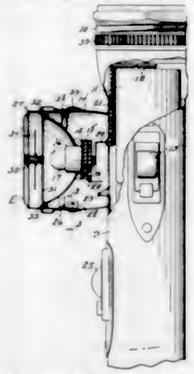
2,237,962
METHOD FOR MAKING MOTOR ROTORS
William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana
Original application July 3, 1939, Serial No. 282,719. Divided and this application April 15, 1940, Serial No. 329,696
5 Claims. (Cl. 172—120)



1. In a process of making a rotor, forming spaced transverse incisions in a strip of magnetic material while striking up portions of the strip adjacent said incisions, and bending the struck-up portions back into alignment with the remainder of the strip.

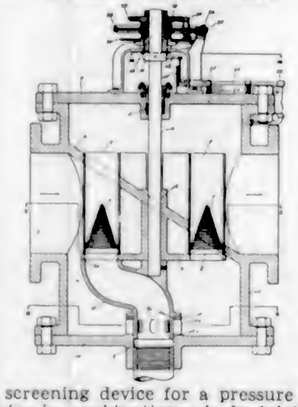
2,237,963
COMBINED FLASHLIGHT AND COMPASS
Lloyd E. Hawks, Ann Arbor, Mich.
Application March 18, 1939, Serial No. 262,690
3 Claims. (Cl. 240—6.4)

1. In combination with an electric flashlight having a casing adapted to receive a source of electrical energy and illuminating means carried on one end thereof, of a direction indicating means comprising a housing carried by said casing and extending at substantially right angles thereto, illuminating means within said housing, a traversing head mounted on said housing, said head including a compass indicating dial and needle adapted to be illuminated by said means, a spring-like member carried by said housing and having one end thereof projecting through said housing, and means comprising vertically disposed notches formed in said traversing head adapted to be contacted by said spring to provide an audible clicking device as said head is



rotated on said housing when setting said compass.

2,237,964
SCREEN CLEANING MEANS
Thomas E. Haught, Boldman, Ky.
Application November 1, 1938, Serial No. 238,146
3 Claims. (Cl. 210—167)



1. A screening device for a pressure pipe line comprising in combination, a body, inlet and outlet means for connecting said body into a pipe line, a divisional wall in said body between said inlet and outlet means, a plurality of screens in a zone of said divisional wall, a purge outlet connection on the inlet side of said wall, an offset purge funnel revolubly mounted on the inlet side of said wall with its funnel end in close cooperative relationship with said wall and the opposite end connected with the purge outlet, means for revolving the funnel into consecutive close registration with said screens and intermittently operative purge valve means for the inlet side of said body operable by said funnel revolving means only while the funnel is passing from one screen to the next.

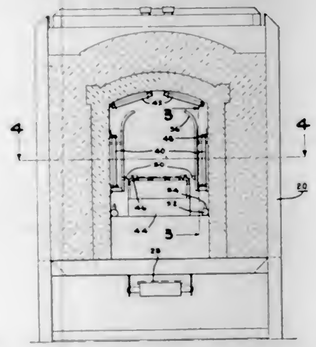
2,237,965
STRUCTURAL STEEL TOWER
Arthur Kendrick, Dallas, Tex., assignor of one-half to Dee E. Humphrey, Dallas, Tex.
Application March 19, 1938, Serial No. 196,849
1 Claim. (Cl. 189—13)

A derrick construction comprising a plurality of prefabricated and individually rigid panels having welded constituents, the latter comprising girts arranged to span the legs of a derrick and to be bolted thereto, major diagonals having extensions defining a substantially V-shape, a



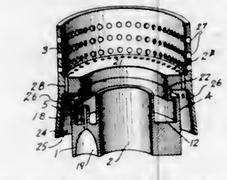
horizontal brace formed integrally with and extending from one to the other of said major diagonals and a pair of minor diagonals connecting said major diagonals and said girt, said panels being arranged in vertical joined relationship on said legs to complete the frame of said derrick.

2,237,966
HEAT TREATING APPARATUS
Roland P. Koehring, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 9, 1938, Serial No. 206,727
2 Claims. (Cl. 266—5)



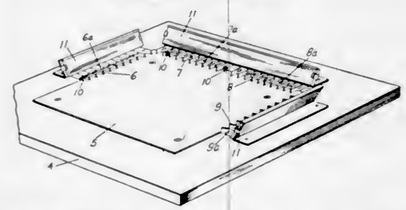
1. A continuous heat treating furnace comprising in combination, a furnace chamber, means for heating said chamber disposed adjacent the walls thereof, a continued conveyor support for the charge to be heated within the furnace for moving the charge through the furnace, said support comprising an open work structure for permitting free circulation of the furnace atmosphere therethrough, a baffle plate between said support and said heating means for forming a restricted passage with the wall of the furnace, said passage containing the heating means and having free ingress and egress to said chamber, and means for continuously introducing small quantities of controlled atmosphere gas under high velocity into said passage between said baffle and the wall of said chamber for causing the atmosphere within said chamber to be circulated due to the entrainment of the atmosphere within said furnace by the introduced gas, thereby causing the temperature within the chamber to be substantially equal throughout the chamber due to circulation thereof.

2,237,967
OIL BURNER
Louis La Branche, Dayton, Ohio
Application March 6, 1939, Serial No. 260,051
7 Claims. (Cl. 158—91)



1. In a hydrocarbon fuel burner, a combustion section including an annular fuel receiving channel, a fuel supply conduit communicating therewith, a chimney section of greater diameter than the combustion section superposed thereon, an internal bottom flange in the chimney section extending beyond the combustion section, a dependent skirt on the chimney section enclosing an air space surrounding the combustion section, said combustion section having therein a series of air ports communicating with said enclosed air space, the interior bottom flange of the chimney section having therein a series of air ports also communicating with the said enclosed air space surrounding the combustion section, and said chimney section having in its side walls a plurality of air ports, the construction and arrangement being such that the interior capacity of the burner structure in spaced relation above the zone of combustion inception is substantially increased and the air supply thereto also increased by successive additional amounts in relatively small increments with relation to the increased volume of products of combustion.

2,237,968
DEVICE FOR CODING AND DECODING BUSINESS SURVEY CARDS
Loris C. Moore, Columbus, Ohio
Application August 19, 1939, Serial No. 291,064
2 Claims. (Cl. 35—2)



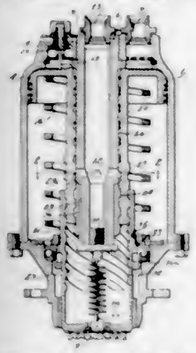
1. A device for use in coding and decoding cards or the like comprising a plate upon which the card is adapted to be positioned, said plate being provided with notches in the edges thereof which the corresponding edges of the card will overlie, said notches being adapted to receive a pen or other member to be used in marking the edges of the card, said notches being provided with identifying symbols.

2,237,969
CUSHIONED MOP HANDLE
Georgia M. Olsen, Caldwell, Idaho
Application August 25, 1938, Serial No. 226,673
1 Claim. (Cl. 15—143)



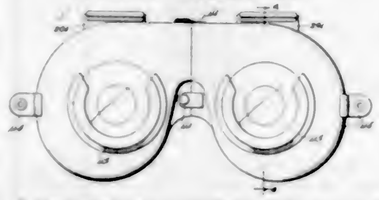
A removable covering for the handle of a mop, broom or the like comprising a tubular sheath of resilient material, said sheath being of uniform diameter and of uniform thickness throughout to snugly fit said handle and of a length coextensive with the latter, the upper end of said sheath being closed and of a diameter greater than the diameter of the major portion of the sheath but of the same thickness as the latter forming a knob-like head, a rubber mass within said head completely filling the same and permanently united thereto.

2,237,970
STARTING DEVICE, PARTICULARLY FOR INTERNAL COMBUSTION ENGINES
Wilhelm Pabst, Hamburg, Germany
Application June 10, 1938, Serial No. 213,104
In Germany June 25, 1937
3 Claims. (Cl. 121—37)



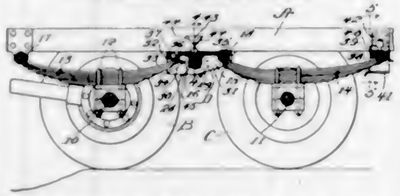
1. In a starting device of the kind described, a cylindrical casing having a fixed end, a centrally disposed hollow cylindrical guide shaft fixed at one end to the center of the fixed end and projecting toward the opposite end of the cylinder, steeply pitched spiral threads on the free end portion of the exterior of the guide shaft, a piston fitting in said cylinder and having an elongated hub forming a sleeve, said sleeve having internal grooves engaging said threads, a driven shaft actuated by the movement of said sleeve, said guide shaft having a smoothly cylindrical portion extending from the fixed head to said threaded portion to effect smooth guidance of the piston and to prevent escape of gas between the piston and sleeve, and means to limit movement of the piston by pressure of fluid admitted between the fixed head and piston and comprising ports in said guide shaft opening into the hollow interior thereof, said ports being uncovered by said piston adjacent the end of the stroke thereof.

2,237,971
TEMPERATURE CONTROLLING BAG
Valerie B. Padelford, Washington, D. C.
Application May 13, 1938, Serial No. 207,818
2 Claims. (Cl. 150—2.3)



1. A temperature controlling device comprising a chambered body of flexible material extending from one side of the face of the wearer to the other and having openings for the eyes, the lower edge being below but adjacent the eyes and having a portion of the chambered body at the lower edge of the forehead and the upper end of the nose bridge, the body having its upper portion in contact with the lower central portion of the forehead, the device being in separable symmetrical halves corresponding to the sides of the face with the heat conducting surfaces of the halves in close proximity to each other, the heat transfer surfaces of the halves coming together at the abutting line.

2,237,972
EQUALIZING DEVICE
Frank Prazen, Price, Utah
Application January 24, 1940, Serial No. 315,416
1 Claim. (Cl. 280—104)

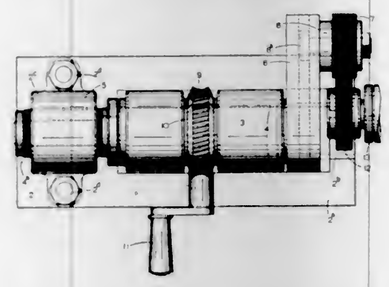


The combination with a frame of an automobile, tandem arranged springs in longitudinal alinement and having their adjacent ends spaced apart, a drive axle secured to the forward spring in rear of a central point thereof, a pivotal connection between the forward end of the spring and the frame, a rocker member pivoted to the frame intermediate the ends of the springs and having a short arm slidably engaging the rear end of the forward spring, a pivotal connection between the long arm of the rocker member and the forward end of the rear spring, a sliding connection between the rear end of the rear spring and the frame, an axle secured to the rear spring forward of a central point thereof, and wheels carried by said axles.

2,237,973
PROCESS OF MAKING LIME ROSIN
Robert E. Price and Ismond E. Knapp, Picayune, Miss., assignors to Crosby Naval Stores, Incorporated, Picayune, Miss., a corporation of Mississippi
No Drawing. Application February 29, 1940, Serial No. 321,568
12 Claims. (Cl. 260—105)

1. In a process for liming rosin with the aid of heat, that improvement which comprises reacting slaked lime with rosin in the presence of an initiating agent which consists of a small amount of added water.

2,237,974
MEANS FOR FORMING GRINDING WHEELS FOR USE IN GRINDING INTERNAL SCREW THREADS
John Ernest Wainwright, Coventry, England, assignor to Coventry Gauge & Tool Company Limited, Coventry, England, a company of Great Britain
Application November 14, 1939, Serial No. 304,431
In Great Britain November 8, 1938
4 Claims. (Cl. 125—37)

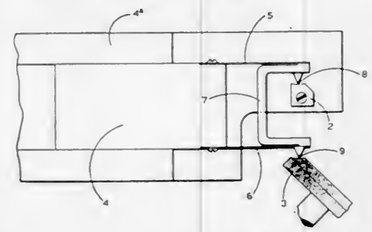


3. Dressing apparatus for forming the operative surfaces of grinding wheels used for grinding internal screw threads comprising a normally stationary member, a shaft rotatably journalled therein and provided with a threaded portion, an internally threaded stationary sleeve receiving said threaded portion and transmitting axial movement to said shaft during rotary movement thereof, an arm carried by said shaft for rotation therewith, and a crushing roller carried by said arm to swing therewith about the axis of said shaft in operative engagement with a work piece.

2,237,975
APPARATUS FOR DRESSING OR FORMING GRINDING WHEELS USED FOR GRINDING OR FINISHING GEAR TEETH
John Ernest Wainwright, Coventry, England, assignor to Coventry Gauge & Tool Company Limited, Coventry, England
Application July 11, 1940, Serial No. 344,990
In Great Britain November 10, 1938
6 Claims. (Cl. 125—11)

6. Apparatus of the character and for the purposes described comprising a stationary gear member, a plate mounted for oscillation about the center thereof, a dressing tool mounted on said plate for rectilinear movement relative thereto, actuating means carried by said plate in mesh with said gear member to cause oscillation of said plate, and means carried by said plate in mesh with said actuating means and operatively connected to said dressing tool to cause rectilinear movement of said tool during oscillation of said plate.

2,237,976
APPARATUS FOR FORMING OR DRESSING GRINDING WHEELS FOR USE IN FORM-GRINDING OPERATIONS
John Ernest Wainwright, Coventry, England, assignor to Coventry Gauge & Tool Company Limited, Coventry, England
Application July 11, 1940, Serial No. 344,991
In Great Britain November 8, 1938
3 Claims. (Cl. 125—11)

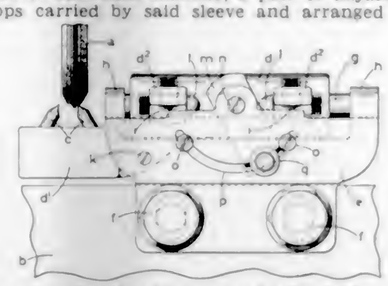


3. Apparatus for forming or dressing grinding wheels comprising a slide, a pair of relatively spaced parallel spring arms fixedly attached at their corresponding stationary ends to said slide, a stylus mounted adjacent the free end of one of said arms for movement therewith, a dressing tool mounted adjacent the free end of the other of said arms for movement therewith, and means extending between and rigidly connecting the free end portions of said arms to produce simultaneous equal movement of said stylus and dressing tool.

2,237,977
APPARATUS FOR FORMING OR DRESSING THE OPERATIVE SURFACE OF GRINDING WHEELS
John Ernest Wainwright, Coventry, England
Application September 3, 1940, Serial No. 355,248
In Great Britain December 23, 1938
5 Claims. (Cl. 125—11)

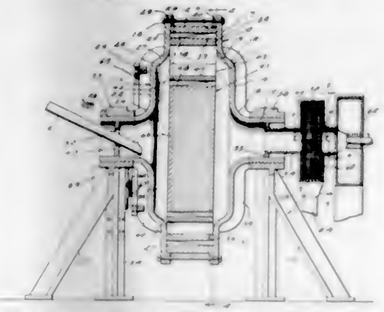
1. Apparatus for forming and dressing the operative surfaces of grinding wheels comprising a base member adapted for adjustable attachment to the bed of the grinding machine, a pivot pin carried by said base member, a sleeve mounted for angular and axial movements on said pin, a radially projecting arm on said sleeve, a pair of dressing tools carried by said arm, a bar piv-

oted in said base member, a pair of adjustable stops carried by said sleeve and arranged one



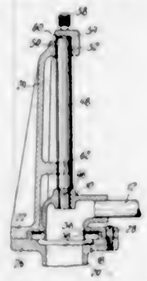
at each side of said bar, and adjustable stops for limiting the angular motion of said sleeve.

2,237,978
PULVERIZER
Verner S. Wall, Mount Union, Pa.
Application August 24, 1939, Serial No. 291,741
4 Claims. (Cl. 83—9)



1. In a pulverizing mill, a revoluble housing including an annular body and a pair of oppositely disposed axially apertured heads having integral therewith outwardly directed trunnions merging into the edges of the apertures of said heads, said heads being formed with inset outer parts abutting the ends of and detachably secured to said body, said heads and body correlating to provide a grinding chamber having outer and inner coaxially arranged portions, said outer portion being of reduced width with respect to said inner portion, an annular wear member abutting against the inner faces of said inset outer parts inwardly of said body and having its inner face providing a grinding surface disposed in said reduced outer portion in proximity to said inner portion, oppositely disposed wedges for maintaining said body and member in spaced relation, an upstanding revoluble solid circular weight of disc-like form loosely disposed within said inner portion, spaced from said heads and aligning with and being substantially of a thickness corresponding to the width of said reduced portion, an inner annular grinding element encompassing in spaced relation the edge of said weight and opposing said member, oppositely disposed wedges between the inner face of said element and the edge of said weight for maintaining said element in spaced relation to said edge and to provide for said element and weight bodily revolving, and said inner element being provided on its outer face with spaced parallel teeth transversely of such face and flush with its side edges, said teeth being encompassed by said member and certain of them extending into the lower part of said reduced portion of said chamber and engaging said member for maintaining said weight upright and spaced from said heads.

2,237,979
SPRAYING DEVICE FOR DISHWASHING MACHINES
Tord Erik Daniel Bilde, Ulvsunda, Sweden, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application February 14, 1940, Serial No. 318,927
In Sweden June 29, 1938
3 Claims. (Cl. 299—71)

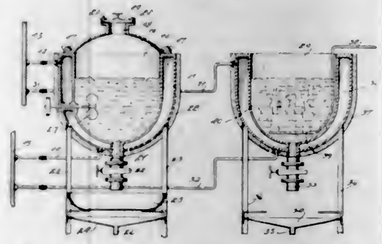


2. A spraying device for dishwashing machines including a stationary supply pipe for spraying liquid under pressure, said pipe having a recess at one end, a movable spay member having angularly disposed inlet and outlet portions, the inlet portion being in alignment with said pipe and extending into said recess, spray means connected to said outlet portion, said recess having a shoulder upon which said inlet portion is arranged to rest, a displaceable disc packing in said recess through which said inlet portion extends, said packing being positioned to provide a liquid tight seal between the supply pipe and the spray member, a bracket on said pipe adjacent the recess and extending above said spray member, said bracket having a shoulder co-acting with said recess to provide a housing for the packing, said spray member having a shaft projecting upwardly therefrom, said bracket comprising bearing means engaging said shaft to permit rotatable and axial movement of the spray member, said spray member normally resting on said pipe and arranged to be raised by the pressure of the liquid to expose the packing to the liquid pressure in order to move the packing tightly against the upper wall of the housing, and means for detachably connecting said shaft to said bracket.

2,237,980
MANUFACTURE OF OPTICALLY ACTIVE MENTHONES AND MENTHOLS
John William Blagden and Walter Edward Huggett, Ilford, England
No Drawing. Application May 20, 1939, Serial No. 274,838. In Great Britain May 26, 1938
20 Claims. (Cl. 260—587)

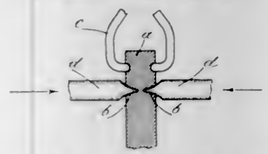
1. A process for converting laevo-piperitone in optically active hydrogenation products thereof without appreciable racemisation, which comprises hydrogenating the laevo-piperitone at a temperature below about 140° C. in the presence of a hydrogenation catalyst having a reaction corresponding with a pH-value between 5 and 10 as determined by extraction of the catalyst with water and measurement of the pH-value of the extract water.

2,237,981
PROCESS FOR PRODUCING MAPLE FLAVORING EXTRACT
Clayton J. Ellis, Middlebury, and Ambrose H. Donaldson, Burlington, Vt.; said Ellis assignor to said Donaldson
Application February 7, 1940, Serial No. 317,748
3 Claims. (Cl. 99—142)



1. In a process of producing maple flavoring from ground maple wood, steeping the ground wood in water, removing the water and adding fresh water to the steeped ground wood, boiling the mixture of fresh water and wood under pressure in excess of atmospheric pressure, separating the liquid from the boiled mixture, and concentrating the separated liquid while simultaneously aerating the same.

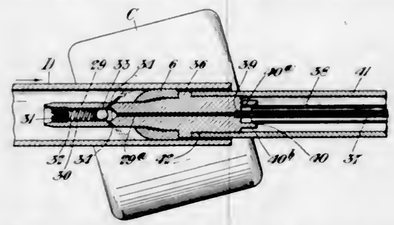
2,237,982
METHOD OF TEMPERING GLASS
Edoardo Ferlito, Milan, Italy
Application December 16, 1937, Serial No. 180,084
In Italy September 25, 1937
4 Claims. (Cl. 49—79)



1. A method of tempering glass sheets by heating the same to the point of softening and thereafter cooling which comprises, dividing the sheet into a marginal portion and a body portion by reducing the thickness thereof along an area extending completely thereacross, leaving both portions at their original thickness, thereby providing a weakened area extending across said sheet, gripping and suspending the sheet by the marginal portion during tempering, and severing the marginal portion from the body portion after the tempering operation at said weakened area, whereby to separate from the body portion of the original sheet the marginal portion thereof which may have become distorted during the tempering operation.

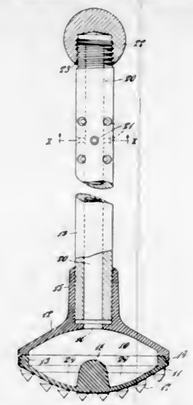
2,237,983
PIPE OR TUBE ROLLING
Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Original application January 21, 1937, Serial No. 121,660. Divided and this application January 13, 1939, Serial No. 250,807
1 Claim. (Cl. 80—13)

In an apparatus for integrally supporting and lubricating tubular blanks while being rolled, a mandrel bar, a plug bar carried on the forward end of said mandrel bar, a flange on the exterior of said plug bar, a hollow mandrel plug mounted on said plug bar with its rearward end in contact with said flange, and means in advance of said mandrel plug for spraying a lubricant into the interior of a tubular blank progressing thereover, said means comprising a tubular extension on the forward end of said plug bar and extending through and projecting from said hollow mandrel



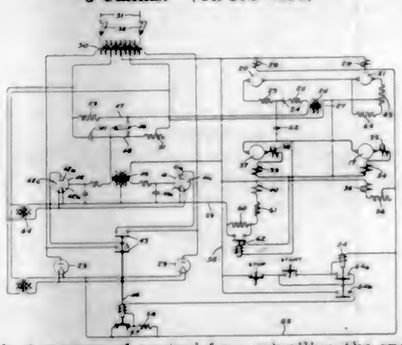
plug, said tubular extension having a valve chamber at a point in advance of the forward end of said mandrel plug, the wall of said tubular extension having at least one aperture communicating with said valve chamber and directed rearwardly towards said hollow mandrel plug, a pressure responsive valve in said valve chamber between said aperture and said hollow mandrel plug, and means for delivering the lubricant under pressure to said valve chamber.

2,237,984
CLEANING AND FUMIGATING DEVICE
Alexander Brown Frame, Kirn, Scotland, and William Johnston Frame, London, England
Application October 11, 1938, Serial No. 234,466
In Great Britain October 18, 1937
6 Claims. (Cl. 15—105)



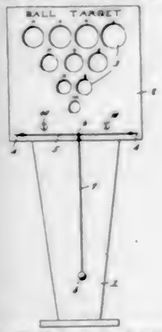
1. A scouring device of the character specified which includes a scouring member comprising a readily flexible and distortable hollow body element formed of a resilient material which allows collapse and deflation of said body and also renders said body self-inflatable, a rigid manipulating handle mounted on said body having a bore in permanent communication with the interior of said body, the walls of said body being otherwise imperforate and the handle being formed with at least one opening providing permanent free communication between said bore and the outer atmosphere.

2,237,985
CONTROL SYSTEM
George W. Garman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 23, 1939, Serial No. 296,244
3 Claims. (Cl. 172—293)



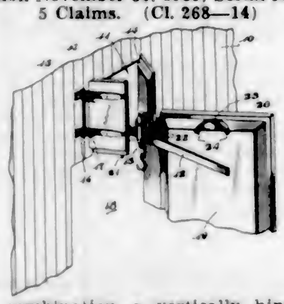
1. A system of control for controlling the speed of an electric motor with respect to a reference speed comprising in combination, means for supplying a potential to operate said motor, an alternating current circuit, means energized from said alternating current circuit for varying the potential of said motor supply means including an electric valve provided with an anode, a cathode, and a control grid, means including a variable reactor for controlling the conductivity of said valve, means for varying the impedance of said reactor including a pair of pilot D. C. generators connected in voltage opposition and driven respectively at speeds proportional to the speed of said motor and to said reference speed, a saturating winding for said reactor connected to receive a current circulated by the D. C. difference voltage of said pilot generators whereby the potential of said motor supply means is varied to control the speed of said motor, and current rectifying means connected in series circuit with said saturating winding for preventing a reversal of current in said saturating winding thereby to prevent false operation of said motor supply means in response to a reversal of the polarity of said D. C. difference voltage.

2,237,986
BALL GAME
Charles F. Gilford, Concord, N. H.
Application February 29, 1940, Serial No. 321,549
2 Claims. (Cl. 273—98)



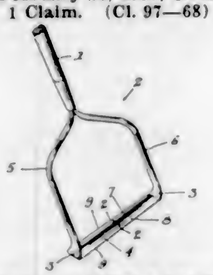
1. In a game of the class described, a support, a track extended transversely of the support and anchored thereon at spaced places, a rider, a flexible resilient member connected to the rider, and a projectile attached to the resilient member, the rider being slidable along the track, between the anchorage places, and the track being resilient throughout its entire length, whereby the track can be flexed away from the support in the shape of a V, when the resilient member is stretched, all portions of the V being resilient, the slidable mounting of the rider on the track effecting changes in the relative lengths of the arms of the V.

2,237,987
DOOR OPERATOR
Vaden Jones Haddaway, Woodlawn, Md.
Application November 30, 1939, Serial No. 306,979
5 Claims. (Cl. 268—14)



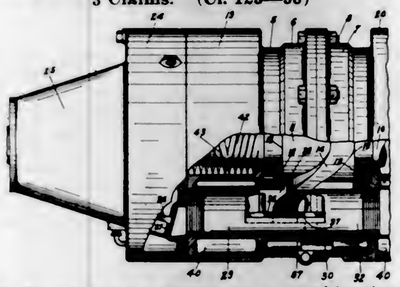
1. In combination a vertically hinged main door for a storage room, an auxiliary door adjacent one end of said main door, said auxiliary door including vertically disposed hinged means, means adapted to normally hold said auxiliary door in an open position, means for limiting the extent of said open position, projecting means secured adjacent the outer lower edge of said auxiliary door and extending adjacent said main door, means for operating said auxiliary door comprising an arcuate groove so formed and positioned in the edge surface of said end of said main door that it will engage said projecting means in a manner whereby the travel of said projecting means in said groove during the operation of said main door will concurrently operate said auxiliary door.

2,237,988
GARDEN TOOL
Hans Halvorsen, Alsask, Saskatchewan, Canada, assignor of one-half to Oscar Halvorsen, Alsask, Saskatchewan, Canada
Application February 20, 1939, Serial No. 257,505
1 Claim. (Cl. 97—68)



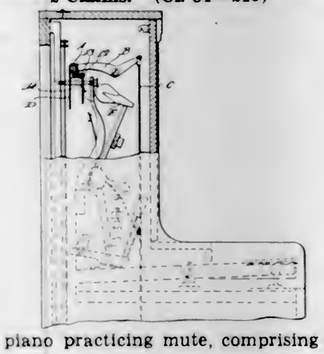
A garden tool comprising a handle, a frame of substantial length and breadth secured to one end of the handle and a blade of substantially triangular cross section secured in the side of the frame opposite the end of the handle and extending substantially the full width of such side, characterized by the fact that the blade is fixed at an angle of between about 30° to 40° to the plane of the frame and the upper faces of the blade are slightly concave.

2,237,989
INTERNAL COMBUSTION ENGINE
Karl L. Herrmann, South Bend, Ind.
Original application October 29, 1938, Serial No. 237,625. Divided and this application May 6, 1940, Serial No. 333,519
3 Claims. (Cl. 123—58)



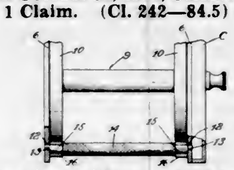
1. In an engine structure, in combination, a shaft, a pair of opposed cylinders arranged approximately parallel to said shaft, a double ended piston received by both said cylinders and formed to provide two axially spaced pairs of approximately semi-cylindrical surfaces spaced from each other axially of said piston and arranged with their open sides in opposed relationship, a cam secured to said shaft and extending radially thereof to a point between said opposed pairs of bearing surfaces, a roller contacting each axial face of said cam, and each of said rollers being provided with oppositely extending trunnions received in the corresponding pair of said bearing surfaces, the construction and arrangement of said cam, rollers, trunnions and bearing surfaces being such that said trunnions are permitted a small degree of movement axially of said piston during reversal of forces thereon whereby to effect a pumping action on lubricant supplied thereto to maintain said bearing surfaces in constantly bathed condition.

2,237,990
PIANO PRACTICING MUTE
James F. Hewlett, Cleveland, Ohio
Application April 10, 1940, Serial No. 328,952
2 Claims. (Cl. 84—219)



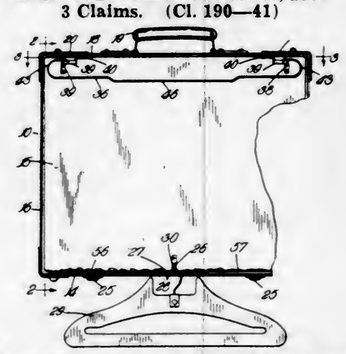
1. A piano practicing mute, comprising a vertically swinging damper bar, slotted brackets carried by the ends of the damper bar, a rod passing through the slots in said bracket, nuts securing the rod in its adjusted position in the bracket, a sound absorbent strip mounted on said rod and extending downwardly between the strings and the hammers of a piano, and means for swinging the damper bar upwardly out of the path of travel of the piano hammers.

2,237,991
FISHING REEL
Emery D. Howe, Coldwater, Mich.
Application October 31, 1939, Serial No. 302,218
1 Claim. (Cl. 242—84.5)



In combination with a reel having spaced heads and a spool rotatably mounted between said heads, a rod fashioned with eccentrically arranged trunnions on the ends thereof with said trunnions rotatably mounted in said heads adjacent said spool, rollers carried by said rod adjacent said trunnions and operable by said rod towards said spool for engagement with the latter to impart a braking action thereto.

2,237,992
TRAVELING CASE
Ernest Norbert Kennedy, London, England
Application November 18, 1938, Serial No. 241,269
In Great Britain November 23, 1937
3 Claims. (Cl. 190—41)



1. A case for the reception of at least one folded garment, comprising a lid and an open-fronted body, a hanger bar for supporting the hook of a garment hanger, said hanger bar being disposed adjacent to that wall of the body which serves as a base upon which the body may rest with its open front vertical and unobstructed during packing, and extending rearwardly from at least as far forward as substantially the front edge of said body, the forward section of said bar being so fashioned with respect to the front edge of said body so that a garment hanger may hang downwardly outside said body when said lid is in an unobstructing position and when said body is rested on the edge of a support, and so that the garment hanger may thereafter be turned around and slid back into said body, said downward part of the hanger being adapted to support

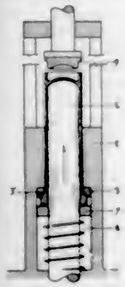
a garment outside said body in a freely downward extending position, and a garment-folding element adapted to be manually moved upwards from a lower position behind the middle of said freely hanging garment so situated outside said case to an upper position to bring said garment and garment hanger into a packing position within said open front body in which said garment extends upwardly from said garment-hanger, over said garment-folding element, and then downwardly upon itself, and means in the upper portion of said body detachably engageable with said garment-folding element for holding the same in place.

2,237,993

PRODUCTION OF CUP-SHAPED HOLLOW BODIES FROM METAL BILLETS

Károly Korbuly, Csepel, Hungary, assignor to the firm Tube Industrial Participation Limited, Breganzona-Lugano, Switzerland, a corporation of Switzerland

Application April 15, 1939, Serial No. 268,131
In Hungary and Germany April 23, 1938
5 Claims. (Cl. 29—33)



1. A method of producing a cup-shaped hollow body from a metal billet in an extrusion press having a mandrel cooperating with a die with a tapered bore disposed in the mouth of the press, comprising the steps of forcing the heated billet between the mandrel and the die arranged with the larger end of its bore facing the mandrel, and then forcing the billet, in the same heat, through the die in the reverse direction by means of the mandrel.

2,237,994

REELING DEVICE

Frederick F. Long, Chester, Pa., assignor to American Viscose Corporation, Marcus Hook, Pa., a corporation of Delaware

Application November 24, 1937, Serial No. 176,323
9 Claims. (Cl. 242—77)



1. In a swift, an arm comprising a member having spaced longitudinally extending shoulders and forming a support and a soft rubber thread engaging member carried by said support, said rubber member comprising side portions frictionally engaging said support and carried by said shoulders and a portion supported by said rubber member and spaced from said support to yield under tension of the thread wound on the swift.

2,237,995

TOBACCO PRODUCT

William H. Mason, Bowling Green, Ky.

Application May 3, 1939, Serial No. 271,581
1 Claim. (Cl. 131—6)



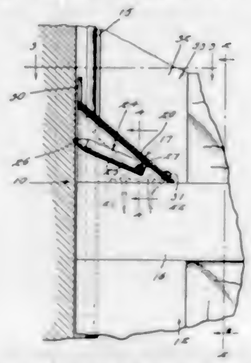
A tobacco product comprising a filler of tobacco, and a transparent film of tough, airtight sheet material wrapped about the filler throughout its length to completely enclose and protect the filler, said filler and wrapper being looped and twisted to prevent stripping of the wrapper from the tobacco except at the end of the product where tobacco is to be removed, said wrapper constituting a closure for the product following removal of a portion of the tobacco therefrom.

2,237,996

WINDOW LOCK

Ebb V. Mitchell, Abilene, Tex.

Application January 25, 1940, Serial No. 315,585
3 Claims. (Cl. 292—238)



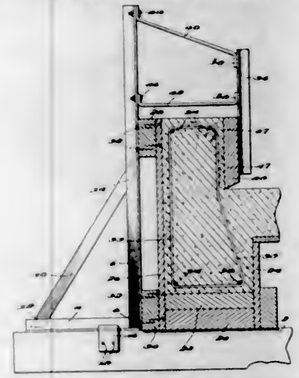
2. In a window sash lock of the shield type including an upwardly inclined locking bolt adapted to have its upper end engaged in a window frame side and its lower end pivoted, the combination of a housing open at its outer side, its inner side and the bottom, said housing including top, front and rear walls, said housing being of inverted U-shape in vertical section and gradually decreasing in height from its outer to its inner side, said housing enclosing and for supporting the lower end of said bolt adjacent said inner side, a forwardly directed base plate integral with the bottom of said front wall and having openings for the passage of holdfast device for securing the housing upon the window sash, and a vertically extending shield for disposing in close proximity to the window frame side, said shield being integral with said top and front walls at the inner side of the housing, said shield being disposed at right angles to said housing, extended above said top and front and directed forwardly from said front wall.

2,237,997

APPARATUS FOR SETTING UP CONCRETE FORMS

Pasquale L. Moccia, New York, N. Y.

Application June 18, 1940, Serial No. 341,188
2 Claims. (Cl. 25—118)



1. Apparatus for setting up concrete forms comprising in combination a vertical standard, a laterally and horizontally extending arm, secured to the foot of said standard, for bracing it, saddle means including a pair of oppositely disposed clamping members engaged with opposite sides of said laterally and horizontally extending arm, and extending downwardly therefrom in a position to straddle a supporting beam, whereby the assembly is slidable along the supporting beam to proper position, means for securing said clamping members to the supporting beam for holding the standard in said proper position, and spaced, superposed arms, carried by and extending laterally from the upper part of the standard, on the side opposite the arm at the foot of the standard, for supporting a curb board.

2,237,998

SKI

Willi Neuhauser, St. Gall, Switzerland

Application November 29, 1939, Serial No. 306,734
In Switzerland December 17, 1938
5 Claims. (Cl. 280—11.35)



1. In a ski having a heel supporting zone on its upper surface, a substantially wedge-shaped block carried on the upper surface of said ski, and a guideway on said ski, said block being slidable on said guideway from an inoperative position rearwardly of said heel supporting zone to an operative heel supporting position in said zone.

2,237,999

MOTOR

Carl A. Newman, Rochester, N. Y.

Application December 7, 1938, Serial No. 244,472
2 Claims. (Cl. 172—36)



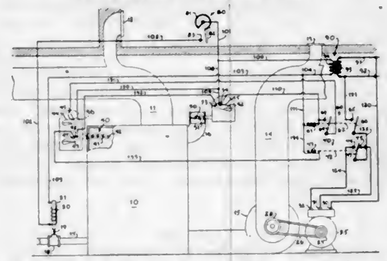
1. A dental implement comprising a non-conductive housing having an enlarged end of substantially uniform section providing a handle, a reduced end of substantially uniform section integral therewith, and an intermediate convergent portion joining said ends; a rotary electric motor received within said enlarged end having a rotor shaft extending into and projecting beyond said reduced end for attachment of a dental tool; a non-conductive cap closing the enlarged end of said housing; a bearing in said housing for supporting said rotor shaft; and a non-conductive guard covering the projecting end of said shaft and non-rotatably mounted thereon.

2,238,000

AIR CONDITIONING SYSTEM

Clarence W. Nessell, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

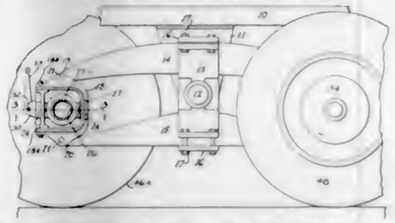
Application August 16, 1937, Serial No. 159,279
24 Claims. (Cl. 236—11)



1. In an air conditioning system, an air conditioning chamber, means for conditioning air within said chamber, means for circulating air through said chamber and through a space to be conditioned at varying rates of flow, means responsive only to one predetermined condition in said space for causing operation of said air conditioning means and to a second condition for stopping operation of said means, means automatically causing operation of said air circulating means at a low rate of flow only as a result of starting operation of said air conditioning means, means responsive to a predetermined condition in said chamber caused by said air conditioning means for causing circulation of air at a high rate of flow, means responsive to the attainment of the second predetermined condition in said space for lowering the rate of flow of said air circulating means, and means responsive to a predetermined condition in said chamber caused by the stopping of said air conditioning means in response to the attainment of the second condition in the space for stopping the air circulating means.

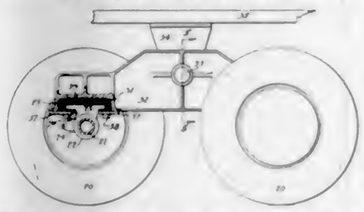
19. In a summer-winter air circulating system, air circulating means, temperature responsive means including two pairs of sequentially engageable contacts movable together in response to a decrease in temperature, a relay under the control of said temperature responsive means, means whereby the relay is energized when both pairs of said contacts are engaged and whereby it remains energized until both pairs of said contacts are out of engagement due to a temperature rise, switching means whereby the air circulating means is operated only when the relay is energized with the switching means in one position and whereby the air circulating means is operated only when the relay is deenergized with the switching means in a second position, air temperature changing means, and means for controlling the same in accordance with whether said sequentially engaging contacts are engaged or not.

2,238,001
TRAILER CONSTRUCTION
Robert W. Pointer, Portland, Oreg., assignor of one-half to Willamette Iron & Steel Corporation, Portland, Oreg., a corporation of Oregon
Application August 15, 1938, Serial No. 224,912
2 Claims. (Cl. 280—124)



1. In a vehicle, a pair of axles having ground engaging wheels on the outer ends thereof, a brake casting rigidly mounted on each said axle adjacent one wheel thereof, a brake casting rotatably mounted on each said axle adjacent one wheel thereof, brake drums mounted on each said wheel and cooperating with each said brake casting for transmitting braking action to said wheels, and load supporting elements non-rotatably secured longitudinally of the vehicle to said brake castings at each side of said vehicle.

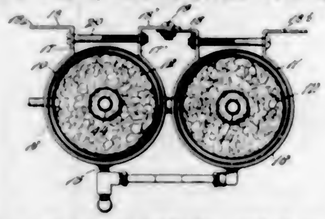
2,238,002
CUSHION SEAT FOR TRAILER AXLES
Robert W. Pointer, Portland, Oreg., assignor of one-half to Willamette Iron & Steel Corporation, Portland, Oreg., a corporation of Oregon
Application October 3, 1938, Serial No. 232,956
2 Claims. (Cl. 280—81)



1. In a device of the class described, the combination of an axle having a ground engaging wheel at each end thereof, a brake spider near each outer end of each axle on the inner side of its respective wheel, a cushion table secured to each spider, a rubber cushion attached to said table, said table and cushion having air tight pockets formed between their load supporting faces, a cushion housing within which said cushion is confined, a rocker frame of which said housing forms a part and means for pivotally attaching said rocker frame to a load supporting member.

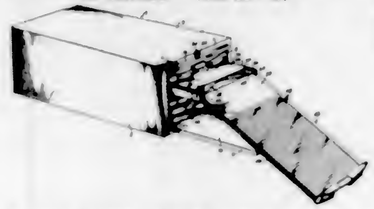
2,238,003
DOUBLE MOUNTED FILTER
James W. Wilkinson, Leicester, Mass., assignor to Fleming Manufacturing Company, a corporation of Rhode Island
Application January 27, 1938, Serial No. 187,112
3 Claims. (Cl. 210—62)

1. In combination, a plurality of filter units each comprising a casing containing filtering material, a flexible conduit connector between the inlets of said units, a rigid header connecting the outlet ends of said casings together for providing a common outlet passage for said units, a supporting bracket for each unit, each bracket provided with spaced attaching flanges, one flange on one of the brackets being located opposite and facing an adjacent flange on the other bracket to overlap the same when the casings are positioned side by side to permit such opposed



flanges to be joined together, means to locate and secure together the adjacent flanges of the brackets of said filter units to hold said filter units in assembled relation, and means on the other free unconnected flanges of said brackets when thus assembled for attaching the assembled units to a support.

2,238,004
CARD INDEX CABINET
Carl F. Wolters, Kenmore, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application February 16, 1937, Serial No. 126,015
11 Claims. (Cl. 45—2)



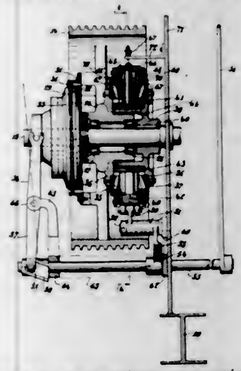
1. A card index cabinet comprising a casing having guideways, slide members slidable in said guideways, a plurality of trays slidable in said slide members, means normally retaining each of said slide members against detachment from said casing, and means retaining said trays against complete detachment from said slide members when withdrawn from said casing, both of said means cooperating in the operation of said trays for retaining said first-mentioned means in disengaged relation whereby said slide members may be removed from said casing with its tray.

2,238,005
CARD INDEX CABINET
Carl F. Wolters, Kenmore, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application August 18, 1938, Serial No. 225,596
13 Claims. (Cl. 45—2)



1. In a card index cabinet, a tray for supporting a card index, means for slidably supporting said tray in said cabinet having a hook at the front end, a tail piece slidably mounted by said means and having a flange to engage said hook, and a link hinged to the tail piece at one end and adjacent the rear end of said tray at the opposite end, for normally retaining the tray against complete detachment from the cabinet when slidably withdrawn therefrom.

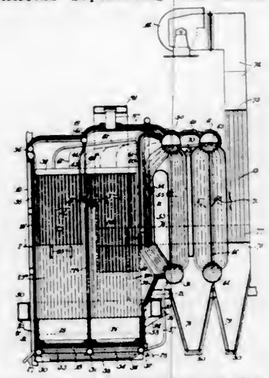
2,238,006
REVERSING MECHANISM
Oliver H. Attridge, Tulsa, Okla., assignor to Lucey Export Corporation, New York, N. Y., a corporation of Delaware
Application January 26, 1940, Serial No. 315,667
12 Claims. (Cl. 74—297)



1. Reversing mechanism, comprising in combination, a reversibly driven shaft and a drive pulley constantly turning in one direction and rotatably mounted thereon, a forward drive clutch between said pulley and shaft and disposed substantially within the outlines of said pulley and a reverse drive gearing also disposed substantially within the outlines of said pulley and comprising companion opposed ring gears carried by said pulley and affixed to the shaft respectively, connecting pinions between said opposed ring gears, a pinion carrier rotatably supported on the ring gear which is affixed to the shaft and located within the rim of said pulley, releasable brake means for holding said pinion carrier against rotation and common means for closing said brake and throwing out said forward drive clutch and for closing said forward drive clutch and throwing out said reverse drive brake.

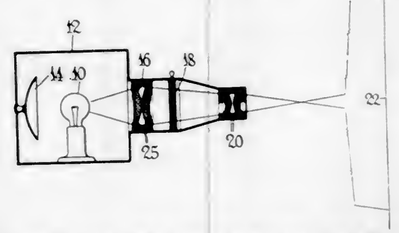
2,238,007
CHEMICAL RECOVERY FURNACE AND METHOD OF CHEMICAL RECOVERY
John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application March 22, 1938, Serial No. 197,496
8 Claims. (Cl. 23—48)

1. A waste heat and chemical recovery furnace for the treatment of waste liquid containing combustible constituents and chemicals to be recovered comprising a furnace chamber, said chamber having a vertical wall dividing said furnace chamber into two passes, means in the lower part of said chamber for introducing waste liquid into the first of said passes for dehydration and combustion of the combustible constituents while in said furnace chamber, means for supplying air for combustion to said furnace chamber at the lower portions of each of said passes, and means for collecting for withdrawal the chemicals separating out from the waste



liquid during the combustion of the combustible constituents.

2,238,008
LIGHT CONDITIONING DEVICE AND METHOD OF MANUFACTURING SAME
Earl W. Beck, Eggertsville, N. Y., and Victor Walker, Fort Erie, Ontario, Canada, assignors, by mesne assignments, to AlnCin, Inc., a corporation of New York
Application January 20, 1939, Serial No. 251,982
13 Claims. (Cl. 88—24)

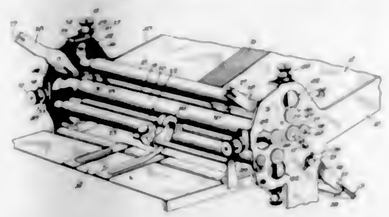


1. In a light conditioning system including a light source, a light directing and conditioning device of non-image-forming and non-image-retaining and efficient light transmitting characteristics and comprising a glass body having one of its optical faces ground to a prescribed optical contour to provide a continuous optical surface comprising contiguous minute cusps and subsequently cleared by a mixture of hydrofluoric and sulphuric acids and water of the light-screening substances produced thereon by the grinding operation without elimination of said cusps.

2,238,009
FOLDING MACHINE
Frank J. Breman, Oak Park, and Nils Trydal, Chicago, Ill., assignors to Davidson Manufacturing Company, a corporation of Wisconsin
Application May 2, 1938, Serial No. 205,561
3 Claims. (Cl. 270—68)

2. In a folding machine, a pair of side frames, a plurality of folding rollers mounted between and supported by the side frames, a buckle chute, and means for removably supporting the buckle chute in cooperative relation with the folding rollers, said means comprising arm members projecting from the side frames having portions

formed to interfit with portions of the buckle chute and members cooperating with said arm members and forming part of the buckle chute, one of the respective members having a slot and



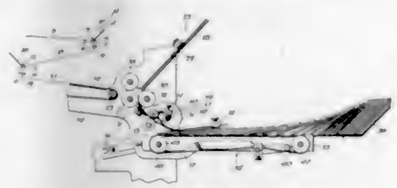
the other having a securing device provided with a shank entering said slot, whereby tightening of the securing device will hold said interfitting portions together and loosening thereof will permit the members to be separated.

2,238,010

STACKER

Frank J. Breman, Oak Park, Ill., assignor to Davidson Manufacturing Company, a corporation of Wisconsin

Application May 9, 1938, Serial No. 206,803
18 Claims. (Cl. 271—87)



1. In combination, a stacker including a continuously operating conveyor for advancing signatures or the like along the stacker, means for delivering signatures to the conveyor in overlapped relation even though said means is delivering signatures to the stacker at irregular intervals, said means comprising a spring arm having its outer end resiliently urged under flexure toward the conveyor, a stop carried by the arm said stop projecting toward the conveyor by an amount which is less than the thickness of a single signature and means for varying the pressure exerted by the arm upon the signature at a point removed from the stop.

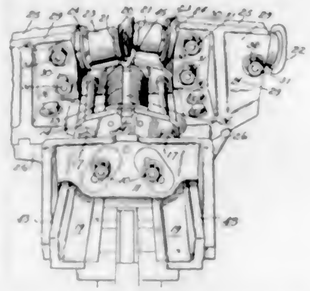
2,238,011

DEVICE FOR MILLING GAPS IN PISTON RINGS

George Brouwer, Muskegon, Mich., assignor to National Piston Ring Company, Fruitport, Mich., a corporation

Application January 19, 1940, Serial No. 314,571
2 Claims. (Cl. 29—70)

1. A device for milling gaps in piston rings comprising a base, a work carrier slidably mounted on said base, a fixed clamping member, a movable clamping member, a pair of spaced locater bars extending between said clamping members and adapted to receive a tube formed from a plurality of piston ring castings, means for moving the movable clamping member with relation to the tube, a pair of angularly inclined and oppositely disposed cutting members, said cutting members adjustable to a desired angle and spacing, means for sliding said work carrier with the



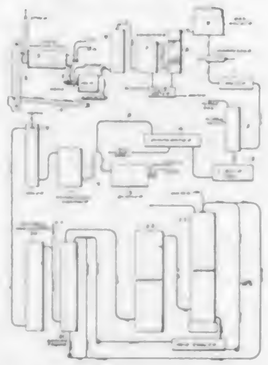
tube between said cutting members for cutting an angular gap therein, and then releasing said tube from the device.

2,238,012

CONTACT SULPHURIC ACID PROCESS

Cyril B. Clark, Scarsdale, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application March 16, 1939, Serial No. 262,090
2 Claims. (Cl. 23—175)



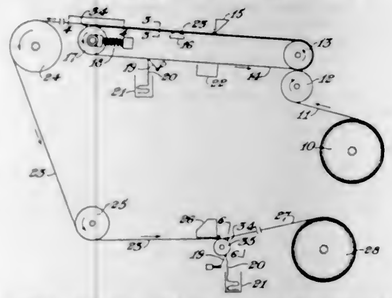
1. The process of producing sulphuric acid which comprises thermally decomposing acid sludge to produce a gas containing sulphur dioxide, water and both condensible and uncondensible hydrocarbons, separating the condensable hydrocarbons and water from the gas by condensation, liquefying the sulphur dioxide and also hydrocarbons having the same vapor pressure, purging the uncondensed gas from the liquefied mixture, evaporating the liquefied mixture, a hydrocarbon residue being left, burning hydrocarbons out of the vaporized mixture to at least the extent that the resulting gas is suitable for use in the contact sulphuric acid process by mixing the vaporized mixture with a sufficient amount of a hot combustion supporting gas, subjecting the resulting gas to a wet purification process, adjusting the oxygen and sulphur dioxide content of the gas to that suitable for the catalytic oxidation of the sulphur dioxide to sulphur trioxide, drying the gas, and passing it at reaction temperatures over a catalyst in a contact sulphuric acid system.

2,238,013

COATING PROCESS

William R. Collings and Harry W. Bull, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application July 24, 1939, Serial No. 286,161
4 Claims. (Cl. 91—68)



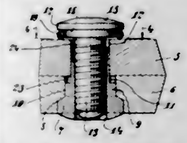
1. The method which comprises extruding under pressure a viscous solution of a coating composition onto a moving flexible support, to cover the width of the support which it is desired to coat and to overlap onto other moving supports, disposed laterally to the said desired width and moving in the same direction and at the same rate as the principal support to be coated, thereby to deposit excess coating on the said laterally disposed supports, and, after the coating has been deposited, moving the said laterally disposed supports in a path divergent from the path of the principal coated support, while maintaining in fixed positional relationship to the principal and lateral supports at the point of divergency of these supports an instrument adapted to cleave the laterally deposited edge bead and excess coating material from the coating on the principal support, thereby to separate said excess coating and edge bead from the principal film and to form a smooth beadless film on the desired width of the said principal flexible support.

2,238,014

SHEARS AND THE LIKE

Charles J. Dalley, Maplewood, N. J., assignor to The W. H. Compton Shear Company, Newark, N. J., a corporation of New Jersey

Application November 16, 1939, Serial No. 304,694
2 Claims. (Cl. 151—33)



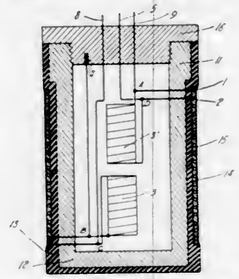
1. A blade tensioning pivotal connection for shears and the like, comprising in combination, companion blade members, a bolt and an engaged nut pivotally connecting said members in coacting relation, said nut having a shank extending nearly all the way through both members but terminating at a point leaving clearance for adjustment purposes at the inner end of the nut, said nut having a circular portion at the outer end of the same of larger diameter than the shank and forming a bearing for one member, said nut having a non-circular portion at the inner end, said other member having a uniform opening of non-circular cross section corresponding to said inner end portion of said nut and receiving said inner end portion of the nut in free sliding engagement for blade tensioning purposes, said bolt having a screw stem entered through the inner end of said nut and a larger diameter head for confining said other blade member, said bolt head having a large diameter annular shoulder at the inner face of the same, a loop of spring wire of circular cross section encircling and yieldingly gripping said annular shoulder and means for securing one end of said spring wire loop in non-rotative engagement on said other blade member and said bolt head having means for enabling rotative adjustment of the same to effect free sliding adjustments of the nut in said other member and whereby said bolt will be yieldingly retained in the various positions to which it may be turned for blade tensioning purposes.

2,238,015

RESISTANCE THERMOMETER AND METHOD OF MANUFACTURING THE SAME

Henri Georges Doll, Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application December 27, 1937, Serial No. 181,880
In France January 18, 1937
6 Claims. (Cl. 73—362)



1. In a thermometer comprising a core, at least one resistance winding on the core constituting a thermometric element and made of a material of which the electrical resistance varies due to temperature changes, a covering of small thickness electrically insulating the wire of the resistance winding, a sheath of plastic metal encasing the individual turns of the winding and a thin sleeve of malleable metal stronger mechanically than the metal of the sheath tightly fitted on the sheathed winding so as to protect the insulating covering without detriment to the thermal conductivity between the thermometric element itself and the surrounding medium.

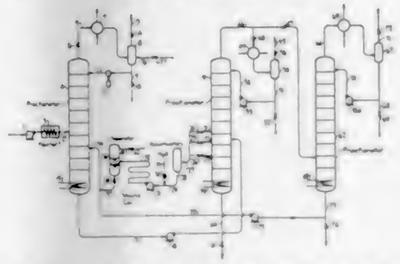
5. In a method of manufacture of thermometers comprising a support, at least one resistance winding constituting a thermometeric element and carried by the support, a covering of small thickness electrically insulating the wire of the said winding and a sheath of plastic metal practically encasing the winding, the operations of winding on to the support simultaneously the wire constituting the winding previously provided with its insulating covering and a wire of plastic metal, placing on the assembly a sleeve of malleable metal stronger mechanically than the said plastic metal, and then compressing the sleeve on to the wires wound on the support to deform the wire of plastic metal into the spaces between the winding and the sleeve whereby good thermal conductivity may be obtained.

2,238,016

PURIFICATION OF KETONES

Bernard M. Downey, Long Beach, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application June 25, 1940, Serial No. 342,277
7 Claims. (Cl. 202—39)



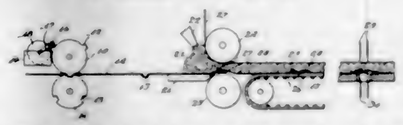
1. A process for purifying crude ketone containing aldehydic material, a secondary alcohol, water and hydrocarbon polymer higher-boiling than the secondary alcohol and capable of forming minimum boiling mixtures with the secondary alcohol and water comprising, fractionating the crude ketone in a first fractionating zone, withdrawing a vapor fraction comprising aldehydric material from the first fractionating zone, passing bottoms comprising ketone, secondary alcohol, water and hydrocarbon polymer from the first fractionating zone into a second fractionating zone, withdrawing liquid comprising polymer, ketone, water and secondary alcohol as a side stream from an intermediate part of the second fractionating zone, scrubbing said side stream with water to effect the separation of a polymer fraction from an aqueous fraction comprising ketone and secondary alcohol, passing the aqueous fraction into the first fractionating zone, withdrawing substantially pure ketone vapors overhead from the second fractionating zone, and withdrawing bottoms comprising secondary alcohol and water from the second fractionating zone.

2,238,017

METHOD AND APPARATUS FOR MANUFACTURING WALLBOARD

James K. Duncan, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application October 23, 1937, Serial No. 170,513
13 Claims. (Cl. 154—2)



1. The method of forming recessed-end plasterboards which comprises continuously advancing a cover sheet of fibrous material, embossing said sheet at spaced intervals to provide transversely extending linear projections on one surface thereof, applying a plastic mass to the other surface of said sheet to form a continuous sheet of plasterboard, supporting said plasterboard sheet on a plane surface until said plastic mass has set, said projections supporting portions of said cover sheet in spaced relation to said plane surface to form transversely extending recesses in one surface of said plasterboard sheet on opposite sides of said projections, and severing said plasterboard sheet along said recesses so as to remove said projections and form smooth recessed-end plasterboards.

2,238,018

ORNAMENTATION OF CERAMIC WARE

William H. Earhart, Columbus, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Application December 9, 1938, Serial No. 244,819
17 Claims. (Cl. 41—33)

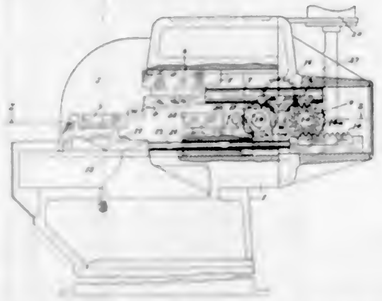
8. Process of ornamenting glazed ceramic ware comprising applying thereto a size having the property of drying to a tacky state and upon further drying becoming inert to essential oils, said size consisting essentially of an alkyd resin, a cellulose resin of the class consisting of cellulose nitrate, cellulose acetate and ethyl and benzyl celluloses, a minor amount of an organic plasticizer, in which said resins are soluble and a solvent for the composition, drying to a tacky state, applying decalcomania decoration, drying beyond the tacky state and washing off the backing of the decalcomania, applying a decoration at least a part of which overlies said size and which is carried by an essential oil vehicle and thereafter firing the ware.

2,238,019

LATHE

Frederick S. Floeter, Saginaw, Mich., assignor to Wickes Bros., Saginaw, Mich., a corporation of Michigan

Application November 27, 1937, Serial No. 176,883
9 Claims. (Cl. 82—25)



1. In a lathe having means for mounting a work piece for rotation about its longitudinal axis and having a plurality of pairs of oppositely directed roughing tools movable simultaneously into engagement with the work piece, a tool of each pair being disposed higher than the other tool, a finishing tool located beneath each higher tool and slidingly mounted for movement toward and away from the cutting circle at substantially the point of attack of the said higher roughing tool, means for reciprocating said finishing tools comprising links connected thereto, a crank pivoted to an end of each of said links, an oscillatory shaft carrying said cranks, a gear on said shaft, an intermediate gear meshing therewith, a primary shaft having a gear meshing with the said intermediate gear, a rack and pinion drive mechanism for said primary shaft, means operatively connecting said primary shaft with the respective pairs of roughing tools and adapted to retract the roughing tools while the finishing tools are being advanced, and vice versa.

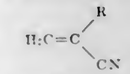
2,238,020

VINYLIDENE CHLORIDE COPOLYMER

Alden W. Hanson and William C. Goggin, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 2, 1939, Serial No. 277,055
5 Claims. (Cl. 260—84)

1. A copolymer of from 5 to 95 per cent of vinylidene chloride and correspondingly from 95 to 5 per cent of a compound having the general formula



wherein R is selected from the class consisting of hydrogen and the lower alkyl radicals containing from 1 to 5 carbon atoms inclusive.

2,238,021

AMMONIATED TALL OIL PRODUCT AND METHOD OF PRODUCING THE SAME

David W. Jayne, Jr., Port Chester, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 23, 1938, Serial No. 226,262
11 Claims. (Cl. 260—97.5)

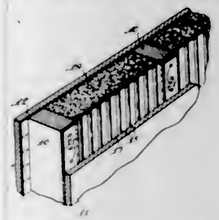
1. A substantially anhydrous solution of the ammonium salts of tall oil acids in a paraffin alcohol of one to five carbon atoms.

2,238,022

INSULATING MATERIAL AND STRUCTURE

Fred Gerald Johnson, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application April 3, 1937, Serial No. 134,701
11 Claims. (Cl. 20—4)



8. A heat insulating unit for a wall structure comprising a substantially continuous sheet of material having a reflective surface integral therewith, said sheet being indented at spaced intervals to provide a plurality of substantially parallel ribs on said reflective surface, the portions of said surface between said ribs being substantially flat and constituting the major portion of said reflective surface, and a thick body of light porous insulating material adhesively secured to the surface of said sheet opposite said reflective surface.

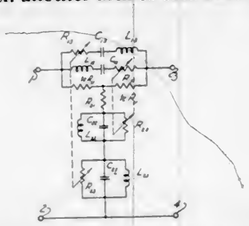
2,238,023

EQUALIZER

Paul W. Klipsch, Houston, Tex., assignor to Esme E. Rosaire, Houston, Tex.

Application March 23, 1939, Serial No. 263,614
9 Claims. (Cl. 178—44)

5. An adjustable attenuation equalizer for independently adjusting the transmission loss over a plurality of ranges within a frequency spectrum, said equalizer comprising a base loss network having a given finite loss and a given image impedance, a plurality of impedances in shunt with each other and with an arm of the base loss network, each of said impedances comprising reactance in series with a variable resistor, a second plurality of impedances in series with each other and with another arm of said base loss network, said second impedances each comprising reactance in parallel with a resistor which is variable in inverse relation to the resistors contained in the first mentioned impedances, said second impedances being inverse to said first impedances, said first and second impedances and said base loss network being arranged to exhibit a constant image impedance in both directions of transmission for all values of adjustments of the variable resistors.

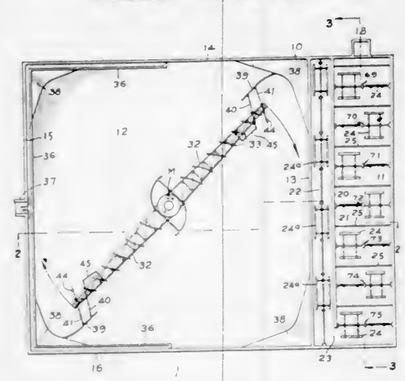


2,238,024

COMBINED CLARIFIER AND FLOCCULATING APPARATUS

Harry A. Linch, Mamaroneck, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application July 30, 1938, Serial No. 222,107
3 Claims. (Cl. 210—16)



1. A liquid clarification apparatus comprising a tank structure having a sedimentation section of substantially rectangular settling area adapted for holding in quiescence liquid having solids in suspension long enough for solids to settle and form sediment in the tank, motivated mechanism for removing sediment from the tank, outflow means for removing clarified effluent from an end portion of the sedimentation section, means for supplying the opposite end portion of the sedimentation section with flocculated liquid, whereby the liquid flows through the

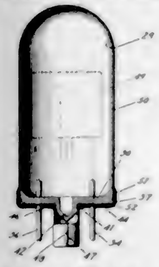
sedimentation section in one general direction, which supply means comprises at least two channel sections adapted for liquid flow therethrough, one of which channel sections is wider than the other, and the length of which channel sections extends substantially at right angles to said general direction of flow, a partial partition acting as a common wall between said channel sections and around one end of which partition liquid after having flowed through the wider channel section may pass therefrom to the narrower channel section, said narrower channel section having means to provide influent passage along its length for liquid in substantially uniform distribution into said sedimentation section whereby the liquid flow is distributed substantially uniformly over the width of the settling area.

2,238,025

ELECTRON DISCHARGE DEVICE

Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application May 28, 1937, Serial No. 145,198
13 Claims. (Cl. 250—27.5)



1. A radio tube or the like comprising an enclosing envelope of glass having a substantially flattened bottom, a plurality of rigid contact prongs sealed into said flattened bottom, a metal envelope within which the glass envelope is enclosed said metal envelope having a metal disc-like base with a plurality of openings through which said contact prongs extend but insulated therefrom.

2,238,026

FLUORESCENT MATERIAL AND METHOD OF PREPARING THE SAME

William R. Moore, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

No Drawing. Application November 27, 1937, Serial No. 176,915
9 Claims. (Cl. 250—81)

1. The method of preparing zinc silicate having a yellowish fluorescent color under cathode-ray bombardment which includes the steps of firing a zinc silicate-forming batch with an activator in a non-oxidizing gaseous atmosphere at a temperature of approximately 600° C. to 950° C., and then slowly cooling the fired material.

2,238,027

ELECTRIC CIRCUIT BREAKER

David C. Prince, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 19, 1940, Serial No. 346,361
5 Claims. (Cl. 200—150)



1. An electric circuit breaker of the oil blast type comprising an arc extinguishing and insulating liquid, relatively movable contacts separable to form a plurality of serially connected breaks in said liquid, means including a pressure chamber for utilizing arcing pressure generated at one of said breaks so as to drive an extinguishing blast of liquid through the arc at another of said breaks, a liquid collecting and clarifying chamber arranged to receive liquid used in said blast, one-way valve means for permitting flow of liquid from said clarifying to said pressure chamber, and means for directing the liquid blast after arc interruption to said clarifying chamber and for directing circulation of clarified liquid from said clarifying chamber of said pressure chamber and serially connected breaks.

DESIGNS

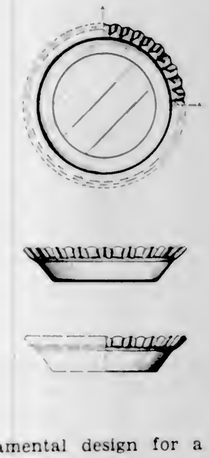
APRIL 8, 1941

126,356

DESIGN FOR A PIE PLATE

George H. Brown, Highland Park, Ill.

Application March 9, 1940, Serial No. 90,791
Term of patent 14 years



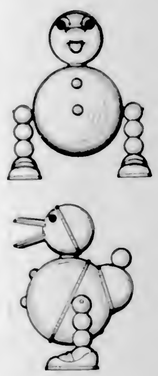
The ornamental design for a pie plate, as shown and described.

126,357

DESIGN FOR A TOY FIGURE

Irwin E. Cohn, Leominster, Mass.

Application September 19, 1940, Serial No. 95,206
Term of patent 3½ years



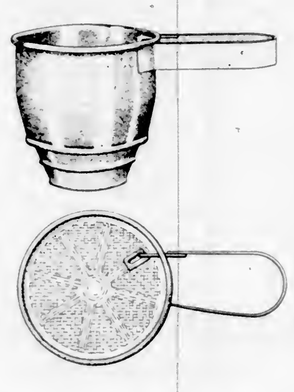
The ornamental design for a toy figure, as shown.

126,358

DESIGN FOR A FLOUR SIFTER

Freeman E. Collier, Minneapolis, Minn., assignor to Foley Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota

Application October 7, 1940, Serial No. 95,681
Term of patent 14 years



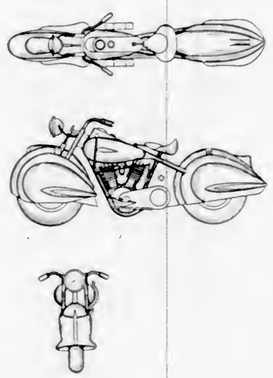
The ornamental design for a flour sifter, substantially as shown.

126,359

DESIGN FOR A MOTORCYCLE

Orley Ray Courtney, Lansing, Mich.

Application July 16, 1940, Serial No. 93,719
Term of patent 3½ years



The ornamental design for a motorcycle, as shown.

126,360
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application February 7, 1941, Serial No. 98,813
Term of patent 7 years



The ornamental design for a goblet or similar article, substantially as shown and described.

126,361
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application February 7, 7941, Serial No. 98,814
Term of patent 7 years



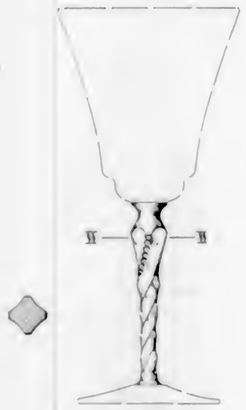
The ornamental design for a goblet or similar article, substantially as shown and described.

126,362
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application February 7, 1941, Serial No. 98,815
Term of patent 7 years



The ornamental design for a goblet or similar article, substantially as shown and described.

126,363
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application February 7, 1941, Serial No. 98,816
Term of patent 7 years



The ornamental design for a goblet or similar article, substantially as shown and described.

126,364
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application February 18, 1941, Serial No. 99,067
Term of patent 7 years



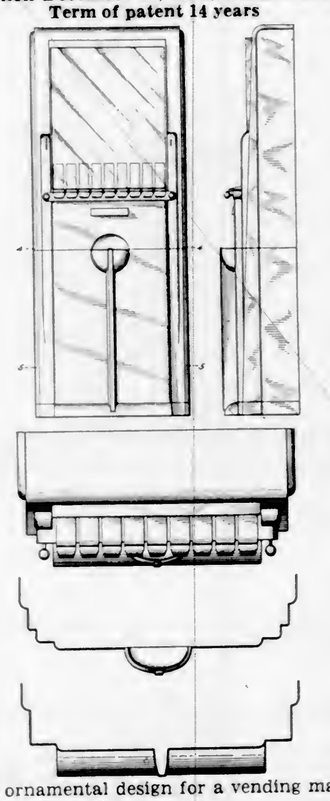
The ornamental design for a goblet or similar article, substantially as shown and described.

126,365
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application February 18, 1941, Serial No. 99,068
Term of patent 7 years



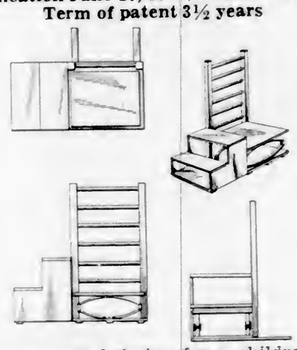
The ornamental design for a goblet or similar article, substantially as shown and described.

126,366
DESIGN FOR A VENDING MACHINE
Warren B. Green, New York, N. Y., assignor to U-Need-A-Pak Products Corp., Brooklyn, N. Y., a corporation of New York
Application December 11, 1940, Serial No. 97,252
Term of patent 14 years



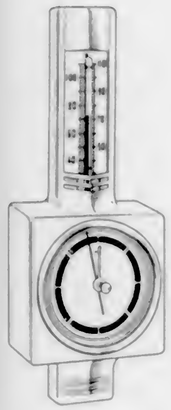
The ornamental design for a vending machine, substantially as shown.

126,367
DESIGN FOR A CHILDREN'S PLAYGROUND APPARATUS
Georgia D. Harrison, Ames, Iowa
Application June 10, 1940, Serial No. 92,916
Term of patent 3½ years



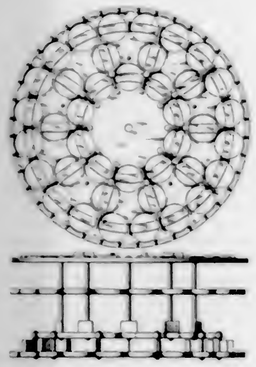
The ornamental design for a children's playground apparatus, as shown.

126,368
DESIGN FOR A COMBINED BAROMETER AND THERMOMETER
Hervey L. MacCowan, Wilmette, Ill., assignor to Fee and Stemwedel, Inc., Chicago, Ill.
Application July 1, 1940, Serial No. 93,367
Term of patent 7 years

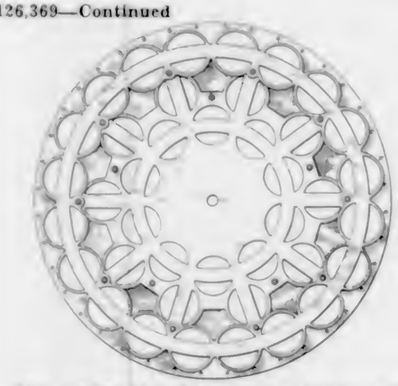


The ornamental design for a combined barometer and thermometer, as shown.

126,369
DESIGN FOR A BOTTLE RACK FOR VENDING MACHINES
Charles A. Melchert, Kansas City, Mo., assignor to General Vender Mfg. Co., Kansas City, Mo., a corporation of Missouri
Application January 11, 1941, Serial No. 97,988
Term of patent 14 years



126,369—Continued



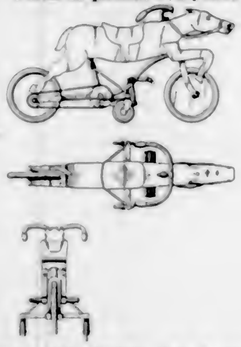
The ornamental design for a bottle rack for vending machines, as shown.

126,370
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Willis O. Prouty, Hermosa Beach, Calif.
Application September 25, 1939, Serial No. 87,370
Term of patent 14 years



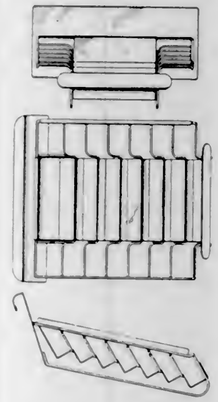
The ornamental design for a plate or similar article, substantially as shown and described.

126,371
DESIGN FOR A ROCKING-HORSE VELOCIPEDE
Henry Sylvester Schnack, Los Angeles, Calif.
Application May 25, 1940, Serial No. 92,624
Term of patent 3½ years



The ornamental design for a rocking-horse velocipede, as shown.

126,372
DESIGN FOR A MERCHANDISE DISPLAY RACK
José Trojan, Chicago, Ill., assignor to Owen Housholder and David C. Cohen, copartners, doing business as Crystal Manufacturing Co., Chicago, Ill.
Application January 27, 1941, Serial No. 98,409
Term of patent 3½ years



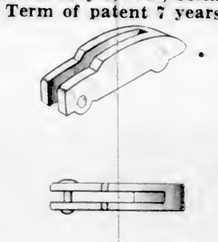
The ornamental design for a merchandise display rack, substantially as shown.

126,373
DESIGN FOR A FINGER RING
Arthur C. Braun, Maplewood, N. J.
Application January 25, 1941, Serial No. 98,380
Term of patent 7 years



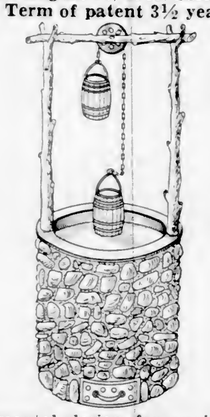
The ornamental design for a finger ring, as shown.

126,374
DESIGN FOR A KEY CASE
John J. Calichio, New York, N. Y.
Application February 6, 1941, Serial No. 98,804
Term of patent 7 years



The ornamental design for a key case, substantially as shown.

126,375
DESIGN FOR AN INCINERATOR
Pearl O. Carter, Los Angeles, Calif.
Application August 12, 1940, Serial No. 94,379
Term of patent 3½ years



The ornamental design for an incinerator, as shown and described.

126,376
DESIGN FOR A SERVICE BADGE OR SIMILAR ARTICLE
Margaret S. Casey and Mary E. Schuler, Indianapolis, Ind.
Application January 18, 1941, Serial No. 98,184
Term of patent 7 years



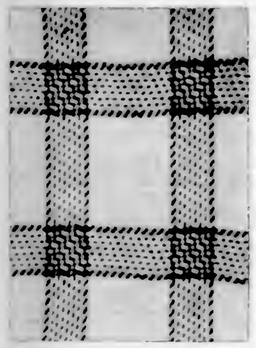
The ornamental design for a service badge or similar article, substantially as shown.

126,377
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application February 11, 1941, Serial No. 98,927
Term of patent 7 years



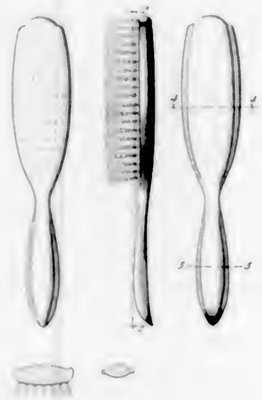
The ornamental design for a textile fabric, substantially as shown.

126,378
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application February 11, 1941, Serial No. 98,928
Term of patent 7 years



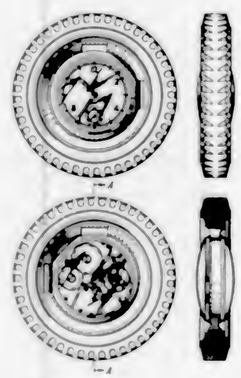
The ornamental design for a textile fabric, substantially as shown.

126,379
DESIGN FOR A HAIRBRUSH
Charles E. Dawson, Holyoke, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application January 28, 1941, Serial No. 98,465
Term of patent 3½ years



The ornamental design for a hairbrush, substantially as shown and described.

126,380
DESIGN FOR A WATCH
Marc Didisheim, La Chaux de Fonds, Switzerland
Application June 18, 1940, Serial No. 93,084
Term of patent 7 years



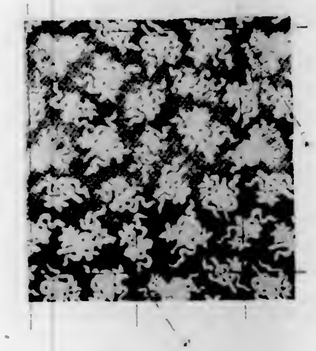
The ornamental design for a watch, as shown.

126,381
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,569
Term of patent 3½ years



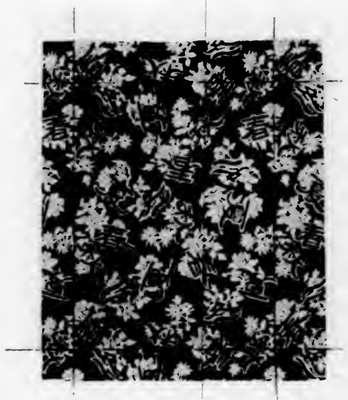
The ornamental design for a textile fabric, substantially as shown and described.

126,382
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,571
Term of patent 3½ years



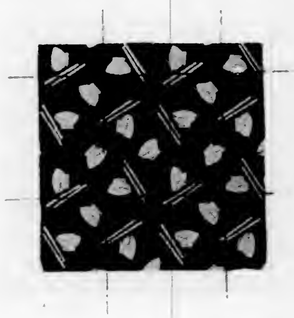
The ornamental design for a textile fabric, substantially as shown and described.

126,383
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,573
Term of patent 3½ years



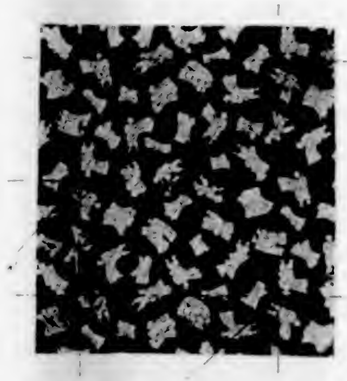
The ornamental design for a textile fabric, substantially as shown and described.

126,384
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,574
Term of patent 3½ years



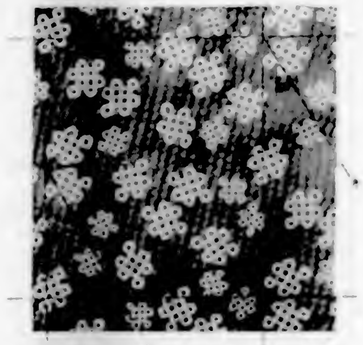
The ornamental design for a textile fabric, substantially as shown and described.

126,385
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,575
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,386
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,576
Term of patent 3½ years



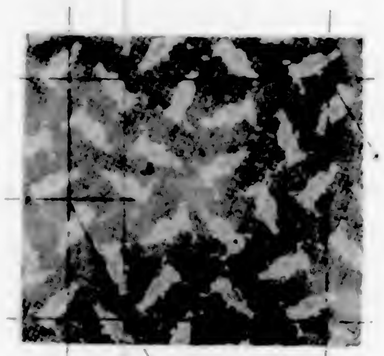
The ornamental design for a textile fabric, substantially as shown and described.

126,387
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,577
Term of patent 3½ years



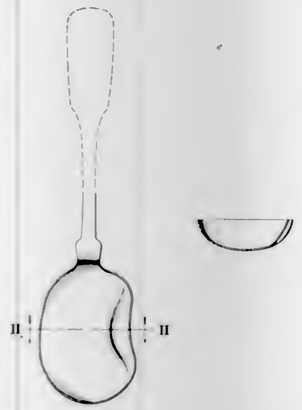
The ornamental design for a textile fabric, substantially as shown and described.

126,388
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,580
Term of patent 3½ years



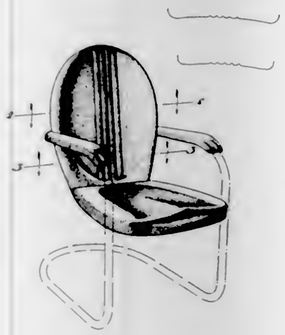
The ornamental design for a textile fabric, substantially as shown and described.

126,389
DESIGN FOR A SPOON
Charles H. W. Foster, Marblehead, Mass.
Application February 4, 1941, Serial No. 98,738
Term of patent 14 years



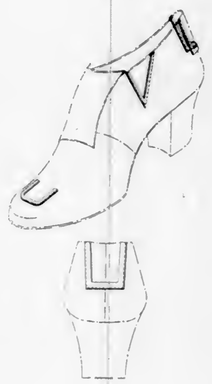
The ornamental design for a spoon, substantially as shown and described.

126,390
DESIGN FOR A CHAIR
Alfred F. Fukal, Chicago, Ill., assignor to The Cincinnati Ball Crank Company and The Shott Manufacturing Company, jointly, Cincinnati, Ohio, corporations of Ohio
Application February 14, 1941, Serial No. 99,007
Term of patent 7 years



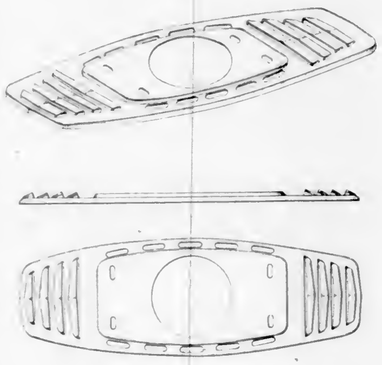
The ornamental design for a chair, as shown.

126,391
DESIGN FOR A SHOE
Adelia Gebauer, Phoenix, Ariz.
Application February 7, 1941, Serial No. 98,834
Term of patent 14 years



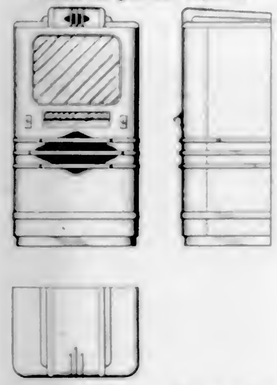
The ornamental design for a shoe, as shown.

126,392
DESIGN FOR A LIGHTING FIXTURE BASE PLATE
Herbert J. Graham, Philadelphia, Pa.
Application August 1, 1940, Serial No. 94,113
Term of patent 14 years



The ornamental design for a lighting fixture base plate, as shown.

126,393
DESIGN FOR A COIN OPERATED MOTION PICTURE MACHINE
Don Heyer, Hollywood, Calif.
Application August 27, 1940, Serial No. 94,648
Term of patent 7 years



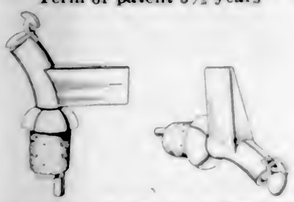
The ornamental design for a coin operated motion picture machine, as shown.

126,394
DESIGN FOR A TELEPHONE STAND
Jerome Hirshfeld, New York, N. Y.
Application December 26, 1940, Serial No. 97,614
Term of patent 14 years



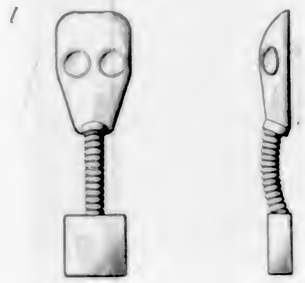
The ornamental design for a telephone stand, as shown.

126,395
DESIGN FOR A BOTTLE POURER
Rose R. Hoffman, Philadelphia, Pa.
Application May 28, 1940, Serial No. 92,667
Term of patent 3½ years



The ornamental design for a bottle pourer, as shown.

126,396
DESIGN FOR A LAPEL PIN OR SIMILAR ARTICLE
Archdale J. Jones, New York, N. Y.
Application February 10, 1941, Serial No. 98,872
Term of patent 3½ years



The ornamental design for a lapel pin or similar article, as shown.

126,397
DESIGN FOR A PERFUME CONTAINER OR SIMILAR ARTICLE
Robert B. Karoff, New York, N. Y.
Application December 30, 1940, Serial No. 97,715
Term of patent 3½ years



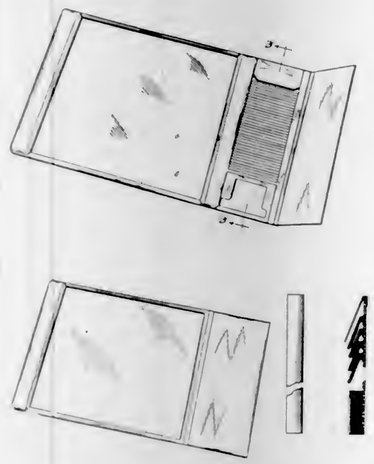
The ornamental design for a perfume container or similar article, substantially as shown.

126,398
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application December 24, 1940, Serial No. 97,599
Term of patent 7 years



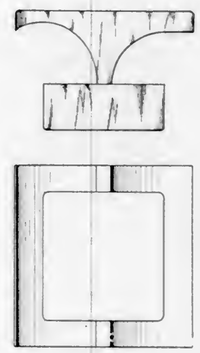
The ornamental design for a glass bottle, substantially as shown.

126,399
DESIGN FOR A COMBINATION DESK PAD AND VISIBLE RECORD FILE
Benjamin Lapper, Bronx, N. Y., assignor to National Pad & Tablet Corp., New York, N. Y.
Application October 22, 1940, Serial No. 96,001
Term of patent 14 years



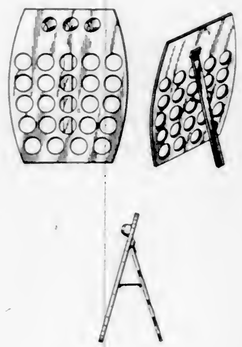
The ornamental design for a combination desk pad and visible record file, as shown.

126,400
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
John F. Livers, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application July 24, 1940, Serial No. 93,890
Term of patent 7 years



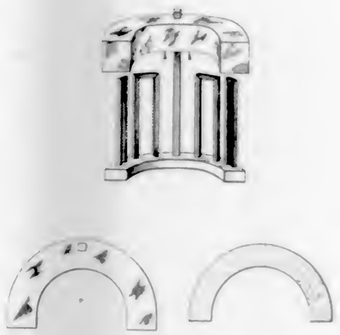
The ornamental design for a fluorescent lighting fixture, as shown.

126,401
DESIGN FOR A DISPLAY STAND
Michael A. Mauro and Francesco J. Galante, New York, N. Y.
Application May 8, 1940, Serial No. 92,215
Term of patent 3½ years



The ornamental design for a display stand, as shown and described.

126,402
DESIGN FOR A LAMP
Florence May, Atlanta, Ga.
Application November 24, 1939, Serial No. 88,468
Term of patent 7 years



The ornamental design for a lamp, substantially as shown.

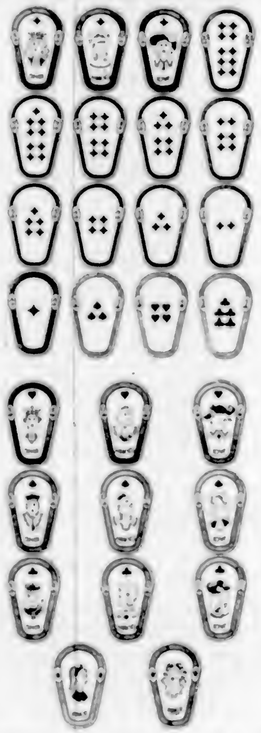
126,403
DESIGN FOR A BROOCH
Frederic Mosell, New York, N. Y.
Application January 21, 1941, Serial No. 98,223
Term of patent 3½ years





The ornamental design for a brooch, as shown.

126,404
DESIGN FOR A DECK OF PLAYING CARDS
Gottfried Nussgruber, Vienna, Germany
Application July 13, 1940, Serial No. 93,615
Term of patent 14 years



The ornamental design for a deck of playing cards, as shown and described.

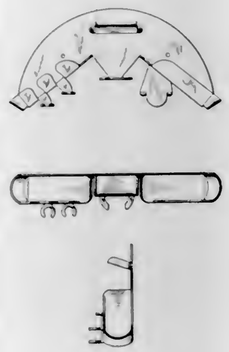
126,405
DESIGN FOR A BROOCH
William Regelmann, Cranston, R. I.
Application January 31, 1941, Serial No. 98,627
Term of patent 3½ years





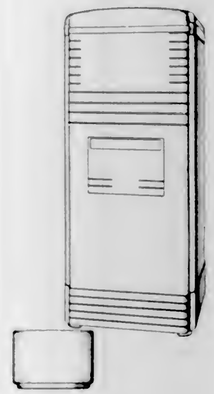
The ornamental design for a brooch, substantially as shown.

126,406
DESIGN FOR A HOLDER FOR TOILET ARTICLES
Aaron C. Reid, Benson, Ariz.
Application January 30, 1941, Serial No. 98,555
Term of patent 14 years



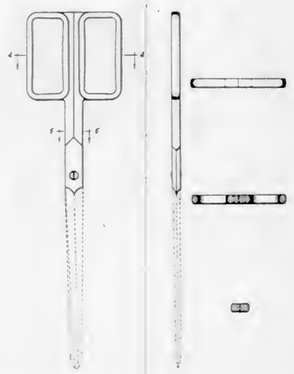
The ornamental design for a holder for toilet articles, as shown.

126,407
DESIGN FOR A CABINET
Harper Richards, Chicago, Ill.
Application September 21, 1939, Serial No. 87,320
Term of patent 14 years



The ornamental design for a cabinet, substantially as shown and described.

126,408
DESIGN FOR SCISSORS
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application April 25, 1940, Serial No. 91,946
Term of patent 14 years



The ornamental design for scissors, as shown.

126,409
DESIGN FOR A SOCKET HEAD CAP SCREW
Charles S. Trott, New York, N. Y., assignor to Parker-Kalon Corporation, New York, N. Y., a corporation of New York
Application January 4, 1941, Serial No. 97,804
Term of patent 14 years



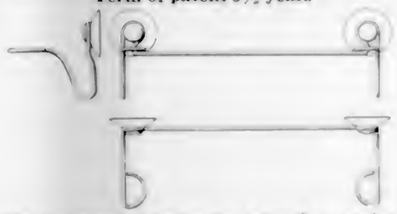
The ornamental design for a socket head cap screw, as shown.

126,410
DESIGN FOR A TEXTILE FABRIC
Allan Zimmerman, New York, N. Y.
Application January 15, 1941, Serial No. 98,059
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

126,411
DESIGN FOR A BRACKET
Benjamin J. Audette, Chicago, Ill.
Application December 7, 1940, Serial No. 97,152
Term of patent 3½ years



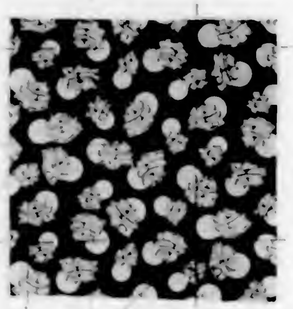
The ornamental design for a bracket, as shown.

126,412
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,570
Term of patent 3½ years



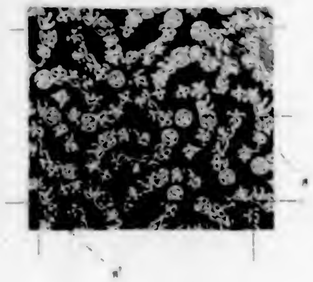
The ornamental design for a textile fabric, substantially as shown and described.

126,413
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,578
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,414
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,579
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,415
DESIGN FOR A COMBINED COVER AND CONTAINER FOR BATH SALTS
Robert B. Karoff, New York, N. Y.
Application January 4, 1941, Serial No. 97,810
Term of patent 3½ years



The ornamental design for a combined cover and container for bath salts, substantially as shown and described.

126,416
DESIGN FOR A JEWELRY COMPONENT OR THE LIKE
Florence N. Lewis, New York, N. Y.
Application October 26, 1940, Serial No. 96,104
Term of patent 14 years



The ornamental design for a jewelry component or the like, as shown.

126,417
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Louis Mazer, New York, N. Y.
Application February 12, 1941, Serial No. 98,959
Term of patent 3½ years



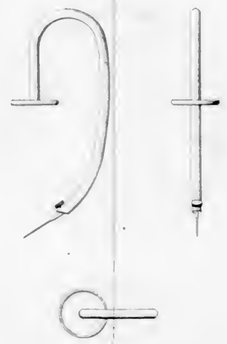
The ornamental design for a brooch or similar article, substantially as shown.

126,418
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Louis Mazer, New York, N. Y.
Application February 12, 1941, Serial No. 98,960
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

126,419
DESIGN FOR A TACKING STITCHER
Anne M. O'Brien, Port Richmond, Staten Island, N. Y.
Application November 22, 1940, Serial No. 96,744
Term of patent 14 years



The ornamental design for a tacking stitcher, as shown.

126,420
DESIGN FOR A COMBINED COVER AND UTENSIL SUPPORTING STRUCTURE FOR COOK STOVE TOP BURNERS
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 94,205
Term of patent 7 years



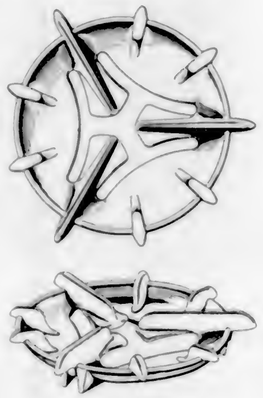
The ornamental design for a combined cover and utensil supporting structure for cook stove top burners, substantially as shown and described.

126,421
DESIGN FOR A COMBINED COVER AND UTENSIL SUPPORTING STRUCTURE FOR COOK STOVE TOP BURNERS
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 94,206
Term of patent 7 years



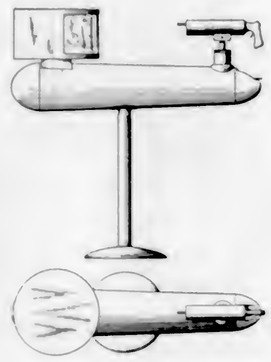
The ornamental design for a combined cover and utensil supporting structure for cook stove top burners, substantially as shown and described.

126,422
DESIGN FOR A COMBINED COVER AND UTENSIL SUPPORTING STRUCTURE FOR COOK STOVE TOP BURNERS
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 94,207
Term of patent 7 years

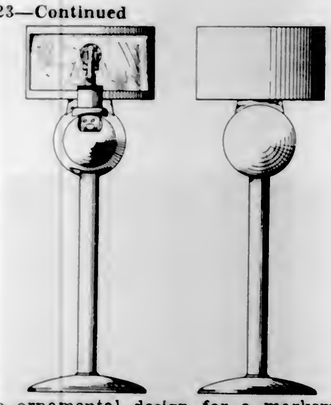


The ornamental design for a combined cover and utensil supporting structure for cook stove top burners, substantially as shown.

126,423
DESIGN FOR A MARKSMANSHIP PRACTICING APPARATUS
Clarence A. Schuyler, Chicago, Ill., assignor to H. C. Evans & Company, Inc., Chicago, Ill., a corporation of Illinois
Application January 13, 1941, Serial No. 98,006
Term of patent 3½ years



126,423—Continued



The ornamental design for a marksmanship practicing apparatus, as shown.

126,424
DESIGN FOR A DRESS TRIMMING
Leo Beer and Herman Stern, New York, N. Y.
Application December 2, 1940, Serial No. 97,008
Term of patent 3½ years



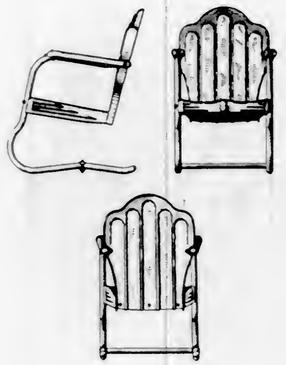
The ornamental design for a dress trimming, as shown.

126,425
DESIGN FOR A BRACELET OR THE LIKE
James H. Bell, New York, N. Y.
Application February 15, 1941, Serial No. 99,017
Term of patent 3½ years



The ornamental design for a bracelet or the like, as shown.

126,426
DESIGN FOR A CHAIR
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application December 2, 1940, Serial No. 97,006
Term of patent 7 years



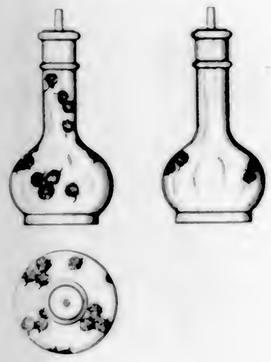
The ornamental design for a chair, as shown.

126,427
DESIGN FOR A COMBINED JUG AND CONTAINER
Herman L. Brooks, New York, N. Y., assignor to Coty, Inc., Wilmington, Del., a corporation of Delaware
Application May 15, 1940, Serial No. 92,387
Term of patent 3½ years



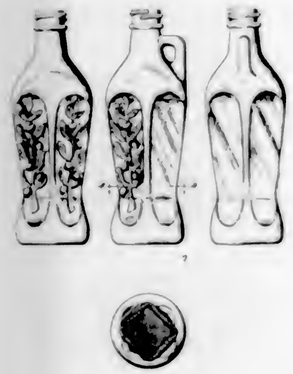
The ornamental design for a combined jug and container, substantially as shown.

126,428
DESIGN FOR A BOTTLE
Laurence J. Colwell, New York, N. Y., assignor to Charles of the Ritz, Inc., New York, N. Y., a corporation of Delaware
Application December 17, 1940, Serial No. 97,403
Term of patent 14 years



The ornamental design for a bottle, as shown.

126,429
DESIGN FOR A BOTTLE
William S. Crisafulli, Brooklyn, N. Y.
Application February 14, 1941, Serial No. 99,003
Term of patent 7 years



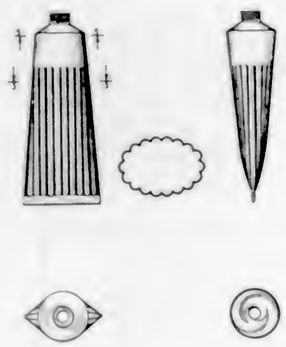
The ornamental design for a bottle, as shown.

126,430
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application February 20, 1941, Serial No. 99,129
Term of patent 7 years



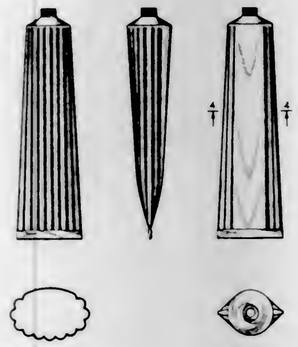
The ornamental design for a textile fabric, substantially as shown.

126,431
DESIGN FOR A COLLAPSIBLE TUBE
Donald Deskey, Annandale, N. J., assignor to Bristol-Myers Company, New York, N. Y., a corporation of Delaware
Application December 5, 1940, Serial No. 97,085
Term of patent 14 years



The ornamental design for a collapsible tube, as shown and described.

126,432
DESIGN FOR A COLLAPSIBLE TUBE
Donald Deskey, Annandale, N. J., assignor to Bristol-Myers Company, New York, N. Y., a corporation of Delaware
Application December 5, 1940, Serial No. 97,086
Term of patent 14 years



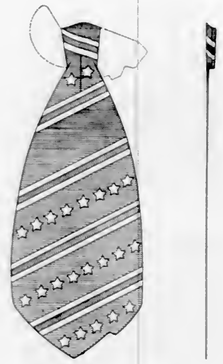
The ornamental design for a collapsible tube, as shown.

126,433
DESIGN FOR A SPRAY HEAD
Edward W. Enthof, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application July 19, 1940, Serial No. 93,782
Term of patent 14 years



The ornamental design for a spray head, substantially as shown and described.

126,434
DESIGN FOR A NECKTIE
George W. French, Chicago, Ill.
Application August 16, 1940, Serial No. 94,448
Term of patent 7 years



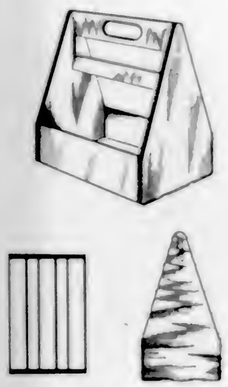
The ornamental design for a necktie, as shown.

126,435
DESIGN FOR A SACHET
Louise M. Hartvig, New York, N. Y., assignor to Mary Douglas, Inc., New York, N. Y., a corporation of New York
Application February 8, 1941, Serial No. 98,841
Term of patent 3½ years



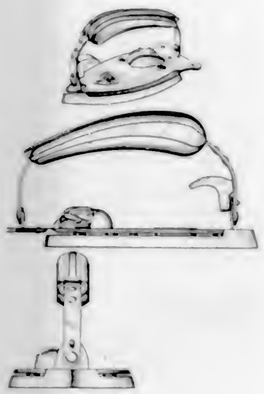
The ornamental design for a sachet, as shown.

126,436
DESIGN FOR A BOTTLE CARRIER
Edward W. Hutchings, Perry, Fla.
Application November 12, 1940, Serial No. 96,501
Term of patent 14 years



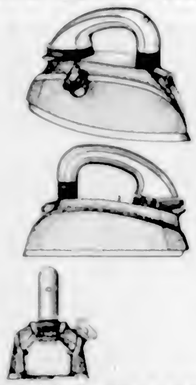
The ornamental design for a bottle carrier, as shown.

126,437
DESIGN FOR A SADIRON OR THE LIKE
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 21, 1941, Serial No. 98,237
Term of patent 7 years



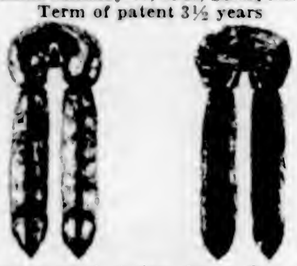
The ornamental design for a sadiron or the like, substantially as shown.

126,438
DESIGN FOR A STEAM GENERATING SADIRON
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application February 3, 1941, Serial No. 98,711
Term of patent 7 years



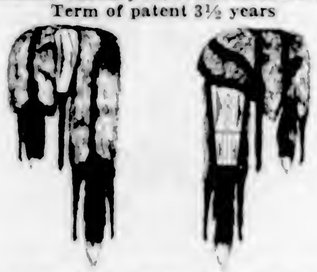
The ornamental design for a steam generating sadiron, substantially as shown.

126,439
DESIGN FOR A FUR SCARF
Omar Kiam, New York, N. Y.
Application January 27, 1941, Serial No. 98,442
Term of patent 3½ years



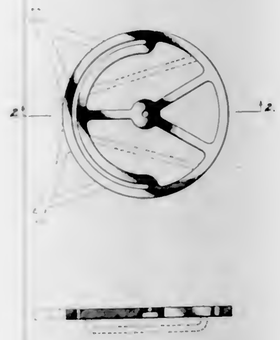
The ornamental design for a fur scarf, as shown.

126,440
DESIGN FOR A FUR SCARF
Monroe Sherwin, New York, N. Y.
Application January 29, 1941, Serial No. 98,489
Term of patent 3½ years



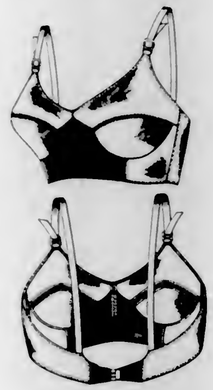
The ornamental design for a fur scarf, as shown.

126,441
DESIGN FOR AN IRONING BOARD BRACKET
Stephen F. Slawski, Culver City, Calif.
Application August 24, 1940, Serial No. 94,612
Term of patent 14 years



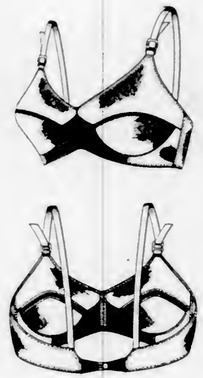
The ornamental design for an ironing board bracket, substantially as shown and described.

126,442
DESIGN FOR A BRASSIÈRE OR THE LIKE
William Rosenthal, New York, and Charles M. Sachs, Brooklyn, N. Y., assignors to Maiden Form Brassière Company, Inc., New York, N. Y., a corporation of New York
Application January 23, 1940, Serial No. 89,650
Term of patent 14 years



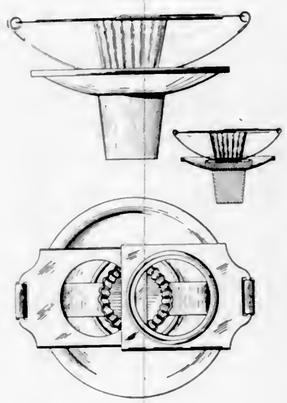
The ornamental design for a brassière or the like, substantially as shown and described.

126,443
DESIGN FOR A BRASSIÈRE OR THE LIKE
William Rosenthal, New York, and Charles M. Sachs, Brooklyn, N. Y., assignors to Maiden Form Brassière Company, Inc., New York, N. Y., a corporation of New York
Application January 23, 1940, Serial No. 89,651
Term of patent 14 years



The ornamental design for a brassière or the like, substantially as shown and described.

126,444
DESIGN FOR A CANDLE HOLDER
Jozsef Weinstok, Brooklyn, N. Y.
Application December 30, 1940, Serial No. 97,704
Term of patent 7 years



The ornamental design for a candle holder, as shown.

126,445
DESIGN FOR A DRESS
Gilberte Andreé, New York, N. Y.
Application January 31, 1941, Serial No. 98,572
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,446
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application February 10, 1941, Serial No. 98,879
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown.

126,447
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application February 10, 1941, Serial No. 98,880
Term of patent 3½ years



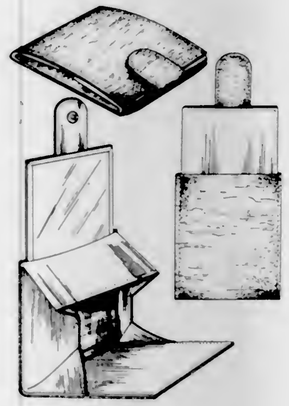
The ornamental design for a dress or similar article, as shown and described.

126,448
DESIGN FOR A DRESS
Abraham H. Bleich, Newton, Mass.
Application January 24, 1941, Serial No. 98,371
Term of patent 7 years



The ornamental design for a dress, as shown.

126,449
DESIGN FOR A COMBINED MIRROR AND COMPACT
David W. Dunberg, New York, N. Y.
Application March 13, 1941, Serial No. 99,544
Term of patent 7 years



The ornamental design for a combined mirror and compact, as shown and described.

126,450
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application January 27, 1941, Serial No. 98,450
Term of patent 3½ years



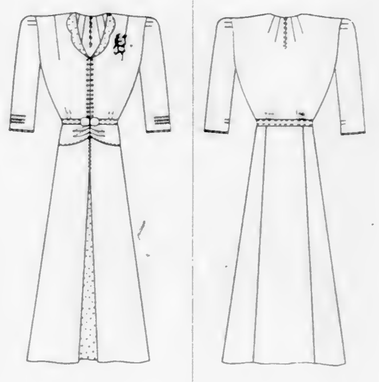
The ornamental design for a dress, as shown and described.

126,451
DESIGN FOR A DRESS ENSEMBLE OR SIMILAR ARTICLE
Ann Florek, Chicago, Ill.
Application September 21, 1940, Serial No. 95,248
Term of patent 3½ years



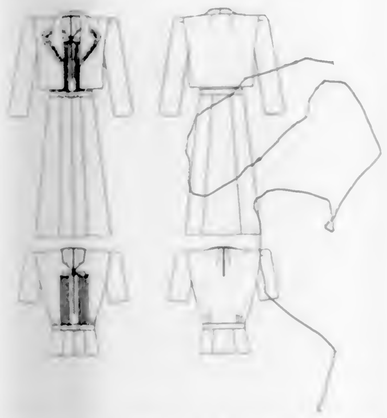
The ornamental design for a dress ensemble or similar article, substantially as shown.

126,452
DESIGN FOR A DRESS
Morton Goodman, New York, N. Y.
Application January 31, 1941, Serial No. 98,567
Term of patent 3½ years



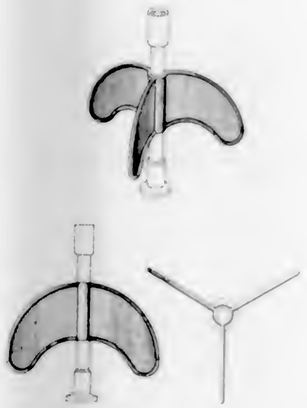
The ornamental design for a dress, as shown.

126,453
DESIGN FOR A DRESS ENSEMBLE
Morton Goodman, New York, N. Y.
Application January 31, 1941, Serial No. 98,568
Term of patent 3½ years



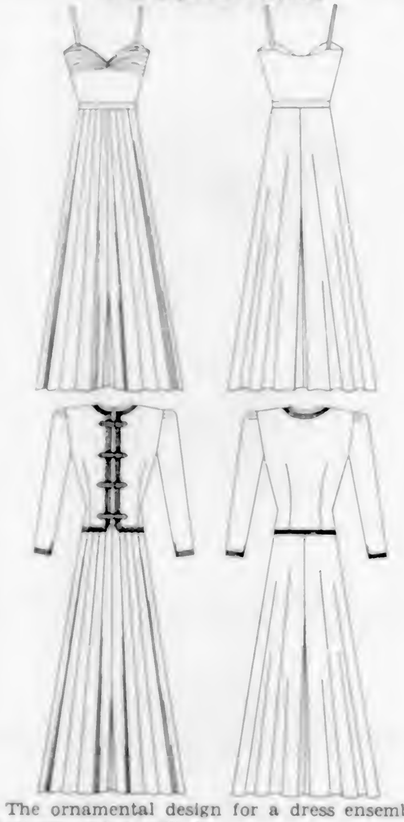
The ornamental design for a dress ensemble, as shown.

126,454
DESIGN FOR A WASHING MACHINE AGITATOR
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 27, 1940, Serial No. 95,438
Term of patent 7 years



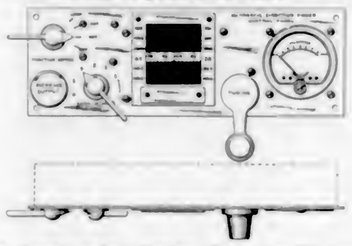
The ornamental design for a washing machine agitator, substantially as shown and described.

126,455
DESIGN FOR A DRESS ENSEMBLE
Jack Herzog, New York, N. Y.
Application January 11, 1941, Serial No. 98,000
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown and described.

126,456
DESIGN FOR A RADIO CONTROL PANEL UNIT
William P. Lear, Dayton, Ohio, assignor to Lear Avia, Inc., Dayton, Ohio, a corporation of Illinois
Application July 13, 1940, Serial No. 93,600
Term of patent 14 years



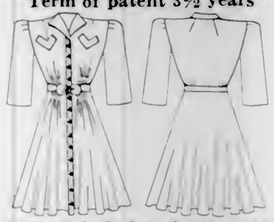
The ornamental design for a radio control panel unit, substantially as shown.

126,457
DESIGN FOR A DRESS
Ottilie Conrad Nadel, New York, N. Y.
Application February 1, 1941, Serial No. 98,640
Term of patent 3½ years



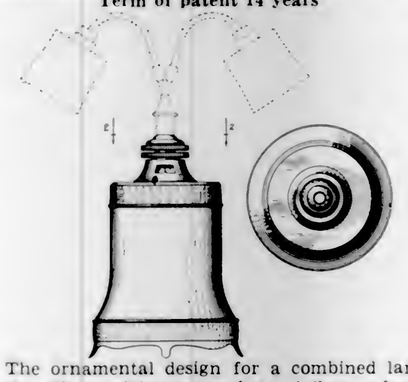
The ornamental design for a dress, substantially as shown.

126,458
DESIGN FOR A COAT
Edna Breer, New York, N. Y.
Application January 4, 1941, Serial No. 97,821
Term of patent 3½ years



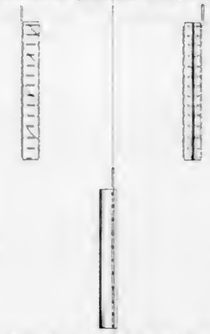
The ornamental design for a coat, substantially as shown.

126,459
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application February 3, 1941, Serial No. 98,703
Term of patent 14 years



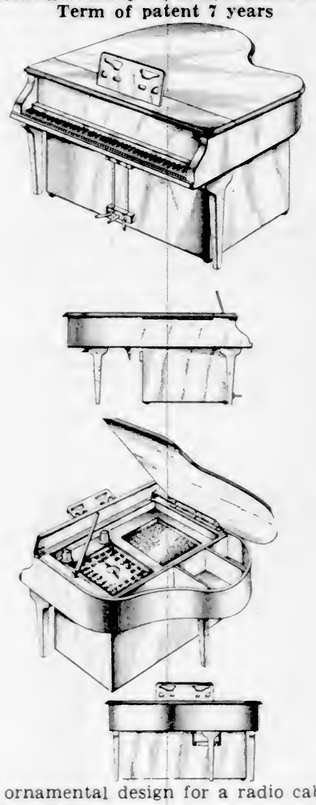
The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

126,460
DESIGN FOR A TRANSPARENT BRAID OR SIMILAR ARTICLE
Jacob Fishman, New York, N. Y.
Application October 30, 1940, Serial No. 96,190
Term of patent 3½ years



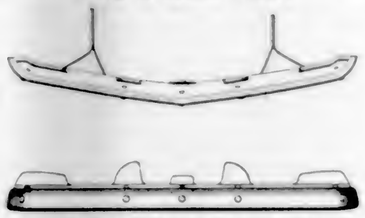
The ornamental design for a transparent braid or similar article, as shown and described.

126,461
DESIGN FOR A RADIO CABINET OR THE LIKE
Lester K. Franklin, Los Angeles, Calif.
Application January 13, 1941, Serial No. 98,008
Term of patent 7 years



The ornamental design for a radio cabinet or the like, as shown.

126,462
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 7, 1940, Serial No. 94,858
Term of patent 7 years



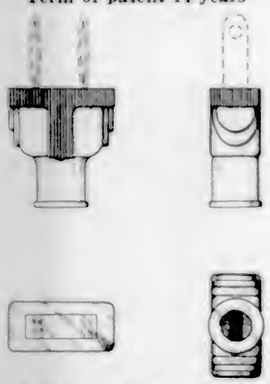
The ornamental design for an automobile bumper or similar article, as shown.

126,463
DESIGN FOR A COMBINED BUMPER AND BUMPER GUARD OR SIMILAR ARTICLE
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 7, 1940, Serial No. 94,859
Term of patent 7 years



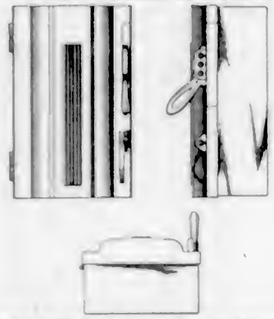
The ornamental design for a combined bumper and bumper guard or similar article, as shown.

126,464
DESIGN FOR AN ATTACHMENT PLUG CAP
Louis Ludwig, Brooklyn, N. Y.
Application February 4, 1941, Serial No. 98,739
Term of patent 14 years



The ornamental design for an attachment plug cap, as shown.

126,465
DESIGN FOR AN ELECTRIC SAFETY SWITCH
Ralph A. Millermaster, Milwaukee, and Clifford Brooks Stevens, Fox Point, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 2, 1941, Serial No. 97,774
Term of patent 14 years



The ornamental design for an electric safety switch, substantially as shown.

126,466
DESIGN FOR A SPARK PLUG
Brace H. Sibley, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application May 10, 1940, Serial No. 92,276
Term of patent 14 years



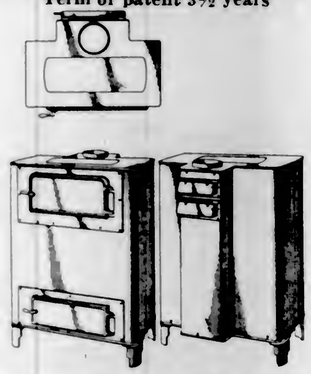
The ornamental design for a spark plug, substantially as shown and described.

126,467
DESIGN FOR A SPARK PLUG
Brace H. Sibley, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application May 10, 1940, Serial No. 92,278
Term of patent 14 years



The ornamental design for a spark plug, substantially as shown and described.

126,468
DESIGN FOR A STOVE
Paul Wingert, Montpelier, Ohio
Application February 17, 1941, Serial No. 99,049
Term of patent 3½ years



The ornamental design for a stove, as shown.

126,469
DESIGN FOR A MAN'S SHIRT OR SIMILAR ARTICLE
Joe Brand, Laredo, Tex.
Application January 30, 1941, Serial No. 98,550
Term of patent 7 years



The ornamental design for a man's shirt or similar article, as shown.

126,470
DESIGN FOR A REDINGOTE
Edna Breer, New York, N. Y.
Application January 7, 1941, Serial No. 97,838
Term of patent 3½ years



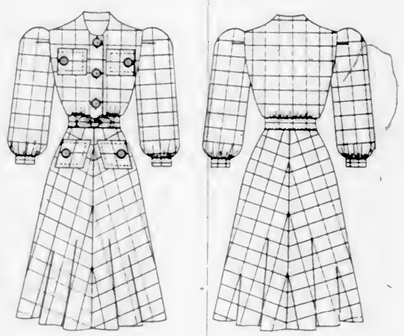
The ornamental design for a redingote, substantially as shown.

126,471
DESIGN FOR A DRESS ENSEMBLE
Samuel Gopen, New York, N. Y.
Application February 19, 1941, Serial No. 99,110
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown and described.

126,472
DESIGN FOR A DRESS
Virginia Gray, St. Louis, Mo.
Application February 19, 1941, Serial No. 99,108
Term of patent 3½ years



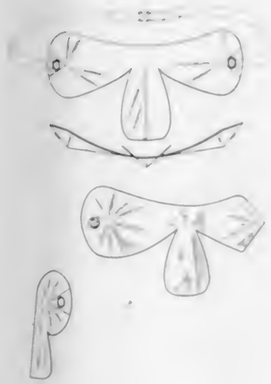
The ornamental design for a dress, as shown.

126,473
DESIGN FOR A WOVEN CELLOPHANE AND COTTON FABRIC OR SIMILAR ARTICLE
Frank C. Green, Great Neck, N. Y., assignor to Dazian's Incorporated, New York, N. Y.
Application December 26, 1940, Serial No. 97,608
Term of patent 3½ years



The ornamental design for a woven Cellophane and cotton fabric or similar article, substantially as shown and described.

126,474
DESIGN FOR A SUN MASK
Joanna Maria Higersberger, New York, N. Y.
Application January 24, 1941, Serial No. 98,343
Term of patent 3½ years



The ornamental design for a sun mask, as shown and described.

126,475
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application February 25, 1941, Serial No. 99,209
Term of patent 3½ years



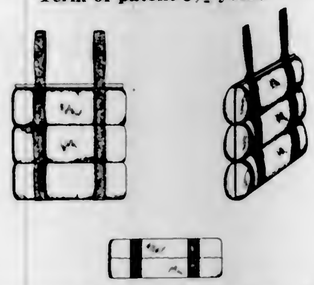
The ornamental design for a brooch pin or similar article, substantially as shown.

126,476
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application February 25, 1941, Serial No. 99,210
Term of patent 3½ years



The ornamental design for a brooch pin or similar article, substantially as shown.

126,477
DESIGN FOR A BEACH BAG
Tina Leser, New York, N. Y.
Application March 13, 1941, Serial No. 99,555
Term of patent 3½ years



The ornamental design for a beach bag, as shown.

126,478
DESIGN FOR A SHOE
William Lipp and Frank Hirsch, New York, N. Y.
Application November 16, 1940, Serial No. 96,633
Term of patent 3½ years



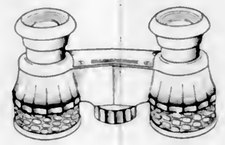
The ornamental design for a shoe, substantially as shown.

126,479
DESIGN FOR A COAT
Application January 31, 1941, Serial No. 98,586
Max Lynn, New York, N. Y.
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,480
DESIGN FOR A FIELD GLASS
Hervey L. MacCowan, Wilmette, Ill., assignor to Fee and Stemwedel, Inc., Chicago, Ill.
Application August 14, 1940, Serial No. 94,410
Term of patent 7 years



The ornamental design for a field glass, as shown and described.

126,481
DESIGN FOR AN ANKLET
Alfred Marum, Lawrence, Mass.
Application December 17, 1940, Serial No. 97,393
Term of patent 3½ years



The ornamental design for an anklet, substantially as shown.

126,482
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 27, 1941, Serial No. 99,237
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

126,483
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 27, 1941, Serial No. 99,238
Term of patent 3½ years



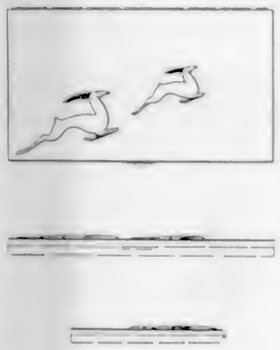
The ornamental design for a pin clip, as shown.

126,484
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 27, 1941, Serial No. 99,239
Term of patent 3½ years



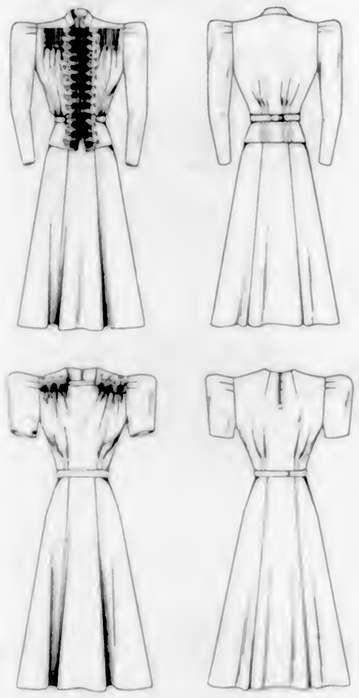
The ornamental design for a pin clip, as shown.

126,485
DESIGN FOR A RECEPTACLE FOR CIGARETTES AND OTHER ARTICLES
Alfred F. Reilly, North Attleboro, Mass.
Application January 29, 1941, Serial No. 98,514
Term of patent 7 years



The ornamental design for a receptacle for cigarettes and other articles, substantially as shown and described.

126,486
DESIGN FOR A DRESS ENSEMBLE
Samuel Riesenberg, New York, N. Y.
Application November 12, 1940, Serial No. 96,507
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,487
DESIGN FOR A DRESS
David Schwartz, New York, N. Y.
Application February 3, 1941, Serial No. 98,700
Term of patent 3½ years



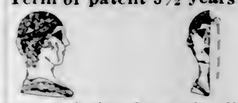
The ornamental design for a dress, substantially as shown.

126,488
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Victor Silson, New York, N. Y.
Application February 27, 1941, Serial No. 99,234
Term of patent 3½ years



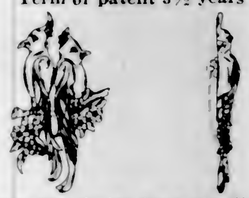
The ornamental design for a bracelet or similar article, as shown.

126,489
DESIGN FOR A PIN CLIP
Victor Silson, New York, N. Y.
Application February 27, 1941, Serial No. 99,235
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

126,490
DESIGN FOR A PIN CLIP
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application March 3, 1941, Serial No. 99,316
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

126,491
DESIGN FOR A DRESS
Samuel Ancell, New York, N. Y.
Application March 6, 1941, Serial No. 99,392
Term of patent 3½ years



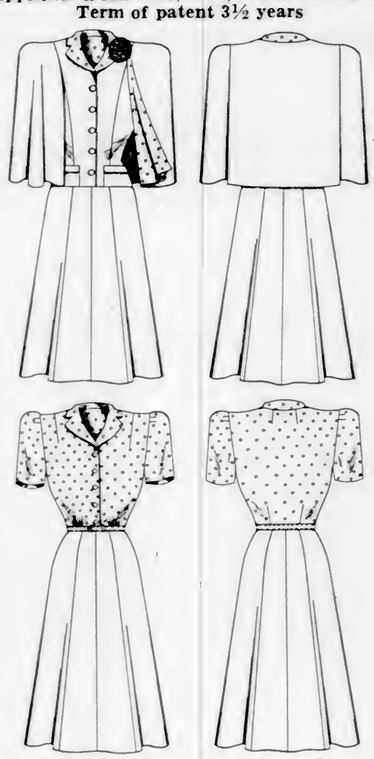
The ornamental design for a dress, as shown.

126,492
DESIGN FOR A DRESS
Netye D. Carson, New York, N. Y.
Application February 20, 1941, Serial No. 99,135
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,493
DESIGN FOR A DRESS ENSEMBLE
William Clion, Brooklyn, N. Y.
Application March 5, 1941, Serial No. 99,354
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

126,494
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application February 27, 1941, Serial No. 99,236
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,495
DESIGN FOR A DRESS
Stephanie Kay, Brooklyn, N. Y.
Application February 13, 1941, Serial No. 98,999
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,496
DESIGN FOR A DRESS
Charlotte Steiner Lubow, Woodmere, N. Y.
Application March 5, 1941, Serial No. 99,352
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,497
DESIGN FOR A DRESS
Charlotte Steiner Lubow, Woodmere, N. Y.
Application March 5, 1941, Serial No. 99,353
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,498
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,986
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,499
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,990
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,500
DESIGN FOR A DRESS
Hannah Troy, New York, N. Y.
Application February 13, 1941, Serial No. 98,998
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,501
DESIGN FOR A DRESS
Rose Bersano, Brooklyn, N. Y.
Application March 1, 1941, Serial No. 99,274
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

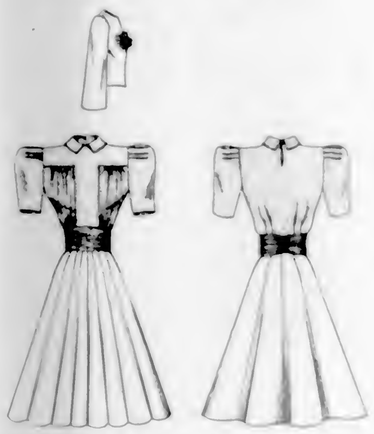
126,502
DESIGN FOR A DRESS
Rose Bersano, Brooklyn, N. Y.
Application March 1, 1941, Serial No. 99,275
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,503
DESIGN FOR A DRESS ENSEMBLE
Marie Carbotti, New York, N. Y.
Application March 3, 1941, Serial No. 99,309
Term of patent 3½ years





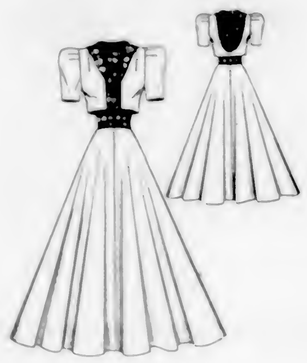
The ornamental design for a dress ensemble, substantially as shown.

126,504
DESIGN FOR A DRESS ENSEMBLE
Marie Carbotti, New York, N. Y.
Application March 3, 1941, Serial No. 99,310
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,505
DESIGN FOR A DRESS ENSEMBLE
Elizabeth Cutler, New York, N. Y.
Application March 3, 1941, Serial No. 99,313
Term of patent 3½ years



126,505—Continued



The ornamental design for a dress ensemble, substantially as shown.

126,506
DESIGN FOR A MINIATURE ELECTRIC LAMP SOCKET
Jasper Derry, Medford, Mass., assignor to Terkelsen Machine Company, Boston, Mass., a corporation of Massachusetts
Application January 30, 1941, Serial No. 98,527
Term of patent 7 years





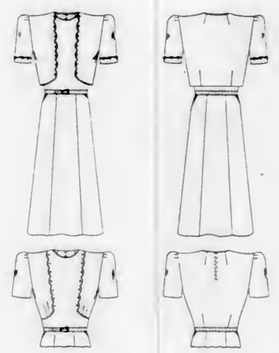
The ornamental design for a miniature electric lamp socket, substantially as shown.

126,507
DESIGN FOR A DRESS
Isidor Doctor, Chicago, Ill.
Application March 8, 1941, Serial No. 99,447
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,508
DESIGN FOR A DRESS ENSEMBLE
Marion Haon, New York, N. Y.
Application March 8, 1941, Serial No. 99,444
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,509
DESIGN FOR A DRESS
Elizabeth Hilt, New York, N. Y.
Application March 7, 1941, Serial No. 99,397
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,510
DESIGN FOR A DRESS
Lucy Hoshaflan, Forest Hills, Long Island, N. Y.
Application March 1, 1941, Serial No. 99,272
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,511
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application January 27, 1941, Serial No. 98,452
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

126,512
DESIGN FOR A DRESS
Harry Kolbrener, New York, N. Y.
Application February 28, 1941, Serial No. 99,261
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,513
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,991
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,514
DESIGN FOR A BOTTLE
Jacob Payne, Manhasset, N. Y.
Application December 9, 1940, Serial No. 97,180
Term of patent 3½ years



The ornamental design for a bottle, as shown.

126,515
DESIGN FOR A DRESS
Ruth Payne, New York, N. Y.
Application March 7, 1941, Serial No. 99,398
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,516
DESIGN FOR A DRESS
Blanche Price, Chicago, Ill.
Application March 7, 1941, Serial No. 99,394
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

525 O. G.—34

126,517
DESIGN FOR A DRESS ENSEMBLE
Sol Richman, New York, N. Y.
Application February 20, 1941, Serial No. 99,128
Term of patent 3½ years



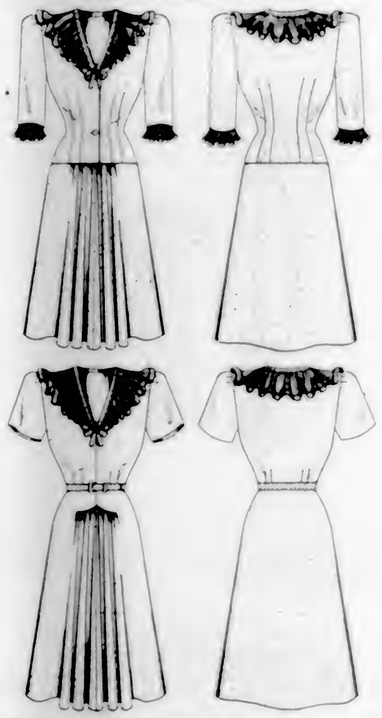
The ornamental design for a dress ensemble, substantially as shown.

126,518
DESIGN FOR A DRESS
Harry Shacter, Westport, Conn.
Application February 13, 1941, Serial No. 98,997
Term of patent 3½ years



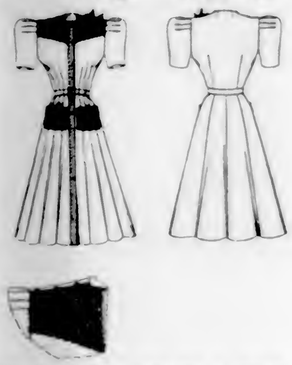
The ornamental design for a dress, substantially as shown.

126,519
DESIGN FOR A DRESS ENSEMBLE
Hannah Troy, New York, N. Y.
Application March 7, 1941, Serial No. 99,395
Term of patent 3½ years



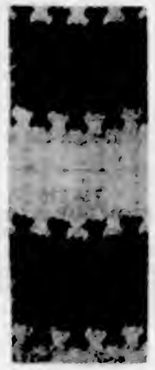
The ornamental design for a dress ensemble, substantially as shown.

126,520
DESIGN FOR A DRESS
Albert B. Weinberg, New York, N. Y.
Application March 3, 1941, Serial No. 99,307
Term of patent 3½ years



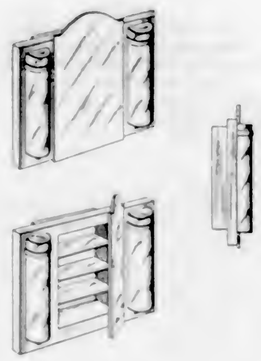
The ornamental design for a dress, substantially as shown.

126,521
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application December 21, 1940, Serial No. 97,527
Term of patent 3½ years



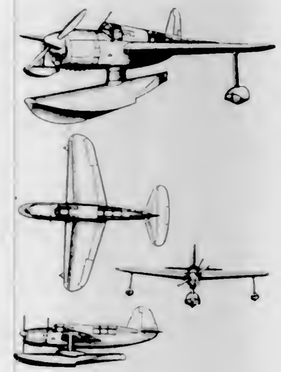
The ornamental design for a textile fabric or similar article, as shown.

126,522
DESIGN FOR A MEDICINE CABINET
Anthony J. Danese, Stockton, N. J., assignor of one-half to James Danese, Stockton, N. J.
Application January 16, 1941, Serial No. 98,131
Term of patent 14 years



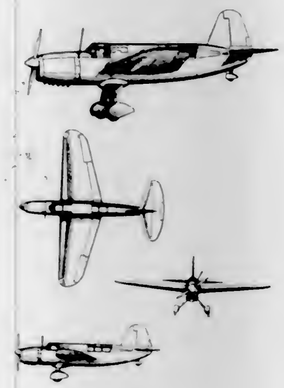
The ornamental design for a medicine cabinet, as shown.

126,523
DESIGN FOR A SEAPLANE
Bruce G. Eaton, Jr., Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 28, 1940, Serial No. 94,673
Term of patent 7 years



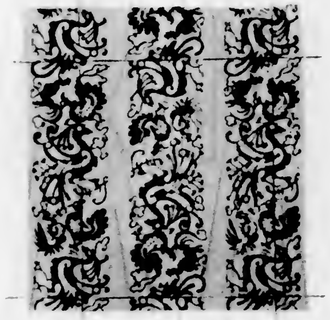
The ornamental design for a seaplane, as shown.

126,524
DESIGN FOR AN AIRPLANE
Bruce G. Eaton, Jr., Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 28, 1940, Serial No. 94,674
Term of patent 7 years



The ornamental design for an airplane, as shown.

126,525
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,572
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,526
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,582
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,527
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application February 28, 1941, Serial No. 99,270
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,528
DESIGN FOR A STOCKING OR SIMILAR ARTICLE
Charles S. Greenwald, New York, N. Y.
Application January 8, 1941, Serial No. 97,851
Term of patent 3½ years



The ornamental design for a stocking or similar article, as shown and described.

126,529
DESIGN FOR A COAT
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,989
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,530
DESIGN FOR A COAT
Philip Rosenshein, Brooklyn, N. Y.
Application February 14, 1941, Serial No. 99,002
Term of patent 3½ years



The ornamental design for a coat, as shown.

126,531
DESIGN FOR A COAT
Samuel Sandhaus, New York, N. Y.
Application February 11, 1941, Serial No. 98,925
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,532
DESIGN FOR A COAT
Horace O. Wolk, New York, N. Y.
Application February 10, 1941, Serial No. 98,883
Term of patent 3½ years



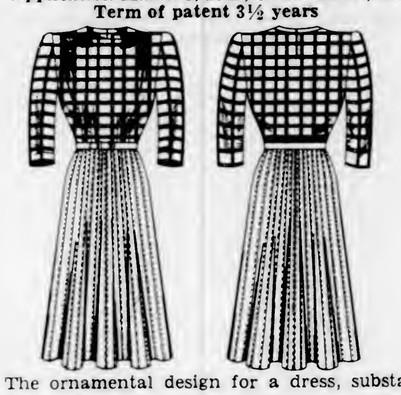
The ornamental design for a coat, substantially as shown.

126,533
DESIGN FOR A DRESS
Vivian Amen, New York, N. Y.
Application March 3, 1941, Serial No. 99,305
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,534
DESIGN FOR A DRESS
Isidor Doctor, Chicago, Ill.
Application March 8, 1941, Serial No. 99,446
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,535
DESIGN FOR A DRESS ENSEMBLE
Sadie Elmo, New York, N. Y.
Application March 10, 1941, Serial No. 99,474
Term of patent 3½ years

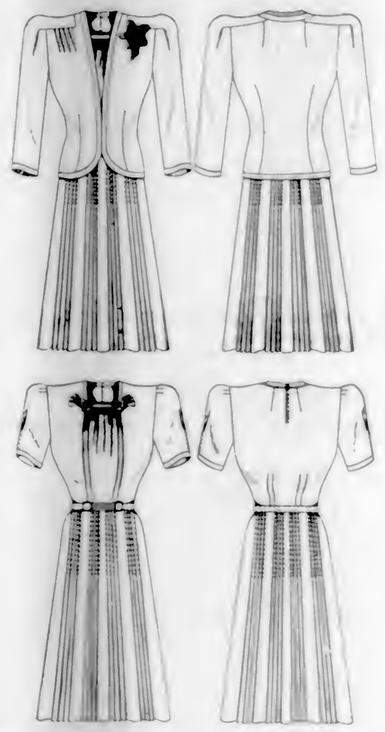


126,535—Continued



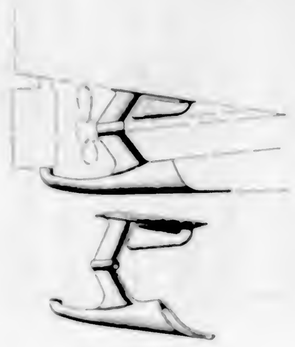
The ornamental design for a dress ensemble, substantially as shown.

126,536
DESIGN FOR A DRESS ENSEMBLE
Edna Freeman, New York, N. Y.
Application February 27, 1941, Serial No. 99,257
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,537
DESIGN FOR A COMBINED PROPELLER SHAFT STRUT AND REVERSING RUDDER
Andrew J. Higgins, New Orleans, La., assignor to Higgins Industries, Inc., New Orleans, La., a corporation of Louisiana
Application October 11, 1939, Serial No. 87,627
Term of patent 14 years



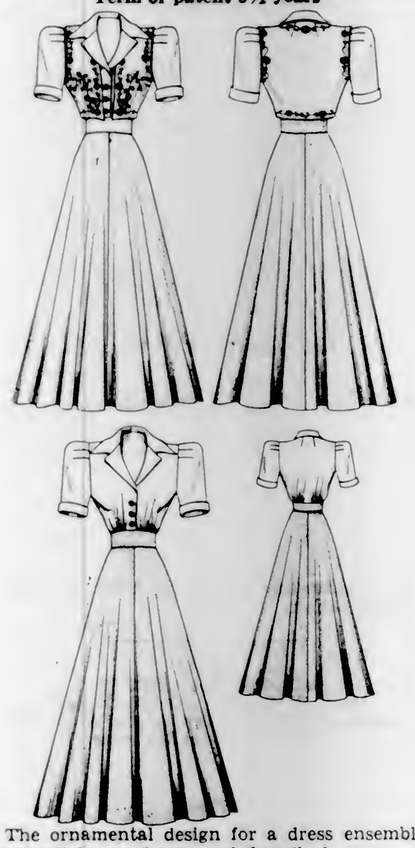
The ornamental design for a combined propeller shaft strut and reversing rudder, as shown and described.

126,538
DESIGN FOR A DRESS
Lucy Hoshaflan, Forest Hills, Long Island, N. Y.
Application March 1, 1941, Serial No. 99,271
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,539
DESIGN FOR A DRESS ENSEMBLE
Louis Katz, New York, N. Y.
Application February 10, 1941, Serial No. 98,892
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

126,540
DESIGN FOR A DRESS ENSEMBLE
Bella Kornberg, New York, N. Y.
Application March 10, 1941, Serial No. 99,479
Term of patent 3½ years



126,540—Continued



The ornamental design for a dress ensemble, substantially as shown.

126,541
DESIGN FOR A NEGLIGEE
Alice Macksoud, New York, N. Y.
Application March 7, 1941, Serial No. 99,403
Term of patent 3½ years



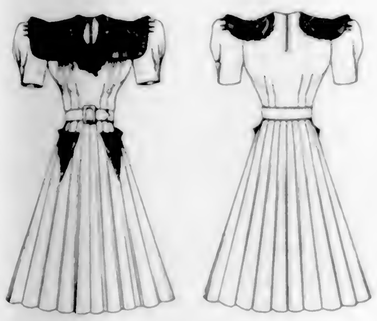
The ornamental design for a negligee, substantially as shown.

126,542
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,992
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,543
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application March 3, 1941, Serial No. 99,311
Term of patent 3½ years



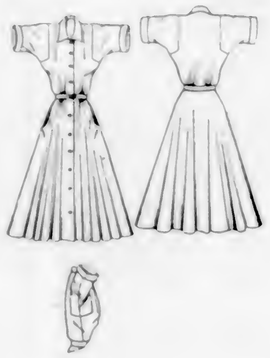
The ornamental design for a dress, substantially as shown.

126,544
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application March 10, 1941, Serial No. 99,475
Term of patent 3½ years



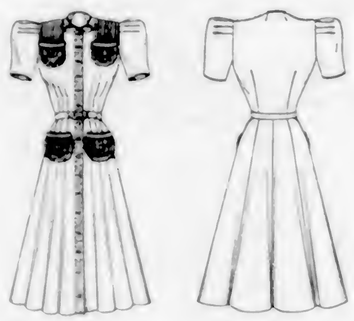
The ornamental design for a dress, substantially as shown.

126,545
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application March 10, 1941, Serial No. 99,473
Term of patent 3½ years



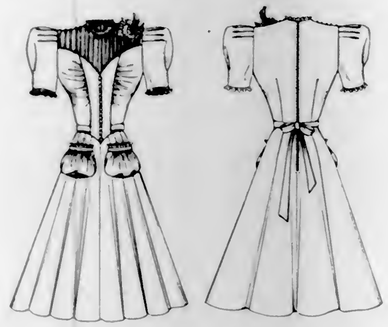
The ornamental design for a dress, substantially as shown.

126,546
DESIGN FOR A DRESS
Albert B. Weinberg, New York, N. Y.
Application March 3, 1941, Serial No. 99,306
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,547
DESIGN FOR A DRESS
Albert B. Weinberg, New York, N. Y.
Application March 3, 1941, Serial No. 99,308
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,548
DESIGN FOR A LAMP TABLE
John W. Wilson, Chicago, Ill., assignor to The Zangerle & Peterson Company, Chicago, Ill., a corporation of Illinois
Application February 4, 1941, Serial No. 98,735
Term of patent 3½ years



The ornamental design for a lamp table, as shown.

Patents Nos. 2,238,028 to 2,238,876

THE

OFFICIAL GAZETTE

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April 15, 1941

Trade-Marks	174	No. 386,462 to No.	386,635,	inclusive.
T. M. Renewals	52			
Reissues	3	No. 21,770 to No.	21,772,	inclusive.
Patents	849	No. 2,238,028 to No.	2,238,876,	inclusive.
Designs	149	No. 126,549 to No.	126,697,	inclusive.
Total	1,227			

Notice

In accordance with the provisions of Rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Wednesday, June 11, 1941.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than May 28, 1941.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

HENRY VAN ARSDALE,
Chairman of the Committee on Enrollment and Disbarment.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Mar. 26, 1941.*

B. & S. Bushman, Inc., its assigns or legal representatives, take notice.

A cancellation proceeding has been instituted by this Office upon the application of Dwinell-Wright Company, 68 Fargo Street, Boston, Mass., to effect the cancellation of registration No. 210,409, issued March 16, 1926, to B. S. & S. M. Bushman. The assignment records of this Office show a transfer of title to this registration to B. & S. Bushman, Inc., 108 Lexington Street, Baltimore, Md., who has been substituted for said B. S. & S. M. Bushman to defend the registration concerned. A notice of such proceeding sent by registered mail to B. & S. Bushman, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless B. & S. Bushman, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Order No. 3549

U. S. PATENT OFFICE, *Washington, D. C., Mar. 31, 1941.*

Upon recommendation of the Committee on Enrollment and Disbarment, Charles J. Chunn, registration No. 10,669, is hereby reinstated as an agent recognized to practice before the United States Patent Office.

CONWAY P. COE,
Commissioner.

Transfer of Class

ORDER NO. 3,551

U. S. PATENT OFFICE, *Washington, D. C., Mar. 31, 1941.*

The following transfer, effective Monday, April 7, 1941, is hereby ordered:

Class 115, Marine Propulsion, from Division 22 to Division 60.

CONWAY P. COE,
Commissioner.

Disclaimers

1,957,631.—*Milton E. Chandler*, La Grange, and *Don Cole*, Chicago, Ill. CARBURETOR. Patent dated May 8, 1934. Disclaimer filed March 26, 1941, by the assignee, *Bendix Aviation Corporation*.

Hereby enters this disclaimer to claim 14.

2,086,497.—*Peter Eduard Geldhof*, Syracuse, N. Y. CONTROL MECHANISM FOR WRINGER ROLLS OF A WASHING MACHINE. Patent dated July 6, 1937. Disclaimer filed March 25, 1941, by the assignee, *Easy Washing Machine Corporation*.

Hereby enters this disclaimer to claim 8 in said Letters Patent.

2,136,967.—*Clemma R. Raney*, Riverside, *Raymore D. MacDonald*, Western Springs, and *Samuel E. Hillblom*, Chicago, Ill. TRACTOR MOWER. Patent dated July 25, 1939. Disclaimer filed March 20, 1941, by the assignee, *International Harvester Company*.

Hereby disclaims the combination claimed in claim 1 except wherein the mower frame is carried by said housing for movement about a vertical axis with respect to the first named frame; and disclaims claim 20 in its entirety.

Condition of Applications Under Examination at Close of Business March 29, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 40,790; Trade-Mark Division, 1,302. Oldest new case, June 25, 1940; oldest amended, June 17, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
5624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 31	Nov. 8	447
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 12	Aug. 17	542
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Feb. 6	†Jan. 31	347
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Jan. 2	Nov. 22	460
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 4	Nov. 1	406
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 29	Aug. 31	1,002
5725	7. JARBOE, C. G., Optics; Photography	Sept. 26	Sept. 27	970
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Sept. 25	Sept. 23	836
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 17	Oct. 23	576
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Oct. 7	Oct. 28	263
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 11	Dec. 9	420
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Oct. 4	Oct. 4	476
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept. 21	Sept. 13	551
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 30	Nov. 29	551
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Sept. 9	Sept. 6	1,068
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 7	Dec. 6	546
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 15	Nov. 22	570
6612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 8	Nov. 6	446
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 28	Nov. 22	544
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 7	Oct. 7	342
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 14	Oct. 21	318
3600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	June 25	June 25	1,458
7624	23. BUTTNER, W. J., Registers (part)	July 29	July 23	235
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 22	Sept. 6	934
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 21	Oct. 16	511
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 8	Nov. 8	422
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Oct. 15	Oct. 3	610
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 21	Sept. 18	720
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Oct. 12	Oct. 30	657
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Dec. 9	Dec. 7	573
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 16	Oct. 15	1,377
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 20	Dec. 16	868
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Dec. 4	Dec. 5	807
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Aug. 4	Sept. 5	1335
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Oct. 2	Oct. 14	819
7902	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 10	Sept. 5	593
5686 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 16	Aug. 9	564
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 31	Aug. 10	841
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 28	Dec. 9	499
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 29	Aug. 29	1,610
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 29	Oct. 29	478
5882	42. CUTTING, H. O., Electric Signaling	Oct. 22	Nov. 16	383
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 27	Sept. 27	528
4087 B	44. HARVEY, L. P., Refrigeration	Sept. 20	Sept. 20	599
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Jan. 3	†Jan. 10	343
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 7	Nov. 7	568
6082	47. KANOF, W. J., Clutches; Brakes	Dec. 9	Nov. 12	389
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 2	Nov. 6	550
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 2	Sept. 23	794
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 30	Sept. 40	1,211
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 3	†Jan. 18	356
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 19	Nov. 18	525
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 10	Sept. 10	841
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	321
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Nov. 15	Nov. 15	341
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Aug. 26	Aug. 31	1,202
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 6	Oct. 28	177
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 20	Nov. 9	519
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Oct. 1	Oct. 2	982
5895	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Dec. 31	†Jan. 3	245
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Nov. 5	Oct. 28	381
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 3	June 17	343
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Aug. 4	Aug. 17	1,094
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Dec. 11	Dec. 9	725
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Dec. 9	Dec. 18	272
2090 B	Trade-Marks: F. A. RICHMOND	†Feb. 15	†Mar. 7	1,202
2905	Designs: H. H. KALUPY	†Feb. 3	†Feb. 18	1,003

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

HEMPHILL COMPANY, A CORPORATION OF THE STATE OF MASSACHUSETTS
v.
COE, COMMISSIONER OF PATENTS

No. 7,506. Decided February 10, 1941

[—F.(2d)—]

PATENTABILITY—KNITTING MACHINE.

Claims for a knitting machine *Held* properly rejected as unpatentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. E. W. Shepard and *Mr. Roy F. Lovell* for Hemphill Company.

Mr. William W. Cochran and *Mr. Edwin L. Reynolds* for the Commissioner of Patents.

Before GRONER, *Chief Justice*, and MILLER and RUTLEDGE, *Associate Justices*

MILLER, *A. J.:*

The claims upon which appellant seeks a patent relate to a knitting machine, constructed and adapted to knit hosiery. The Patent Office and the district court both held that no invention was involved. We have arrived at the same conclusion. The lower tribunals relied upon three references which, while differing in some respects from appellant's machine, reveal arrangements for producing stitch variations, from which a mechanic skilled in the art could, without invention, reasonably be expected to produce such improvements as are claimed by appellant. More than this is required to call for the issuance of a patent.[1]

Affirmed.

U. S. Circuit Court of Appeals—Sixth Circuit

AMERICAN CHEMICAL PAINT COMPANY
v.
FIRESTONE STEEL PRODUCTS COMPANY

No. 8,358. Decided January 17, 1941

[—F.(2d)—]

1. PATENTS—VALIDITY—CLAIMS—UNDUE BREADTH.

Claims broadly reciting thioureas as a class as constituents of a pickling bath *Held* invalid where the patentees did not show that all the members of the class had some general quality which made them effective as inhibitors.

2. SAME—SAME—SAME—SAME.

"In view of the limited authentic knowledge of the thiourea group, we think that it is peculiarly important not to deviate in this case from the salutary rule that a monopoly should not be extended to the use of a class of materials, some of the members of which are shown not to be effective in carrying out the inventive process."

3. SAME—INFRINGEMENT AND VALIDITY.

Claims 1, 2, 3, 4, 6, 8, 10, and 11 of patent to Schmidt and Lee, No. 1,608,622, *Held* invalid, and claim 12 *Held* not infringed.

4. SAME—SAME.

Gravell and Douty patent, No. 1,796,839, *Held* not infringed.

APPEAL from the United States District Court for the Northern District of Ohio, Eastern Division. Affirmed.

Messrs. Synnestvedt and Lechner, and *Messrs. Jones, Day, Cockley and Reavis* for American Chemical Paint Company.

Messrs. Williams, Rich and Morse, and *Messrs. Slabaugh, Seiberling, Huber, and Guinther* for Firestone Steel Products Company.

Before ALLEN, ARANT and MARTIN, *Circuit Judges*

ALLEN, *Cir. J.*

This appeal is from a decree dismissing a bill of complaint alleging infringement of claims 1, 2, 3, 4, 6, 8, 10, 11, and 12 of Schmidt & Lee patent, 1,608,622, issued November 30, 1926, for a process for preventing the dissolution of iron and steel in pickling baths, and Gravell & Douty, 1,796,839, issued March 17, 1931, for material for selectively controlling metal pickling baths. The case was heard by a master, who found all claims in issue, except claim 12 of Schmidt & Lee, invalid, and that this claim was not infringed. He found all claims of Gravell & Douty valid, but not infringed. The findings and conclusions of the master were adopted and confirmed by the District Court.

Both patents relate to the composition of sulphuric acid pickling baths by which scale is removed from iron and steel articles. Scale is a surface contamination usually a ferrous or ferric oxide which is formed when the hot metal is exposed to the air. If not removed, it damages the roll and prevents production of fine sheet steel. A dilute sulphuric acid bath, from 2 to 15 per cent by volume of 93 per cent sulphuric acid is generally used to remove the scale. This in turn creates serious problems, for the acid attacks the metal itself. Also through acid action on the surface of the metal, hydrogen ions liberated as atoms escape in the form of hydrogen gas. Bubbles formed from the gas break upon the surface of the bath and create unpleasant acid fumes. These fumes, in addition to being highly disagreeable, cause the teeth of workmen assigned to continuous service in the pickling room to be entirely eaten away. The solution of atomic hydrogen in steel causes the metal to become brittle, and also when the hydrogen in the metal encounters slag or sulphides, blisters occur, causing wasters.

In modern steel plants an inhibitor is used to arrest the action of the acid on the metal. The inhibitor forms a film of adsorbed material which impedes the release of the hydrogen and the con-

[1] *Textile Machine Works* v. *Louis Hirsch Textile Machines, Inc.*, 302 U. S. 490, 497; *Electric Cable Joint Co.* v. *Brooklyn Edison Co., Inc.*, 292 U. S. 69, 79: ". . . the addition must be the result of invention, not the mere exercise of the skill of the calling and not one plainly indicated by the prior art."; *Altoona Publix Theatres, Inc.*, v. *American Tri-Ergon Corp.*, 294 U. S. 477, 486; *L. Sonneborn Sons, Inc.*, v. *Coe*, 70 App. D. C. 97, 100 104 F.(2d) 230, 233.

sequent diffusion of the ferrous ions, thus minimizing the attack upon the metal and also lessening the consumption of the sulphuric acid.

While this suit was filed against appellee as user of certain inhibitors claimed to infringe, the defense has been conducted by the Monsanto Chemical Company, which is the parent company of the Rubber Service Laboratories Company, manufacturer of the inhibitors. The William M. Parkin Company bought the inhibitors and marketed them under its own trade-marks as NEP 100 and NEPowder. In 1935 a British chemical company claimed that the inhibitor manufactured by Rubber Service Laboratories Company infringed a British patent corresponding to Schmidt & Lee, and thereupon Rubber Service Laboratories Company endeavored to eliminate thioureas (the inhibitor disclosed by the Schmidt & Lee patent) from their product.[1] Since June, 1935, the old product (NEP Old) has been discontinued, and NEP New has been manufactured. Both of these chemicals are alleged to infringe. Each of them contains monophenyl and diphenyl thiourea, which are substitution products of thiourea, and they also contain ammonium thiocyanate. Appellant's experts stated that NEP 100 Old contains 10 per cent and NEP 100 New contains 2.3 per cent of thiourea. The master found thiourea present in effective amounts in NEP 100 Old and in ineffective amounts in NEP 100 New. Both the old and the new compound contained large proportions of other inhibitors. NEP 100 Old was found not to contain any effective amount of thiocyanate, while NEP 100 New had about 6 per cent of this chemical.

The Schmidt & Lee Patent

Claim 1 of the Schmidt & Lee patent is typical of the process claims, and claim 11 is typical of the patent claims. They read as follows:

"1. A process for substantially preventing the dissolution of iron and steel in sulphuric acid which consists in adding thio-urea and its substitution products to the sulphuric acid."

"11. A pickling bath for iron and steel products, comprising sulphuric acid containing a thio-urea body."

The master found that Schmidt & Lee, in teaching the effectiveness of thiourea in a pickling bath, made a novel and valuable contribution to the art, and that the patent should be given a liberal construction; but he concluded that the claims in issue, with the exception of claim 12, were invalid because the specification does not teach the use of thioureas as a class, and because the claims are not definite as to what is taught of the use of particular thioureas. He found claim 12 valid, but limited to thiourea only as distinguished from its substitution products.

No question of anticipation is involved. With reference to this patent, there is no prior art.

There were at the time of the trial 678 known thioureas. The specifications disclose three examples of the use of thiourea and thiourea substitution products in a pickling bath. No other thiourea substitution product is specifically named in the specification. Two examples describe the use of ditolyl thiourea and one the use of dixylyl thiourea. The specifications do not disclose which of the dixylyl or the ditolyl thioureas should be employed in the bath, although each of these substitution products embraces sub-classifications of thioureas. Appellee contended that many thioureas do not inhibit, and the master found that thioureas as a class are not usable for the purpose of the patent teaching, and that the patent therefore fails to make the disclosure required under the statute. He applied the rule that a class cannot be the subject of patent monopoly unless it appears that every member of the class has the characteristic relied upon for the patentable invention. *The Incandescent Lamp Patent*, 159 U. S. 465; *Corona Cord Tire Co.* v. *Dovan Chemical Corp.*, 276 U. S. 358; *Kalle & Co.* v. *Multazo Co., Inc.*, 109 F.(2d) 321 (C. C. A. 6).

Appellant attacks this finding, made by the master and concurred in by the district court, and therefore binding upon us in the absence of clear mistake. *Reynolds Spring Co.* v. *L. A. Young Industries, Inc.*, 101 F.(2d) 257 (C. C. A. 6). Bearing in mind that the burden of proving lack of patentability is on the appellee, and is a heavy one (*Mumm* v. *Jacob E. Decker & Sons*, 301 U. S. 168), we think that the finding is sustained by the requisite degree of evidence. Some 30 thioureas were subjected to exhaustive tests by qualified experts on behalf of the appellee, employing the gravimetric or loss by weight test. The gravimetric test is used in the illustration in the specification of the Schmidt & Lee patent, and is conceded by appellant's experts to be one of the usual tests. In the test of 27 thioureas by Bartram, appellee's expert, under Example 1 of the patent, 10 had no inhibiting effect, 11 had very slight effect, 1 had fair effect, and only 5 had good effect. Under Example 2 of the patent, 14 thioureas were tested, 8 of which had no effect, and the remainder only very slight effect. Under Example 3, of 18 thioureas tested, 9 were ineffective, 4 had very slight effect, and 5 were satisfactory. The variations in testimony as to the effectiveness of these thioureas are explained by the 10 per cent margin of error admitted in these calculations.

Appellant contends that all thioureas inhibit because they have the characteristic carbon-nitrogen-sulphur grouping which constitutes the active ingredient in producing the inhibiting effect. But the expert testimony relied on for this contention is so hedged about with reservation and qualification that there is no positive evidence upon the point. When an expert who is asked definitely to describe the active ingredient or grouping of the compound which does the work in the pickling bath answers, as did appellant's expert, that "apparently" it is a certain characteristic molecular structure, he has made no addition to the substantial evidence upon that subject. We conclude that appellant is

[1] Thiourea, as used in this opinion, means thiourea and its substitution products, unless otherwise specified.

not entitled under the patent to claim the use of thioureas as a class.

[1] Schmidt & Lee could not secure the exclusive right to use the entire group of thioureas and thiourea compounds without showing that all of them had some general quality which makes them effective as inhibitors. *Corona Cord Tire Co.* v. *Dovan Chemical Corp.*, supra; *The Incandescent Lamp Patent*, supra. The classification embraces chemical compounds which do not answer to the description of the specifications. While thioureas, thiourea bodies and thiourea substitutes have a fundamental molecular grouping common to all, they do not react uniformly in respect to their effectiveness in achieving the inventive concept. Hence the claims for their exclusive use cannot be sustained. *Kalle & Co.* v. *Multazo Co., Inc.*, supra.

[2] The necessity for this ruling is all the more apparent because exploration in the field of thioureas is far from complete. Douty, appellant's expert, had tested appellee's products and had extracted monophenyl thiourea, diphenyl thiourea, and ammonium thiocyanate. He used a test which involved the measurement of the rate of evolution of hydrogen gas from a pickling bath in contact with the metal, and testified that this test showed that the particular thioureas tested by him not only are inhibitors, but have a synergistic effect greatly intensifying the inhibiting quality of the product. However, Douty, who is in charge of research work for appellant, has tested only some 25 of the 678 thioureas, and it is not shown that appellant has tested any additional thioureas. Appellee's experts, as above stated, have tested some 30 thioureas. Giving the appellant the benefit of any doubt as to the actual number tested, this record shows that at the most, less than 10 per cent of the then known thioureas had been tested, so far as the parties herein showed at the time of trial. Douty stated that a great many of the substitution products had never been produced, and in explaining his tests also stated that while he followed accepted practice in analyzing for the presence of thiourea and ammonium thiocyanate,

"it must be realized that in identifying unknown organic chemicals, it is ordinarily necessary to isolate them, and it was necessary for me to experiment for some time with the material before I found acceptable methods of isolating the materials, which I subsequently identified as monophenyl-thio-urea, diphenyl-thio-urea and ammonium thio-cyanate. . . ."

In view of the limited authentic knowledge of the thiourea group, we think that it is peculiarly important not to deviate in this case from the salutary rule that a monopoly should not be extended to the use of a class of materials, some of the members of which are shown not to be effective in carrying out the inventive process. The statement in *The Incandescent Lamp Patent* case, supra (p. 474), is apposite. Here, as there, owing to the state of knowledge of this chemical field, a description covering but 3 examples of the use of thioureas is vague and uncertain with reference to the action of other thioureas, so that no one can know, except by independent experiment, how to use the other thioureas as inhibitors. Hence these claims are void because of indefiniteness.

[3] Since the claims in issue, except claim 12, are invalid, it is unnecessary to discuss the question of their infringement.

The master held that claim 12 was limited to the use of thiourea, and not infringed because while appellee's inhibitors use thiourea substitutes, they do not use thiourea.[2] This claim reads as follows:

"12. A substantially non-iron dissolving solution, comprising sulphuric acid containing less than 1% by weight of thiourea."

Thiourea is a distinct chemical substance, differing from thiourea substitutes, and the patent distinguishes between them. Since claim 12 specifies the use of thiourea and names no other thiourea product, it is clear that the master was correct in his interpretation, and that the claim is not infringed.

The Gravell & Douty Patent

This patent covered a pickling bath containing thiocyanate. Its claims read as follows:

"1. A pickling bath for metal comprising an admixture of water, acid and a thiocyanate.

"2. A pickling bath for metal comprising an admixture of water, acid, and ammonium thiocyanate."

The master limited the construction of these claims, and read them as comprehending a pickling bath composed of water, acid, and thiocyanate only. Appellee's product, NEP 100 Old, did not contain any practically effective amount of thiocyanate, NEP 100 New contains a practically effective amount of thiocyanate, combined with other effective inhibiting chemical substances.

We think that the limitation was rightly imposed. Questions of infringement of patents for compositions of matter are peculiar to themselves. Infringement depends upon the identity or equivalence of the ingredients and upon substantial sameness of the proportions in which the ingredients are used. 3 Walker on Patents (Deller's ed.), § 489. It is not enough in such cases for the purpose of establishing infringement to show that someone else has made, by using different ingredients, a composition that has the same useful qualities. *Kaumagraph Co.* v. *Superior Trademark Mfg. Co., Inc.*, 72 F.(2d) 417, 419 (C. C. A. 2). The proportions of thiocyanate used in appellee's pickling bath are different from those set forth in the patent, and the elements of the composition are substantially different. This avoids infringement. All that the appellant has shown here is that appellee, by using in a pickling bath ingredients, some of which are the same as those of appellant's patent, has made a composition of matter that has useful qualities for inhibiting, similar to those of appellant's product. *Kaumagraph Co.* v. *Superior Trademark Mfg. Co., Inc.*, supra. Cf. *American Chemical Paint Co.* v. *Reilly Tar & Chemical Corporation*, 110 F.(2d) 720 (C. C. A. 7).

Also in view of the plain language of the patent claims and specifications, the claims are not in-

[2] The word "thiourea," in the discussion of claim 12, is used in a limited sense, as distinguished from thiourea substitutes.

fringed. The specifications discuss the addition of potassium cyanide to pickling baths in order generally to improve the art, and state that the use of this chemical not only prevents acid brittleness, but tends to protect the metal to a great extent against the acid action. However, they point out that the action of the potassium cyanide is not lasting, and that poisonous gas escapes from the bath. The specifications then go on to state:

"We have discovered that if we replaced the potassium cyanide by a substance that would react with the nascent hydrogen, developed by the reaction between the acid bath and the metal being pickled, to liberate hydrocyanic acid within the bath, new and surprising results were obtained, the bath ceased to stain the work or to liberate a noticeable or objectionable amount of poisonous fumes, and a very small quantity of the added substance produced a powerful and lasting effect in selectively controlling the bath, in that after the oxide or scale was removed from the work, the corrosive effect of the bath on the work was materially reduced or checked.

"Based on our discoverey, we have invented a commercial process and a pickling adjunct which we will now describe."

It is then stated that the thiocyanates, and particularly ammonium thiocyanate, react favorably with nascent hydrogen to furnish hydrocyanic acid within the pickling bath. The concept of the patentee, then, is that the desired result is accomplished by the reaction of thiocyanate with the nascent hydrogen developed by the action of the acid on the metal. No other ingredient in the bath than acid water and thiocyanate is necessary to secure this result.

An example is given of practicing the invention by preparing a pickling bath consisting of 1,000 gallons of water, 50 gallons of sulphuric acid, 66% Baumé, and one-half pound of ammonium thiocyanate. It is suggested that a foaming agent, such as rye meal liquor, saponian, or cellulose pulp waste liquor be added to obviate the breaking of the hydrogen bubbles on the surface of the bath. A specific example of the use of the foaming agent is given with the proportions of water, sulphuric acid, ammonium thiocyanate and the cellulose pulp waste liquor stated. While the specifications suggest that other acid than sulphuric, such as hydrochloric or phosphoric, may be substituted, or that the proportions of water, acid, the control material (ammonium thiocyanate) and the foaming agent, may be varied, there is no trace of a suggestion that other inhibiting ingredients should be used.

In addition, the file-wrapper gives support to appellee's claim that this patent should be narrowly construed. As originally written, the application presented 24 claims, of which claims 11, 12, and 13 were allowed. After various amendments and cancellations, the Examiner rejected claim 11 as indefinite, because it did not state the substances which formed the composition of the bath. The claim read as follows:

"A pickling bath containing steel and a substitute from which nascent hydrogen liberates hydrocyanic acid."

The Examiner pointed out that the bath does not contain a steel, and also that the word "substitute" was not clear. The solicitor then cancelled original claim 11, and applied to have an amended claim inserted, reading as follows:

"A pickling bath for steel containing a substance from which nascent hydrogen liberates hydrocyanic acid."

This claim was rejected as indefinite and broader than applicant's disclosure, and not complying with R. S. § 4888. The Examiner stated:

"There may be many substances from which nascent hydrogen will liberate hydro-cyanic acid, which substances have not been disclosed by applicant and which substances will not act as inhibitors."

Appellant's solicitor then cancelled this claim. If a claim reading, "A pickling bath for steel, containing water, sulphuric acid, and a thiocyanate," had been allowed, appellant's contention would have had more merit. Its proposed amendment of claim 11 described a pickling bath in general terms, and a pickling bath, under this record, might contain ingredients other than water, sulphuric acid, and thiocyanate. Appellant not only proposed no new claim, retaining the original general description of the pickling bath, but the patent solicitor stated that "applicant's invention is believed properly protected in its broadest aspects by allowed claims 12 and 13."

These are the claims which now remain in the patent. These claims neither describe a bath with ingredients other than water, sulphuric acid and a thiocyanate, nor use the general word "containing." The claims definitely state that the pickling bath is comprised of water, sulphuric acid, and a thiocyanate, and the ingredients of both claims hence were limited by the applicant to the three named, and to these only.

[4] Bearing in mind the purpose of the invention, namely, the liberation of hydrocyanic acid within the bath, which is accomplished without ingredients other than those specified, and the precise statement of the ingredients of the bath, we agree with the Master that the patentee invented a pickling bath composed of and limited to water, acid, and a thiocyanate. Since NEP 100 New contains substantial amounts of other effective inhibiting chemical substances, we conclude that the patent is not infringed.

In addition, we note that the use of animal distillate and glue, both of which contain ammonium thiocyanate, is old in the inhibiting art. If the patent were to be construed with such breadth as appellant contends, it would be invalid because of anticipation.

The decree is affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HERCHENRIDER

No. 4,407. Decided February 3, 1941

[— F.(2d) —]

PATENTABILITY—METHOD AND APPARATUS FOR SURFACING STRIP MATERIAL.

Claims for a method and apparatus for surfacing strip material in which there is effected a continuous traveling movement of an abrasive strip with the material and at a lower rate of speed whereby fresh abrasive is continuously applied to the strip material to be surfaced *Held* patentable as embodying a concept not found in the references cited.

APPEAL from Patent Office. Reversed.

Mr. Archibald Martin (*Mr. Edward A. Laurence* of counsel) for Herchenrider.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting, as unpatentable over the cited prior art, claims 1, 2, 13, 14, 17, 18, and 20 to 27, inclusive, of appellant's application. No claims were allowed.

Claims 1 and 13 are illustrative of the claims on appeal and read as follows:

1. The method of surfacing strip material and the like which comprises imparting traveling movement to the material and simultaneously maintaining an abrasive strip in contact with the material and effecting continuous traveling movement of the abrasive strip with the material, at a substantially lower rate of speed.

13. Grinding and polishing apparatus comprising means for imparting traveling movement to strip material and the like, reels of abrasive strips supported at opposite sides of the path of said traveling movement of the material, means for causing the abrasive strips to be continuously advanced through traveling movement of said material, and means for retarding the rate at which the abrasive strips will be withdrawn from said reels, to a speed which is slower than that at which the material travels.

The references cited are: Sawyer et al., 177,018, May 2, 1876; Haighs et al., (British), 257,187, August 26, 1926; Mulholland, 1,847,410, March 1, 1932; Munday, 1,918,483, July 18, 1933; Remington, 1,921,039, August 8, 1933.

The alleged invention relates to a method of grinding or polishing metal strips or sheets, and to apparatus for carrying out the method.

Appellant's apparatus is well illustrated in Figure 4 of his drawings. This shows a machine for grinding or polishing metal strips in which the metal strip is continuously advanced through the machine by means of feed rolls or the like. The metal strip passes between a lower roll, called a billy, and an upper roll, called the presser roll. Located on opposite sides of these rolls, and above them, are two reels, one to hold a supply of abrasive strip material in the form of a roll, and the other to function as a take-up reel for the abrasive strip material after it passes between the upper roll and the upper side of the metal strip. Similarly, on opposite sides of the rolls, but below them, are two reels, one to hold a supply of abrasive strip material, and the other to act as a take-up reeel for this abrasive material after it passes between the billy roll and the under side of the metal strip. The presser roll is mounted in such manner that it may be moved toward or away from the billy roll, thereby enabling the pressure between the metal strip and the abrasive material on its opposite sides to be adjusted as desired. As stated in the application, as the metal strip passes through the machine it will draw the abrasive strips along with it. However the rate of movement or feed of the abrasive strips is retarded since the reels from which the abrasive strips are fed are controlled in speed through gear connection with an electric motor. Thus the feed of the abrasive material is kept relatively slow compared with the feed of the metal strip, with the result that a continuous grinding or polishing action takes place between the metal strip and the abrasive strips, and there is a continuous movement of new abrasive material into and out of contact with the metal strip as it passes through the machine, effecting uniform scouring of the metal strip material throughout its entire length. It may also be said in passing that the particular type of apparatus shown in said Figure 4 is capable of being reversed so that the take-up reels become the supply reels and vice versa.

The patent to Sawyer et al. relates to apparatus for sanding one or both sides of flat stock of varying thicknesses. The sanding operation is brought about by having the stock, as it moves through feed rolls, in contact with a belt coated with sand or emery. This belt is of the endless type which travels over two pulleys, one of which is power-driven. Of course, where it is desired to sand both sides of the stock, two belts are employed, one on each side of the stock. It is apparent that each area of the abrasive moves repeatedly into engagement with the flat stock.

The patent to Haighs et al. also relates to a sanding machine for wood working purposes. This also involves the use of an endless belt of sandpaper or similar material rotated about pulleys.

The patent to Mulholland relates to a machine for polishing thin metal plates, and is cited by the Patent Office tribunals as showing it to be old to use back-up rolls to support the work supporting roll. In this patent a work supporting roll is shown which rests upon two back-up rolls positioned on either side of it.

The patent to Munday is for a means of truing the peripheral contour of commutators or slip rings on rotary electric machines, and involves the use of a strip abrasive material which is pressed against the commutator or slip ring by means of pressure blocks inserted in the brush holders. The direction of abrading action may be in the same direction as the movement of the workpiece or commutator, and retarded feed of the abrasive strip material is effected through the use of an escapement mechanism which limits the rotation of the supply roll holding the abrasive material.

The patent to Remington relates to apparatus and method for grinding and polishing band saws. The band saw is disposed around two pulleys, one of which is motor driven; arranged on opposite sides of the band saw is a pair of motor driven grinding wheels of the cup or ring type. Provision is made for moving these grinding wheels toward or away from each other so that the pressure upon the band saw as it passes between these grinding wheels may be adjusted as desired. Each of the grinding wheels is individually driven by motor, and the speed of each is separately controlled by suitable means. Here also the same abrasive ma-

terial repeatedly comes into contact with the band saw.

Claims 1, 2, 17, 18, 20, 21, and 22 of appellant's application are method claims; the remaining claims are apparatus claims.

The Examiner in his statement applied the references to the claims in the following language:

Claims 1, 2, 13, 14, 17, 18, 20, 21, 22, 23, 24, and 25 were rejected as unpatentable over patent to Remington in view of patent to Munday. Remington, on page 2, lines 84 to 96, describes how the tool moves very slowly and the work strip at a rapid rate. The patent to Munday also moves the surface of the work over the tool at a high rate of speed while the abrasive tool is feeding slowly. And like Remington, the abrading action is in a direction parallel to the path of travel of the material being surfaced. No invention would be involved in using the abrasive tool of Munday on the machine of Remington in place of the grinding wheels of Remington. The escapement mechanism of Munday could be so geared that the feed could be made as nearly continuous as desired. It is further believed to require only mechanical skill to substitute a motor for the escapement mechanism of Munday.

Claims 17, 18, 20, 21, and 22 were rejected as unpatentable over patent to Sawyer in view of patent to Munday. The tool mechanism of Munday could obviously be used on the machine of Sawyer. Munday shows that it is old to have the surface of the work move at a much more rapid rate than the tool.

Claims 26 and 27 were rejected as unpatentable over patent to Haighs et al. in view of patent to Mulholland. Mulholland shows it to be an old expedient to use back up rolls to support the work supporting roll. No invention would therefore be involved in using in the Haighs machine back up rolls for the support rolls (C) in the manner shown by Mulholland.

The material part of the decision of the Board of Appeals affirming the decision of the Examiner is short and reads as follows:

The method claims do not distinguish definitely over the references as stated by the Examiner. Munday may use an escapement mechanism to permit slow motion only, but it is obvious that a brake could be used. In any event, even when the escapement mechanism is used a substantially continuous feed could be effected.

The apparatus claims likewise fail to clearly distinguish over the references. See Fig. 12 of Munday where the abrasive is wound up at a predetermined rate and unwound at 198• to provide a substantially continuous feed.

Claims 26 and 27 do not appear to be allowable as stated by the Examiner.

It is clear that the references disclose all of the elements of the claims except that calling for "continuous traveling movement of the abrasive strip with the material," as described in claim 1, and in substantially the same language in each of the other claims.

One of the principal objects of appellant's claimed invention is stated in his specification as follows:

Another object of my invention is to provide means for continuously supplying fresh abrasive to a moving strip, and to, therefore, effect uniform scouring of the strip throughout its entire length.

The specification further states that the material to be polished may be moved forwardly at anywhere from fifty feet per minute to five hundred feet per minute, while the abrasive strips are caused to advance at from six inches to eighteen inches per minute.

In appellant's method and apparatus no part of the work engages a given area of the abrasive more than once, and the abrasive constantly moves forward at a uniform rate. It is admitted by the Patent Office tribunals that this is not true of any of the references. The reference most nearly approaching appellant's method is the patent to Munday, who employs an escapement mechanism to regulate the forward movement of the abrasive strip. It is obvious that under Munday's concept the abrasive strip would be given an intermittent or step by step movement, and that each area of the commutator would come into engagement with the same portion of the abrasive strip many times. If, instead of a commutator, a steel strip is polished in Munday, it is plain that the polishing of the strip would be much greater at the beginning of the intermittent stop of the abrasive strip than at the end thereof.

This seems to have been recognized by the Examiner when he stated that "The escapement mechanism of Munday could be so geared that the feed could be made as nearly continuous as desired," and that it would require only mechanical skill to substitute a motor for the escapement mechanism of Munday. The Board of Appeals was of the opinion that the intermittent movement of the abrasive strip permitted by the escapement mechanism of Munday is "continuous" within the meaning of the claims, but in this view appellant's entire conception would have to be ignored.

We are clearly of the opinion that the words "continuous traveling movement" and equivalent words in the claims mean movement without interruption such as would occur with the employment of an escapement mechanism.

With respect to the statement of the Board of Appeals that Figure 12 of Munday shows a substantially continuous feed of the abrasive strip, this cannot be agreed to for the reason that the patent states that in the construction shown in that drawing an escapement mechanism is also provided.

With respect to the statement of the Board that a brake could be used in Munday's structure in lieu of the escapement mechanism, and also the statement of the Examiner that the escapement mechanism of Munday could be so geared that the feed could be made as nearly continuous as desired, we think due consideration was not given to appellant's concept that an improved result could be secured by continuously supplying fresh abrasive to a moving strip to be polished, thereby effecting uniform scouring of the strip throughout its entire length.

This concept is not found in any of the references, and should be considered in connection with the steps provided for carrying out such concept. *In re Earle et al.*, 26 C. C. P. A. (Patents) 974, 102 F.(2d) 232, 506 O. G. 1025; *Rosemary Mfg. Co.* v. *Halifax Cotton Mills, Inc.*, 257 Fed. 321, 265 O. G. 461.

We find nothing in the references, either singly or combined, that suggests the combination of elements set out in the method claims, nor do we think that such combination would be obvious to one skilled in the art.

With respect to the apparatus claims the Examiner held that Munday's escapement mechanism could be so regulated that the feed of the abrasive would be as nearly continuous as desired. If the Examiner is correct in this we should hold the apparatus claims to be unpatentable over Munday.

However, we are not in agreement with the view of the Examiner that Munday's escapement mechanism could be so operated as to accomplish the same object as does the apparatus claimed by appellant. Any escapement must operate intermittently, and even if highly geared it would result in periodic, jerky pulls on the abrasive strip, making it impossible to secure the results which are obtained by appellant's apparatus.

However, in dealing with apparatus claims, the question remains whether, giving the elements of the claims a broad construction, they are so drawn as to distinguish in a patentable sense over the prior art. Specifically, if, as suggested by the Examiner, the escapement mechanism of Munday could be operated with sufficient rapidity to satisfy the element of the claims providing for "means for causing the abrasive strips to be continuously advanced through traveling movement of said material," giving to such element a broad construction, then the claims should be rejected. We are of the opinion that there is such doubt upon this point as to warrant the allowance of the apparatus claims under the well-established rule that doubt on the question of patentability of claims should be resolved in favor of the applicant.

Accordingly we hold, for the reasons hereinbefore stated, that all of the claims before us are patentable over the references cited, and the decision of the Board of Appeals is reversed.

Reversed.

Changes in Classification

Order No. 3548, March 26, 1941, directs:

In *class 255, Earth Boring* (Division 32), establish the following subclasses and definitions:

1.4 **Sampling.**
1.6 **Bore detecting.**
1.8 **Methods.**

1.4. Earth boring processes and apparatus, not elsewhere provided for, involving the taking of a sample of the formation. The sample may be taken from the cuttings brought up in the drilling mud.

(1) Note.—For core drills per se, see this class, subclass 72.
(2) Note.—For gas sampling devices, see class 23, CHEMISTRY, subclass 257.
(3) Note.—For toller type sampling devices, see class 73, MEASURING AND TESTING, subclass 21.
(4) Note.—For hay and grain samplers, see class 83, MILLS, subclass 15.
(5) Note.—For sampling tubes, see class 137, WATER DISTRIBUTION, subclass 18.
(6) Note.—For devices for sampling well fluids, see class 166, WELLS, subclass 1.

1.6. Earth boring processes and apparatus peculiarly adapted to cause deflection of the drilled bore. This deflection is usually for by-passing obstructions or for correcting deviations. Whipstocks and devices for orienting them are here included.

(1) Note.—For devices for taking samples laterally of an earth bore, see this class, subclass 1.4.
(2) Note.—For orienting devices per se, see class 33, GEOMETRICAL INSTRUMENTS, particularly subclass 205 and indented subclasses.

1.8. Processes falling within this class and not provided for in subclasses 1.4 and 1.6 above.

Note.—For processes of forming and operating wells, see class 166, WELLS, subclass 21.

The patents contained in these subclasses have been taken for the most part from class 255, subclass 1.

In *class 33, Geometrical Instruments* (Division 62), subclass 205, in the note change "1" to *1.4*.

In *class 62, Refrigeration* (Division 44), main class definition, under "Search classes" add:

99—FOODS AND BEVERAGES, particularly subclass 192 and indented subclasses, and see the note to subclass 192 for the line.

In *class 74, Machine Elements and Mechanisms* (Division 12), subclass 41, in the note cancel "1".

In *class 97, Plows* (Division 1), subclass 50, in the note preceding "51" add *47, 48, 49*.

In *class 99, Foods and Beverages* (Division 63), subclass 192, cancel the note and substitute:

Note.—See class 62, REFRIGERATION, for refrigerating apparatus and for refrigerating processes not restricted to foods in the claims, except processes of congelation of liquids such as fruit juices and ice cream. Patents claiming both apparatus and process are classified, as between classes 62 and 99, on the process. Packages having therein solidified gaseous refrigerant and not limited in the claims to having food therein are in class 62, subclass 91.5.

In *class 166, Wells* (Division 32), subclass 21, in the reference to class 255, change "1" to *1.8*.

In *class 206, Special Receptacles and Packages* (Division 40), main class definition, cancel the existing notes and substitute:

(1) Note.—Search the following classes for other special receptacles and packages:

1—NAILING AND STAPLING, subclass 56, for nail and staple packages.
6—BEE CULTURE, subclasses 10 and 11, for honey receptacles of comb type.
8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, particularly subclasses 77, 78, and 79.
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, particularly subclasses 123, 127, and 131 and their indented subclasses, for fountain receptacles with implements of the type classified in class 15.
21—PRESERVING, DISINFECTING AND STERILIZING, particularly subclasses 83 and 91, and their indented subclasses.
23—CHEMISTRY, subclass 292, for crucibles, burettes and other laboratory receptacles.
30—CUTLERY, subclasses 86 and 124 and indented subclasses, for cutlery combined with receptacles.
31—DAIRY, subclass 50 and indented subclasses, for milking pails.
42—FIREARMS, particularly subclasses 49, 50, and 87 and indented subclasses, for magazines and magazine chargers.
43—FISHING, TRAPPING AND VERMIN DESTROYING, subclasses 56 and 57, for minnow buckets.
44—FUEL AND IGNITING DEVICES.
45—FURNITURE, subclass 28 and indented subclasses, for soap holders.
46—AMUSEMENT DEVICES, TOYS, subclass 2 and indented subclasses, for money boxes, and subclass 11.
47—PLANT HUSBANDRY, subclass 34 and indented subclasses, for flower pots, and subclass 50 and indented subclasses, for sap buckets.
48—GAS, HEATING AND ILLUMINATING, subclasses 59 and 60, for carbide cartridges, and subclass 174, for gas holders.
51—ABRADING, subclass 294, for abradant-filled bags.
62—REFRIGERATION, subclass 10, for refrigerated butter dishes.
65—KITCHEN AND TABLE ARTICLES.
70—LOCKS, subclass 456 and indented subclasses, for key holders.
71—CHEMISTRY, FERTILIZERS, subclass 64.
73—MEASURING AND TESTING, subclass 62 and indented subclasses, for measuring vessels.
91—COATING, subclasses 54.4 and indented subclasses, 62.5 and indented subclasses, particularly subclass 67.1 and indented subclasses.
99—FOODS AND BEVERAGES, particularly subclass 150 and indented subclasses.
102—AMMUNITION AND EXPLOSIVE DEVICES.
116—SIGNALS AND INDICATORS, subclass 72, for poison receptacles with alarms.
126—STOVES AND FURNACES, subclass 261 and indented subclasses, for heated lunch receptacles.
128—SURGERY, subclass 1.2, for radioactive material seeds and holders.
129—PAPER FILES AND BINDERS, particularly subclass 15 and indented subclasses.
131—TOBACCO, subclass 1 and indented subclasses, particularly subclass 4 and indented subclasses, for packages of tobacco products, and subclass 231 and indented subclasses, for tobacco users' appliances combined with ash receptacles.
132—TOILET, particularly subclasses 78.5 and 79 and indented subclasses, for powder puffs and cosmetic applicators and toilet kits.
133—COIN HANDLING, particularly subclasses 9 and 11 and indented subclasses, for receptacles and packages limited to use in coin handling.

136—BATTERIES.
167—MEDICINES, POISONS AND COSMETICS.
195—CHEMISTRY, FERMENTATION, particularly subclass 54.
214—MATERIAL OR ARTICLE HANDLING, subclass 10.5, for material piles, arrangements or holders.
218—BUTTON, EYELET AND RIVET SETTING, subclass 28, for button or eyelet packages.
223—APPAREL APPARATUS, subclass 106 and indented subclasses, for spool and implement holders.
224—PACKAGE AND ARTICLE CARRIERS.
242—WINDING AND REELING, subclasses 137 and 138, for spool holding receptacles, and subclass 159 and indented subclasses, for packages of wound material.
250—RADIANT ENERGY, subclass 68 and indented subclasses, for special ray photographic cassettes.
252—COMPOSITIONS, particularly subclasses 10, 90 and indented subclasses, and 176.

(2) Note.—For other receptacles, see class 220, METALLIC RECEPTACLES, and the notes appended to the main class definition thereof.

In *class 210, Liquid Separation or Purification* (Division 49), main class definition, in the second paragraph change "204, Electrochemistry" to read *204, Chemistry, Electrical and Wave Energy.*

In *class 220, Metallic Receptacles* (Division 40), main class definition, cancel the existing notes and substitute:

(1) Note.—This is the generic class for receptacles and takes all patents for receptacles regardless of the material of which they are made, where there is no provision therefor elsewhee in the Office classification.

(2) Note.—See class 206, SPECIAL RECEPTACLES AND PACKAGES, and see the notes to the main class definition of such class.

(3) Note.—For other receptacles, see the following classes:

4, BATHS, CLOSETS, SINKS AND SPITTOONS.
27, UNDERTAKING, particularly subclass 2 and indented subclasses, for coffins.
34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, particularly subclasses 233, 237, and 238, for drying receptacles.
45, FURNITURE.
53, DOMESTIC COOKING VESSELS.
58, HOROLOGY, particularly subclasses 53 and 88 and their indented subclasses, for clock and watch cases.
65, KITCHEN AND TABLE ARTICLES.
70, LOCKS, subclasses 63 and 77 and their indented subclasses, for receptacle and closure locks where no particular structure of the receptacle is involved.
95, PHOTOGRAPHY, particularly subclass 90 and indented subclasses, for dark cabinets, and subclass 95, for trays.
98, VENTILATION, particularly subclass 52 and indented subclasses.
109, SAFES, BANK PROTECTION AND RELATED DEVICES.
119, ANIMAL HUSBANDRY, for aquariums, nests, feed bags, etc.
120, STATIONERY, for inkstands, etc.
124, MECHANICAL GUNS AND PROJECTORS, subclasses 41 and 45 and their indented subclasses, for projectile holders and carriers and magazines.
131, TOBACCO, subclass 231 and indented subclasses, for tobacco users' appliances combined with ash receiving receptacles.
139, TEXTILES, WEAVING, subclasses 389 and 390, for woven bags.
150, CLOTH, LEATHER AND RUBBER RECEPTACLES.
169, FIRE-EXTINGUISHERS, particularly subclass 30 and indented subclasses.
190, BAGGAGE.
200, ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclasses 54, 55, and 57, for switches combined with doors, locks and letter boxes.
215, BOTTLES AND JARS.
217, WOODEN RECEPTACLES.
219, ELECTRIC HEATING, particularly subclasses 35, 36, 43, and 44, for electrically heated vessels and ovens.
221, DISPENSING, for dispensing receptacles.
229, PAPER RECEPTACLES.
232, DEPOSIT AND COLLECTION RECEPTACLES.
235, REGISTERS, subclasses 32 and 100, for registering boxes.
240, ILLUMINATION, particularly subclass 6.4 and indented subclasses.
250, RADIANT ENERGY, subclass 68 and indented subclasses, for special ray film cassettes.
259, AGITATING.
263, HEATING, subclass 47 and indented subclasses.
266, METALLURGICAL APPARATUS, subclass 39.
273, AMUSEMENT DEVICES, GAMES, subclass 73, for tennis racket cases, and subclasses 144 and 145, for chance mixing and dispensing devices, such as dice cups.
280, LAND VEHICLES, subclass 11.38, for scabbards for skates.
299, FLUID SPRINKLING, SPRAYING AND DIFFUSING, appropriate subclasses, for receptacles combined with sprayers getting their supply from the receptacle, and subclass 24, for receptacles holding a slow diffusing material.
312, SUPPORTS, CABINET STRUCTURES.

(4) Note.—For related subject matter, see classes:

16, MISCELLANEOUS HARDWARE, subclass 110 and indented subclasses, for handles, and subclass 128 and indented subclasses, for hinges.
30, CUTLERY, subclass 3 and indented subclasses, for can openers.
113, SHEET-METAL WARE-MAKING, for manufacture of sheet metal containers.
209, CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, subclass 233 and indented subclasses, particularly subclasses 248, 249, 259, 376, and 377, for sifting screens for coal buckets and similar receptacles.
211, SUPPORTS, RACKS, subclass 71 and indented subclasses, for receptacle support type.
226, FILLING AND CLOSING PORTABLE RECEPTACLES; funnels being in subclass 29 and indented subclasses.
248, SUPPORTS, for receptacle supports.
268, CLOSURE FASTENERS.
285, PIPE JOINTS OR COUPLINGS, for seams and joints similar to those used in receptacles.
292, CLOSURE FASTENERS.

In *class 255, Earth Boring* (Division 32), subclass 1, cancel the note; in subclass 24 add the following note:

(3) Note.—Search this class, subclass 28, for rod structure including means in the rod for controlling fluid flow through the rod, for example, when the rod breaks;

and in subclass 72, number the existing note (2) and add:

(1) Note.—See this class, subclass 1.4, for other earth boring structures peculiarly adapted to take formation samples.

In *class 299, Fluid Sprinkling, Spraying and Diffusing* (Division 46), subclass 17, number the existing notes (1) to (3) as (2) to (4) and add:

(1) Note.—For spoons combined with drinking tubes, see class 30, CUTLERY, subclass 141.

Adjudicated Patents

(D. C. Mo.) Dyer patent, No. 1,317,912, for steering-gear for automobiles, claim 1 *Held* valid and infringed. *Clair* v. *Montgomery Ward & Co.*, 36 F. Supp. 664.

(D. C. Ill.) Crawford patent, No. 1,325,667, for refrigerant and process of making the same, claims 1 to 4 *Held* invalid, and *Held* infringed, if valid. *Trojan Development Co.* v. *Standard Oil Co.* (Indiana), 36 F. Supp. 769.

(D. C. Ill.) Crawford patent, No. 1,439,728, for refrigerating process, claims 1 and 2 *Held* invalid and *Held* infringed, if valid. *Id.*

(D. C. Mo.) Campbell patent, No. 1,577,821, for stabilizing device, claim 2 *Held* valid and infringed. *Clair* v. *Montgomery Ward & Co.*, 36 F. Supp. 664.

(C. C. A. Conn.) Mead patent, No. 1,736,544, for cigar lighter, claims 2, 3, and 11 *Held* valid and infringed. *Automatic Devices Corporation* v. *Cuno Engineering Corporation*, 117 F.(2d) 361.

(C. C. A. Mass.) Mathey patent, No. 1,807,900, for trimming machine, claims 2, 4, and 16 *Held* valid and infringed. *United Shoe Machinery Corporation* v. *Mathey*, 117 F.(2d) 331.

(D. C. Mich.) Hathorne patent, No. 1,932,731, for refrigerating apparatus, claims 1, 4, and 5 *Held* infringed, and claims 2 and 3 *Held* not infringed. *Copeman Laboratories Co.* v. *General Motors Corporation*, 36 F. Supp. 755.

(D. C. Conn.) Clark patent, No. 1,979,938, for electrical plug device, claims 1 and 4 *Held* invalid. *Electric Plug* v. *Vybro Corporation*, 36 F. Supp. 676.

(D. C. Oreg.) Myers patent, No. 2,090,874, for trailer, *Held* valid and infringed. *Myers* v. *Beall Pipe & Tank Corporation*, 36 F. Supp. 732.

(C. C. A. Conn.) Cohen patent, No. 2,117,232, for cigar lighter, *Held* invalid. *Automatic Devices Corporation* v. *Cuno Engineering Corporation*, 117 F.(2d) 361.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 15, 1941

[VOL. 525. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 414,296. KATAKURA SEISHI BOSEKI KABUSHIKI KAISHA, Tokyo, Japan. Filed Dec. 29, 1938.



FOR RAW SILK.
Claims use since Mar. 1, 1920.

Ser. No. 418,657. TERMINAL GRAIN COMPANY, Fort Worth, Tex. Filed Apr. 24, 1939.



Use of a tag colored blue is disclaimed. The drawing is lined for blue.
FOR SEED GRAINS AND FIELD SEEDS.
Claims use since May 13, 1916.

Ser. No. 437,337. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed Oct. 28, 1940.

Fiberfoam

FOR SPONGE RUBBER.
Claims use since Sept. 27, 1940.

Ser. No. 440,087. B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Jan. 29, 1941.

NABAK CALF

Applicant disclaims the word "Calf" apart from the mark.
FOR LEATHER.
Claims use since Apr. 21, 1933.

Ser. No. 440,092. HARRIS COAL CORPORATION, Cleveland, Ohio. Filed Jan. 29, 1941.



Applicant disclaims the words "Coal," "Hi-Heat," "Low Cost," and "Long Burning."
FOR COAL.
Claims use since Sept. 1, 1939.

CLASS 2

RECEPTACLES

Ser. No. 440,105. THE VISKING CORPORATION, Chicago, Ill. Filed Jan. 29, 1941.

Protected BY A VISKING SEAMLESS TUBE

The words "Protected By a Seamless Tube" are disclaimed apart from the mark.
FOR TRANSPARENT MERCHANDISE PROTECTORS —NAMELY, SEAMLESS CELLULOSE TUBES.
Claims use since Jan. 9, 1941.

Ser. No. 440,106. THE VISKING CORPORATION, Chicago, Ill. Filed Jan. 29, 1941.

"Visking"

FOR MERCHANDISE PROTECTORS — NAMELY, SEAMLESS CELLULOSE TUBES, AND ARTIFICIAL SAUSAGE CASINGS MADE OF CELLULOSE.
Claims use since June 1, 1928.

Ser. No. 440,107. THE VISKING CORPORATION, Chicago, Ill. Filed Jan. 29, 1941.

VISKING CASING

The word "Casing" is disclaimed apart from the mark.
FOR ARTIFICIAL SAUSAGE CASINGS MADE OF CELLULOSE.
Claims use since June 1, 1930.

Ser. No. 440,726. MCCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Feb. 17, 1941.

EXYLIN

FOR CONTAINERS MADE OF PLASTIC MATERIAL—VIZ. GARMENT BAGS, PILLOW PROTECTORS, BLANKET BAGS, LAUNDRY BAGS, SHOE BAGS, BEDDING CASES, TOWEL CASES, BOUDOIR ENVELOPES FOR LINGERIE, HOSIERY, GLOVES, AND HANDKERCHIEFS, COSMETIC CASES, AND KNITTING BAGS.
Claims use since May 23, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 430,760. CLAIRE MANUFACTURING CO., doing business as Claire Mfg. Co., Chicago, Ill. Filed Apr. 15, 1940.

SLIK

FOR CLEANING COMPOUNDS FOR THE SKIN, AND FOR FABRIC, GLASS, AND PAINTED SURFACES.
Claims use since June 1, 1929.

Ser. No. 430,428. THE J. B. FORD COMPANY, Wyandotte, Mich. Filed Sept. 27, 1940.

Wyandotte APACHE

FOR CLEANING, CLEANSING, AND DETERGENT PREPARATION CHARACTERIZED BY THE POSSESSION OF GREASE SOLVENT PROPERTIES FOR USE IN LAUNDRIES, LINEN SUPPLY PLANTS, ET CETERA.
Claims use since August, 1940.

CLASS 5

ADHESIVES

Ser. No. 428,331. LOUIS S. RICHMAN, doing business as Reliable Cement Mfg. Co., New York, N. Y. Filed Feb. 7, 1940.



No claim is made to the wording except "Anchor." The drawing is lined for blue and orange.
FOR QUICK DRYING ADHESIVE CEMENT.
Claims use since Jan. 10, 1940.

Ser. No. 432,695. WILLIAM H. PALMER, doing business as W. H. Palmer Company, Topeka, Kans. Filed June 5, 1940.



FOR LIQUID ADHESIVE CEMENT FOR USE IN REPAIRING ARTICLES MADE OF WOOD, CLOTH, LEATHER, AND ANALOGOUS PLIABLE MATERIALS, CHINA, GLASS, IVORY, AND METAL.
Claims use since Jan. 15, 1930.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 439,475. THE SELIG COMPANY, Atlanta, Ga. Filed Jan. 7, 1941.

FLEE FLEA

No claim is made to the word "Flea" apart from the mark.
FOR INSECTICIDES.
Claims use since Dec. 16, 1940.

Ser. No. 440,044. DON JUAN, INC., New York, N. Y. Filed Jan. 28, 1941.

Don Juan

FOR LIPSTICKS, ROUGE, AND FACE POWDER.
Claims use since Dec. 16, 1940.

Ser. No. 440,171. THE MEREDYNE CORPORATION, Baltimore, Md. Filed Jan. 31, 1941.

MEREDYNE

FOR PREPARATION FOR AIR AND TRAVEL SICKNESS.
Claims use since Jan. 19, 1940.

Ser. No. 440,239. GEORGE W. FILLAUER, Chattanooga, Tenn. Filed Feb. 3, 1941.

MORKAZO

FOR OINTMENT CONTAINING COD LIVER OIL AND ZINC OXIDE, USED FOR LOCAL APPLICATION IN THE TREATMENT OF MINOR WOUNDS AND BURNS.
Claims use since Aug. 1, 1940.

Ser. No. 440,256. LUCIEN LELONG, INC., Chicago, Ill. Filed Feb. 3, 1941.

Quick Change

FOR LIPSTICKS.
Claims use since Jan. 16, 1941.

Ser. No. 440,263. S. PFEIFFER MFG. CO., doing business as Maldehyde Chemical Co., St. Louis, Mo. Filed Feb. 3, 1941.

LAVCO

FOR MEDICINAL PRODUCTS AND PREPARATIONS — NAMELY, STOMACH AND INTESTINAL MEDICINES, KIDNEY AND BLADDER MEDICINES, HAIR AND SCALP PREPARATIONS, LINIMENTS, LIQUID AND SALVES FOR SKIN IRRITATIONS, PRICKLY HEAT POWDER, OINTMENTS, COUGH AND COLD PREPARATIONS, BOTH INTERNAL AND EXTERNAL, CORN REMOVERS, FOOT POWDER, EYE PREPARATIONS, EARWAX DROPS, MOUTH WASH, WORM SYRUP AND LOZENGES, VAGINAL JELLY AND SUPPOSITORIES, LARKSPUR AND SABADILLA LOTION, PREPARATION FOR THE RELIEF OF FOOT RINGWORM, TOOTHACHE GUM AND GUM LOTION, RECTAL SUPPOSITORIES AND OINTMENT, ASTHMA POWDER, CASTOR OIL, CASTORIA, LAXATIVES INCLUDING HINKLE PILLS, LAXATIVE PILLS, LIVER PILLS, COMPOUND CATHARTIC PILLS, PHOSPHATED SODA, SENNA AND CASCARA IN SYRUP OF PEPSIN, SENNA AND CASCARA IN SYRUP OF FIGS, SLEMDO SALT, AND DIURETIC SALTS, TONICS INCLUDING YEAST AND IRON LIQUID AND TABLETS, PALATABLE COMPOUNDS, COD LIVER OIL CONCENTRATE TABLETS, CINCHONINE AND IRON IN AROMATIC SYRUP, COURACE PILLS, PEPSULES, NERVINE, VEGETABLE COMPOUND, BEEF, IRON AND WINE, THROAT GARGLE, NASAL OIL, NASAL JELLY, NOSE AND THROAT DROPS, HEADACHE AND NEURALGIA TABLETS AND COMPOUNDS, ASPIRIN TABLETS.
Claims use since Dec. 16, 1936.

Ser. No. 440,319. MARTIN DE BOTELHO, doing business as Alexandra de Markoff, New York, N. Y. Filed Feb. 5, 1941.

VEIL OF BEAUTY

The term "Beauty" is disclaimed apart from the mark.
FOR COSMETICS—NAMELY, FOUNDATION CREAM.
Claims use since Aug. 15, 1940.

Ser. No. 440,638. WILLIAM H. WOOD, doing business as Botanical Laboratories, Chicago, Ill. Filed Feb. 13, 1941.

MAFOLIATA

FOR MAHONIA TRIFOLIATA (AN INFUSION OF ALGERITA ROOT), FOR USE IN THE TREATMENT OF INTERNAL AND EXTERNAL INFECTIONS.
Claims use since Nov. 15, 1940.

Ser. No. 440,664. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Feb. 14, 1941.



The drawing is lined for dark green, light green, and red.
FOR NAPHTHALENE ACETIC ACID SPRAY.
Claims use since June 13, 1940.

Ser. No. 441,381. TREND, INCOSMETIC, Portland, Oreg. Filed Mar. 8, 1941.

TREND

FOR COSMETICS—I. E., FACE POWDER, FACE CREAMS, HAND LOTION, POWDER BASE, LIPSTICK, AND ROUGE.
Claims use since Oct. 29, 1940.

Ser. No. 441,388. CERTIFIED PRODUCTS, INC., Washington, D. C. Filed Mar. 10, 1941.

TINQUIM

FOR HAIR DYES.
Claims use since Mar. 7, 1941.

Ser. No. 441,395. RUSSELL FARLEY & COMPANY, Akron, Ohio. Filed Mar. 10, 1941.

COP-FIX

FOR INSECTICIDES.
Claims use since Mar. 1, 1940.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 434,119. JÖNKÖPINGS OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jönköping, Sweden. Filed July 18, 1940.

VULCAN.

FOR MATCHES.
Claims use since 1872.

CLASS 10

FERTILIZERS

Ser. No. 440,270. SEWERAGE COMMISSION OF THE CITY OF MILWAUKEE, Milwaukee, Wis. Filed Feb. 3, 1941.

MILARSENITE

FOR ARTIFICIAL FERTILIZERS.
Claims use since Jan. 22, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 437,389. MCCRORY STORES CORPORATION, New York, N. Y. Filed Oct. 29, 1940.



Applicant disclaims the words "Typewriter Ribbon." The vertical lines indicate gray, the black lines indicate black and the white spaces indicate white.
FOR TYPEWRITER RIBBONS.
Claims use since Oct. 14, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 439,662. PENNSYLVANIA SALT MANUFACTURING CO., Philadelphia, Pa. Filed Jan. 14, 1941.

CAUSPLIT

FOR ACID AND ALKALI-PROOF BUILDING CEMENTS.
Claims use since Nov. 13, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 422,994. BORG-WARNER CORPORATION, Chicago, Ill. Filed Aug. 25, 1939.

KOOLSHADE

No claim is made to the words "Ingersoll," "Screen" and the representation of a piece of screen apart from the mark.
FOR WIRE CLOTH MATERIALS.
Claims use since Aug. 8, 1939.

Ser. No. 439,336. THE EVEREDY COMPANY, Frederick, Md. Filed Jan. 2, 1941.

Belle Brilliant

No claim is made to the word "Brilliant" apart from the mark.
FOR BASE METAL COOKING HOLLOWWARE.
Claims use since Dec. 23, 1940.

Ser. No. 439,337. THE EVERDY COMPANY, Frederick, Md. Filed Jan. 2, 1941.

Lady Brilliant

No claim is made for the word "Brilliant" apart from the mark.
FOR BASE METAL COOKING HOLLOWWARE.
Claims use since Dec. 23, 1940.

Ser. No. 439,510. HYGIENE PRODUCTS COMPANY, INC., Temple City, Calif. Filed Jan. 6, 1941.

HYGI-SEPT

FOR SEPTIC TANKS.
Claims use since Oct. 10, 1938.

Ser. No. 439,545. FAYE HERBERT, New York, N. Y. Filed Jan. 10, 1941.

STAR

FOR SLIDE FASTENERS.
Claims use since Sept. 3, 1940.

Ser. No. 440,222. STACKPOLE CARBON COMPANY, St. Marys, Pa. Filed Feb. 1, 1941.

THERMODUCT

FOR FLUID CONDUCTORS MADE OF CARBON AND GRAPHITE—I. E., PIPES, FITTINGS, AND VALVES.
Claims use since Nov. 19, 1940.

Ser. No. 440,303. FRANK W. AIKEN, Moberly, Mo. Filed Feb. 5, 1941.

MASTERGRIP

FOR EXPANDING LAND ANCHORS.
Claims use since July 1, 1928.

Ser. No. 440,463. ELKAY MANUFACTURING CO., Chicago, Ill. Filed Feb. 8, 1941.

Noleumbilt

FOR CABINET SINKS AND SINK TOPS.
Claims use since Nov. 1, 1940.

Ser. No. 440,804. CROWN FASTENER CORPORATION, Warren, R. I. Filed Feb. 20, 1941.

DAIN-T-ZIP

FOR SEPARABLE SLIDE FASTENERS.
Claims use since Jan. 27, 1941.

Ser. No. 440,810. THE EMELOID CO., INC., Arlington, N. J. Filed Feb. 20, 1941.

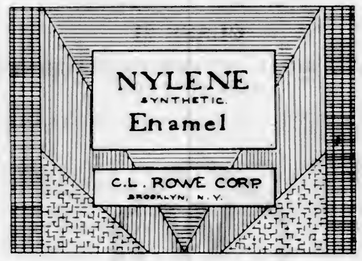
JEWEL

FOR CURTAIN HOOKS, DRAPE HANGERS, HANGERS FOR PICTURES AND MIRRORS.
Claims use since Dec. 2, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 438,425. C. L. ROWE CORPORATION, Brooklyn, N. Y. Filed Dec. 3, 1940.



Applicant disclaims the words "Synthetic Enamel" and "Brooklyn, N. Y." apart from the mark. The drawing is lined for blue, red, and yellow.
FOR READY-MIXED PAINTS AND SYNTHETIC PAINT ENAMEL.
Claims use since Apr. 10, 1939.

Ser. No. 440,127. KLARION MERCHANDISING CORPORATION, New York, N. Y. Filed Jan. 30, 1941.

Stylo-Plastic

The word "Plastic" is disclaimed apart from the mark.
FOR LETTERING PAINT.
Claims use since Dec. 24, 1940.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 437,498. ARANGO Y ARANGO, Tampa, Fla. Filed Nov. 2, 1940.

TADEMA

The name "Tadema" is a part of the name of the English painter Sir Lawrence Alma-Tadema, deceased.
FOR CIGARS.
Claims use since 1890.

Ser. No. 439,514. SAMUEL GREENBERG, doing business as Lorraine Pipe Shop, New York, N. Y. Filed Jan. 9, 1941.



FOR PIPE TOBACCO
Claims use since Dec. 1, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 439,508. WADE ELECTRIC PRODUCTS COMPANY, Sturgis, Mich. Filed Jan. 8, 1941.



FOR SOCKETS, SOCKET ASSEMBLIES, TERMINAL OR JUNCTION BLOCKS, TELLTALE INDICATORS, MOUNTINGS, AND CONNECTORS.
Claims use since Dec. 16, 1940.

Ser. No. 440,534. BENDIX AVIATION CORPORATION, Bendix, N. J. Filed Feb. 11, 1941.

MAGNESYN

FOR ELECTRICAL TRANSMITTING AND/OR RECEIVING DEVICES OF THE TYPE CONSISTING OF A TRANSMITTER HAVING A ROTOR AND STATOR AND ELECTRICALLY CONNECTED TO A SIMILAR DEVICE HAVING A ROTOR AND STATOR AND FUNCTIONING AS A RECEIVER AT A POINT REMOTE FROM THE TRANSMITTER.
Claims use since Jan. 15, 1941.

Ser. No. 440,619. COLUMBIA FLUORESCENT COMPANY, Chicago, Ill. Filed Feb. 13, 1941.

MIRACLITE

FOR ELECTRIC LAMPS AND LIGHTING FIXTURES.
Claims use since Feb. 1, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 440,646. DURABLE TOY & NOVELTY CORP., New York, N. Y. Filed Feb. 14, 1941.



No claim is made to the representation of the label, per se.
FOR TOY COIN BANKS.
Claims use since April, 1940.

Ser. No. 440,904. JOHN C. BARBER, Denver, Colo. Filed Feb. 24, 1941.

EXASPERATION

FOR BOARD GAME PLAYED WITH MOVABLE PIECES AND A SPINNER.
Claims use since Oct. 1, 1940.

Ser. No. 441,235. JOHN J. DAVALA, Passaic, N. J. Filed Mar. 5, 1941.

AERO SHAM BATTLE

FOR BOARD GAME PLAYED WITH MOVABLE PIECES.
Claims use since Feb. 21, 1941.

Ser. No. 441,289. J. PRESSMAN & CO. INC., New York, N. Y. Filed Mar. 6, 1941.

SCRIBBLE

FOR TOY EASELS.
Claims use since Feb. 27, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 440,594. ILLINOIS MALLEABLE IRON COMPANY, Chicago, Ill. Filed Feb. 12, 1941.



FOR HATCHETS, HAMMERS, AND AXES.
Claims use since Jan. 18, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 438,522. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 4, 1940.

CERTI-FIRE

FOR TESTING INSTRUMENTS FOR DETERMINING THE EFFICIENCY OF COAL, OIL, OR GAS HOUSEHOLD FURNACES.
Claims use since Oct. 4, 1940.

Ser. No. 439,639. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Jan. 13, 1941.

FISH-FINDER

FOR THERMOMETERS.
Claims use since Feb. 14, 1940.

Ser. No. 440,325. EYE IN THE SKY, Jacksonville, Fla. Filed Feb. 5, 1941.

EYE-IN-THE-SKY

FOR CAMERAS.
Claims use since May, 1936.

Ser. No. 440,388. SCULLY SIGNAL COMPANY, East Cambridge, Mass. Filed Feb. 6, 1941.

GAJALARM

FOR LIQUID LEVEL INDICATORS FOR LIQUID FUEL TANKS AND THE LIKE.
Claims use since Jan. 16, 1941.

Ser. No. 440,574. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Feb. 12, 1941.

ROBIN HOOD

FOR SPECTACLES, EYEGLASSES AND PARTS THEREOF, OPHTHALMIC MOUNTINGS AND PARTS THEREOF, OPHTHALMIC LENSES AND BLANKS THEREFOR.
Claims use since June 27, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 438,506. GENERAL TIME INSTRUMENTS CORPORATION, New York, N. Y., and Peru, Ill. Filed Dec. 4, 1940.



FOR CLOCKS AND WATCHES.
Claims use since Oct. 2, 1940.

Ser. No. 439,777. JULES KLEIN & JOSEPH MULLER, INC., New York, N. Y. Filed Jan. 18, 1941.

Maritime Special

Applicant disclaims the word "Special" apart from the mark.
FOR WATCHES FOR MEN AND WOMEN.
Claims use since March, 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 435,806. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio. Filed Sept. 9, 1940.

Anchor-Lockt

Applicant disclaims the word "Lockt" apart from the mark.
FOR TOOTHBRUSHES.
Claims use since Oct. 1, 1928.

Ser. No. 439,300. B. M. SILVERMAN, Washington, D. C. Filed Dec. 30, 1940.

BEAUTY BRUSH

The word "Brush" is disclaimed apart from the mark.
FOR TOOTH BRUSHES.
Claims use since Dec. 26, 1940.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 438,735. GEORGE J. HIGGINSON, New York, N. Y. Filed Dec. 11, 1940.

BOTANY PRINTS

Applicant disclaims the word "Prints" apart from the mark.
FOR DINNER SETS OF EARTHENWARE.
Claims use since Sept. 6, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 441,018. GRANKO CORPORATION, Trenton, N. J. Filed Feb. 26, 1941.

GRANKO
SUPERIOR BEER COOLER

The words "Superior Beer Cooler" are disclaimed apart from the mark.
FOR BEER COOLERS.
Claims use since Dec. 2, 1940.

CLASS 33

GLASSWARE

Ser. No. 440,614. ANCHOR HOCKING GLASS CORPORATION, Lancaster, Ohio. Filed Feb. 13, 1941.

FIRE-KING

FOR GLASS PIE PLATES, CUSTARD CUPS, COVERED CASSEROLES, MEAT LOAF PANS, UTILITY PANS, AND OTHER OVEN WARE FOOD PREPARING VESSELS.
Claims use since Jan. 30, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 438,982. JAMES W. HARDISON, Yakima, Wash. Filed Dec. 18, 1940.

HARDISTOVE

FOR SOLID FUEL BURNING CAMP STOVES.
Claims use since June 2, 1938.

Ser. No. 439,408. WILLIAM L. CLAYTON, Harmony, Pa. Filed Jan. 4, 1941.

TRUFLO

FOR PORTABLE COOLING FANS, WALL FANS, BLOWERS, EXHAUST FANS, AND FANS FOR AIR CONDITIONING.
Claims use since April, 1931.

Ser. No. 440,355. BITUMINOUS COAL STOKERS INC., Durango, Colo. Filed Feb. 6, 1941.

WINTER KING

FOR COAL STOKERS.
Claims use since June 1, 1939.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 437,863. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Nov. 14, 1940.

INLITE

FOR MACHINE ELEMENTS—NAMELY, CLUTCH FACINGS, AND BRAKE LININGS.
Claims use since May 7, 1940.

Ser. No. 440,714. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed Feb. 17, 1941.

Dayflex

FOR RUBBER HOSE AND RUBBER BELTING.
Claims use since Oct. 5, 1940

Ser. No. 441,275. THE ARMSTRONG RUBBER COMPANY, West Haven, Conn. Filed Mar. 6, 1941.

ALLIED

FOR AUTOMOBILE TIRES AND TUBES.
Claims use since Jan. 20, 1941.

Ser. No. 441,401. MARSHALL-WELLS COMPANY, doing business as Zenith Rubber Co., Duluth, Minn. Filed Mar. 10, 1941.

ZENITH

TUF-TEST

FOR AUTOMOBILE AND BICYCLE TIRES AND TUBES.
Claims use since 1934.

CLASS 37

PAPER AND STATIONERY

Ser. No. 437,640. RAY E. BAUDER, doing business as Bauder-Baker, Chicago, Ill. Filed Nov. 7, 1940.

PERSONAL MONEY ORDER
PMO
CHECKING ACCOUNT

The words "Personal Money Order" and "Checking Account" are disclaimed apart from the mark.
FOR CHECK DEPOSIT BOOKS, CHECKBOOKS, PASSBOOKS, DEPOSIT SLIPS, SIGNATURE CARDS, LEDGER SHEETS, STATEMENT SHEETS, ENVELOPES, APPLICATION CARDS, DEBIT TICKETS, AND STATIONERY — NAMELY, WRITING PAPER AND ENVELOPES
Claims use since Oct. 1, 1940

Ser. No. 439,101. GENERAL BINDING CORPORATION, Chicago, Ill. Filed Dec. 23, 1940.

"LIMITED"

FOR BINDERS FOR BOOKS, CATALOGS, AND PAMPHLETS MADE OF PLASTIC MATERIALS OR OF METAL.
Claims use since Apr. 27, 1940

Ser. No. 439,194. CONSOLIDATED WATER POWER & PAPER CO., Wisconsin Rapids, Wis. Filed Dec. 26, 1940.

CONSOLIDATED COATED PAPERS

The words "Coated Papers" are disclaimed apart from the mark.
FOR COATED PAPER.
Claims use since Dec. 17, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 426,642. CIRCULATION & MARKET AUDITS, INC., New Haven, Conn. Filed Dec. 16, 1939.

CIRCULATION & MARKET AUDITS, INC.
CMA
NEW HAVEN, CONN.

The words "Circulation & Market Audits, Inc., New Haven, Conn." are disclaimed apart from the mark.
FOR PUBLICATIONS RELATING TO CIRCULATION AUDITS TOGETHER WITH STATISTICAL MARKETING DATA.
Claims use since July 1, 1939.

Ser. No. 433,648. AGRICULTURAL TRADE RELATIONS, INC., Stockton, Calif. Filed July 3, 1940.

THE ROAD TO MARKET

FOR MAGAZINE PUBLISHED AT RECURRING INTERVALS.
Claims use since Feb. 23, 1940.

Ser. No. 438,335. HALSELL-HUMPHREY, INCORPORATED, Oklahoma City, Okla. Filed Nov. 29, 1940.

THE "HOME FOLKS" COUNSELOR

FOR SCRIPTS FOR A SERIES OF RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE.
Claims use since July 1, 1938.

Ser. No. 440,289. MOCK, JUDSON, VOEHRINGER CO. OF NEW YORK, INC., Long Island City, N. Y. Filed Feb. 4, 1941.

HELPMANSHIP

FOR MAGAZINE SECTION.
Claims use since Jan. 15, 1941.

Ser. No. 440,787. PAN AMERICAN BAND INSTRUMENT AND CASE COMPANY, Elkhart, Ind. Filed Feb. 19, 1941.

The
BATON

FOR PERIODICAL PUBLICATION.
Claims use since February, 1929.

CLASS 39

CLOTHING

Ser. No. 418,859. WILSON BROTHERS, Chicago, Ill. Filed Apr. 28, 1939.

HALF COAT

No claim is made to the word "Coat" apart from the mark.
FOR MEN'S AND BOYS' SPORT COATS AND JACKETS.
Claims use since Feb. 20, 1939.

Ser. No. 428,087. ROBERT ROSENBERG, doing business as Rosenberg Garment Co., St. Louis, Mo. Filed Jan. 31, 1940.

Barbara Blake junior

No claim is made to the word "junior" apart from the mark.
FOR LADIES' SUITS, COATS, AND DRESSES.
Claims use since November, 1938.

Ser. No. 428,170. RICHARD PAUL, INC., Wilmington, Del. Filed Feb. 2, 1940.

STERICO

FOR LOW SOCKS OR UNDER-SOCKS FOR USE IN CONNECTION WITH MEDICATION OF THE FEET.
Claims use since Oct. 13, 1939.

Ser. No. 435,097. JOSEPH STEIN COATS, INC., New York, N. Y. Filed Aug. 17, 1940.

DESIGNED AND STYLED BY

Adrianna

"A CONTRIBUTION TO FASHION"

All wording is disclaimed apart from the mark as shown except "Adrianna."
FOR LADIES' AND MISSES' COATS, SUITS.
Claims use since June, 1940.

Ser. No. 437,350. PARAMOUNT SHOE MANUFACTURING COMPANY, St. Louis, Mo. Filed Oct. 28, 1940.

Hoolygan Kicks

FOR SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, AND FABRIC.
Claims use since Dec. 10, 1939.

Ser. No. 438,915. WELBY DRESSES, INCORPORATED, New York, N. Y. Filed Dec. 16, 1940.

helen wayne

The words "helen wayne" are disclaimed apart from the mark.
FOR MISSES', WOMEN'S, AND GIRLS' DRESSES.
Claims use since September, 1940.

Ser. No. 439,057. ROPEZ SOLES, INC., New York, N. Y. Filed Dec. 20, 1940.

Trade-mark consists of the word ropeez.
FOR SHOES MADE OF COMBINATIONS OF LEATHER AND BRAIDED FIBERS, OR FABRIC AND BRAIDED FIBERS, OR RUBBER AND BRAIDED FIBERS, OR COMBINATIONS OF SAID MATERIALS.
Claims use since September, 1940.

Ser. No. 439,299. HELEN M. SHORE, doing business as Tru-Poise Company, Philadelphia, Pa. Filed Dec. 30, 1940.



Tru-Poise

FOR CORSETS AND FOUNDATION GARMENTS.
Claims use since September, 1940.

Ser. No. 439,400. ADLER SONS SHOE CORPORATION, New York, N. Y. Filed Jan. 4, 1941.

TALLERS

FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Dec. 27, 1940.

Ser. No. 439,936. LANSBURGH & BRO., Washington, D. C. Filed Jan. 24, 1941.

Lanco Debs

FOR GIRLS' SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF, DRESSES, COATS, SLIPS, PAJAMAS, HOSE, UNDERSHIRTS, UNDERDRAWERS, UNDERWEAR, RAINCOATS, AND OUTER SKIRTS.
Claims use since Feb. 1, 1940.

Ser. No. 439,937. LANSBURGH & BRO., Washington, D. C. Filed Jan. 24, 1941.

LANCO KIDDIES

FOR CHILDREN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, OUTER SKIRTS, COATS, DRESSES, RAINCOATS, HOSE, PAJAMAS, AND SLIPS.
Claims use since Feb. 1, 1940.

Ser. No. 439,938. LANSBURGH & BRO., Washington, D. C. Filed Jan. 24, 1941.

Lanco Preps

FOR BOYS' SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, SHIRTS, PAJAMAS, SUITS, COATS, TROUSERS, HATS, UNDERSHIRTS, OUTER AND UNDER SHORTS, UNION SUITS, NECKTIES, AND OVERALLS.
Claims use since Feb. 1, 1940.

Ser. No. 439,939. LANSBURGH & BRO., Washington, D. C. Filed Jan. 24, 1941.

Sir Lanco

FOR MEN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, SHIRTS, PAJAMAS, UNDERSHIRTS, SHORTS, UNION SUITS, NECKTIES, HANDKERCHIEFS, HOSE, LEATHER COATS, AND JACKETS.
Claims use since Feb. 1, 1940.

Ser. No. 440,006. HIRSH, INC., Kansas City, Mo. Filed Jan. 27, 1941.

LU GRENE
OF CALIFORNIA

Applicant disclaims the notation "of California" apart from the mark.
FOR MEN'S AND BOYS' SPORTSWEAR—NAMELY, OUTSIDE SHIRTS, INCLUDING DRESS SHIRTS, PANTS, PAJAMAS, JACKETS, PLAY SUITS, SLACKS, SLACK SUITS, SUITS, OVERCOATS, HATS, AND CRAVATS.
Claims use since Dec. 18, 1940.

Ser. No. 440,085. EAGLE KNITTING MILLS, INC., Milwaukee, Wis. Filed Jan. 29, 1941.

Eagleknit

RUGGER

FOR KNITTED CAPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 17, 1941.

Ser. No. 440,128. KRUMHOLZ & LICHTBLAU, doing business as Kelray Knitting Mills, New York, N. Y. Filed Jan. 30, 1941.

KOR-DEEN

FOR LADIES', MISSES', AND CHILDREN'S PANTIES, STEP-INS—I. E., UNDERDRAWERS, BANDEAUS, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS.
Claims use since Dec. 1, 1940.

Ser. No. 440,133. RIVERSIDE & DAN RIVER COTTON MILLS, INC., New York, N. Y., and Danville, Va. Filed Jan. 30, 1941.

Charmspun

FOR TEXTILE DIAPERS.
Claims use since Sept. 10, 1936.

Ser. No. 440,150. A. COHEN BRASSIERES, INC., New York, N. Y. Filed Jan. 31, 1941.

SNUG-A-JUSTA

No claim is made to the word "Snug" apart from the mark.
FOR FOUNDATION GARMENT.
Claims use since Dec. 18, 1940.

Ser. No. 440,157. DOLCES DRESSES, INC., New York, N. Y. Filed Jan. 31, 1941.

DOLCES Original

Applicant disclaims the word "Original" apart from the mark.
FOR LADIES' AND MISSES' DRESSES.
Claims use since Jan. 10, 1941.

Ser. No. 440,312. BLANKSON CLOTHES, INC., New York, N. Y. Filed Feb. 5, 1941.

STYLE FLASH
STYLE HALL
CLOTHES

The words "Style" and "Clothes" are disclaimed apart from the mark.
FOR MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TOPCOATS, RAINCOATS, SPORTCOATS, MACKINAWS, LEATHER JACKETS, TROUSERS, HATS AND CAPS, SPORT SHIRTS, DRESS SHIRTS, NEGLIGEE SHIRTS, HANDKERCHIEFS, SOCKS, SWEATERS, SCARFS AND NECKTIES.
Claims use since Nov. 22, 1937.

Ser. No. 440,337. LUXURAY, INC., New York, N. Y. Filed Feb. 5, 1941.

Cord-Ray

The word "Cord" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' SLIPS, PETTICOATS, BLOOMERS, UNDERSHIRTS, UNDERSHORTS, UNDERDRAWERS, AND CORSETS, PANTIES, AND BRASSIÈRES.
Claims use since Jan. 8, 1940.

Ser. No. 440,379. PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Feb. 6, 1941.

Splendor

FOR MEN'S OUTER SHIRTS, MEN'S PAJAMAS, MEN'S UNDERWEAR, BOTH KNIT AND WOVEN GOODS, AND MEN'S NECKWEAR AND HOSIERY.
Claims use since Oct. 15, 1919.

Ser. No. 440,400. THE ALDEN MILLS, New Orleans, La. Filed Feb. 7, 1941.

★STYLON

FOR HOSIERY.
Claims use since Jan. 28, 1941.

Ser. No. 440,417. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Feb. 7, 1941.

"ACTIONEERS"

FOR CORSETS, GIRDLES, AND FOUNDATION GARMENTS.
Claims use since Jan. 27, 1941.

Ser. No. 440,441. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md. Filed Feb. 8, 1941.



FOR HEELS AND SOLES MADE OF RUBBER AND OF COMBINATIONS OF RUBBER AND LEATHER.
Claims use since January, 1908.

Ser. No. 440,488. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md. Filed Feb. 10, 1941.



FOR RUBBER HEELS AND SOLES.
Claims use since January, 1933.

Ser. No. 440,529. RAPHAEL WEILL & COMPANY, San Francisco, Calif. Filed Feb. 10, 1941.

AVONNE

FOR LADIES' SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS THEREOF.
Claims use since January, 1934.

Ser. No. 440,561. I. MILLER & SONS, INC., Long Island City, N. Y. Filed Feb. 11, 1941.

Pumpadore

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Jan. 24, 1941.

Ser. No. 440,599. JULIUS KAYSER & CO., New York, N. Y. Filed Feb. 12, 1941.

SHEERLON

FOR HOSIERY.
Claims use since Jan. 30, 1941.

Ser. No. 440,600. JULIUS KAYSER & CO., New York, N. Y. Filed Feb. 12, 1941.

STYLON

FOR HOSIERY.
Claims use since Jan. 30, 1941.

Ser. No. 440,670. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed Feb. 15, 1941.

FLEXSPUN

FOR GIRDLES, CORSETS, AND BRASSIÈRES, AND COMBINATIONS THEREOF, AND BATHING SUITS.
Claims use since Jan. 22, 1941.

Ser. No. 440,675. CONTINENTAL HOSIERY CORP., New York, N. Y. Filed Feb. 15, 1941.

TIQUE

FOR HOSIERY.
Claims use since June 1, 1940.

Ser. No. 440,737. WINGET KICKERNICK COMPANY, Minneapolis, Minn. Filed Feb. 17, 1941.

UNDERSTUDY

FOR LADIES' SLIPS.
Claims use since Aug. 12, 1938.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 437,774. CLARENCE W. JOHNSTON, doing business as The Diapin Company, Portland, Oreg. Filed Nov. 12, 1940.

DIAPIN

FOR SAFETY PIN SET, CONSISTING OF TWO COMMON SAFETY PINS CONNECTED BY A CORD OR CHAIN.
Claims use since October, 1938.

Ser. No. 437,837. SCOLDING LOCKS CORPORATION, Appleton, Wis. Filed Nov. 13, 1940.

Miss America

Applicant disclaims the word "America" apart from the mark.
FOR HAIRPINS AND BOBBY PINS.
Claims use since Sept. 30, 1940.

Ser. No. 439,455. ALPHONS BARUCH, New York, N. Y. Filed Jan. 7, 1941.

SPEEDWHEEL

FOR BOBBINS OR SPOOLS FOR HOLDING WOUND YARN OR THREAD AND WITH A CHAIN ATTACHMENT FOR HANGING OVER THE ARM OF THE NEEDLEWORKER.
Claims use since Nov. 28, 1940.

Ser. No. 440,038. BURROS & BURROS, INC., New York, N. Y. Filed Jan. 28, 1941.

FLORADORN

FOR ARTIFICIAL FLOWERS IN THE NATURE OF COIFFURE ORNAMENTS.
Claims use since Jan. 22, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 436,160. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Sept. 20, 1940.

PRAM-AGE

FOR QUILTED CRIB PADS, MUSLIN CRIB SHEETS, MUSLIN PILLOWCASES, KNITTED BATH BLANKETS, STOCKINETTE CRIB SHEETS, ALL-WOOL BLANKETS, RECEIVING BLANKETS, TERRY CLOTH BATH ENSEMBLE, TOWELS, WASHCLOTHS.
Claims use since May 1, 1940.

Ser. No. 440,568. AMALGAMATED TEXTILES LIMITED, New York, N. Y. Filed Feb. 12, 1941.

BURMADEEN

FOR WOOLEN AND WORSTED TEXTILE PIECE GOODS.
Claims use since Jan. 10, 1941.

Ser. No. 440,767. ALPREN LEVINTHAL CORP., New York, N. Y. Filed Feb. 19, 1941.

Althal Fabrics

Applicant disclaims the word "Fabrics" except as shown.
FOR PIECE GOODS CONSISTING IN WHOLE OR IN PART OF PURE OR WEIGHTED SILK, RAYON, SYNTHETIC YARN, OR WOOL.
Claims use since Feb. 4, 1937.

Ser. No. 440,782. F. C. HUYCK & SONS, Albany, N. Y. Filed Feb. 19, 1941.

KENWOOD



WOOL PRODUCTS

Conderoga

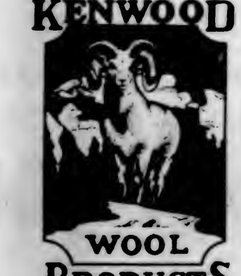
Applicant is owner of T. M. Reg. No. 92,428 (renewed) for the word "Kenwood" effected under the 10-year proviso. No claim is made to the words "Wool Products" apart from the mark.

FOR WOOL BED BLANKETS.

Claims use since Nov. 28, 1940.

Ser. No. 440,783. F. C. HUYCK & SONS, Albany, N. Y. Filed Feb. 19, 1941.

KENWOOD



WOOL PRODUCTS

Cralo

Applicant is owner of T. M. Reg. No. 92,428 (renewed) for the word "Kenwood" effected under the 10-year proviso. No claim is made to the words "Wool Products" apart from the mark.

FOR WOOL BED BLANKETS.

Claims use since Nov. 28, 1940.

Ser. No. 440,801. COHN-HALL-MARX CO., New York, N. Y. Filed Feb. 20, 1941.

Junego

FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS.

Claims use since Jan. 27, 1941.

Ser. No. 440,809. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Feb. 20, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Swanteca

FOR PIECE GOODS CONTAINING CELLULOSE ACETATE RAYON.

Claims use since Jan. 3, 1941.

Ser. No. 440,883. SCHAFFRAN & LANDA, INC., New York, N. Y. Filed Feb. 21, 1941.

Shalanda Jersey

No claim is made to the word "Jersey" apart from the mark.

FOR PIECE GOODS SUCH AS COTTON, WOOL, CREPE, AND RAYON.

Claims use since Nov. 15, 1940.

Ser. No. 440,919. DAVID CRYSTAL, INC., New York, N. Y. Filed Feb. 24, 1941.

JUNIOR MRS.

FOR TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, ACETATE, WOOLEN, COTTON, LINEN, SPUN RAYON, AND/OR COMBINATIONS THEREOF.

Claims use since November, 1940.

Ser. No. 440,966. STONEKIRK WORSTED COMPANY, New York, N. Y. Filed Feb. 24, 1941.

CRICKET



FOR WOOLEN GOODS IN THE PIECE

Claims use since October, 1939.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 439,725. NU-DENT PORCELAIN STUDIO, INC., New York, N. Y. Filed Jan. 16, 1941.

NU-DENT

DENTACRYL

No claim is made to the word "Dent" apart from the mark.

FOR DENTAL CROWNS FOR COVERING TEETH.

Claims use since Jan. 2, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 438,976. CARBONATED BEVERAGES, INC., Detroit, Mich. Filed Dec. 18, 1940.

AMERICOLA

FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND CONCENTRATES FOR MAKING THE SAME.

Claims use since Sept. 2, 1940.

Ser. No. 440,000. PHILIP FISCHER, Chicago, Ill. Filed Jan. 27, 1941.

Champ

FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS USED FOR SOFT DRINKS.

Claims use since December, 1939.

Ser. No. 440,466. THE HUDOR CO., Buffalo, N. Y. Filed Feb. 8, 1941.

DIXIE COOLER

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE SOLD AND USED AS A SOFT DRINK AND FOR SYRUPS, EXTRACTS, AND CONCENTRATES FOR MAKING THE SAME.

Claims use since Jan. 31, 1941.

Ser. No. 440,875. ORANGE-CRUSH COMPANY, Chicago, Ill. Filed Feb. 21, 1941.

OKO

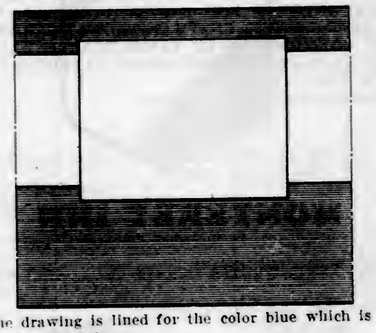
FOR NON-ALCOHOLIC, MALTLESS BEVERAGES AND CONCENTRATES AND COMPOUNDS FOR MAKING THE SAME.

Claims use since Jan. 23, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 403,526. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Feb. 28, 1938.



The drawing is lined for the color blue which is particularly claimed.

FOR DRY YEAST.

Claims use since Jan. 24, 1938.

Ser. No. 437,158. STREATOR CANNING COMPANY, Streator, Ill. Filed Oct. 21, 1940.

Morning Dew

FOR CANNED VEGETABLES AND CANNED CORN MEAL MUSH.

Claims use since July, 1918.

Ser. No. 437,980. C. E. VOOGT CANDY CO., doing business as Lady Baltimore Candy Co., Chicago, Ill. Filed Nov. 16, 1940.



Lady Baltimore

The picture is fanciful.

FOR CANDY.

Claims use since Aug. 26, 1940.

Ser. No. 438,078. THE J. CHAS. MCCULLOUGH SEED COMPANY, Cincinnati, Ohio. Filed Nov. 20, 1940.

WHIZ BANG!

FOR UNCOOKED POPCORN.
Claims use since December, 1936.

Ser. No. 438,243. IRENA AKTIENGESELLSCHAFT KULMBACH, Kulmbach, Germany. Filed Nov. 26, 1940.

Sourex

FOR ARTICLES FOR BAKING PURPOSES, I. E., BACTERIOLOGICS, ENZYMATICS, WATER-BINDING AND CHEMICAL, MORE PARTICULARLY LEAVEN, LEAVEN BACTERIA, AND DOUGH ACIDIFYING MEDIUM FOR BAKING USES.
Claims use since May 23, 1939.

Ser. No. 438,419. SYLMAR PACKING CORP., Los Angeles, Calif. Filed Nov. 30, 1940.

MONTEREY INN

No claim is made to the word "Monterey" apart from the mark.
FOR CANNED FRUITS, CANNED VEGETABLES, AND OLIVES.
Claims use since Nov. 7, 1940.

Ser. No. 438,511. MEYER CANNING CO., Edinburg, Tex. Filed Dec. 4, 1940.

Gold Inn

FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Oct. 7, 1940.

Ser. No. 438,815. SHIELD FOODS, INC., Buffalo, N. Y. Filed Dec. 13, 1940.

Royal Manor

Applicant is the registrant and owner of trade-mark registrations Nos. 341,382 and 379,887, dated Dec. 8, 1936 and July 30, 1940, respectively.
FOR CANNED FRUIT JUICES FOR FOOD PURPOSES—NAMELY, CANNED PEACH NECTARINE NECTAR AND CANNED PEAR NECTAR.
Claims use since Sept. 21, 1937.

Ser. No. 438,860. BRADAS & GHEENS, INC., Louisville, Ky. Filed Dec. 16, 1940.

GHEENS AMERICAN

No claim is made to the word "American" apart from the mark.
FOR CANDY.
Claims use since Oct. 1, 1940.

Ser. No. 439,230. KITCHEN KRAFT FOODS CORPORATION, doing business as Majestic Maid Food Company, Brooklyn, N. Y. Filed Dec. 27, 1940.

Majestic Maid

Applicant is the owner of trade-mark registration No. 366,783, dated May 2, 1939.
FOR POTATO PANCAKE MIX.
Claims use since Dec. 10, 1940.

Ser. No. 439,254. QUALITY PRODUCTS, INC., La Feria, Tex Filed Dec. 28, 1940.

TEX-DELTA

FOR CANNED VEGETABLES AND CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES.
Claims use since May, 1928.

Ser. No. 439,796. BITTING INCORPORATED, New York, N. Y. Filed Jan. 21, 1941, under the act of Feb. 20, 1905, as amended June 10, 1938.

FOR REFINED SUGAR, RAW SUGAR, AND BLACKSTRAP MOLASSES.
Claims use since Dec. 21, 1940.

Ser. No. 439,921. AMPOL INC., New York, N. Y. Filed Jan. 24, 1941.

AMPOL

FOR HAM.
Claims use since January, 1933.

Ser. No. 439,941. MCLEAN PRODUCTS, INC., Mamaroneck, N. Y. Filed Jan. 24, 1941.

ARTICOL

FOR STABILIZER FOR FROZEN CONFECTIONS, CHOCOLATE MILK, AND OTHER DAIRY PRODUCTS.
Claims use since Sept. 10, 1938.

Ser. No. 439,942. MCLEAN PRODUCTS, INC., Mamaroneck, N. Y. Filed Jan. 24, 1941.

LEVITOL

FOR STABILIZER FOR FROZEN CONFECTIONS, CHOCOLATE MILK, AND OTHER DAIRY PRODUCTS.
Claims use since Sept. 10, 1938.

Ser. No. 439,975. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Jan. 25, 1941.

HI-STRETCH

FOR WHEAT FLOUR.
Claims use since Dec. 20, 1940.

Ser. No. 439,996. DIETZ GUM CO. OF CHICAGO, doing business as Dietz Gum Co., Chicago, Ill. Filed Jan. 27, 1941.

5 GRAND

FOR CHEWING GUM.
Claims use since Nov. 15, 1940.

Ser. No. 440,539. THE BORDEN COMPANY, New York, N. Y. Filed Feb. 11, 1941.



FOR PASTEURIZED CHEESE FOOD MIXTURE OF PROCESS AGED AMERICAN CHEESE, CREAM, SALT, AND VEGETABLE COLORING.
Claims use since Dec. 31, 1940

Ser. No. 440,555. HEMET MUTUAL GROVES, Hemet, Calif. Filed Feb. 11, 1941.

TAHQUITZ

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 4, 1941.

Ser. No. 440,712. THE BORDEN COMPANY, doing business as Borden's Ice Cream Company, Baltimore, Md. Filed Feb. 17, 1941.



FOR ICE CREAM.
Claims use since June 5, 1936.

Ser. No. 440,734. HENRY Y. SASAKI, Los Angeles, Calif. Filed Feb. 17, 1941.

Tip-off

FOR FRESH VEGETABLES.
Claims use since Nov. 6, 1939.

Ser. No. 440,740. CANADIAN MILL & ELEVATOR COMPANY, El Reno, Okla. Filed Feb. 18, 1941.

dress parade

FOR WHEAT FLOUR.
Claims use since July, 1938.

CLASS 47

WINES

Ser. No. 439,645. ACHAIA-CLAUSS WINE COMPANY, LTD., New York, N. Y. Filed Jan. 14, 1941. Under 10-year proviso.

ACHAIA

FOR WINES.
Claims use since 1893.

Ser. No. 440,295. SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Feb. 4, 1941.

Chateau Blanc

FOR WINES.
Claims use since Dec. 14, 1939.

Ser. No. 440,296. SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Feb. 4, 1941.

EAST LAKE

FOR WINES.
Claims use since Aug. 29, 1940.

Ser. No. 440,297. SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Feb. 4, 1941.

Silver Age

FOR WINES.
Claims use since Jan. 26, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 435,905. HOMASOTE COMPANY, INC., Fernwood, N. J. Filed Sept. 12, 1940.

DURO PLATFORM

No claim is made to the word "Platform" except when used in conjunction with the word "Duro."
FOR FIBROUS SHEET MATERIAL FOR USE IN THE MANUFACTURE OF SHOE HEELS, INNER SOLES, PLATFORMS, AND THE LIKE.
Claims use since June 10, 1940.

Ser. No. 439,295. PRODUCTS, INC., Denver, Colo. Filed Dec. 30, 1940.



The words "Moulded Hangers" and the representation of the goods are disclaimed apart from the mark. The picture is fanciful.
FOR GARMENT HANGERS.
Claims use since Dec. 10, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 15, 1941

386,462. AMMUNITION, PARTICULARLY FACTORY LOADED METALLIC CARTRIDGES AND PAPER SHOT SHELLS. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed April 28, 1938. Serial No. 405,824. PUBLISHED JANUARY 2, 1940. Class 9.

386,463. WHEAT FLOUR. THE SHELLABARGER MILL & ELEVATOR COMPANY, doing business as The Shellabarger Mills, Salina, Kans.
Filed January 30, 1939. Serial No. 415,418. PUBLISHED AUGUST 1, 1939. Class 46.

386,464. COOKIES. STERLING CAKE COMPANY, INC., Brooklyn, N. Y.
Filed February 8, 1939. Serial No. 415,802. PUBLISHED FEBRUARY 4, 1941. Class 46.

386,465. COFFEE, SALAD DRESSING, PANCAKE FLOUR, COOKIES, PEANUT BUTTER, EGG NOODLES, AND BREAD. CHARLES G. BATHÉ, Tulsa, Okla.
Filed February 28, 1939. Serial No. 416,499. PUBLISHED AUGUST 1, 1939. Class 46.

386,466. SOLDER. GLASER LEAD COMPANY, INC., Brooklyn, N. Y.
Filed July 11, 1939. Serial No. 421,458. PUBLISHED JANUARY 28, 1941. Class 14.

386,467. ALKALINE AND ANALGESIC TABLETS. MCKAY-DAVIS COMPANY, Toledo, Ohio.
Filed July 28, 1939. Serial No. 422,064. PUBLISHED NOVEMBER 14, 1939. Class 6.

386,468. INDUSTRIAL FINISH IN THE NATURE OF A PAINT, VARNISH OR ENAMEL SOLD IN LIQUID READY MIXED FORM, BOTH READY TO USE AND AS A CONCENTRATE. NEW WRINKLE, INC., Dayton, Ohio.
Filed October 11, 1939. Serial No. 424,437. PUBLISHED JANUARY 16, 1940. Class 16.

386,469. BREAD. HOWE-ANDERSON COMPANY, doing business as Howe-Anderson Bakery, Galesburg, Ill.
Filed October 16, 1939. Serial No. 424,594. PUBLISHED FEBRUARY 27, 1940. Class 46.

386,470. GENERAL LINE OF FRESH PRODUCE—NAMELY, FRESH TOMATOES, FRESH PEPPERS, GREEN PEAS, AND LETTUCE. EMMETT E. OLIVER, Nogales, Ariz.
Filed November 2, 1939. Serial No. 425,162. PUBLISHED JUNE 4, 1940. Class 46.

386,471. COFFEE. WILLIAM SHEPARD, doing business as New Yorker's Coffee & Tea Co., New York, N. Y.
Filed November 9, 1939. Serial No. 425,490. PUBLISHED FEBRUARY 4, 1941. Class 46.

386,472. FACE POWDER INCLUDING TALCUM, TOILET POWDER PERFUMED AND NON-PERFUMED, LIPSTICKS, NAIL POLISH, AND PERFUMES. MORIS GIMELSTEIN, Habana, Cuba.
Filed November 24, 1939. Serial No. 425,917. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,473. TENNIS, SQUASH, AND BADMINTON PLAYING RACKETS. HORACE W. HALL, Newton Highlands, Mass., assignor to S. H. Kress and Company, New York, N. Y., a corporation of New York.
Filed December 21, 1939. Serial No. 426,809. PUBLISHED MARCH 5, 1940. Class 22.

386,474. CANNED FRUITS, CANNED VEGETABLES. ALLEN PACKING COMPANY, INC., Thomasville, Ga.
Filed January 11, 1940. Serial No. 427,326. PUBLISHED FEBRUARY 4, 1941. Class 46.

386,475. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 1, 1940. Serial No. 428,126. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,476. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 1, 1940. Serial No. 428,127. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,477. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 1, 1940. Serial No. 428,128. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,478. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 2, 1940. Serial No. 428,165. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,479. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 2, 1940. Serial No. 428,166. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,480. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 2, 1940. Serial No. 428,167. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,481. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC AND ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 2, 1940. Serial No. 428,168. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,482. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 3, 1940. Serial No. 428,197. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,483. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES, AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 3, 1940. Serial No. 428,198. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,484. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 5, 1940. Serial No. 428,249. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,485. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 5, 1940. Serial No. 428,250. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,486. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed February 5, 1940. Serial No. 428,251. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,487. POWDER LOTION FOR THE SKIN, A QUICK SETTING HAIR LOTION, NIGHT CREAM FOR THE SKIN, AND LIP STICKS. MARIATTA SPECIALE, doing business as Aridus Products, Brooklyn, N. Y.
Filed March 2, 1940. Serial No. 429,138. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,488. INSECTICIDE DUST FOR KILLING VARIOUS PESTS SUCH AS CABBAGE WORM, DIAMOND BACK LOOPER, LEAF TYER, APHIDS, ETC. SEACOAST LABORATORIES, INC., New York, N. Y.
Filed March 15, 1940. Serial No. 429,626. PUBLISHED JANUARY 28, 1941. Class 6.

386,489. CARBON REMOVER. EDWARD T. BARRON, doing business as Barron Chemical Products Company, Minneapolis, Minn.
Filed March 26, 1940. Serial No. 429,968. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,490. FRESH CITRUS FRUITS, AND FRESH VEGETABLES. ENGEBRETSON-GRUPE CO., Los Angeles, Calif.
Filed March 26, 1940. Serial No. 429,972. PUBLISHED JANUARY 28, 1941. Class 46.

386,491. SOAPS. CATHERINE K. GORDON, doing business as House of Gordon, Chicago, Ill.
Filed April 10, 1940. Serial No. 430,601. PUBLISHED FEBRUARY 4, 1941. Class 4.

386,492. ELECTRIC REMOTE CONTROL SOUND DISTRIBUTION SYSTEMS. SINGING TOWERS, INC., Chicago, Ill.
Filed May 8, 1940. Serial No. 431,714. PUBLISHED FEBRUARY 4, 1941. Class 21.

386,493. INNER TUBES COMPOSED OF RUBBER AND/OR FABRIC FOR PNEUMATIC VEHICLE TIRES. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed May 10, 1940. Serial No. 431,763. PUBLISHED FEBRUARY 4, 1941. Class 35.

386,494. CENTRIFUGAL SEPARATORS. THE SHARPLES CORPORATION, Philadelphia, Pa.
Filed May 21, 1940. Serial No. 432,198. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,495. CIGARETTES. LUTHER S. TALL, Baltimore, Md.
Filed June 11, 1940. Serial No. 432,903. PUBLISHED FEBRUARY 4, 1941. Class 17.

386,496. COMBINED PROTECTOR AND CURLER FOR USE IN PERMANENT WAVING. C. & W. MANUFACTURING CO., Chicago, Ill.
Filed June 24, 1940. Serial No. 433,336. PUBLISHED FEBRUARY 4, 1941. Class 44.

386,497. REFRIGERATED DISPLAY CABINETS FOR VENDING ICE CREAM, FROZEN FOODS, AND SIMILAR PRODUCTS. HAROLD L. SCHAEFER, INCORPORATED, Minneapolis, Minn.
Filed July 3, 1940. Serial No. 433,674. PUBLISHED FEBRUARY 4, 1941. Class 31.

386,498. COMBINED LIPSTICK AND PERFUME STICK. JOHNSON-COLQUITT COMPANY, INCORPORATED, Baltimore, Md.
Filed July 9, 1940. Serial No. 433,785. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,499. ECZEMA MEDICINE PARTICULARLY IN THE FORM OF LOTIONS. ERASTUS WILLIAM WILSON, Ste. Anne de Bellevue, Quebec, Canada.
Filed July 11, 1940. Serial No. 433,878. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,500. CORDAGE CONSISTING OF RIBBON-LIKE COTTON TYING MATERIAL USED AS CORDAGE AND FOR TYING PURPOSES. CHICAGO PRINTED STRING CO., Chicago, Ill.
Filed July 22, 1940. Serial No. 434,202. PUBLISHED FEBRUARY 4, 1941. Class 7.

386,501. VENDING MACHINES FOR VENDING PRINTS, PUBLICATIONS, AND MERCHANDISE. JOSEPH P. WILSON, Columbia, S. C.
Filed July 23, 1940. Serial No. 434,257. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,502. WING SWEEPS AND LIKE GROUND-WORKING AGRICULTURAL METAL TOOLS. THE EMPIRE PLOW COMPANY, Cleveland, Ohio.
Filed August 8, 1940. Serial No. 434,782. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,503. FILTERS. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y.
Filed August 15, 1940. Serial No. 435,038. PUBLISHED FEBRUARY 4, 1941. Class 31.

386,504. DRY CLEANING AND LAUNDRY WASHERS TUMBLERS AND EXTRACTORS AND DRYING CABINETS. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y.
Filed August 15, 1940. Serial No. 435,039. PUBLISHED FEBRUARY 4, 1941. Class 24.

386,505. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed August 20, 1940. Serial No. 435,178. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,506. CINE AND PHOTO-TAKING CAMERAS AND PARTS THEREOF; PHOTOGRAPHIC AND CINEMATOGRAPHIC PROJECTORS AND PARTS THEREOF; PHOTOGRAPHIC ENLARGING APPARATUS AND PARTS THEREOF; FILM CASES; AND TRIPODS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.
Filed August 20, 1940. Serial No. 435,179. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,507. ELECTRICAL INSULATION MATERIAL, ELECTRICAL INSULATING VARNISH, ELECTRICAL INSULATION PARTS, AND ELECTRICAL INSULATORS. H. D. SYMONS & COMPANY LIMITED, Kingston Hill, England.
Filed August 22, 1940. Serial No. 435,260. PUBLISHED FEBRUARY 4, 1941. Class 21.

386,508. FREE MACHINING RODS OF AGE HARDENABLE AND HARDENED NICKEL-COPPER ALLOYS. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed August 23, 1940. Serial No. 435,297. PUBLISHED JANUARY 28, 1941. Class 14.

386,509. FURNITURE AND AUTOMOBILE BODY POLISH. LOUIS CECCARELLI, doing business as Glorishine Products, Sacramento, Calif.
Filed August 30, 1940. Serial No. 435,530. PUBLISHED JANUARY 28, 1941. Class 16.

386,510. RUGS AND CARPETS. G. FRIED & SONS, INC., Brooklyn, N. Y.
Filed September 6, 1940. Serial No. 435,712. PUBLISHED JANUARY 28, 1941. Class 42.

386,511. FOOD PRODUCTS—NAMELY, BUCKWHEAT GROATS, FANCY GRITS, PEARLED BARLEY, FARINA, MATZO MEAL, CUT OATMEAL, CORNMEAL, ETC. S. & J. KAUFMAN FOOD PRODUCTS CORP., New York, N. Y.
Filed September 10, 1940. Serial No. 435,852. PUBLISHED FEBRUARY 4, 1941. Class 46.

386,512. FRANGIBLE CONTAINERS IN THE NATURE OF BOTTLES, VIALS, OR AMPULES, MADE OF VARIOUS MATERIALS. REICHEL LABORATORIES, Kimberton, Pa.
Filed September 12, 1940. Serial No. 435,920. PUBLISHED JANUARY 7, 1941. Class 2.

386,513. CREAM DEPILATORY. CARTER PRODUCTS, INC., New York, N. Y.
Filed September 14, 1940. Serial No. 435,966. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,514. ELECTRIC SCISSORS. JACK GALTER, Chicago, Ill., assignor by mesne assignments, to General Transformer Corporation, Chicago, Ill.
Filed September 14, 1940. Serial No. 435,974. PUBLISHED NOVEMBER 19, 1940. Class 23.

386,515. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. THE CROSLEY CORPORATION, Cincinnati, Ohio.
Filed September 24, 1940. Serial No. 436,301. PUBLISHED FEBRUARY 4, 1941. Class 19.

386,516. VEGETABLE SHORTENING MADE FROM HYDROGENATED VEGETABLE OILS, FOR CAKE MAKING, CAKE ICING, ETC. THE GLIDDEN COMPANY, Cleveland, Ohio, doing business as Durkee Famous Foods, New York, N. Y., Chicago, Ill., Louisville, Ky., and Berkeley, Calif.
Filed October 3, 1940. Serial No. 436,605. PUBLISHED DECEMBER 17, 1940. Class 46.

386,517. TABLETS CONTAINING THIAMINE HYDROCHLORIDE (VITAMIN B_1 SYNTHETIC), CEVITAMIC ACID (CRYSTALLINE SYNTHETIC VITAMIN C), AND NICOTINIC ACID, FOR USE, WHEN PRESCRIBED BY PHYSICIANS, IN TREATING VITAMIN DEFICIENCIES IN THE HUMAN SYSTEM. HAACK BROS. MANUFACTURING PHARMACISTS, Portland, Oreg.
Filed October 4, 1940. Serial No. 436,649. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,518. FACE OR CLEANSING CREAM. MARY K. NIEBUHR AND FRANCES DAHLIN, Chicago, Ill.
Filed October 5, 1940. Serial No. 436,676. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,519. HYDRAULIC BRAKE MASTER CYLINDER AND WHEEL CYLINDER ASSEMBLY REPLACEMENT PARTS SOLD IN KITS. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed October 14, 1940. Serial No. 436,927. PUBLISHED FEBRUARY 4, 1941. Class 19.

386,520. ELEVATING, CONVEYING, TRANSMISSION, AND POWER-TRANSMISSION MACHINERY, ESPECIALLY TYPES EMPLOYING A CHAIN OR CHAINS, ETC. THE UNION CHAIN AND MANUFACTURING COMPANY, Sandusky, Ohio.
Filed October 14, 1940. Serial No. 436,950. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,521. ARTIST SUPPLIES, SUCH AS—NAMELY, PALETTES. STERGIUS T. PETRA, doing business as Petra Wood Novelty Co., New York, N. Y.
Filed October 15, 1940. Serial No. 436,978. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,522. STEEL IN THE FORM OF BARS, BLOCKS, RODS, AND PIECES OF VARIOUS SIZES. HAWKRIDGE BROTHERS COMPANY, Boston, Mass.
Filed October 16, 1940. Serial No. 436,998. PUBLISHED JANUARY 28, 1941. Class 14.

386,523. GRAVERS, CHISELS, GOUGERS, BURNISHERS, TRACERS, FILES, AND TWEEZERS, AND PLIERS. HAMMEL, RIGLANDER & CO., INC., New York, N. Y.
Filed October 18, 1940. Serial No. 437,064. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,524. SANDING APPARATUS FOR MOTOR VEHICLES ADAPTED TO DEPOSIT SAND ON THE ROADWAY ADJACENT TO THE WHEELS OF THE VEHICLE. SANDOLATOR CORPORATION, Boston, Mass.
Filed October 22, 1940. Serial No. 437,181. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,525. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS, ESPECIALLY GINGER ALE AND GINGER ALE EXTRACTS. GEORGE M. PARIS & COMPANY, INC., Lexington and Cambridge, Mass.
Filed October 23, 1940. Serial No. 437,215. PUBLISHED JANUARY 28, 1941. Class 45.

386,526. MALTLESS, NONALCOHOLIC, NONCEREAL BEVERAGE SOLD AS A SOFT DRINK. TORO, HERNANDEZ & CIA, SUCRS., Caracas, Venezuela.
Filed October 24, 1940. Serial No. 437,257. PUBLISHED JANUARY 28, 1941. Class 45.

386,527. PIECE GOODS OF COTTON, RAYON, LINEN, OR WOOL, OR MIXTURES THEREOF. THE APPONAUG COMPANY, Apponaug, R. I.
Filed October 25, 1940. Serial No. 437,261. PUBLISHED JANUARY 28, 1941. Class 42.

386,528. WOOD AND FLOOR FINISHES AND PAINT AND VARNISH PRODUCTS—NAMELY, DYE-STAINS FOR USE ON NEW WOOD, CLEAR WAX-VARNISH PROTECTIVE COATING AND CLEAR WAX-VARNISH-FILLER PROTECTIVE COATING FOR OAK FLOORING. O'BRIEN VARNISH COMPANY, South Bend, Ind.
Filed October 28, 1940. Serial No. 437,348. PUBLISHED JANUARY 28, 1941. Class 16.

386,529. RAZORS, RAZOR BLADES, PENKNIVES (OF BASE METAL), SCISSORS, KNIVES (OF BASE METAL.) CUTELARIAS ADAGA LIMITADA, Rio de Janeiro, Brazil.
Filed October 29, 1940. Serial No. 437,368. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,530. REEDS FOR MUSICAL INSTRUMENTS AND MUSICAL INSTRUMENTS SUCH AS CLARINETS AND SAXOPHONES, AND ACCESSORIES SUCH AS REEDS, MOUTH PIECES, AND STRINGS. WM. R. GRATZ IMPORT COMPANY, New York, N. Y.
Filed October 29, 1940. Serial No. 437,370. PUBLISHED FEBRUARY 4, 1941. Class 36.

386,531. BEER, ALE, AND OTHER MALT BEVERAGES. BEVERWYCK BREWERIES, INC., Albany, N. Y.
Filed October 31, 1940. Serial No. 437,430. PUBLISHED FEBRUARY 4, 1941. Class 48.

386,532. BEER, ALE, AND OTHER MALT BEVERAGES. BEVERWYCK BREWERIES, INC., Albany, N. Y.
Filed November 2, 1940. Serial No. 437,499. PUBLISHED FEBRUARY 4, 1941. Class 48.

386,533. RAYON PIECE GOODS OF ACETATE, SUEDE FINISH, SHEER FABRIC. BLOOMSBURG SILK MILL, New York, N. Y.
Filed November 2, 1940. Serial No. 437,500. PUBLISHED JANUARY 28, 1941. Class 42.

386,534. WHEAT FLOUR. THE ABILENE FLOUR MILLS COMPANY, Abilene, Kans.
Filed November 6, 1940. Serial No. 437,611. PUBLISHED FEBRUARY 4, 1941. Class 46.

386,535. TENNIS, VOLLEY BALL, AND BADMINTON NETS. R. J. EDERER & Co., Chicago, Ill.
Filed November 7, 1940. Serial No. 437,645. PUBLISHED FEBRUARY 4, 1941. Class 22.

386,536. COATING FOR APPARATUS USED IN ELECTRO-PLATING, PARTICULARLY SUCH APPARATUS AS RACKS, TANKS, BUS BARS, CLEANING BASKETS, EXHAUST SYSTEMS, BARRELS, AND PLATING MACHINERY. MICHIGAN CHROME & CHEMICAL CO., Detroit, Mich.
Filed November 7, 1940. Serial No. 437,660. PUBLISHED FEBRUARY 4, 1941. Class 21.

386,537. APPLIANCES FOR TRANSFERRING COAL TO LOCOMOTIVE TENDERS. ROSS AND WHITE COMPANY, Chicago, Ill.
Filed November 7, 1940. Serial No. 437,668. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,538. PHONOGRAPH RECORDS. MUSICRAFT RECORDS INC., New York, N. Y.
Filed November 8, 1940. Serial No. 437,690. PUBLISHED FEBRUARY 4, 1941. Class 36.

386,539. WATER PAINTS. M. EWING FOX CO., INC., New York, N. Y.
Filed November 9, 1940. Serial No. 437,721. PUBLISHED FEBRUARY 4, 1941. Class 16.

386,540. DRY CELLS FOR FLASH LIGHTS AND THE LIKE. RAY-O-VAC COMPANY, Madison, Wis.
Filed November 9, 1940. Serial No. 437,740. PUBLISHED FEBRUARY 4, 1941. Class 21.

386,541. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed November 9, 1940. Serial No. 437,745. PUBLISHED FEBRUARY 4, 1941. Class 49.

386,542. RUM. BOHEMIAN DISTRIBUTING COMPANY, Los Angeles, Calif.
Filed November 12, 1940. Serial No. 437,755. PUBLISHED FEBRUARY 4, 1941. Class 49.

386,543. TYPEWRITERS AND PARTS THEREOF. CLEMENTINE CAMILLE MARIE PALANQUE, London, England.
Filed November 12, 1940. Serial No. 437,758. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,544. FRESH VEGETABLES AND FRESH FRUITS —NAMELY, MELONS. COSTA BROS., Yuba City, Calif.
Filed November 12, 1940. Serial No. 437,759. PUBLISHED FEBRUARY 4, 1941. Class 46.

386,545. COTTON, RAYON, ACETATE AND OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed November 13, 1940. Serial No. 437,810. PUBLISHED FEBRUARY 4, 1941. Class 42.

386,546. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed November 13, 1940. Serial No. 437,840. PUBLISHED FEBRUARY 4, 1941. Class 2.

386,547. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed November 13, 1940. Serial No. 437,841. PUBLISHED FEBRUARY 4, 1941. Class 2.

386,548. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed November 13, 1940. Serial No. 437,843. PUBLISHED FEBRUARY 4, 1941. Class 2.

386,549. PAPER BAGS. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio.
Filed November 13, 1940. Serial No. 437,844. PUBLISHED FEBRUARY 4, 1941. Class 2.

386,550. POWER PRESSES AND PARTS THEREOF, WHICH MAY BE MORE PARTICULARLY DESIGNATED AS CUTTING PRESSES, ETC. FERRACUTE MACHINE COMPANY, Bridgeton, N. J.
Filed November 14, 1940. Serial No. 437,859. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,551. NONALCOHOLIC MALTLESS FRUIT JUICES AND FRUIT CONCENTRATES FOR BEVERAGE PURPOSES. MONROE HARRISON, Chicago, Ill.
Filed November 14, 1940. Serial No. 437,867. PUBLISHED JANUARY 28, 1941. Class 45.

386,552. CHEESE. BEL PAESE SALES CO., INC., New York, N. Y.
Filed November 16, 1940. Serial No. 437,933. PUBLISHED FEBRUARY 4, 1941. Class 46.

386,553. FLUID FLOW METERS. FISCHER & PORTER COMPANY, Philadelphia, Pa.
Filed November 16, 1940. Serial No. 437,942. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,554. FUNGICIDE FOR USE ON VEGETATION. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed November 16, 1940. Serial No. 437,943. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,555. ELECTRIC SOLDERING IRONS AND ELECTRIC BRANDING IRONS. ARTHUR L. JOHNSON, doing business as Hexacon Electric Company, Roselle Park, N. J.
Filed November 16, 1940. Serial No. 437,948. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,556. ELECTRIC SOLDERING IRONS. ARTHUR L. JOHNSON, doing business as Hexacon Electric Company, Roselle Park, N. J.
Filed November 16, 1940. Serial No. 437,949. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,557. NATURAL VITAMIN B COMPLEX. NUTRITION RESEARCH LABORATORIES, Chicago, Ill.
Filed November 16, 1940. Serial No. 437,954. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,558. AIR RIFLES. A. B. T. MANUFACTURING CORP., Chicago, Ill.
Filed November 18, 1940. Serial No. 437,985. PUBLISHED FEBRUARY 4, 1941. Class 9.

386,559. CATHETERS, SURGICAL DRAINS, AND SURGICAL AND LABORATORY RUBBER TUBING. CLAY-ADAMS CO., INC., New York, N. Y.
Filed November 18, 1940. Serial No. 437,993. PUBLISHED FEBRUARY 4, 1941. Class 44.

386,560. VARNISH FOR USE ON FLOORS, FURNITURE, AND ANALOGOUS SURFACES. UNITED CHEMICAL CO., INC., Kansas City, Mo.
Filed November 18, 1940. Serial No. 438,027. PUBLISHED FEBRUARY 4, 1941. Class 16.

386,561. HEAT RETAINING CONTAINERS MADE OF CARDBOARD FOR NURSING BOTTLES. CHARLES N. LOCKWOOD, Chicago, Ill.
Filed November 20, 1940. Serial No. 438,075. PUBLISHED FEBRUARY 4, 1941. Class 2.

386,562. CHEMICALS FOR REMOVING RUST AND CORROSION FROM BOILERS, INTERNAL COMBUSTION ENGINES, RADIATORS, HEATING SYSTEMS, PIPES, WELLS, WELL CASINGS, WELL SCREENS, AND THE LIKE. MILLER MANUFACTURING COMPANY, Camden, N. J.
Filed November 20, 1940. Serial No. 438,080. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,563. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed November 20, 1940. Serial No. 438,082. PUBLISHED FEBRUARY 4, 1941. Class 49.

386,564. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, PADS IMPREGNATED WITH DEODORANT AND ANTI-PERSPIRANT LOTION, CREAMS FOR THE HANDS AND FACE, CLEANSING PADS IMPREGNATED WITH LOTION, PREPARATIONS FOR SKIN, HAIR, AND FINGER NAILS, AND PERFUMES. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed November 22, 1940. Serial No. 438,106. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,565. FISH MEAL USED IN HEALTH RATION FOR POULTRY, LIVESTOCK, DOG, AND CAT FOOD. FRANCO-ITALIAN PACKING CORP., Terminal Island, Calif.
Filed November 22, 1940. Serial No. 438,128. PUBLISHED FEBRUARY 4, 1941. Class 46.

386,566. ANALGESIC FOR THE TEMPORARY RELIEF OF PAIN. TEMPLETONS INCORPORATED, Buffalo, N. Y.
Filed November 22, 1940. Serial No. 438,162. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,567. PACKAGES CONTAINING DENTAL ALLOY. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed November 22, 1940. Serial No. 438,167. PUBLISHED FEBRUARY 4, 1941. Class 44.

386,568. BATH, FACE, HAND, AND BEACH TOWELS. EUREKA MILLS, INCORPORATED, Philadelphia, Pa.
Filed November 23, 1940. Serial No. 438,176. PUBLISHED JANUARY 28, 1941. Class 42.

386,569. PAPER TOWEL DISPENSERS. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y.
Filed November 27, 1940. Serial No. 438,261. PUBLISHED FEBRUARY 4, 1941. Class 23.

386,570. ABRASIVE PRODUCTS—NAMELY, ABRASIVE STONES, ABRASIVE STICKS, ABRASIVE BRICKS, AND ABRASIVE SEGMENTS; ABRASIVE GRINDING, LAPPING, SHARPENING, AND POLISHING WHEELS; ABRASIVE, LAPPING, AND POLISHING GRAINS OR POWDERS. NORTON COMPANY, Worcester, Mass.
Filed November 27, 1940. Serial No. 438,276. PUBLISHED JANUARY 28, 1941. Class 4.

386,571. ABRASIVE PRODUCTS—NAMELY, ABRASIVE STONES, ABRASIVE STICKS, ABRASIVE BRICKS, AND ABRASIVE SEGMENTS; ABRASIVE GRINDING, LAPPING, SHARPENING, AND POLISHING WHEELS; ABRASIVE, LAPPING, AND POLISHING GRAINS OR POWDERS. NORTON COMPANY, Worcester, Mass.
Filed November 27, 1940. Serial No. 438,277. PUBLISHED FEBRUARY 4, 1941. Class 4.

386,572. DETERGENT COMPOUND USEFUL IN DEGREASING AND DESOILING OF METALS AND TEXTILES. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed November 27, 1940. Serial No. 438,294. PUBLISHED JANUARY 28, 1941. Class 4.

386,573. THREADS AND YARNS MADE OF COTTON, LINEN, RAYON, SILK, AND SATIN AND MIXTURES THEREOF. EDWARD P. STAHEL & CO., INC., New York, N. Y.
Filed November 28, 1940. Serial No. 438,320. PUBLISHED FEBRUARY 4, 1941. Class 43.

386,574. DEMOUNTABLE SPECIALLY TREATED GLASS WINDOWS, KNOWN IN THE TRADE AS "COVER GLASSES" FOR USE WITH ELECTRIC ARC HELMETS AND HAND SHIELDS FOR PROTECTION AGAINST ARC-SPATTERED METAL. ACE WELDING LABORATORIES, St. Paul, Minn.
Filed November 29, 1940. Serial No. 438,324. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,575. WOOLEN PIECE GOODS. S. STEIN & Co., New York, N. Y.
Filed November 29, 1940. Serial No. 438,362. PUBLISHED JANUARY 28, 1941. Class 42.

386,576. WOOLEN AND WORSTED PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed November 30, 1940. Serial No. 438,371. PUBLISHED JANUARY 28, 1941. Class 42.

386,577. CAPSULES SOLD EMPTY IN THE TRADE FOR CONTAINING MEDICINAL PREPARATIONS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 2, 1940. Serial No. 438,426. PUBLISHED FEBRUARY 4, 1941. Class 2.

386,578. BATH SCALES. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed December 2, 1940. Serial No. 438,431. PUBLISHED FEBRUARY 4, 1941. Class 26.

386,579. LAUNDRY WASHING MACHINES. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y.
Filed December 2, 1940. Serial No. 438,432. PUBLISHED FEBRUARY 4, 1941. Class 24.

386,580. SHEETS, PILLOWCASES, SHEETINGS, TUBING, AND PIECE GOODS OF COTTON, RAYON (VISCOSE AND ACETATE), LINEN, AND COMBINATIONS THEREOF. THE ERWIN COTTON MILLS COMPANY, West Durham, N. C.
Filed December 2, 1940. Serial No. 438,433. PUBLISHED FEBRUARY 4, 1941. Class 42.

386,581. BLUE PIGMENT FOR PAINTS. ANSBACHER SIEGLE CORPORATION, New York, N. Y.
Filed December 3, 1940. Serial No. 438,465. PUBLISHED FEBRUARY 4, 1941. Class 16.

386,582. VARNISHES FOR WATER COLOR PAINTS. ANSBACHER SIEGLE CORPORATION, New York, N. Y.
Filed December 3, 1940. Serial No. 438,466. PUBLISHED JANUARY 28, 1941. Class 16.

386,583. TEXTILE FABRICS OF COTTON, LINEN, RAYON, ACETATE, WOOL, AND MIXTURES OF THESE FIBRES IN THE NATURE OF PIECE GOODS. THE UNITED STATES FINISHING COMPANY, Norwich, Conn.
Filed December 3, 1940. Serial No. 438,494. PUBLISHED FEBRUARY 4, 1941. Class 42.

386,584. SEPARABLE SLIDE FASTENERS. CROWN FASTENER CORPORATION, Warren, R. I.
Filed December 4, 1940. Serial No. 438,504. PUBLISHED FEBRUARY 4, 1941. Class 13.

386,585. PIECE GOODS OF COTTON AND RAYON AND MIXTURES THEREOF. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. and New York, N. Y.
Filed December 4, 1940. Serial No. 438,515. PUBLISHED FEBRUARY 4, 1941. Class 42.

386,586. BEER, ALE, PORTER, AND STOUT. BARBEY'S, INC., Reading, Pa.
Filed December 5, 1940. Serial No. 438,526. PUBLISHED JANUARY 28, 1941. Class 48.

386,587. WINES. CELLA WINE COMPANY, Fresno, Calif.
Filed December 5, 1940. Serial No. 438,528. PUBLISHED FEBRUARY 4, 1941. Class 47.

386,588. SHOWER CURTAINS, AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT. PARA MANUFACTURING CO., INC., Newark, N. J.
Filed December 6, 1940. Serial No. 438,580. PUBLISHED FEBRUARY 4, 1941. Class 13.

386,589. SHOWER CURTAINS, AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT. PARA MANUFACTURING CO., INC., Newark, N. J.
Filed December 6, 1940. Serial No. 438,581. PUBLISHED FEBRUARY 4, 1941. Class 13.

386,590. COTTON PIECE GOODS. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England.
Filed December 7, 1940. Serial No. 438,636. PUBLISHED FEBRUARY 4, 1941. Class 42.

386,591. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, AND SIRUP AND EXTRACT FOR MAKING THE SAME. GEORGE SCHNEIDER & CO., INC., Brooklyn, N. Y.
Filed December 10, 1940. Serial No. 438,700. PUBLISHED FEBRUARY 4, 1941. Class 45.

386,592. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING SAME. 20TH CENTURY BEVERAGE CO., Philadelphia, Pa.
Filed December 10, 1940. Serial No. 438,711. PUBLISHED FEBRUARY 4, 1941. Class 45.

386,593. VARIOUS CHEMICALS, DRUGS, PHARMACEUTICALS, THERAPEUTIC DIETARY SUPPLEMENTS, ANTISEPTICS, GERMICIDES, ETC. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 11, 1940. Serial No. 438,716. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,594. TABLECOVERS, NAPKINS, BEDSPREADS, DRAPERIES, AND TABLE MATS. SHERWIN BROS., New York, N. Y.
Filed December 11, 1940. Serial No. 438,744. PUBLISHED FEBRUARY 4, 1941. Class 42.

386,595. APPLE JUICE FOR BEVERAGE PURPOSES. BERKS-LEHIGH COOPERATIVE FRUIT GROWERS, INC., Boyertown, Pa.
Filed December 12, 1940. Serial No. 438,756. PUBLISHED FEBRUARY 4, 1941. Class 45.

386,596. APPARATUS FOR PRODUCING A GAS FOR USE AS A SPECIAL ATMOSPHERE IN INDUSTRIAL HEATING FURNACES. SURFACE COMBUSTION CORPORATION, Toledo, Ohio.
Filed December 12, 1940. Serial No. 438,777. PUBLISHED FEBRUARY 4, 1941. Class 34.

386,597. INDUSTRIAL FURNACES EQUIPPED WITH A GENERATOR FOR PRODUCING A PROTECTIVE ATMOSPHERE FOR METAL ARTICLES PLACED IN THE FURNACE. SURFACE COMBUSTION CORPORATION, Toledo, Ohio.
Filed December 12, 1940. Serial No. 438,778. PUBLISHED FEBRUARY 4, 1941. Class 34.

386,598. GAS-FIRED INDUSTRIAL HEATING FURNACES. SURFACE COMBUSTION CORPORATION, Toledo, Ohio.
Filed December 12, 1940. Serial No. 438,779. PUBLISHED FEBRUARY 4, 1941. Class 34.

386,599. REFLECTORS FOR CATCHING, DIFFUSING, AND THROWING DIFFUSED SUNRAYS UPON THE HUMAN BODY. WILLIAM BARETT, doing business as Sun Magnet Company, New York, N. Y., assignor to Estelle Berne, Forest Hills, New York, N. Y.
Filed December 14, 1940. Serial No. 438,829. PUBLISHED FEBRUARY 4, 1941. Class 44.

386,600. POLYVITAMIN PREPARATION FOR USE AS A DIETARY SUPPLEMENT IN THE TREATMENT OF CONDITIONS INVOLVING VITAMIN DEFICIENCY. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed December 21, 1940. Serial No. 439,070. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,601. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed December 21, 1940. Serial No. 439,074. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,602. MEDICINAL COMPOUND FOR TREATMENT OF SKIN DISORDERS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 23, 1940. Serial No. 439,086. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,603. MEDICINAL COMPOUND USED IN THE TREATMENT OF CERTAIN SKIN DISORDERS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 23, 1940. Serial No. 439,087. PUBLISHED FEBRUARY 4, 1941. Class 6.

386,604. CHILD'S PUSH TOY WHICH COMPRISES A WHEELED TOY IN WHICH THE STEERING IS ACCOMPLISHED BY TILTING THE MAIN BODY OF THE STRUCTURE SIDEWISE IN EITHER DIRECTION FROM ITS NORMAL UPRIGHT POSITION. ALBERT L. MCHENRY, Millinville, Pa.
Filed December 23, 1940. Serial No. 439,113. PUBLISHED FEBRUARY 4, 1941. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

386,605. (CLASS 39. CLOTHING.) C. F. HATHAWAY CO., Waterville, Maine. Filed Mar. 12, 1940. Serial No. 429,477.

DROP-FRONT

FOR OUTER SHIRTS.
Claims use since Jan. 15, 1940.

386,606. (CLASS 39. CLOTHING.) GLASS & COMPANY, DRESS CORP., New York, N. Y. Filed Mar. 16, 1940. Serial No. 429,652.

Summerset

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, WAISTS, AND BLOUSES.
Claims use since January, 1939.

386,607. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CROWN PRODUCTS CORPORATION, Los Angeles and San Francisco, Calif. Filed Mar. 18, 1940. Serial No. 429,685.

FRYING and MAYONNAISE

FOR SALAD OIL.
Claims use since Feb. 17, 1940.

386,608. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Mar. 18, 1940. Serial No. 429,721.

SAFE-N-LEAD

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Feb. 19, 1940.

386,609. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARTON A. STEBBINS, Los Angeles, Calif. Filed Mar. 29, 1940. Act of Mar. 19, 1920, as amended June 10, 1938. Serial No. 430,153.

ROMAN MAID BREAD — *Sweet Bread of the Stars*

FOR BAKERY PRODUCTS—NAMELY, BREAD.
Claims use since Jan. 18, 1940.

386,610. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARTON A. STEBBINS, Los Angeles, Calif. Filed Mar. 29, 1940. Act of Mar. 19, 1920, as amended June 10, 1938. Serial No. 430,154.

For a better figure TOMORROW — MAID OF HONOR BREAD — *Most Famous Name Brand Today*

FOR BAKERY PRODUCTS—NAMELY, BREAD.
Claims use since Jan. 18, 1940.

386,611. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WIECHERT LABORATORIES, INC., New York, N. Y. Filed May 2, 1940. Serial No. 431,507.

KUTTING KUSPS
STREAMLINED CUSPS

FOR ARTIFICAL TEETH AND DENTURES.
Claims use since Mar. 1, 1940.

386,612. (CLASS 39. CLOTHING.) DAVID M. GOODSTEIN, INC., New York, N. Y. Filed Apr. 29, 1940. Serial No. 431,353.

SLEEVEASE

FOR WOMEN'S AND MISSES' DRESSES, BLOUSES, AND COATS.
Claims use since Mar. 4, 1940.

386,613. (CLASS 39. CLOTHING.) THE J. L. HUDSON COMPANY, Detroit, Mich. Filed May 15, 1940. Serial No. 431,956.

Barclay fashions

FOR WOMEN'S AND MISSES' DRESSES, SUITS, AND COATS.
Claims use since Mar. 1, 1940.

386,614. (CLASS 5. ADHESIVES.) VAN CLEEF BROS., Chicago, Ill. Filed May 20, 1940. Serial No. 432,167.

Rub'R-Shim

FOR STRIPPING ADAPTED FOR CUSHIONING OR WATER-PROOFING PURPOSES AND HAVING AN ADHESIVE COATING.
Claims use since Dec. 28, 1932.

386,615. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TITAN METAL MANUFACTURING COMPANY, Bellefonte, Pa. Filed Oct. 2, 1939. Serial No. 424,145.

DOUBLY DEOXIDIZED

FOR WELDING RODS.
Claims use since December, 1932.

386,616. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) HAMILTON ART METAL CORPORATION, New York, N. Y. Filed Nov. 22, 1939. Serial No. 425,889.

HAMILTON
"DEPENDABLE AS THE KNIGHTS OF OLD"

FOR PYROPHORIC CIGAR AND CIGARETTE LIGHTERS.
Claims use since June 8, 1939.

386,617. (CLASS 39. CLOTHING.) LOUNGE MODES, INC., New York, N. Y. Filed Jan. 15, 1940. Serial No. 427,469.

Truftex

FOR LADIES' AND MISSES' BEACH AND BATH ROBES, PAJAMAS, NEGLIGEES, HOUSE COATS, AND BEACH COATS.
Claims use since October, 1939.

386,618. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GENERAL BEVERAGE COMPANY, Detroit, Mich. Filed Feb. 5, 1940. Serial No. 428,231.

VIRGINIA-UP

FOR MALTLESS NONALCOHOLIC CARBONATED BEVERAGE.
Claims use since Jan. 22, 1940.

386,619. (CLASS 39. CLOTHING.) THE WOVENRIGHT KNITTING COMPANY, Cleveland, Ohio. Filed Feb. 10, 1940. Serial No. 428,455.

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FOR HOSIERY.
Claims use since Feb. 2, 1940.

386,620. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEST BLADES, INC., Newark, N. J. Filed Feb. 19, 1940. Serial No. 428,678.

Bluetone

FOR RAZOR BLADES.
Claims use since Jan. 15, 1940.

386,621. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERRIMACK MANUFACTURING COMPANY, Lowell, Mass. Filed Feb. 20, 1940. Serial No. 428,733.

SLEEKWALE

FOR COTTON PILE FABRICS.
Claims use since Jan. 25, 1940.

386,622. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Feb. 21, 1940. Serial No. 428,744.

Tudor

FOR BLANKETS MADE OF COTTON OR COTTON AND WOOL.
Claims use since Jan 1, 1940.

386,623. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Mar. 7, 1940. Serial No. 429,290.

Kimberly

FOR BLANKETS MADE WHOLLY OR IN PART OF COTTON, RAYON, AND WOOL.
Claims use since Feb. 1, 1940.

386,624. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Feb. 21, 1940. Serial No. 429,291.

Gorham

FOR BLANKETS MADE WHOLLY OR IN PART OF COTTON, RAYON, AND WOOL.
Claims use since Feb. 1, 1940.

386,625. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN H. BERRY, doing business as Chektest Laboratories, Los Angeles, Calif. Filed June 5, 1940. Serial No. 432,675.

CHEKTEST

FOR DAIRY PRODUCTS—NAMELY, MILK, BUTTERMILK, BUTTER, CREAM, SOUR CREAM, CHOCOLATE MILK, CHEESE, ICE CREAM, ICES AND SHERBETS, AND EGGS.
Claims use since Aug. 1, 1939.

386,626. (CLASS 39. CLOTHING.) PENN GARMENT MFG. CO. INC., Philadelphia, Pa., and New York, N. Y. Filed June 17, 1940. Serial No. 433,108.

LUCERNE FROCKS
Designed by Carol Luce

FOR LADIES' AND MISSES' DRESSES.
Claims use since October, 1939.

386,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUGH D. EDWARDS, doing business as Edwards Fruit Company, Highgrove, Calif. Filed July 1, 1940. Serial No. 433,559.

PERFECTION BRAND
EDWARDS FRUIT CO. HIGHGROVE, CALIFORNIA

FOR FRESH CITRUS FRUIT.
Claims use since Dec. 4, 1912.

386,628 (CLASS 31. FILTERS AND REFRIGERATORS.) HOWARD A. MIDDLETON, doing business as H. A. Middleton Mfg. Co., Kansas City, Mo. Filed July 1, 1940. Serial No. 433,576.

CHIL-BREW

FOR BEVERAGE COOLING APPARATUS AND PARTS THEREOF.
Claims use since January, 1940.

386,629. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) OUT-ER-ARCH, New York, N. Y. Filed July 15, 1940. Serial No. 433,984.

OUT-ER-ARCH

FOR RUBBER ARCH SUPPORTS.
Claims use since Feb. 28, 1940.

386,630. (CLASS 39. CLOTHING.) WHITLEY TAILLEURS, INC., New York, N. Y. Filed Oct. 3, 1940. Serial No. 436,639.

Tu-Season COAT

FOR WOMEN'S AND GIRLS' OVERCOATS.
Claims use since Feb. 1, 1940.

386,631. (CLASS 39. CLOTHING). COATCRAFT INC., Philadelphia, Pa. Filed Nov. 6, 1940. Serial No. 437,615.

LLAMOHAIR
warm in a storm
dry in a drizzle
WRINKLE PROOF

FOR CHILDREN'S OUTER GARMENTS—NAMELY, COATS, LEGGINGS, AND SNOW SUITS MADE FROM CLOTH SPECIALLY PREPARED AND COMPOSED OF A MIXTURE OF MOHAIR, ALPACA, CAMEL HAIR, AND WOOL.
Claims use since July 1, 1938.

386,632. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLACE C. BOHANNON, doing business as Bohannon Canning Company and J. M. Bohannon Canning Co., McAllen, Tex. Filed Dec. 23, 1940. Serial No. 439,092.

BOHANNON

FOR CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES, CANNED GRAPEFRUIT AND CANNED VEGETABLES—NAMELY, TOMATOES, MUSTARD GREENS, SPINACH, HOMINY, GREEN BEANS, WAX BEANS, PORK AND BEANS, SAUERKRAUT, AND TURNIP GREENS.
Claims use since Aug. 10, 1935.

386,633. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILSON COMPANY, Santa Ana, Calif. Filed Jan. 2, 1941. Serial No. 439,378.

CANDLETTES

FOR INCENSE.
Claims use since Aug. 30, 1939.

386,634. (CLASS 39. CLOTHING.) THE ENRO SHIRT COMPANY, INC., Louisville, Ky. Filed Jan. 14, 1941. Serial No. 439,650.

Pango-Pango

FOR OUTER SHIRTS, SPORT SHIRTS, SLACK SUITS, AND PAJAMAS FOR MEN AND BOYS.
Claims use since Nov. 1, 1939.

386,635. (CLASS 48. MALT BEVERAGES AND LIQUORS.) THE BARTELS BREWING COMPANY, Kingston, Pa. Filed Jan. 14, 1941. Serial No. 439,685.

Bartels
WITH REPUTATION OLD

FOR KEG AND BOTTLE BEER, ALE, AND PORTER.
Claims use since Mar. 1, 1934.

TRADE-MARK REGISTRATIONS RENEWED

18,321. **REPRESENTATION OF A CROWN.** NEEDLES. Registered August 19, 1890. STEPHAN BEISSEL SEL. WWE. & SOHN, Aachen, Germany, a firm. Re-renewed August 19, 1940.

18,574. **PRIZE MEDAL.** SEWING NEEDLES. Registered November 4, 1890. STEPHAN BEISSEL SEL. WWE. & SOHN, Aachen, Germany, a firm. Re-renewed November 4, 1940.

19,178. **SECURITY.** SAFETY MATCHES. Registered March 17, 1891. BRYANT & MAY, LIMITED, London, England. Re-renewed March 17, 1941, to Bryant & May, Limited, London, and Liverpool, England, a corporation of the United Kingdom of Great Britain and Northern Ireland.

19,558. **REVERE.** HOSE, BELTING, AND PACKING FOR MACHINERY. Registered May 19, 1891. REVERE RUBBER COMPANY, Boston, Mass. Re-renewed May 19, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

19,752. **LITTLE GIANT.** MECHANICAL RUBBER GOODS. Registered June 23, 1891. REVERE RUBBER COMPANY, Boston, Mass. Re-renewed June 23, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

132,796. **ADORATION.** CANDLES. Registered June 29, 1920. SAFETY NIGHT LIGHT COMPANY, Brooklyn, N. Y. Renewed June 29, 1940, to Will & Baumer Candle Co., Inc., Syracuse, N. Y., a corporation of New York, assignee.

139,217. **SUPERFLAKE.** FLAKE GRAPHITE. Registered January 25, 1921. SUPERIOR FLAKE GRAPHITE COMPANY. Renewed January 25, 1941, to Superior Flake Graphite Company, Chicago, Ill., a corporation of Illinois, successor.

139,967. **SOLESSENCE.** LIQUID FLOWER-OILS SUITABLE FOR THE PRODUCTION OF PERFUMES. Registered March 1, 1921. EDWARD T. BEISER CO., New York, N. Y. Renewed March 1, 1941, to Edward T. Beiser Co., doing business as Chauret Fils, Stamford, Conn., a corporation of New York.

139,968. **SAVOMODOR.** LIQUID ESSENTIAL OILS AND AROMATIC COMPOUNDS SUITABLE FOR THE PRODUCTION OF PERFUMES. Registered March 1, 1921. EDWARD T. BEISER CO., New York, N. Y. Renewed March 1, 1941, to Edward T. Beiser Co., Stamford, Conn., a corporation of New York.

140,078. **FIXAROME.** FLUID RESINS SUITABLE FOR THE PRODUCTION OF PERFUMES. Registered March 8, 1921. EDWARD T. BEISER CO., New York, N. Y. Renewed March 8, 1941, to Edward T. Beiser Co., doing business as Chauret Fils, Stamford, Conn., a corporation of New York.

140,112. **PONTOKLENE.** POLISHES ACTING AS GREASE-REMOVERS AND CLEANING MATERIALS. Registered March 8, 1921. E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del. Renewed March 8, 1941, to Samuel E. Tinkler Jr., Norristown, Pa., assignee by mesne assignments.

140,242. **NATAVAP.** A LIQUID PREPARATION FOR CERTAIN NAMED MEDICINAL USES. Registered March 8, 1921. JAMES H. WATIER, Dayton, Ohio. Renewed March 8, 1941.

140,373. **THE SUPREME.** VACUUM-CLEANERS. Registered March 15, 1921. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio, a corporation of New York. Renewed March 15, 1941.

140,842. **I. C. H.** HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. Registered March 29, 1921. INTERNATIONAL CLEARING HOUSE OF NEW YORK, INC., New York, N. Y., a corporation of New York. Renewed March 29, 1941.

140,854. **KEISON.** A MEDICINE FOR USE AS A BLOOD AND BODY BUILDER. Registered March 29, 1921. J. W. KEISTER & SON. Renewed March 29, 1941, to Mary Keister Farley, Pulaski, Va., assignee by mesne assignments.

140,911. **GOPHERCIDE.** POISON FOR GOPHERS, RATS, FOXES, WOLVES, COYOTES, AND THE LIKE. Registered March 29, 1921. NATIONAL DRUG AND CHEMICAL CO. OF CANADA, LIMITED, Montreal, Quebec, Canada, a corporation of Canada. Renewed March 29, 1941.

140,912. **DOMINION C. B. Q.** LAXATIVE CASCARA-BROMID-QUININ TABLETS. Registered March 29, 1921. NATIONAL DRUG AND CHEMICAL CO. OF CANADA, LIMITED, Montreal, Quebec, Canada, a corporation of Canada. Renewed March 29, 1941.

141,102. **ORANGE.** OLEOMARGARIN AND LARD. Registered April 12, 1921. CORKRAN, HILL AND COMPANY, INC. Renewed April 12, 1941, to Corkran Hill & Company, Incorporated, Baltimore, Md., a corporation of Maryland, assignee.

141,249. **REPRESENTATION OF A SPRING IN A HAND.** CERTAIN SPRINGS AND TOOLS AND FLEXIBLE SHAFTING, PAWLS AND OILETS FOR MECHANISM. Registered April 12, 1921. HERBERT TERRY & SONS, LTD., Redditch, England, an organized company of Great Britain. Renewed April 12, 1941.

141,278. **PEP.** GRINDING COMPOUND. Registered April 12, 1921. WORCESTER ABRASIVE COMPANY, Worcester, Mass. Renewed April 12, 1941, to Pep Manufacturing Co. Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

141,349. **ECLIPSE-BENDIX.** DRIVES OR TRANSMISSION MECHANISM FOR STARTERS FOR INTERNAL-COMBUSTION ENGINES. Registered April 19, 1921. ECLIPSE MACHINE COMPANY, Elmira Heights, N. Y. Renewed April 19, 1941, to Bendix Aviation Corp., South Bend, Ind., a corporation of Delaware, assignee.

141,371. **CRAFTSMAN.** DRESS, NEGLIGÉE, AND WORK SHIRTS AND COLLARS. Registered April 19, 1921. HALL, HARTWELL & Co., Troy, N. Y. Renewed April 19, 1941, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

141,714. **WAYAGAMACK.** CERTAIN NAMED PAPER. Registered April 26, 1921. WAYAGAMACK PULP & PAPER CO., LIMITED, Three Rivers, Quebec, Canada. Renewed April 26, 1941, to Consolidated Paper Corporation Limited, Monteal, Quebec, Canada, a corporation of Canada, assignee.

141,848. **ARMSTRONG'S LIBERTY LOAF.** A MEAT FOOD PRODUCT COMPOSED OF BEEF, PORK, AND CEREAL. Registered May 3, 1921. ARMSTRONG PACKING COMPANY. Renewed May 3, 1941, to Armstrong Packing Company, Dallas, Tex., a corporation of Texas, assignee.

142,275. **RELIANCE B.** BABBITT METAL. Registered May 10, 1921. HOYT METAL COMPANY, St. Louis, Mo. Renewed May 10, 1941, to National Lead Company, New York, N. Y., a corporation of New Jersey, assignee.

142,276. **C. B.** BABBITT METAL. Registered May 10, 1921. HOYT METAL COMPANY, St. Louis, Mo. Renewed May 10, 1941, to National Lead Company, New York, N. Y., a corporation of New Jersey, assignee.

142,316. **85 PERCENTER.** MEN'S LEATHER SHOES. Registered May 10, 1921. ROGERS FEET COMPANY, New York, N. Y., a corporation of New York. Renewed May 10, 1941.

142,342. **4810.** HOSE MADE OF RUBBER AND FABRIC. Registered May 10, 1921. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed May 10, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

142,473. **WEST TENNESSEE.** SMOKING AND CHEWING TOBACCO. Registered May 17, 1921. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed May 17, 1941.

142,499. **D.** DENTAL SPECIALTIES. Registered May 17, 1921. DE LONG & PREVOST. Renewed May 17, 1941, to De Long & Prevost, Inc., Worcester, Mass., a corporation of Massachusetts, assignee.

142,727. **TEECONE.** FLAT LEATHER BELTING. Registered May 17, 1921. J. E. RHOADS & SONS, Philadelphia, Pa., and Wilmington, Del. Renewed May 17, 1941, to J. E. Rhoads & Sons, Philadelphia, Pa., a firm.

142,808. **TRAVEL TEX.** TRAVELING-BAGS AND PORTFOLIO-LIKE ENVELOPS MADE OF IMITATION LEATHER COMPOSED OF RUBBER AND FABRIC. Registered May 17, 1921. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed May 17, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

143,349. **GEMSCO.** EMBROIDERIES FOR BOTH MILITARY AND CIVILIAN PURPOSES. Registered May 31, 1921. GENERAL EMBROIDERY MILITARY SUPPLY CO. INC., New York and Brooklyn, N. Y. Renewed May 31, 1941, to Gemsco, Inc., New York, N. Y., a corporation of New York, assignee.

143,890. **AGRICULTURAL ENGINEERING.** A MONTHLY PUBLICATION. Registered June 21, 1921. AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS, Ames, Iowa. Renewed June 21, 1941, to American Society of Agricultural Engineers, St. Joseph, Mich., a corporation of Michigan, successor.

143,896. **CADET.** STOVES OTHER THAN ELECTRIC. Registered June 21, 1921. ATLANTA STOVE WORKS. Renewed June 21, 1941, to The Atlanta Stove Works, Inc., Atlanta, Ga., a corporation of Georgia, assignee by mesne assignments.

144,651. **WILCO.** CERTAIN NAMED ELECTRICAL APPLIANCES. Registered July 12, 1921. THE H. A. WILSON COMPANY, Newark, N. J., a corporation of New Jersey. Renewed July 12, 1941.

144,690. **FIRST NATIONAL PICTURES.** MOTION-PICTURE FILMS. Registered July 19, 1921. ASSOCIATED FIRST NATIONAL PICTURES INC. Renewed July 19, 1941, to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

144,788. **MISSY.** CERTAIN ARTICLES OF CLOTHING FOR LADIES AND MISSES AND JUNIORS. Registered July 19, 1921. I. GROSSMAN & SON, New York, N. Y., a firm. Renewed July 19, 1941.

144,980. **MELIPHONE.** MOUTHPIECES AND REEDS FOR CLARINETS AND SAXOPHONES. Registered July 19, 1921. THE WOODWIND COMPANY. Renewed July 19, 1941, to The Woodwind Company, New York, N. Y., a corporation of Delaware, successor.

145,140. **AFGAR.** SILK PIECE GOODS. Registered July 26, 1921. H. R. MALLINSON & Co., INC. Renewed July 26, 1941, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

145,141. **DOVE-KOO.** SILK PIECE GOODS. Registered July 26, 1921. H. R. MALLINSON & Co., INC. Renewed July 26, 1941, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

145,144. **MELODEE.** SILK PIECE GOODS. Registered July 26, 1921. H. R. MALLINSON & Co., INC. Renewed July 26, 1941, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

145,384. **SPLIT SILK.** WHEAT-FLOUR. Registered August 2, 1921. THE ISMERT-HINCKE MILLING COMPANY, Kansas City, Kans., and Kansas City, Mo. Renewed August 2, 1941, to The Ismert-Hincke Milling Company, Kansas City, Mo., a corporation of Kansas.

145,388. **ISMERTA.** WHEAT-FLOUR. Registered August 2, 1921. THE ISMERT-HINCKE MILLING COMPANY, Kansas City, Kans., and Kansas City, Mo. Renewed August 2, 1941, to The Ismert-Hincke Milling Company, Kansas City, Mo., a corporation of Kansas.

145,487. **IMPERIAL.** DRESSING TO BE USED ON LEATHER AND ARTICLES MADE THEREFROM. Registered August 2, 1921. WHITTEMORE BROS. CORP., Cambridge, Mass., a corporation of Massachusetts. Renewed August 2, 1941.

145,742. **SALVARSAN SODIUM.** A REMEDY AGAINST SYPHILIS, SLEEPING-SICKNESS, TRYPANOSOMIASIS, AND OTHER TROPICAL INFECTIOUS DISEASES. Registered August 16, 1921. H. A. METZ LABORATORIES, INC. Renewed August 16, 1941, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by consolidation.

145,865. **LIGHTNING.** DYE TO BE USED ON LEATHER AND ARTICLES MADE THEREFROM. Registered August 16, 1921. WHITTEMORE BROS. CORP., Cambridge, Mass., a corporation of Massachusetts. Renewed August 16, 1941.

145,873. **LOSOPHAN.** AN ANTISEPTIC MEDICAL SUBSTANCE IN POWDERED FORM. Registered August 16, 1921. WINTHROP CHEMICAL COMPANY, INC. Renewed August 16, 1941, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by consolidation.

145,874. **SULFONAL.** A SOPORIFIC DRUG PREPARATION CONTAINING CARBON HYDROGEN, AND OXYGEN. Registered August 16, 1921. WINTHROP CHEMICAL COMPANY, INC. Renewed August 16, 1941, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by consolidation.

145,969. **SURPRISE.** WHEAT-FLOUR. Registered August 23, 1921. EAGLE ROLLER MILL CO., New Ulm, Minn., a corporation of Minnesota. Renewed August 23, 1941.

146,020. **EMEDENT.** A PREPARATION FOR USE IN THE TREATMENT OF PYORRHEA. Registered August 23, 1921. C. S. WILLIAMS, Ellisville, Miss. Renewed August 23, 1941.

146,022. **TANNIGEN.** ANTIGONORRHEIC AND ASTRINGENT MEDICAL SUBSTANCES. Registered August 23, 1921. WINTHROP CHEMICAL COMPANY, INC. Renewed August 23, 1941, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by consolidation.

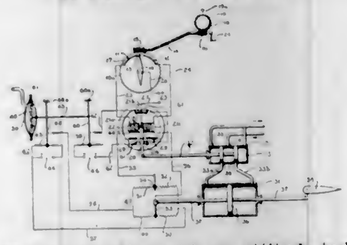
21,770

CONTROL APPARATUS FOR VEHICLES

Eduard Fischel, Freilassing, Oberbayern, and Johannes Thiry, Berlin-Charlottenburg, Germany, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Original No. 2,188,834, dated January 30, 1940, Serial No. 209,344, May 21, 1938. Application for reissue December 10, 1940, Serial No. 369,460. In Germany April 29, 1937

23 Claims. (Cl. 244—76)



1. The combination with an attitude indicator for a vehicle, of a servo-motor, a control valve therefor, a control surface operatively connected to said servo-motor, means for governing said control valve in response to deviations from a predetermined indication of said attitude indicator, means acting in opposition to the first-named means in response to the vehicle speed, and means for controlling the velocity of said servo-motor in response to said vehicle speed.

21,771

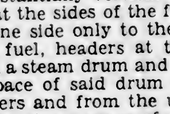
BUILDING BLOCK AND FACING TILE

Rudolph Kalkusch, Chicago, Ill., assignor, by direct and mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Original No. 2,058,235, dated October 20, 1936, Serial No. 68,659, March 13, 1936. Application for reissue October 19, 1938, Serial No. 235,870

12 Claims. (Cl. 72—35)

12. A building block comprising a load bearing body member formed from a cementitious material, a non-load bearing face member associated with one surface of said body member, and metallic members carried by and embedded in the body member and having flanges engaging the edges of said face plate, said metallic members also having portions projecting beyond the edges of said face plate and also beyond the corresponding flanges upon the load supporting sides of the block to such an extent that when the blocks are placed one upon another, with said projecting portions of said metallic members in engagement with one another, the face plates and corresponding metal flanges of vertically adjacent blocks will be spaced from one another so that said face plates will not support any load.



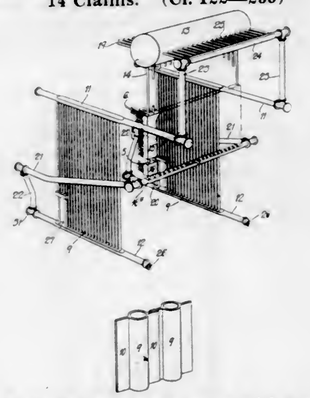
21,772

BOILER AND THE LIKE

Thomas E. Murray, deceased, late of Brooklyn, N. Y., by Joseph B. Murray and Thomas E. Murray, Jr., executors, Brooklyn, N. Y., and John H. Lawrence, Bronxville, N. Y., assignors to Metropolitan Engineering Company, a corporation of New York

Original No. 1,993,071, dated March 5, 1935, Serial No. 719,696, June 13, 1924. Application for reissue March 4, 1937, Serial No. 128,972

14 Claims. (Cl. 122—235)

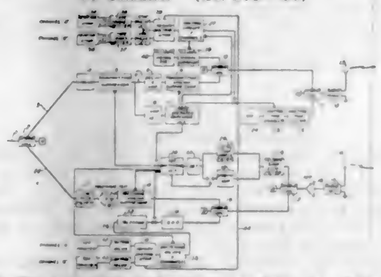


12. A boiler having a furnace with a wall composed of substantially vertical water tubes, said tubes being at the sides of the furnace and being exposed at one side only to the radiant heat of the burning fuel, headers at the opposite ends of said tubes, a steam drum and connections from the water space of said drum to the lower one of said headers and from the upper one of said headers to the steam space of said drum.

PATENTS

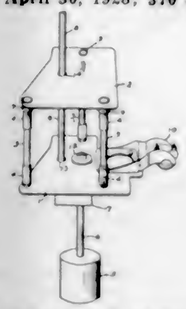
GRANTED APRIL 15, 1941

2,238,028
TELEGRAD
Harold L. Barney and Uriah S. Berger, New York, and Alfred E. Melhose, St. Albans, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1939, Serial No. 283,368
19 Claims. (Cl. 178—66)



1. In a communication system, a telegrad comprising a variable gain device having a gain increase disabler, an amplifier-detector for operating a signal circuit and means in said signal circuit for operating the gain increase disabler of said variable gain device.

2,238,029
INSTRUMENT FLYING DEVICE
Norman Lee Barr, United States Navy
Application August 28, 1940, Serial No. 354,567
5 Claims. (Cl. 74—469)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the class described, comprising a first plate, means to secure said plate to a fixed part of the structure of an aircraft and to maintain it in fixed relation thereto, a second plate located above said first plate, means linking said second plate to said first plate, in such a manner that every point of said second plate may describe an arcuate path about a corresponding point in said first plate at a constant distance therefrom, while said plates remain parallel to each other, a pendulum suspended from said first plate, and an extension rigidly secured to the rod of said pendulum and extending upwardly through holes formed in said plates, said holes being slightly larger than said extension, whereby angular movement of said pendulum in any direction about said pivot point will cause an equal and opposite angular movement of said extension about said pivot point.

2,238,030
CO-POLYMERS OF CONVERTIBLE ESTERS
Theodore F. Bradley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 1, 1937, Serial No. 134,387
3 Claims. (Cl. 260—78)

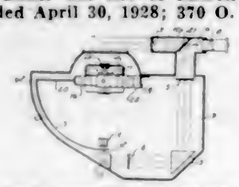
3. A composition comprising an insoluble and infusible solid substantially identical with the product obtained by heating a mixture of diallyl fumarate with vinyl acetate for about 2 hours at a temperature of about 100° C. until the polymerization is substantially complete.

2,238,031
CONDENSER AND METHOD OF MAKING SAME
Joseph B. Brennan, Euclid, Ohio
Application June 10, 1938, Serial No. 213,038
2 Claims. (Cl. 175—41)



1. A condenser comprising a plurality of plates embedded in and separated by vitreous dielectric material adhering thereto, said plates having integral corner portions projecting beyond said vitreous material for connection to an external circuit, the corner of each plate adjacent such a projecting corner of another plate being cut away.

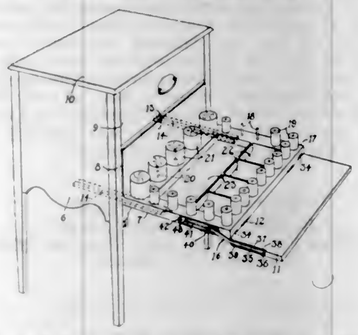
2,238,032
DIRECT READING SEXTANT
Samuel M. Burka, Dayton, Ohio, and Carl J. Crane, Montgomery, Ala.
Application April 5, 1939, Serial No. 266,092
4 Claims. (Cl. 88—2.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A sextant comprising a casing; a telescope mounted on said casing for directly observing an object, the altitude of which it is desired to measure; a gyroscopically stabilized arcuate scale mounted in said casing to tilt about a transverse horizontal axis; and lens means for transmitting an image of said scale into the line of sight of said telescope; said lens means having an equivalent focal length equal to the tilting radius of said scale, said image when transmitted

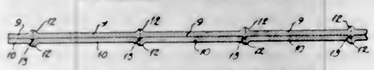
having the same orientation as the observed object, whereby said image and scale maintain their relative position in the field.

2,238,033
SEWING CABINET
Axel R. Carlson, Rockford, Ill.
Application January 27, 1939, Serial No. 253,104
11 Claims. (Cl. 312—186)



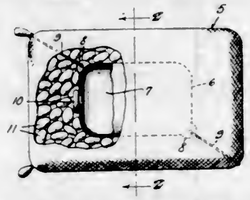
1. A fall support comprising in combination with a bottom member and a hinged fall member, an elongated plate attached to the edge of each of said members, one of said plates having a longitudinally extending slot provided therein with an offset portion at one end, the other of said plates having a longitudinally extending flange provided thereon, an arm pivotally connected at one end to the flanged plate adjacent the end remote from the hinge axis and having a stud slidably and pivotally received in the slot of the slotted plate, said arm being arranged to support the fall in extended relation to the bottom by engagement with the aforesaid longitudinal flange, and spring means for urging said arm in one direction transversely relative to the slot so as to cause the stud to engage in the offset end of the slot when the fall and bottom members are in planes substantially perpendicular to one another.

2,238,034
METHOD OF MANUFACTURING COMPOSITE THERMOSTATIC METAL
Paul G. Chace, Attleboro Falls, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application August 27, 1938, Serial No. 227,184
6 Claims. (Cl. 29—189)



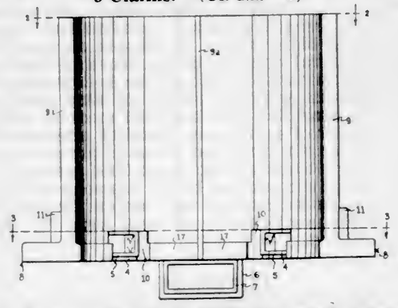
1. The method of manufacturing composite thermostatic metal, which comprises preparing a plurality of ingot blocks each of a composite character, aligning two of said blocks in end-to-end relationship with the blocks barely touching each other, passing an intense electric current through said aligned blocks, permitting the current to flow long enough to melt and burn off at least some metal from each end, and then forcibly bringing the two blocks together in end-to-end, firm, contact, with the metals of one ingot fusing into the metals of the other ingot to obtain a clean, strong welded joint, and thereafter removing the protrusions in the regions of the welds, and finally reducing the thickness of the multiple ingot and annealing it in alternating steps until it has the thickness of the desired composite thermostatic metal.

2,238,035
SOUND PRODUCING DEVICE
Yew Char, Honolulu, Territory of Hawaii
Application July 17, 1939, Serial No. 284,975
3 Claims. (Cl. 46—175)



1. A sound producing bean bag, comprising a flexible outer casing, a normally outwardly expanded flexible body within said casing and spaced from the walls thereof, said body provided with an air chamber, an air operated sound producing unit in one wall of the body and operated by the passage of air therethrough into the body, and movable globular elements filling the space between the outer casing and the flexible body.

2,238,036
WATER COOLED CUPOLA
Joshua K. Clutts, Detroit, Mich.
Application July 3, 1939, Serial No. 282,639
5 Claims. (Cl. 122—6)

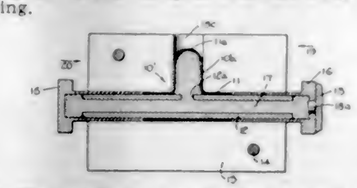


1. In a cupola, the combination with a tuyère installed in the cupola wall and delivering air to the cupola, of a tuyère cooler formed with a passage for a coolant fluid and arched to form an opening receiving said tuyère, and a pair of tuyères installed in said wall at a lower level than the first mentioned tuyère and jointly providing a seat for the tuyère cooler.

2,238,037
METHOD AND MEANS OF PRODUCING WHOLLY INTEGRAL COLD WROUGHT T'S AND LIKE FITTINGS
Edward S. Cornell, Jr., Larchmont, N. Y.
Application February 14, 1936, Serial No. 63,853
8 Claims. (Cl. 113—44)

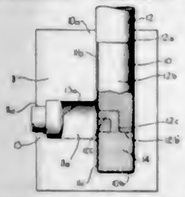
1. The combination of female die means provided with a longitudinal cavity and with a lateral defining cavity, hollow mandrel means provided with a lateral determinative orifice located in correspondence to said lateral defining cavity, said hollow mandrel means and the longitudinal

cavity of said female die means being arranged relative to one another to fluid-sealingly receive therebetween a length of tubular mass, and mutually spaced hollow means fluid-sealingly correlated to said hollow mandrel means and the walls of the longitudinal cavity of said female die means, and fluid means within the interior of said hollow mandrel means, whereby upon application of force through said mutually spaced hollow means pressure endwise in opposing direction is exerted upon said tubular mass effecting the flow of the material of said length of tubular mass toward said lateral defining cavity of the female die means, whereby a lateral is formed and defined in wall contour by said lateral defining die cavity integral with the body of the fitting.



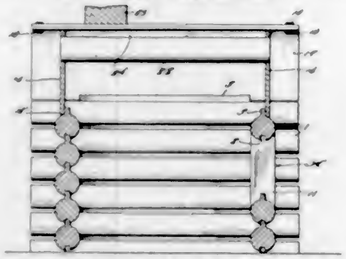
3. The method of producing a cold worked wholly integral lateral-provided fitting of material of the nature of copper, which comprises providing a length of tubular blank of such material, providing a hollow mandrel having a lateral determinative orifice, and otherwise imperforate from end to end, and having a substantially uniform periphery, and a length at least the length of said tubular blank, and an external diameter substantially the same as the internal diameter of the blank, assembling said hollow mandrel within said length of tubular blank, positioning the thus assembled hollow mandrel and length of tubular blank within a suitable die provided with a lateral defining cavity, locating said lateral determinative orifice of the hollow mandrel in alignment with the lateral defining cavity of the die, providing suitable fluid medium within the interior of said hollow mandrel, and subjecting said length of tubular blank to pressure endwise of the blank and conjoint fluid pressure internally of the tubular blank, whereby a lateral is formed and defined in wall contour by said lateral defining die cavity integral with the body of the fitting.

2,238,038
PROCESS OF PRODUCING LATERAL-PROVIDED FITTINGS
Edward S. Cornell, Jr., Larchmont, N. Y.
Application January 24, 1939, Serial No. 252,516
3 Claims. (Cl. 113—44)



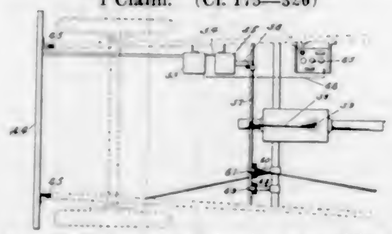
1. The method of producing a T or like lateral branch fitting from a closed-ended shell, which includes placing the shell in suitable die means having interconnecting branch apertures contoured to impart the desired configuration to the fitting, said shell being positioned within the run-forming apertures of the die and traversing the die aperture forming a lateral branch of said fitting, placing a flowable material within said shell, interiorly supporting said shell by means including an apertured rigid element disposed in slidable engagement with the interior wall of said shell over the full circumference thereof and up to and including a substantial area of intersection of said lateral branches of said die, engaging the peripheral wall of said shell by plunger means in operative association with said rigid supporting element, moving said plunger means and said rigid supporting element axially of said shell to exert endwise mechanical pressure on the wall thereof thereby to effect supported flow of the material of said shell toward and into said lateral branch die aperture while concomitantly causing flow of said flowable material under pressure through said apertured supporting element to bear against said shell in the area of said lateral branch.

2,238,039
TOY LOG STRUCTURE
Roy De Witt, Pontiac, Mich.
Application February 21, 1940, Serial No. 320,185
6 Claims. (Cl. 46—20)



1. A toy device comprising a plurality of members, each member being of circular shape in cross section and having a longitudinally extending groove therein and a rib arranged opposite the groove for fitting in a groove of another member, said rib terminating short of the ends of the member and said members having substantially semi-circular transversely arranged recesses in their grooved sides arranged adjacent the ends of the ribs, said recesses receiving other members which extend at right angles, said recesses being of a depth to slightly space the latter members apart and the ribs being of a width greater than the depths of the grooves to cover the spaces between the members.

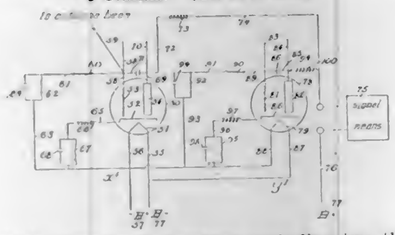
2,238,040
POWER CONTROL SYSTEM
Harry Dickens, Jersey City, N. J., assignor to Sensytrol Corporation, Washington, D. C., a corporation of Nevada
Application February 25, 1936, Serial No. 65,737
Renewed September 14, 1939
1 Claim. (Cl. 175—320)



A control for power circuits, comprising two

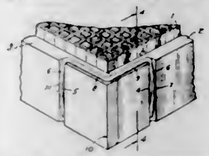
substantially identical thermionic oscillators connected in parallel to each other, each oscillator including a grid circuit having a coil and a tuning condenser and a plate circuit connected through a coil and a tuning condenser to a source of plate current supply, a relay interposed in the plate circuit between said source of supply and said oscillators, the grid circuit of one of said oscillators directing its radiant energy in a beam, said oscillators normally maintaining said relay in one position during unobstructed flow of radiant energy from the grid circuit, obstruction of said radiant energy flow reacting on the system to shift the energy distribution between the two oscillators and thereby cause a plate current change in each oscillator, whereby the change in plate current to the two oscillators causes operation of the relay to a different position.

2,238,041
POWER CONTROL SYSTEM
Harry Dickens, Jersey City, N. J.
Application March 3, 1939, Serial No. 259,676
6 Claims. (Cl. 177—352)



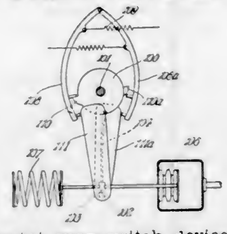
1. A power control system including two thermionic oscillators connected in parallel to the source of energy, with the connection including a fixed resistance and a fixed condenser, the plates of the respective tubes being directly coupled, a signalling means in circuit with the plate of both of the tubes, and an antenna leading from the grid of a single one of said tubes, the flow of energy through the antenna initially reducing the plate current of that tube to cause the tubes to beat against each other out of phase, the plate currents of the respective tubes incident to their direct coupling establishing a current balance to maintain a constant similar oscillation of the tubes while the energy is flowing from the antenna, interruption in the flow of the antenna oscillation increasing the current of the plate from the tube to which the antenna leads, and causing an unbalanced oscillation of the tubes and thereby increasing the plate current of the other tube, with the excess current directed through the connection to the signal for energizing the same.

2,238,042
PRINTER'S SET-UP CLIP
Theodore C. Edson, Orinda, Calif.
Application April 23, 1940, Serial No. 331,133
7 Claims. (Cl. 101—404)



1. A device for holding the vertically outward-ly grooved corners of printer's type set-ups together preparatory to locking in a chase, comprising a spring wire clip having a pair of bights extending at less than a right angle from one another, and a leg at the end of each bight extending substantially at right angles to the plane of said bights, and each leg formed with a bend to cause a portion of the legs to project outward from the type form when in place in said grooved corners before locking up in a chase, whereby it will be compressed into the grooves in locking up.

2,238,043
THERMOSTATIC CONTROLLING DEVICE
Nils Erland af Kleen, Stockholm, Sweden
Original application January 20, 1938, Serial No. 185,978. Divided and this application October 16, 1939, Serial No. 299,774. In Great Britain January 22, 1937
1 Claim. (Cl. 74—100)

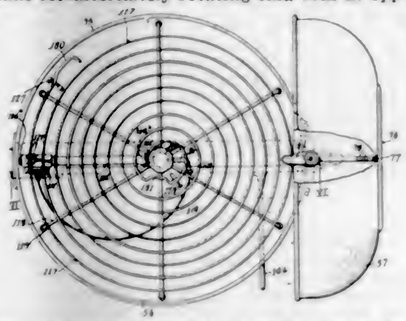


A thermostat snap-switch device of the class described, comprising a rocking member shiftable between two operating positions, movable latch means adjacent each side of said member and cooperating therewith to hold said member in each of its operating positions, rockable means, leaf spring means secured at one end to said rockable means and operatively connected at the other end to said rocking member for moving the latter alternately to its two operating positions, temperature-responsive elements movable from retracted positions to extended positions for rocking said rockable means alternately in opposite directions to correspondingly load said spring means, and separate means on said rockable means operable by said temperature-responsive elements and cooperating with said latch means to release the latter when the respective temperature-responsive element reaches its extended position, whereby said leaf spring means quickly shifts said rocking member from one operating position to the other.

2,238,044
DISHWASHER
James B. Fullerton, Los Angeles, Calif.
Application November 16, 1936, Serial No. 111,054
14 Claims. (Cl. 141—9)

5. A dishwasher comprising a receptacle, a rack in said receptacle for supporting dishes above the bottom of said receptacle, and rotary spray means in said receptacle below said rack for directing water upwardly onto dishes in said rack, said rotary spray means comprising an arm, means rotatably supporting said arm for free rotation below said rack, nozzle means slidable along said arm and conduit means for supplying water to said nozzle means, a spiral track adjacent said arm and extending continuously in a plurality of laps between end points adjacent the center of rotation of said arm and adjacent the path of rotation of the end of said arm, respectively, guide means on said nozzle

means for slidably engaging said track, and means for alternately rotating said arm in oppo-



site directions whereby said nozzle moves back and forth through a spiral path, extending from end to end of said spiral track.

2,238,045

HYDRAULIC PRESSURE TRANSMITTING FLUID

Robert R. Fulton, Pittsburgh, Pa., assignor, by mesne assignments, to Puritan Company, Inc., Rochester, N. Y., a corporation of New York

No Drawing. Application December 27, 1939, Serial No. 311,142

11 Claims. (Cl. 252—76)

1. In the manufacture of hydraulic pressure transmitting fluids and bases therefor, the process which comprises mixing a saponifiable vegetable oil with an aliphatic hydroxy liquid, selected from a group consisting of polyhydric alcohols and glycol ethers having boiling points higher than that of water, adding alkali in amount sufficient to produce a soap content, upon reaction with said vegetable oil, of at least approximately 8 per cent by weight in the final fluid, heating the resulting mixture to a temperature above 100° C., the temperature and time of heating being insufficient to cause any substantial reaction between the said hydroxy liquid and the said vegetable oil, any substantial quantity of free oil present being of the non-drying vegetable oil type.

8. A brake fluid substantially non-injurious toward rubber and capable of miscibility with other brake fluids, which comprises a non-alkaline mixture of a non-drying vegetable oil, at least one liquid from the group consisting of glycerine and monoethyl ether of diethylene glycol and more than 8% of an alkali metal soap of a vegetable oil produced by saponification with said glycerine or monoethyl ether of diethylene glycol as the saponification medium, said glycerine or monoethyl ether of diethylene glycol being present in sufficient amount to produce a fluid having a viscosity of less than 90 S. U. V., the percentage of incidental water being less than the percentage of soap present, said fluid being substantially neutral to phenolphthalein.

2,238,046

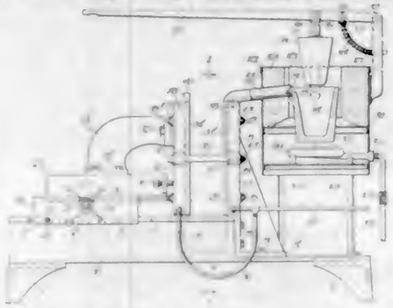
CASTING MACHINE

Donald H. Garth, Chicago, Ill.

Application August 3, 1938, Serial No. 222,737

8 Claims. (Cl. 22—57)

4. In combination, a frame, a relatively stationary master mold plate on said frame, a carriage mounted for movement on said frame toward and away from said relatively stationary mold plate, a second carriage mounted for movement on said first carriage toward and away from said relatively stationary mold plate, a relatively movable master mold mounted on said second carriage for movement to closed position relative said first mold plate and adapted to be parted therefrom, casting molds on said mold plates, heat insulating facings formed of a material of



low heat-conducting capacity mounted on said mold plates and having cooperating gate means for delivering molten metal to said molds, means for adjusting said casting molds in said plates and for securing same in adjusted position, and means for adjusting one of said mold plates to provide matching relation of said plates and the casting molds and gate means thereon.

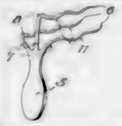
2,238,047

NECKTIE STAY

Hugo V. Geissler, San Antonio, Tex.

Application March 18, 1939, Serial No. 262,771

2 Claims. (Cl. 24—150)



1. A necktie stay comprising a relatively long sheet metal handle disposed flat in the same plane throughout, arms fixed to and extending divergently from one end of said handle in substantially the plane thereof, and pin-like pointed prongs on free ends of said arms disposed in substantially perpendicular relation to the plane of said handle, said prongs being adapted to be pushed by the handle straight from the rear into fabric plies of a necktie knot at different places to prevent the knot from slipping and said handle to lie close against the tie fabric when the prongs are pushed in.

2,238,048

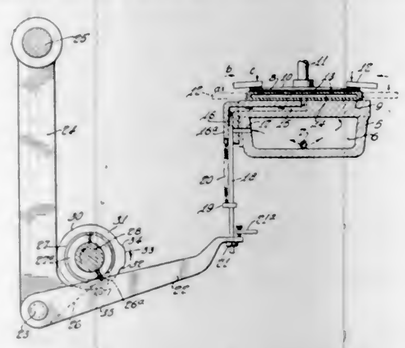
MACHINE AND METHOD FOR FOLDING AND FIXING FABRIC BLANKS

Alfred G. Gilbert, South Acton, Mass., assignor to Reece Folding Machine Company, Cambridge, Mass., a corporation of Maine

Application July 7, 1938, Serial No. 217,860

11 Claims. (Cl. 223—38)

1. The method of forming and fixing infolds on fabric blanks which comprises, after the infolding of each blank, subjecting the blank at each infold to high squeezing pressure while the blank infold is confined in intimate face contact against the blank body between pressure members maintained at high temperature, and forcing and admitting moisture or steam between the pressure members to permeate and moisten both the infold and the body where they mutually contact inwards of the boundary edge of the infolded



blank, thereby to cause fiber engagement and consequent direct adherence between the fabric infold and body over a substantial width of infold, whereby the fold is fixed without the need of applied adhesive.

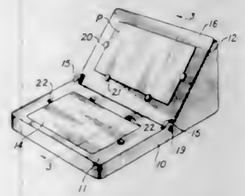
2,238,049

PAPER HOLDER FOR USE IN ENLARGING

John Warren Gillon, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 22, 1939, Serial No. 305,685

5 Claims. (Cl. 88—24)



1. A paper holder of the type described comprising a projection table onto the top of which a photographic image is adapted to be projected, a loading table connected to said projection table and having its face inclined relative to the top of said projection table, a mask member pivoted to one of said tables to swing between an operative position, wherein the under surface thereof lies flat on the top of the projection table, and a loading position, wherein the upper surface thereof lies on the face of said loading table, means on the under surface of said mask member for receiving and locating a sensitive paper in covering relation with the opening therein when the mask member is in its loading position, means on said loading table for normally forcing the paper from the under surface of said mask member when the same is in loading position to permit easy access to said paper, and said projection table provided with a recess adapted to receive said paper holding means when said mask member is pivoted to its operative position, whereby the under surface of said mask member is adapted to lie flat on the top of said table to hold said paper flat thereon.

2,238,050

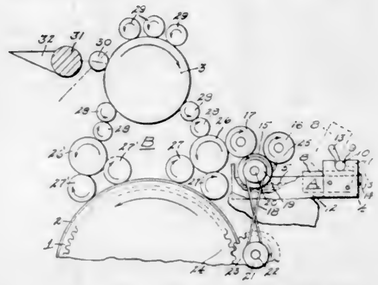
WATER FEED FOR PLANOGRAPHIC AND ANALOGOUS PRESSES

John G. Goedike, San Antonio, Tex.

Application April 12, 1940, Serial No. 329,315

6 Claims. (Cl. 101—148)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a printing press, the combination of a printing member, mechanism for applying a dampening fluid to said member, said mechanism comprising a dampening roller system, a source of dampening fluid and means including a control member adapted to be submerged into said source of dampening fluid to increase the depth of said source of dampening fluid whereby said dampening fluid at its increased depth contacts with said dampening roller system.

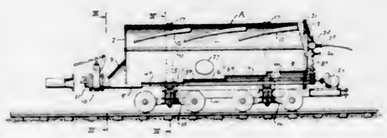
2,238,051

CONCRETE PLACER

Roy C. Hackley, Oakland, Calif.

Application October 4, 1939, Serial No. 297,836

3 Claims. (Cl. 302—53)



1. In a concrete placing apparatus of the character described an elongated horizontally disposed tank to receive concrete, a discharge pipe adjacent the bottom of the tank and at one end thereof, a plurality of steps formed in the bottom of the tank, with a riser at each step, said steps and risers forming a gradual slope from one end of the tank toward the discharge outlet, and means disposed exterior of the tank and connected with each step for introducing air under pressure to move the concrete toward and into the discharge pipe.

2,238,052

MULTIPLEX FACSIMILE SYSTEM

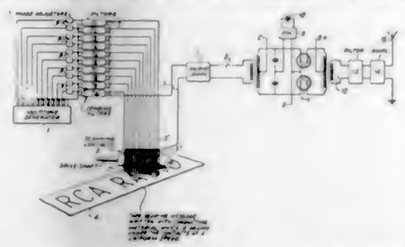
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application December 11, 1934, Serial No. 756,926. Divided and this application October 29, 1938, Serial No. 237,628

11 Claims. (Cl. 178—10)

1. A multiplex facsimile system comprising a

plurality of mechanically scanning elements contacting a moving tape having electrically conducting characters thereon, said elements being arranged substantially in a straight line at a slant with respect to the direction of travel of the tape, a plurality of sources of oscillations each having a different frequency and being in circuit with a different scanning element, means



for continually changing the degree of slant of said scanning elements, whereby secrecy of signal transmission is insured, and means controlled by the simultaneous closure of several of said scanning elements upon an electrically conducting character for transmitting a complex wave comprised of the different frequencies in circuit with said closed scanning elements.

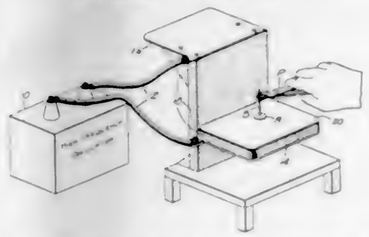
2,238,053

ART OF JOINING PARTS

George T. Hart, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application September 20, 1938, Serial No. 230,835

35 Claims. (Cl. 12—147)



1. The method of softening material which consists in heating the material by the action of an arc formed by the electric stress between the material and another surface at least one of which is within an electrostatic field.

2,238,054

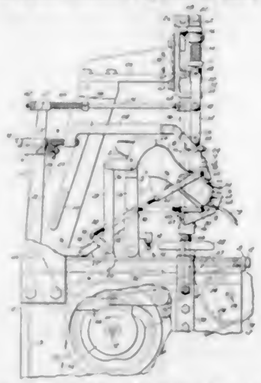
ATTACHING HEELS BY WELDING

George T. Hart, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application May 23, 1940, Serial No. 336,751

17 Claims. (Cl. 12—42)

1. A device for welding metallic articles which are substantially surrounded with a non-metallic solid medium save at the surface of contact, supporting means for said metallic members and the surrounding medium, and electrodes adapted to be associated with said parts outside the non-metallic medium and adapted to be connected to a source of high-frequency alternating current, thereby to set up an electrostatic field surrounding said metallic members, one of said supporting



means being movable, thereby to separate said metallic members and to produce an arc.

2,238,055

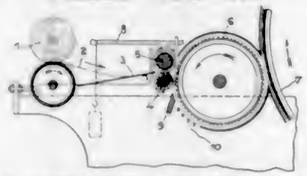
CARDING DEVICE

Wilhelm Hollerung and Fritz Hofmann, Kulmbach, Germany, assignors to Kulmbacher Spinnerei, Kulmbach, Germany

Application November 9, 1937, Serial No. 173,679

In Germany November 10, 1936

6 Claims. (Cl. 19—105)



1. In a carding device, a feeder comprising upper and lower feed rollers, the lower feed roller having saw-tooth clothing and the upper feed roller having helically disposed grooves or flutes.

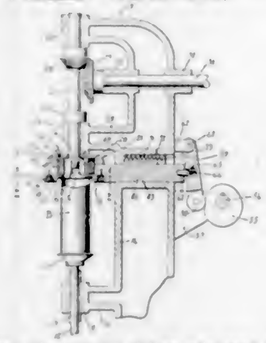
2,238,056

CAN CLOSING MACHINE

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 27, 1938, Serial No. 247,994

7 Claims. (Cl. 93—36.5)



1. In a can closing machine adapted to seal a fibre can cover onto a fibre can body by an interfolding of flanges thereof with an interposed thermoplastic adhesive, the combination of a chuck for engaging a cover to be sealed on a said body, a bodily movable seaming head, an annular seaming member carried by and rotatable relative to said seaming head and surrounding said chuck for producing a seam by interfolding of can parts held in said seaming head, means in said seaming head for heating said can parts and the adhesive therebetween, and means for bodily moving said seaming head at right angles to the axis of said can and said chuck into engagement with the heated can parts to be seamed.

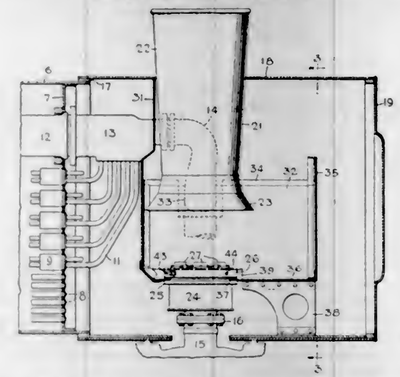
2,238,057

SMOKE BOX FOR STEAM LOCOMOTIVES

Otto Jabelmann and Leonard K. Botteron, Omaha, Nebr.

Application April 17, 1940, Serial No. 330,186

7 Claims. (Cl. 230—97)



1. The combination of a locomotive boiler having a shell with a front tube sheet; a smoke box extending forward in prolongation of the shell and closed at its forward end; a stack and lift pipe structure extending through the top of the smoke box and having an open entrance end within the same; a blast nozzle structure arranged in the bottom of the smoke box to direct exhaust blast upwardly into the entrance end of the lift pipe; and an open-top hopper-like baffle structure having upwardly and outwardly flaring side plates extending to the sides of the smoke box and a bottom connecting said side plates and through which the blast nozzle structure extends, there being a rear wall for said baffle structure comprising a diaphragm plate extending downward from the top of the smoke box forward of said tube sheet and near the rear of said lift pipe and terminating along and joined with the edges of said bottom and flaring side plates, and a front wall for said baffle structure comprising a plate spaced from the front end of said smoke box and the front of the lift pipe, its bottom and side edges connected with and terminating along the edges of said bottom and side plates, and its top edge located below the top of said smoke box to provide communication between said open-top of the baffle structure and the smoke box space forward of said front plate, said baffle structure and the associated parts coacting to provide a substantially imperforate hopper-like baffle structure the open top of which is directed toward said open entrance of the lift pipe, whereby the products of combustion, including cinders, are compelled to travel forwardly into the lower portion of said space forward of said front plate, upwardly in front of said baffle structure, downwardly into said structure, and then upwardly into the lift pipe, during which travel the cinders are subjected to disintegrating impacts against the front and top of the smoke box.

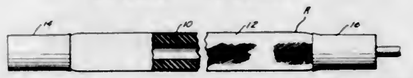
2,238,058

EXPANSIBLE COVER

Charles R. Johnson, Glenn Mills, Pa., and Robert C. Pierce, Niles, Mich., assignors of one-half to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware, and one-half to National-Standard Company, Niles, Mich., a corporation of Michigan

Application May 22, 1940, Serial No. 336,530

3 Claims. (Cl. 96—26)



1. An expansible cover, suitable for reinforcing articles such as mining cartridges and the like, comprising sets of strands each of which sets consists of at least three strands and each of which sets is carried alternately over and under at least three of the other sets to form a tubular expansible braid and having end fittings to which the ends of the braid are secured, the pitch of the sets of strands in passing around the braid being less adjacent said end fittings than in the central body portion of the braid.

2,238,059

OBTAINMENT OF VITAMINOUS OILS

William S. Jones, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application March 10, 1938, Serial No. 195,098

4 Claims. (Cl. 260—412.1)

1. The method of obtaining a vitaminous oil from fish tissues that comprises heating the tissues with substantially the amount of alkali-metal hydroxide required to fix the acids and coloring matter within the fish-tissue proteins, extracting a vitaminous oil from the thus-treated tissues with a solvent for fatty oils, and recovering the oil from the extract.

2,238,060

FLUID PRESSURE FEED AND RAPID TRAVERSE SYSTEM OF TRANSMISSION OF POWER

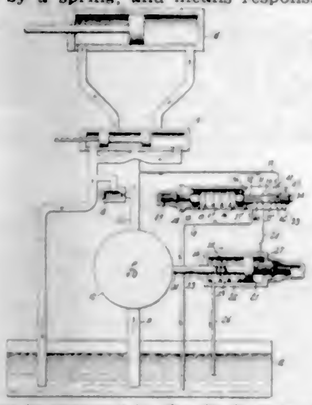
Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application February 8, 1938, Serial No. 189,362

6 Claims. (Cl. 60—52)

1. In a fluid circulating system comprising a fluid operated member having a rapid traverse low pressure stroke and a slow traverse high pressure stroke, and a variable delivery pump having a fluid discharge conduit connected with said fluid operated member and delivering the whole fluid pressure supply volumes for both rapid and slow traverse strokes, in combination, a delivery control and determining device for said pump operable to one predetermined position to effect the delivery needed for the rapid traverse and to another predetermined position to effect the delivery for the slow traverse stroke, fluid pressure operated means for effecting an instantaneous shift of said device from one of

said positions to the other upon transition of the fluid operated member from one stroke to the other, stops limiting the movement of the fluid pressure operated means in both directions for determining the deliveries during the rapid traverse and the slow traverse strokes respectively, said fluid pressure operated means comprising a fluid pressure piston operated in one direction by fluid pressure and in the other direction by a spring, and means responsive to



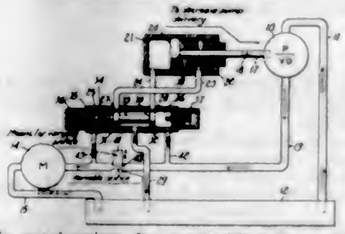
the change in pressure in the discharge conduit upon transition of the fluid operated member from one stroke to the other for controlling said fluid pressure operated means and causing said instantaneous shifts and for holding said fluid pressure operated means against movement upon changes in pressure in said discharge conduit other than changes incident to transition of the fluid operated member from one stroke to another.

2,238,061

FLUID PRESSURE SYSTEM AND CONTROL THEREFOR

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application May 12, 1938, Serial No. 207,512
18 Claims. (Cl. 103—37)



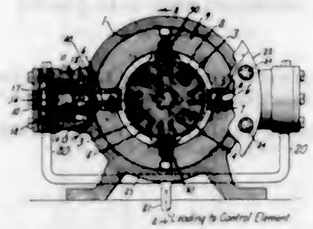
1. In mechanism for controlling the output of a variable delivery pump having a fluid discharge conduit, a flow resistance means in said conduit, power means for varying the delivery of said pump, and fluid pressure operated control means responsive to the pressure drop across said flow resistance means for controlling said power means, said fluid pressure operated control means being operated upon by two opposed forces, one of said forces being the net force produced by the difference in pressure across said resistance flow means and tending to control the power means in a direction to decrease the pump delivery and the other of said forces being a variable force, and means for varying the magnitude of said variable force to thereby alter the delivery of said pump.

2,238,062

VARIABLE CAPACITY PUMP AND CONTROL THEREFOR

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application January 14, 1939, Serial No. 250,864
28 Claims. (Cl. 103—38)



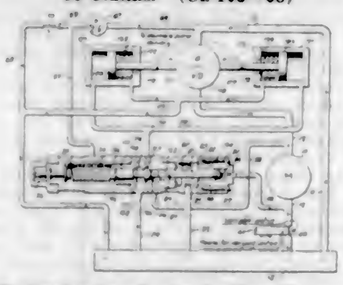
1. In a rotary piston pump unit of the multi-section type discharging into a common chamber wherein diametrically opposite delivery determining elements are movable radially inwardly against the pressure or pressures of the pump sections to decrease their deliveries, and a control thereof, in combination, diametrically opposed fluid pressure cylinders in alinement with said elements, pistons in said cylinders operatively connected with said elements, a fluid pressure passage connecting the outer ends of said cylinders, said passage and outer ends of said cylinders containing an incompressible fluid and means for forcing additional fluid into said passage and said cylinders against the pump section pressures and for permitting the exhaust of the fluid therefrom.

2,238,063

FLUID PRESSURE SYSTEM AND VALVE MECHANISM THEREFOR

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware

Application April 17, 1939, Serial No. 268,253
18 Claims. (Cl. 103—38)



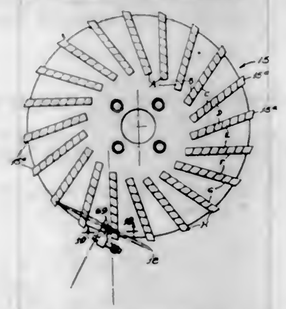
1. In mechanism for controlling the output of a variable-output pump and for relieving excess pump pressure, said pump having a fluid discharge conduit, in combination, fluid pressure operated output-varying means for altering the output of said pump and valve mechanism for controlling the operation thereof, said valve mechanism including a pressure fluid admission port connected with said pump's discharge conduit, a fluid exhaust port and an operating port connected with said fluid pressure operated output-varying means, and said valve mechanism also including valve piston means having a neutral position in which fluid communication between all of said ports is cut off and said output-varying means is rendered inoperative, said valve piston means being movable in one direction from its neutral position to connect said exhaust port with said operating port, thereby causing output increasing operation of said output-varying means, said valve piston means also being movable through a first range in the other direction from its neutral position to connect said admission port with said operating port, thereby causing output decreasing operation of said output-varying means, and said valve piston means being further movable through a second range in said last named direction to connect all three of said ports, thereby reducing pump output to minimum and permitting escape of pressure fluid from said discharge conduit through said exhaust port to relieve excess pump pressure.

2,238,064

CUTTER GRINDING METHOD

Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application May 16, 1938, Serial No. 208,187
6 Claims. (Cl. 51—288)



1. The method of grinding a rotary cutter having blades angularly spaced around the axis with roughing and finishing edge portions arranged in rows spaced progressively along and away from the cutter axis, which comprises adjusting a grinding wheel to an effective position corresponding to that of the edges to be formed on the finishing portions of the blades, passing the wheel across the individual finishing portions successively around the entire row thereof, readjusting the wheel to an effective position corresponding to that of the roughing portions of the blades, passing the wheel across the latter portions of the blades successively around the row thereof, and dressing the wheel only when it is readjusted.

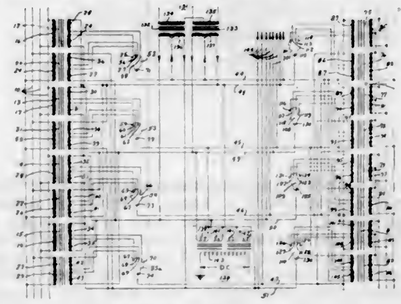
2,238,065

ELECTRIC POWER TRANSMISSION AND DISTRIBUTION SYSTEM

Albert R. Locke, Oak Park, Ill., assignor of one-half to Monad Corporation, a corporation of Illinois

Application September 9, 1939, Serial No. 294,044
13 Claims. (Cl. 171—97)

13. A power transmission system comprising a source of polyphase alternating current, means for inverting half of the alternating current wave of each phase to form a pair of juxtaposed half waves for each phase, a transmission line connected to said means for conducting half waves of electric energy thereover, a load circuit, inductive means coupling said load circuit to said transmission line, said inductive means including a plurality of pairs of primary windings and at least one secondary winding inductively coupled to said primary windings, each of said pairs of



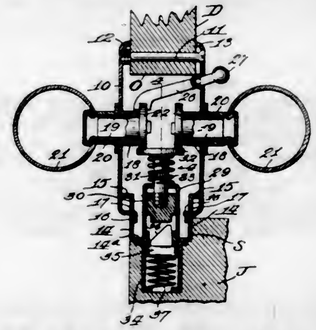
primary windings having separate magnetic circuit from the other pairs but each of said pairs having a single common magnetic circuit for the two windings forming the pair, and means for selectively segregating juxtaposed pairs of half waves from said transmission line and feeding said selected pairs to predetermined primary windings of said inductive means, whereby unidirectional pulsating current is caused to flow through said load circuit.

2,238,066

DOOR LOCK

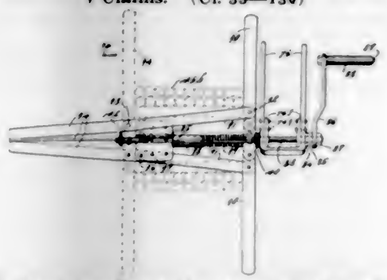
Aloysius F. Mantz, Los Angeles, Calif.

Application October 1, 1938, Serial No. 232,724
2 Claims. (Cl. 292—337)



1. In a latch for a door provided in its edge with a notch, a pair of plates positioned on the side faces of the door and covering the notch therein, a single fastening member passing through said door and plates for securing the latter to said door, a channel-shaped member positioned between the outer ends of said plates, there being an opening formed in the outer wall of said channel-shaped member, a housing arranged within said channel-shaped member around the opening therein and a spring pressed member arranged for operation in the housing that is positioned within said channel-shaped member.

2,238,067
ROPE WINDING AND MEASURING MACHINE
Charles M. McCarthy, Minneapolis, Minn.
Application May 31, 1938, Serial No. 210,907
7 Claims. (Cl. 33—130)



1. A rope winding and measuring machine having in combination, a frame, a series of spaced rope guides on said frame over which ropes of different diameters may be drawn, a reel mounted on said frame for winding a rope and drawing it over any one of said guides, said reel being movable into alignment with any one of said guides, a roller extending across said frame in front of said guides and a measuring device having a roller adapted to contact a rope moving over and supported on said first mentioned roller, said device being mounted on said frame and movable transversely of said frame into alignment with any one of said guides.

2,238,068
SOLDER FLUX
Mike A. Miller, Arnold, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 30, 1939, Serial No. 306,887
15 Claims. (Cl. 148—23)

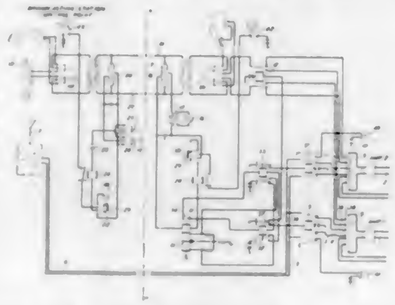
1. A solder flux composition containing a boron fluorine addition compound of an amino alcohol.

2,238,069
SOLDER FLUX
Mike A. Miller, Arnold, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 30, 1939, Serial No. 306,888
15 Claims. (Cl. 148—23)

1. A solder flux composition containing a boron fluorine addition compound of an aliphatic polyamine.

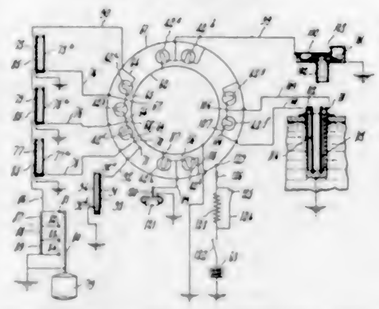
2,238,070
BROADCAST SWITCHING SYSTEM
Paul B. Murphy, South Nyack, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1940, Serial No. 334,364
3 Claims. (Cl. 179—1)

1. In a broadcasting system, in combination, a switching point, two lines terminating thereat over which broadcast programs are transmitted, a broadcast station, a line between said switching point and said station, switching means at said switching point for connecting said station line to either of said program lines, a trunk line between said station and switching point, said trunk line serially including a source of alternating current, a unidirectional current conducting device, and a polar relay adapted to operate in either of two directions depending on the direction of the current flowing therethrough, a switch at the station end of said trunk line for reversing the connection of said unidirectional device with respect to the trunk to cause a current reversal thereover, and a consequent reverse operation of said polar relay, said polar relay being so con-



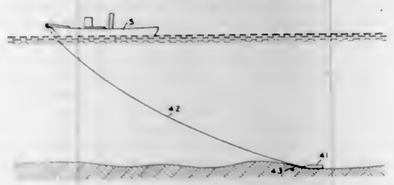
nected and arranged as to control said switching means for connecting the station line to one or the other of said program lines, a monitoring receiver at the station connected to said trunk line, and means responsive to the connection of said station lines to either one of said program lines for connecting the other program line to said trunk line.

2,238,071
ELECTRIC DASHBOARD GAUGE FOR AUTOMOBILES
Nicholas Nazar, Boston, Mass., assignor to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts
Application November 10, 1937, Serial No. 173,873
1 Claim. (Cl. 73—365)



An indicator instrument comprising a plurality of electrical devices in circuit connection with one another, said devices having respectively different resistances such that one of them is made active and the other remains inactive when a current of prescribed magnitude flows through them in series, supply and return connections for currents at respectively opposite ends of the series, a thermally operated circuit closer in one of said connections, a shunt conductor leading from a point between said devices, and a thermally operated circuit closer in series with said shunt conductor, one of said circuit closers being arranged to close and open at a lower temperature than the other.

2,238,072
METHOD AND MEANS FOR LOCATING CONCEALED BODIES
Dale H. Nelson, Water Mill, and William D. Buckingham, Southampton, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 26, 1938, Serial No. 192,770
48 Claims. (Cl. 175—183)



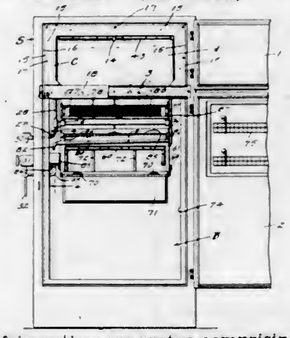
1. The method of locating a concealed body, capable of distorting the lines of force of a magnetic field, by detecting means affected by said lines of force, which comprises the steps of causing relative movement between said detecting means and the body in the vicinity of said body and producing during such movement successive electrical responses, said responses being dependent upon the degree of distortion of said lines of force by said concealed body in the path of said detecting means, determining the ratio of the respective magnitudes of said successive electrical responses, and determining from said ratio the location of said body.

2,238,073
METHOD OF PRODUCING DISPLAY SIGN MATERIAL
Murray K. Patten, Westchester, Ill.
Application November 18, 1938, Serial No. 241,182
14 Claims. (Cl. 41—33)



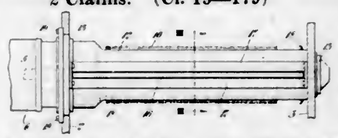
13. A new method of manufacturing comprising rubbing down a piece of metal foil on a table with a piece of water-soaked paper between the foil and the table, then forming a stencil by cutting a design in the foil, removing at least a portion of the cut-out foil, then securing a second piece of metal foil by water seal on the stencil foil, then removing the assembly from the table and securing it by a water seal on a hard panel with said second foil next to the face of the panel, then stripping off the paper and applying paint or varnish like covering material on the face of said second foil by successive steps employing successively different colors and involving the complete removal of the stencil prior to the application of the final coat of covering material, then securing a water-soaked piece of paper by means of water-soluble glue on the face of the paint film and panel so as to cause it to dry smooth thereon, then removing the assembly from the panel and separating the second foil from the paint film by stripping the foil backwardly upon itself at a sharp angle, then soaking the assembly in water for allowing the paint film to absorb a supply of water, then rubbing the assembly down on the face of a piece of glass for securing it by a water seal thereon, and stripping the paper from the paint film and the glass.

2,238,074
REFRIGERATING APPARATUS
Arthur J. Pedigo, Cookeville, Tenn.
Application April 8, 1939, Serial No. 266,831
6 Claims. (Cl. 62—89)



1. A refrigerating apparatus comprising a case, the lower portion of the case constituting a food chamber, a door for permitting access within the food chamber, a box within the upper portion of the case, a horizontally disposed grid supported by the lower portion of the box and constituting a bottom therefor, said box being adapted to contain a block of ice resting upon the grid, a second door carried by the case to permit access within the box, a door carried by the upper portion of the first door operating independently of said first door to allow access within the food chamber without opening the first door, the side walls of the box extending below the grid, a housing supported between said depending portions of the side walls, and a mechanical refrigerating unit including an absorption coil within the housing, a door for the housing readily accessible upon opening of the door in the upper portion of the door for the food chamber.

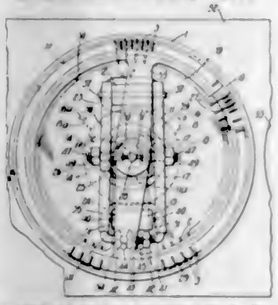
2,238,075
UNITARY BRUSH ASSEMBLY AND PROTECTIVE HOUSING THEREFOR
Winfred M. Quigley, West View, and Ewart S. Taylerson, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application May 6, 1939, Serial No. 272,270
2 Claims. (Cl. 15—179)



1. A brushing apparatus comprising a frame, a unitary brushing assembly slidable endwise therein, said assembly comprising a driving unit, a rotary shaft connected to said driving unit, a rotary elongated brush carried by said rotary shaft, a protective housing substantially enclosing said rotary brush and having at least one aperture formed therein through which portions of the brush are adapted to extend and operate, longitudinally extending guiding elements carried by said protective housing and substantially

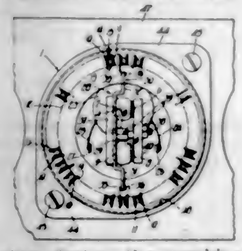
coextensive with the axis thereof, and cooperating guiding elements carried by the frame of said brushing apparatus.

2,238,076
MULTICONTACT RELAY
John N. Reynolds, Princeton, N. J.
Application August 5, 1939, Serial No. 288,516
22 Claims. (Cl. 200—103)



1. An electrical relay comprising, in combination, an electromagnet, a set of movable contact springs arranged along a circular arc, a second set of movable contact springs arranged along a circular arc surrounding and of greater radius than the first named arc, means actuated by the electromagnet for moving the first named set of contact springs simultaneously in one direction and means actuated by the electromagnet for moving the second set of contact springs simultaneously in the opposite direction.

2,238,077
MULTICONTACT RELAY
John N. Reynolds, Princeton, N. J.
Application August 11, 1939, Serial No. 289,534
14 Claims. (Cl. 200—104)

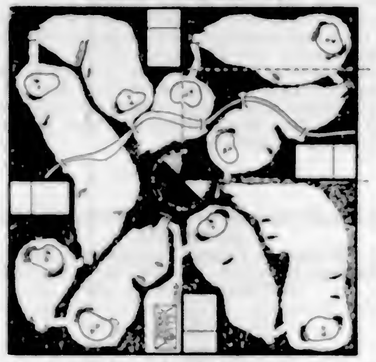


1. In a relay device, the combination comprising a first set of spaced apart contact springs, a second set of spaced apart contact springs disposed between the springs of the first set, an electromagnet, an armature mounted adjacent said electromagnet and means whereby movement of said armature in one direction actuates the first set of contact springs in one direction and the second set in an opposite direction.

2,238,078
PRODUCTION OF FERROCHROMIUM
Percy H. Royster, Bethesda, Md.
Application January 23, 1939, Serial No. 252,448
4 Claims. (Cl. 75—127)

1. Process of producing a chromium alloy containing more than 35% chromium, which comprises charging into a blast furnace carbonaceous fuel and a material containing chromic oxide and a reducible oxygen compound of another metal, said material containing at least 15% of chromic oxide and at least as much chromic oxide as reducible oxygen compound of the other metal; blasting the furnace with atmospheric air preheated before entrance into the furnace to a temperature, not below 1800° F., controlled with respect to the ratio of carbonaceous fuel to said material, the temperature of preheat being increased as the ratio of carbonaceous fuel to said material is decreased, to maintain in the furnace hearth a temperature sufficiently elevated to effect liquefaction of the material and reduction of chromic oxide by solid carbon, whereby the greater part of the chromium content of the material is deoxidized and chromium alloy is produced; and removing the resulting liquid slag and liquid alloy from the furnace.

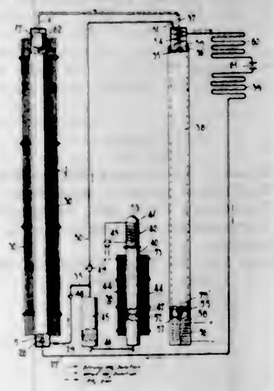
2,238,079
INDOOR GAME
Ludwig G. Scheib, Chicago, Ill.
Application September 12, 1938, Serial No. 229,456
1 Claim. (Cl. 273—87)



In a game of the character described, for use with a plurality of differently colored rollers each representing a different club, each roller having a plurality of faces containing distance markings, a rectangular playing board representing a golf course, a space at the center of the board designating a golf bag for reception of said rollers or clubs, a plurality of play fields one at each side of the board, where the rollers are cast during play of the game, a color designation at each tee showing the club to be used therefrom, a plurality of distance markings on each hole of the course indicating the points to which the players advance as determined by cast of the rollers, and a color designation associated with each distance marking to show which roller or club has to be used at that point.

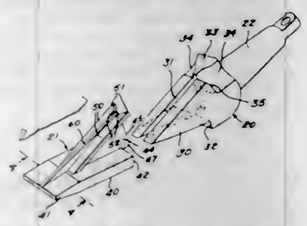
2,238,080
ABSORPTION REFRIGERATION
Mark Shoeld, Baltimore, Md.
Application October 15, 1937, Serial No. 169,303
6 Claims. (Cl. 62—5)

1. In an absorption refrigerator system, an absorption unit comprising a relatively narrow pipe, and a second unit comprising a relatively narrow pipe having completely within its walls generator, rectifier and heat exchanger means, a conduit connecting the said heat exchanger means to the said absorption unit, the said heat exchanger means providing for the passage of liquid within the latter pipe from the said generator means to said conduit in heat exchange relation, within the latter pipe, to liquid and gas present in the said rectifier means, and the said absorption unit having completely within its walls and extending substantially along its longitudinal axis a mixing tube for the gas and liquid employed in the system and



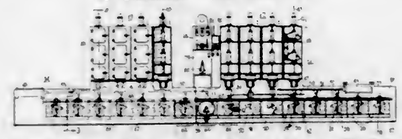
also extending substantially along the said axis through one end of the said absorption unit an inlet tube having automatic valve means adjacent the inner end of the said inlet tube for automatically controlling the flow of liquid through the said heat exchanger means from the said generator means into the said absorption unit.

2,238,081
EXCAVATOR TOOTH
Waverly Edward Soberanes, San Rafael, Calif., assignor of one-half to Abraham W. Ward, San Francisco, Calif.
Application August 5, 1939, Serial No. 288,534
7 Claims. (Cl. 37—142)



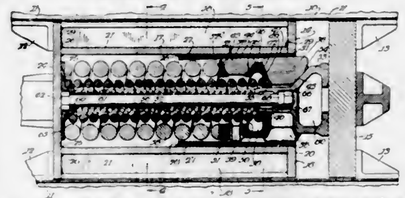
1. A digging tooth comprising a base having a wedge shaped body and a tooth point removably secured thereon, said tooth point including a face member of wear resistant metal and a flange member attached at its forward end to the face member and diverging rearwardly therefrom, said face and flange members fitting against opposite inclined side faces of the tapered tooth body, the inclined face of said tapered tooth body engaged by said flange member being formed with locking recesses located at each side of the center thereof, said recesses opening outwardly at the sides of said tooth body so as to permit a hammer to be swung thereinto, the forward walls of said recesses nearest to the point of the tooth forming retaining shoulders, and said flange member being formed with bendable ears bent into engagement with the forward walls of said recesses.

2,238,082
CYLINDER TREATING MACHINE
Howard E. Somes, Detroit, Mich.
Application January 7, 1937, Serial No. 119,400
Renewed March 8, 1939
19 Claims. (Cl. 266—4)



1. Apparatus for heat treating the cylinders of similar multi-cylinder engine blocks by electrical induction, comprising a plurality of inductive heating coils equal in number to the number of cylinders in each engine block, and each adapted to be moved into a cylinder for heat treating the same, means for successively moving different coils into different cylinders of different blocks respectively, of a group of blocks in one position of the group, and means for connecting the coils to a source of energizing current one at a time in recurring cycles.

2,238,083
DRAFT GEAR
Donald F. Sproul, Chicago, Ill., assignor to James R. Cardwell, Chicago, Ill.
Application January 13, 1939, Serial No. 250,673
5 Claims. (Cl. 213—31)

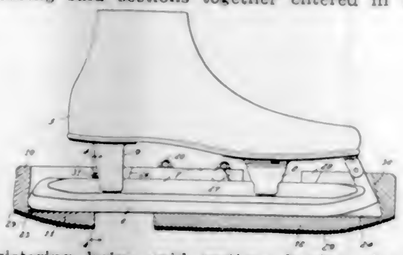


1. In a draft gear, a casing comprising a length of seamless tube, an angular bar extending along opposite sides and welded to said casing along each side of the bar, a front follower extending across the forward ends of said tube and bars and rigidly secured thereto by welds at each side of the bars and along the inner and outer edge of said tube, a rear plate extending across the rear ends of said bars and tube and rigidly connected thereto, a friction tube pressed into the inner end of said seamless tube and extending beyond the end thereof, through an axial opening in said plate and rigidly secured to said plate and seamless tube as by welding, and welds on opposite sides of each angular bar for securing the same to said plate.

2,238,084
ADJUSTABLE OVERSHOE FOR ICE SKATES
Willard L. Tuell, Grand Haven, and Ora W. Richert, Spring Lake, Mich.
Application May 13, 1939, Serial No. 273,392
10 Claims. (Cl. 280—11.38)

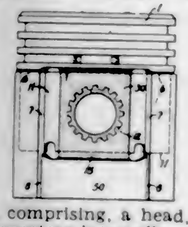
1. An overshoe for an ice skate, comprising front and rear sections having adjoining tongue and groove end portions slidably interfitting in a substantially horizontal plane so as to permit longitudinal adjustment of said sections relative to one another, one of said end portions having one or more substantially vertical holes provided therein and the other end portion having a plurality of substantially vertical holes provided

therein in longitudinally spaced relation adapted to register with the first-mentioned holes in different positions of adjustment of the sections relative to one another, one or more bolts for securing said sections together entered in the



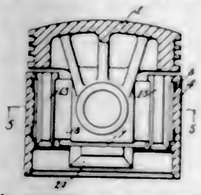
registering holes, said sections having aligned longitudinal grooves provided in the top portions thereof in a substantially vertical plane adapted to receive a skate runner, and means for securing the overshoe to the skate runner when engaged in the groove.

2,238,085
PISTON
William M. Venner, Richmond Heights, and Percy L. Bowser, Jr., University City, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application January 7, 1939, Serial No. 249,688
13 Claims. (Cl. 309—13)



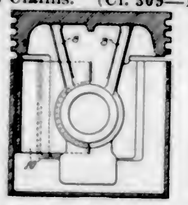
1. A piston, comprising, a head, a skirt, wrist pin bosses, connectors integrally connecting said head with said bosses, said skirt having cylinder-bearing sections in the regions between said bosses, said sections being separated from said head, one of said connectors being integrally connected with said sections and the other being separate from said sections, and a control element of less expansible material than said skirt connected to said sections and one of said connectors to control the expansion of said sections.

2,238,086
PISTON
Percy L. Bowser, University City, Mo., assignor to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application July 6, 1937, Serial No. 151,983
4 Claims. (Cl. 309—13)



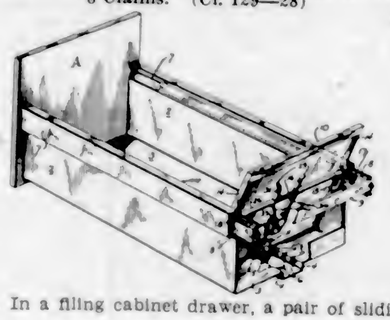
2. A trunk piston, comprising, a casting of light metal providing a head, wrist-pin bearings depending therefrom, a skirt providing a flexible cylinder-bearing wall separated from said head and along its side edges from said pin bearings, positioned on an axis transverse to the wrist pin axis and having its bearing face formed with a slightly elliptical eccentricity; and a radially flexible control member of a lower rate of expansion than the casting metal, embedded in the outer portions of said bearings and extending along the circumferential curve of the skirt to connect said bearings with the lateral edges of said wall, said member being embedded in said edges but lying wholly radially within said wall beyond said edges.

2,238,087
PISTON
Percy L. Bowser, University City, William M. Venner, Richmond Heights, and Percy L. Bowser, Jr., University City, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application May 16, 1938, Serial No. 208,184
2 Claims. (Cl. 309—13)



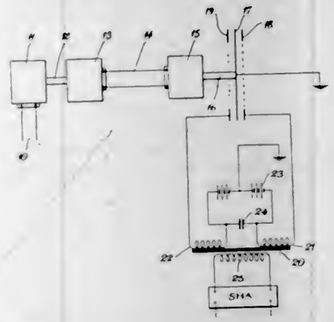
1. A trunk piston of the character described having a head and a skirt, wrist-pin bosses on said skirt, rigid coonnectors joining said head integrally to said skirt and said bosses, said skirt having cylinder-bearing sections in the regions between said bosses one of which sections is integrally connected with said bosses while the other is separate therefrom, both of said sections being separated from said head, said head and skirt being constructed of a material having a high coefficient of thermal expansion, and a flexible band of material having a lower coefficient of thermal expansion anchored to the outer portions of said bosses and connected to the middle portion only of said separate cylinder-bearing section in order to transmit thereto expansion of said bosses in a direction such as to restrain expansion of said section.

2,238,088
FILING DRAWER
Ross R. West, San Francisco, Calif., assignor to M. G. West Company, San Francisco, Calif., a corporation of California
Application August 22, 1939, Serial No. 291,359
8 Claims. (Cl. 129—28)



8. In a filing cabinet drawer, a pair of sliding bars mounted one at each side of the drawer, and adapted during sliding movement to project beyond the rear end of the drawer, a compression plate mounted in the drawer, a pivotal connection between the upper portion of the compression plate and the sliding bars, said pivotal connection being longitudinally adjustable with relation to the bars, and a longitudinally adjustable pivotal connection between the lower edge of the compression plate and the bottom of the drawer.

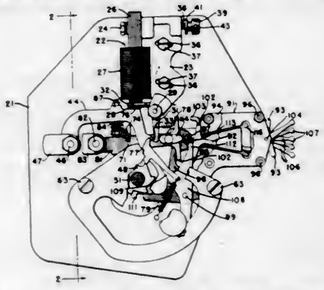
2,238,089
ELECTRICAL SIGNAL GENERATOR
Gustav Wikkenhauser and Amherst Felix Home Thomson, Kensington, London, England
Application February 5, 1938, Serial No. 188,994
In Great Britain February 12, 1937
3 Claims. (Cl. 175—363)



1. An electric generator for generating an electric oscillation of substantially sine-wave form and of substantially constant frequency, said generator comprising two similar toothed stators, each stator having all its teeth electrically connected together and one stator being placed so that the teeth thereof are opposite those of the other stator, a toothed rotor having a number of teeth electrically connected together and equal in number to those on said stators, means adapted to be connected to an alternating current supply mains for rotating said rotor at a substantially constant speed, means for applying a potential difference between said stators, means for holding said rotor at a potential substantially mid-way between the potentials on said stators, an output circuit, and electrical means for feeding the alternating potential generated across said stators during rotation of said rotor to said output circuit.

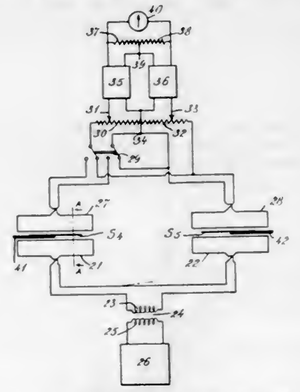
2,238,090
PRINTING TELEGRAPH APPARATUS
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application December 31, 1936, Serial No. 118,525. Divided and this application November 15, 1937, Serial No. 174,554
9 Claims. (Cl. 178—33)

1. In a selector mechanism, a group of selectors, an electromagnet, an armature for said electromagnet, an element through which said armature is moved toward said electromagnet periodically, and means operated by the electromagnet for holding or releasing said element, a selector lever presentable in either of two positions according to whether said element is held or released, and



means for positioning said selectors according to the successive positions of said selector lever.

2,238,091
TESTING CONDUCTIVE BODIES
Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application May 3, 1938, Serial No. 205,693
1 Claim. (Cl. 175—183)



In apparatus for determining the thickness of conductive sheets, the combination which comprises a pair of substantially electrically identical primary coils wound in substantially rectangular form with dielectric cores and spaced apart out of inductive relationship with each other, means for setting up substantially identical alternating electrical fields in the primary coils, a pair of substantially electrically identical secondary coils wound in substantially rectangular form and disposed respectively in inductive relationship beside the primary coils but spaced therefrom, each primary coil and its adjacent secondary coil having their axes substantially parallel and with long sides of the rectangles facing each other, a circuit connecting the secondary coils in series opposition, current indicating means connected in said circuit, means for disposing a conductive sheet of known thickness between one primary coil and the adjacent secondary coil with the plane of the sheet substantially parallel to the axes of the coils and to the long faces thereof, and means for disposing a conductive sheet the thickness of which is to be determined between the other primary

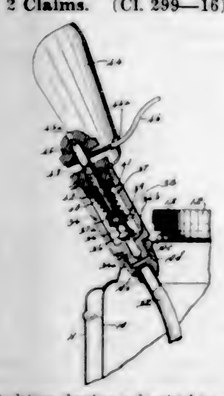
coil and its adjacent secondary, the plane of this sheet being substantially parallel to the axes of these coils and to the long faces thereof.

2,238,092
STAY BOLT TESTING DEVICE
Grover R. Greenslade, Scott Township, Allegheny County, Pa., assignor to Flannery Bolt Company, Bridgeville, Pa., a corporation of Delaware
Application October 2, 1939, Serial No. 297,445
10 Claims. (Cl. 175—183)



1. A stay bolt testing device of the character described comprising a probe having a rigid conducting core member of substantially uniform diameter extending throughout the length thereof, and an insulating and protecting sleeve surrounding the core and extending throughout the greater portion of the length thereof, the tip only of the core projecting beyond the tip of said casing, the insulating and protecting sleeve being tightly fitted about the core, whereby the probe may be repeatedly sharpened simultaneously cutting away the end of the core and the end of the sleeve in such manner that the end of the probe is a cone and the tip of the core always protrudes.

2,238,093
PORTABLE DRINKING FOUNTAIN
Henry E. Brandt, St. Paul, Minn.
Application February 18, 1938, Serial No. 191,231
2 Claims. (Cl. 299—16)



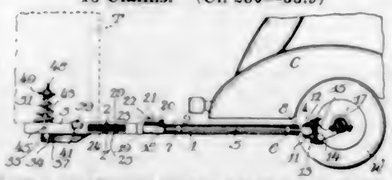
1. In a drinking device adapted to be connected to a container, a hollow stem extending upwardly through which water passes from said container, a valve in said stem, a pipe connected to said valve forming a valve rod extending through the top of said stem and spaced from the interior wall thereof, a bubbler head secured to the upper end of said pipe above said stem, a spring for moving said valve to closed position, said pipe having a perforation therein above said valve within said stem, a concavo-convex plate disposed at one side of and extending above said stem having its concave side directed toward said stem and forming a guard, a lever surrounding said pipe and engaging the lower side of said bubbler head to raise said pipe and open said valve to permit the flow of liquid through said stem and head, said lever extending through and being fulcrumed on said plate.

2,238,094
STUMP SPLITTER
George S. Allin, Seattle, Wash.
Application January 27, 1939, Serial No. 253,098
9 Claims. (Cl. 37—2)



1. A machine of the character described comprising a tractor, a thrust beam fixed thereto and extending in the direction of travel, and a wedge bar fixed to the thrust beam and extending therefrom in the direction of travel; said bar having a vertical splitting edge for engaging and entering a stump by forward travel of the tractor.

2,238,095
TRAILER HITCH
Oscar G. Almcrantz, Evanston, Ill.
Application March 24, 1939, Serial No. 263,953
18 Claims. (Cl. 280—33.9)



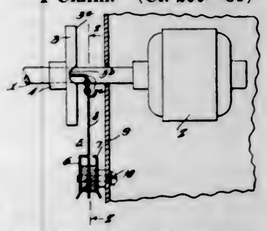
1. In a trailer hitch, a drawbar having one end adapted to be secured to a tow vehicle, trailer shaft means adapted to support a trailer, said drawbar and trailer shaft means being pivotally connected together for jack-knifing movement, and means controlling said movement so constructed and arranged that the overall length of said drawbar and trailer shaft means will remain substantially the same during said movement.

2,238,096
POLISHING AND WET SANDING
James Nelson Baker and Glenn C. Wilhide, Towson, Md., assignors to The Black and Decker Manufacturing Company, a corporation of Maryland
Application August 16, 1939, Serial No. 290,372
16 Claims. (Cl. 91—39)



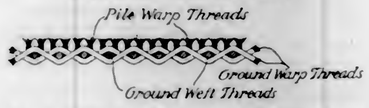
13. The combination in a polishing tool of a rotary pad type having a hollow spindle on the end of which the pad is mounted, providing a passage through said hollow spindle adapted to supply liquid to the center of the pad, a field casing having a motor therein, a pipe feeding liquid from an outside source of supply under pressure to said spindle, and a valve means controlling said pipe, a handle for controlling, supporting and directing the tool in the sanding and polishing operation mounted on the tool casing, and a switch and operating means therefor controlling current for energizing the motor, and a rocking lever controlling said valve means, both said lever and operating means being immediately adjacent said handle and adjacent to each other to be operated, by a thumb or finger of the hand holding said handle.

2,238,097
ELECTRIC SWITCH
Albert Blain, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1938, Serial No. 222,082
1 Claim. (Cl. 200—31)



In combination, a rotatable member having an axis and a surface having a detent therein comprising a cam which extends outwardly from said axis, a switch comprising a plurality of contacts remote from said rotatable member and an actuating member for said remote contacts mounted tangent to the axis of said rotatable member and biased to engage said cam surface, and means for moving said switch actuating member radially with respect to said axis whereby to regulate the period of time during which said switch actuating member is in contact with said cam during each revolution of said rotatable member, said switch contacts being biased to close when said switch actuating member engages said cam.

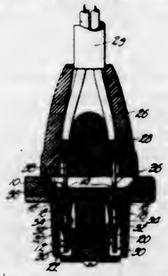
2,238,098
FABRIC
Hamilton Bradshaw, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 28, 1938, Serial No. 221,732
2 Claims. (Cl. 139—391)



1. As a new article of manufacture an improved dense pile fabric comprising ground warp and weft threads and pile threads, the ground threads of which are composed essentially of synthetic linear polyamide filaments, the ground threads being shrunk, in situ, in the fabric whereby to increase the denseness of the pile.

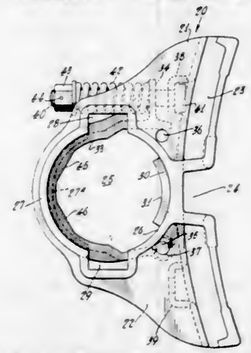
2,238,099
ELECTRIC PLUG
Emile P. Brus, Kansas City, Mo.
Application March 2, 1939, Serial No. 259,350
1 Claim. (Cl. 173—361)

A plug for a standard electrical receptacle provided with a pair of spaced apart cavities opening inwardly from one side thereof, each cavity having an outer side wall and a pair of spaced inwardly extending abutments forming a blade entrance opening, said plug comprising a body of insulating material; a pair of flat, perforated blades of single thickness metal extending outwardly from said body; and a resilient finger struck from each blade intermediate its side edges, said fingers being joined to the respective blades near the free ends of the latter, each of said fingers having an arch, the hump of which projects outwardly from one side of the major axis of the blade adjacent to the fixed end of the finger to engage an outer side wall of a cavity, a lower portion of the inner arcuate surface of the



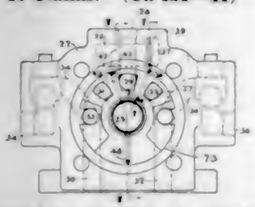
hump forming a shoulder and being positioned to engage and underlie a contact on the receptacle, the upper outer surface of the hump also serving as a shoulder and being positioned immediately below and in contact with one of said abutments while said lower portion engages the contact whereby said upper outer surface and said lower portion cooperate to resist outward movement of the blade, a second arched portion formed on and adjacent to the free end of each finger and having a curve reverse to that of the other arch, said second arched portion being positioned to lie between said abutments when the plug is inserted in the receptacle.

2,238,100
BRAKE HEAD AND MOUNTING THEREFOR
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application November 24, 1939, Serial No. 305,789
30 Claims. (Cl. 188—230)



1. A brake head having a transverse mounting receiving opening in its back, and a beam clearance recess intercepting the opening at one of the upper and lower parts of the head, such recess adapted to register with and clear a lateral projection on, and in the plane of, the beam before the head is placed on the mounting.

2,238,101
SERVOMOTOR
Roger W. Clifford, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application May 2, 1940, Serial No. 332,885
10 Claims. (Cl. 121—41)



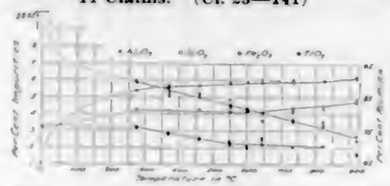
1. A servomotor comprising a cylinder; a compressed air-operated piston therein; working parts operated by said piston; a valve controlling the air to and from said cylinder, having a valve seat with air ports communicating with said cylinder, an exhaust port for air coming from said cylinder and a port for lubricating oil communicating with said exhaust port; a passageway communicating with said exhaust port and provided with an opening adjacent said working parts, said valve further having a valve element provided with a face engaging the face of said seat and slidably movable relative thereto for controlling all of said ports, said exhaust and lubricating oil ports being controlled to permit a simultaneous passage of oil and exhaust air through said passageway to said parts for lubricating same; and means for conveying lubricating oil under pressure to said faces and therebetween to said lubricating oil port when open.

2,238,102
TANK
Dirk Eisinga, Seattle, Wash., assignor to National Steel Construction Co., Seattle, Wash., a corporation of Washington
Application October 26, 1937, Serial No. 171,051
2 Claims. (Cl. 220—63)



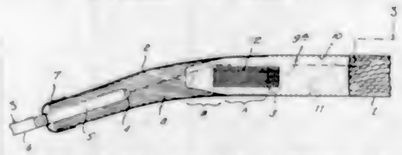
1. A tank of the class described comprising an outer supporting shell of metal of high tensile strength, said shell having openings therein; doubling plates on the exterior of said shell at the locations of said openings, said doubling plates having openings in registration with the openings in said shell; a liquid tight liner receptacle of soft non-corrosive readily deformable material separable from said outer shell and insertable into and removable from said outer shell; and pipe fitting members carried by said liner and movable into and out of said shell along with said liner and having portions positioned to extend outwardly through said openings in said outer shell and other portions positioned to engage with said doubling plates whereby the thrust on said pipe fitting members will be borne by said doubling plates.

2,238,103
PROCESS OF TREATING ALUMINOUS MATERIAL TO PRODUCE ALUMINA
Colin G. Fink, New York, and Vincent Salvatore de Marchi, Jamaica, N. Y.
Application March 8, 1938, Serial No. 194,718
11 Claims. (Cl. 23—141)



6. The process of purifying aluminous material which comprises treating aluminous material containing more than about 15% Fe_2O_3 together with other impurities including TiO_2 and SiO_2 with an amount of at least one sulfur-bearing material selected from the group consisting of elemental sulfur, iron pyrite, alkali metal sulfide and polysulfide, and hydrogen sulfide in excess of the amount required to sulfidize said iron oxide to sulfidize a major portion of said impurities and to form sulfidized aluminous material substantially devoid of sulfur compounds of aluminum, reacting said sulfidized material with chlorine to form chlorides of said iron and other impurities, and separating said chlorides from said non-sulfidized alumina whereby alumina of commercial purity is obtained.

2,238,104
TOOL HANDLE
Leonard P. Finley, Columbus, Ohio, assignor to The Union Fork and Hoe Company, a corporation of Ohio
Application January 4, 1940, Serial No. 312,340
6 Claims. (Cl. 294—57)



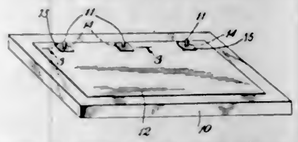
1. For forks and the like, a wooden handle having its lower end for a substantial distance reduced in diameter to receive a ferrule and terminating in a shoulder, a tubular ferrule fitting on and coextensive with the reduced end, the handle having a vertical slot therethrough extending both sides of the shoulder, and a reinforcing member comprising a plate disposed within the slot and extending from the upper end of the slot into the ferrule, the portion of the reinforcing member within the ferrule having a section at its upper end coextensive in width with the internal diameter of the ferrule and the remainder of the portion being of lesser width than and out of contact with the internal face of the ferrule, whereby the flexibility of the lower end of the handle is substantially unimpaired.

2,238,105
CLOSURE FOR JARS OR SIMILAR CONTAINERS
Frederick Jonathan Fison, Histon, Cambridge, England, assignor to Chivers & Sons Limited, Cambridge, England, a British company
Application April 13, 1938, Serial No. 201,704
In Great Britain March 26, 1938
8 Claims. (Cl. 215—46)



2. Closure means for jars or similar containers comprising a cap or cover having an upper part, means whereby it can be held on a jar and a depending portion slit circumferentially and downwardly at its ends to form a tongue between the ends of the slit, below which tongue the depending portion is extended to form a tab which, together with the tongue, has a means upon it to extend across an imaginary line taken through the portions of the material adjacent the ends of the slit so that the tongue and tab are reinforced to form a lever which as such can be angularly moved about the said fulcrum line to cause the tongue to bear on a part of the jar as the lever is angularly moved outwardly so as to raise or open the cap or cover.

2,238,106
SHEET OF DRAWING MATERIAL
Max Fleischer, Miami Beach, Fla.
Application August 24, 1939, Serial No. 291,663
8 Claims. (Cl. 281—41)



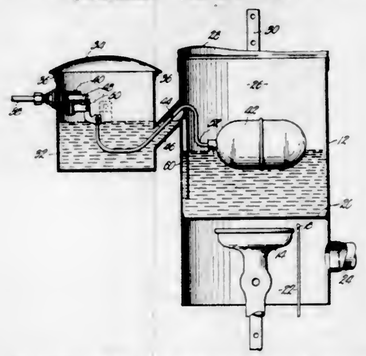
8. A sheet of drawing material of low elasticity and resiliency provided with a plurality of perforations adapted to be readily placed upon and removed from registering pins, characterized in that the margin of each of said perforations is composed of a different and elastic highly resilient relatively thin material.

2,238,107
DIRECTIONAL AERIAL SYSTEM
John Megarry Furnival, Purley, Bertram John Witt, Harrow, and Christopher Sydney Cockerell, Danbury, England, assignors to Radio Corporation of America, a corporation of Delaware
Application August 31, 1938, Serial No. 227,808
In Great Britain September 28, 1937
5 Claims. (Cl. 250—11)



5. An equi-signal radio beacon aerial system comprising a pair of series phase aerials, one of said pair being positioned on each side of an equi-signal line, said aerials having their longitudinal axes parallel to said line, other series phase radiating means intermediate said pair of aerials, a source of energizing currents, means for applying said energizing currents alternately to different ones of said pair of aerials and means for applying said energizing currents to said intermediate radiating means so that standing waves are produced on said pair of aerials and said intermediate radiating means, and means for displacing the standing waves on said intermediate radiating means with respect to the standing waves on said pair of aerials so that the resultant directions of maximum radiation are at an angle to said line.

2,238,108
HUMIDIFIER FOR HEATING PLANTS
Rufus H. Gates, Kansas City, Mo.
Application May 15, 1939, Serial No. 273,757
8 Claims. (Cl. 126—350)



1. A humidifier for heating plants comprising a low temperature reservoir; a boiler having connection with the heating plant; a neck joining the reservoir and said boiler; a valve for controlling the flow of water into said low temperature reservoir positioned within the latter; a float in said boiler; and an arm operably interconnecting the valve and said float, said neck being formed to maintain the water in the reservoir separate from that in the boiler and to create a water trap therein whereby to preclude heating the water in the reservoir and to seal the reservoir against the entrance of steam from the said boiler.

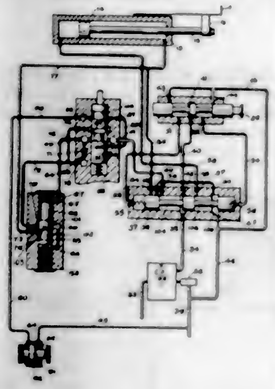
2,238,109
EMULSIFIABLE WAX PRODUCT
William K. Griesinger, Lansdowne, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 10, 1938, Serial No. 244,975
4 Claims. (Cl. 134—22)

1. A wax emulsion stock which is homogeneous and substantially solid at ordinary temperatures and capable of being emulsified upon being mixed with water, said stock comprising hydrocarbon wax and from about 3% to about 12% of oil-soluble, water-dispersible soap of a petroleum sulfonic acid, said sulfonic acid having an acid value of from about 80 to about 140 mg. KOH/gm.

2,238,110
HYDRAULIC SYSTEM FOR MACHINE TOOLS AND THE LIKE
Waldo J. Guild, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application May 5, 1937, Serial No. 140,991
4 Claims. (Cl. 60—52)

1. In a machine tool, a reciprocatory table,

fluid pressure actuated means for moving the table, a source of fluid under pressure, a balancing valve in the fluid connection between the source and said means for providing a uniform rate of table travel, said balancing valve comprising a casing having a plunger slidable therein, an inlet port in the casing, and an outlet port connected to the fluid pressure actuated means, said plunger being adapted to vary the amount



of opening of one of said ports by movement within the casing, a connection from the source to one end of the casing, a throttle valve in the fluid connection from the source to the inlet port, a connection between the other end of the casing and the inlet port, a spring for normally urging the plunger toward one end of the casing, and means responsive to changes in the temperature of the fluid in the system for varying the action of the spring.

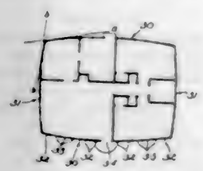
2,238,111

PREFABRICATED BUILDING CONSTRUCTION

James C. Hain, Los Angeles, Calif.

Application April 27, 1938, Serial No. 204,575

9 Claims. (Cl. 20—1)



1. A building having in combination: a continuous series of substantially horizontal stiffeners in normal disposition defining with their outer edges a polygon having arcuate sides; means adjustably interconnecting said stiffeners at the corners of the polygon, said means including at least two slots at the end of each stiffener in general longitudinal alignment with the stiffener and means engaged therewith, whereby, at all adjustments of the stiffeners, the interconnecting means tend to maintain said normal disposition of the stiffeners; a series of wall panels disposed around said stiffeners to form the side walls of the building; and means encircling the side walls of the building in tension to press said panels against each other, and against said stiffeners.

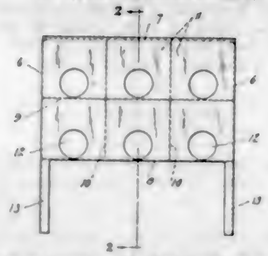
2,238,112

SAFETY CABINET FOR CURRENCY

Edward S. Hall, Seattle, Wash.

Application April 3, 1940, Serial No. 327,623

1 Claim. (Cl. 312—117)



A safety cabinet with flat bottom and top and vertical front, back and sides, with supporting legs, the interior of which is divided horizontally and vertically into compartments with a circular opening in the front wall of the cabinet registering with each compartment, which openings are small in relation to the capacity of the corresponding compartment in order that the entire contents cannot be removed quickly; the top wall of such cabinet being clear shatterproof glass.

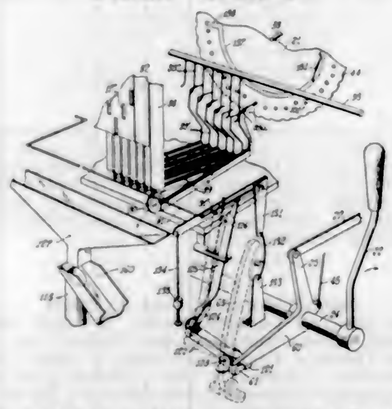
2,238,113

SELECTOR MECHANISM

John T. Haynsworth, Jr., and William E. Johnson, Inverness, Fla.

Application November 5, 1937, Serial No. 172,948

2 Claims. (Cl. 194—15)



2. Selecting mechanism including a bank of selecting fingers each arranged for movement from a normal ineffective position into selecting position, means for directing a coin element onto any of said selecting fingers for operation by weight of the coin element into selecting position, a plurality of presser fingers and means mounting the same for movement as a group relative to said selecting fingers, each selecting finger having a corresponding presser finger which is arranged for operative engagement with the corresponding selecting finger when the latter is in selecting position, and permutation means arranged for movement relative to said selecting fingers for cooperation with any of the latter which is in selecting position provided the permutation means is in a certain position relative to the selecting finger which is in selecting position,

means for moving said permutation means, and means for moving said presser fingers as a group into and out of position for coaction with said selecting fingers in the manner aforesaid.

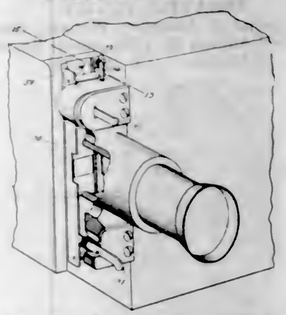
2,238,114

PORTABLE TALKING MOTION PICTURE APPARATUS

Harold C. Holden, Fairfield, Conn., assignor to Radio Corporation of America, a corporation of Delaware

Original application June 21, 1935, Serial No. 27,761, which is a division of application Serial No. 592,453, February 12, 1932, now Patent No. 2,031,832, dated February 25, 1936. Divided and this application April 12, 1938, Serial No. 202,105

3 Claims. (Cl. 88—17)



1. A film gate for a motion picture apparatus comprising an aperture plate, a spring-pressed shoe at one edge of the film movable toward and away from said aperture plate, stop means maintaining said shoe at a predetermined distance which is greater than the thickness of the film over said aperture plate, and a second spring-pressed shoe movable toward and away from said aperture plate at the other edge of said film and adapted to press the film against said aperture plate.

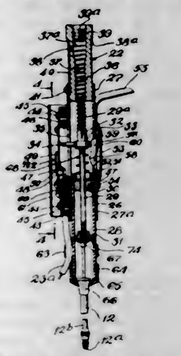
2,238,115

FLASHLIGHT OPERATING DEVICE

Everard L. Johnson, Patchogue, N. Y., assignor of one-third to Herman J. Schoenfeld, Patchogue, N. Y.

Application August 4, 1938, Serial No. 223,026

11 Claims. (Cl. 67—29)



1. In a flashlight actuating device for cameras providing synchronized operation of the flash bulb with the shutter operation of the camera, said device comprising a casing, a normally open switch in the casing controlling the actuation of a flash bulb, a shutter operating element detachably coupled with and extending freely into one end of the casing, a pushable plunger movable in the other end of the casing, a member movably supported in the casing between said plunger and element, said member having relatively adjustable parts for directly actuating said switch and shutter operating element, means involving a spring for yieldably coupling the plunger with said member for actuating said member in the operation of said plunger, and means directly engaging said member to provide a quick trigger-like release thereof in the actuation of said member to simultaneously close the switch and actuate the shutter controlled by said element.

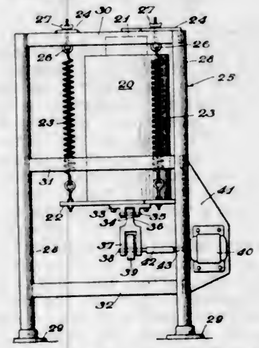
2,238,116

METHOD AND APPARATUS FOR PRODUCING CONSTANT AMPLITUDE MOTION

Dunford A. Kelly, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application August 10, 1938, Serial No. 224,049

7 Claims. (Cl. 74—61)



1. A device adapted to produce vibrations of substantially sinusoidal form having an amplitude substantially independent of frequency comprising a relatively large mass, means for resiliently supporting said mass whereby said mass has a relatively low natural frequency of vibration along a given coordinate, a pendulum mounted on said relatively large mass, a relatively small eccentric mass adapted to rotate about an axis parallel to the axis of oscillation of said pendulum and passing through the center of percussion of said pendulum, and means for rotating said relatively small mass.

2,238,117

ULTRA HIGH FREQUENCY MODULATOR

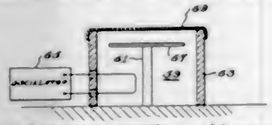
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application September 30, 1938, Serial No. 232,629, which is a division of application Serial No. 156,054, July 28, 1937. Divided and this application January 31, 1940, Serial No. 316,623

4 Claims. (Cl. 179—171.5)

1. An ultra high frequency modulator including a concentric resonant line having an inner member, an outer member, an armature secured to said inner member, a vibratable diaphragm

adjacent said armature and connected to said outer member, a source of ultra high frequency



currents, and means coupling said source to said concentric line.

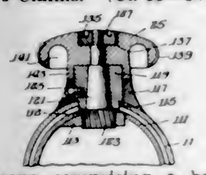
2,238,118

ADJUSTING MEANS FOR TELESCOPES

Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware

Original application February 4, 1938, Serial No. 188,595. Divided and this application November 17, 1938, Serial No. 241,011

5 Claims. (Cl. 88—32)



1. A telescope comprising a barrel, an adjustable support for an optical element in the barrel, said barrel having a lateral opening, a sleeve secured on said barrel at said opening and communicating therewith, a bushing secured in said sleeve and opening at one end upon said barrel and at the other end outwardly of said sleeve, adjusting means journaled in said bushing and cooperatively associated with said adjustable support within the barrel, said means having a portion extending in said opening and a portion exposed outwardly of said bushing, and adapted for manipulation from outside of the barrel to move the adjustable support within the barrel, and means forming an annular dependent skirt on the outwardly exposed portions of said adjusting means in position to snugly embrace and ride upon the outer cylindrical surfaces of said bushing whereby to prevent the entrance of foreign matter into the barrel between the adjusting means and said bushing.

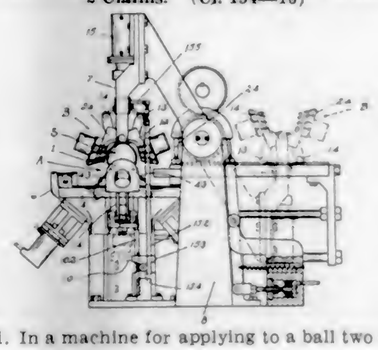
2,238,119

BALL-COVERING MACHINE

Albert Fehr Larabee, Greensburg, Pa., assignor to Pennsylvania Rubber Company, a corporation of Pennsylvania

Application May 23, 1940, Serial No. 336,759

2 Claims. (Cl. 154—16)



1. In a machine for applying to a ball two complementary cover parts of Cassinian outline that includes two press parts each consisting of a plurality of hinged-together blocks adapted to open and close upon a contained ball, a carrier in which one of said press parts is mounted, by the movement of which carrier the part mounted in it is brought from a remote position to a position of co-operation with the other part, means for synchronizing the closing movements of the blocks of the two said press parts, such means including two racks severally connected to the two press parts and a gear wheel simultaneously engaging the two racks, the carrier-borne press part coming to operative connection with its appropriate rack as the arm comes to such position of co-operation.

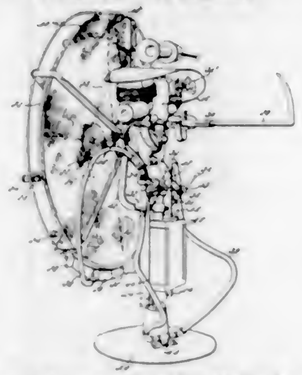
2,238,120

SPRAYING DEVICE

Raymond H. Launder, Wabash, Ind.

Application August 26, 1939, Serial No. 292,001

6 Claims. (Cl. 261—30)



1. A distributor for liquid insecticide comprising, a portable supporting standard, a carrier supported by said standard to be swingable about a substantially vertical axis fixed relative to the standard, a second carrier mounted on the first carrier and swingable about a substantially horizontal axis offset from the axis of the first carrier, a shaft journalled in the second carrier on an axis at right angles to the axis of the second carrier, a fan carried by said shaft and formed to develop an air blast generally in line with the shaft, a plurality of spray nozzles in front of the fan directed in the general line of the fan blast and carried by the second carrier and movable as a unit only with said second carrier, a conduit through which a liquid may be delivered under pressure to said spray nozzles, means by which the second carrier may be swung about either or both of the carrier axes, and means by which the fan shaft may be rotated without causing movement of the nozzle group, the axis of said second carrier being disposed between said fan and the axis of said first carrier, whereby the vertical range of movement of said second carrier is increased.

2,238,121

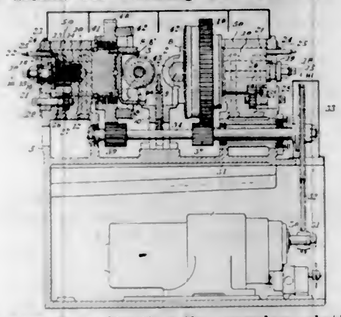
ROLLING MACHINE

Jacob T. Leech, Beaver, Pa., assignor to Taylor-Wilson Manufacturing Company, McKees Rocks, Pa., a corporation of Pennsylvania

Application October 4, 1938, Serial No. 233,211

8 Claims. (Cl. 80—22)

1. In a cross rolling machine of the character described, the combination of a frame, a pair of trunnions rotatably mounted in the frame, each trunnion extending forwardly from its mounting toward the other and forming cantilever mountings, a yoke removably mounted on and carried by the forward end of each trunnion, a double-necked cross roll carried by each yoke, means for rotating the trunnions about



their axes for adjusting the angular relationship of the rolls, means for adjusting at least one of the trunnions toward and away from the other, and means rotatably mounted on said trunnions for driving the rolls, said yokes and the rolls carried thereby being removable from the machine without removing the trunnions, and a vibration dampening saddle cooperating with the forward ends of said trunnions.

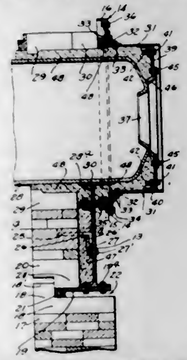
2,238,122

FURNACE WALL STRUCTURE

Michael Liptak, St. Paul, Minn.

Application January 20, 1939, Serial No. 251,955

6 Claims. (Cl. 110—97)



1. In a wall structure of the kind described, a lower main wall capped by sill tiles, a girder extended above said sill tiles and having a projecting shelf spaced vertically from said sill tiles, lintel tiles carried by said shelf, said sill and lintel tiles having overlapping vertically extended portions affording an expansion joint, a super wall structure built upon and including said lintel tiles, a boiler drum extended through said wall and supported on said girder and projecting outward beyond the latter, a casing supported by said girder and surrounding the outer end of said drum with clearance, and a diaphragm secured in the outer end of said casing and adapted to hold insulating packing against the outer end of said drum.

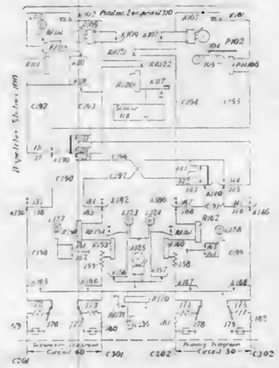
2,238,123

SIGNALING SYSTEM

Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 21, 1939, Serial No. 269,140

3 Claims. (Cl. 177—360)



1. In a telegraph system, a sending station, a plurality of receiving stations, position equipment at each of said stations, a primary telegraph circuit including a source of current connecting the position equipment at said stations in series circuit relationship, said primary telegraph circuit including a number of primary telegraph lines arranged in series circuit relationship and respectively extending between adjacent ones of said stations, a secondary telegraph circuit including a source of current connecting the position equipment at said stations in series circuit relationship, said secondary telegraph circuit including a number of secondary telegraph lines arranged in series circuit relationship and respectively extending between adjacent ones of said stations, a common conductor extending between each two of said stations, the position equipment at adjacent ones of said stations being operable selectively to complete alternative primary and secondary telegraph circuits respectively excluding the primary and secondary telegraph lines extending between said adjacent stations and respectively including said common conductor extending between said adjacent stations, a sending device included in the position equipment at said sending station and adapted selectively to be operatively associated with said primary and said secondary telegraph circuits, and a receiving device included in the position equipment at each of said receiving stations and adapted selectively to be operatively associated with said primary and said secondary telegraph circuits.

2,238,124

BRAKE

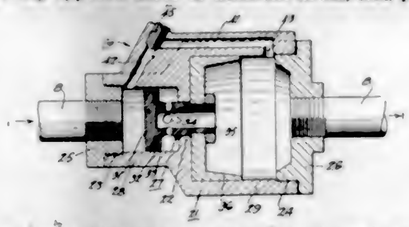
Andrew C. Mathieson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 17, 1938, Serial No. 246,360

3 Claims. (Cl. 303—84)

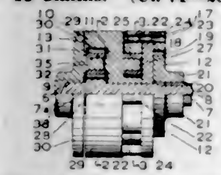
1. A hydraulic brake system comprising a master cylinder, wheel cylinders, a plurality of conduits connecting said master cylinder and wheel cylinders, and a safety device in each of the conduits comprising a casing formed with cylinders of different diameters and with a partition be-

tween the cylinders and having arranged therein a piston device having parts of different diameters in said cylinders and having a connecting portion passing through said partition, said parts having opposed faces of different areas, said pis-



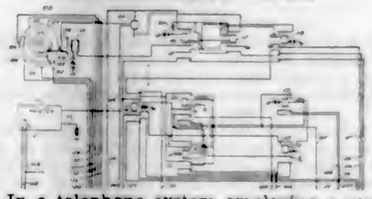
ton device having a passage therethrough normally connecting said cylinders, and said part of smaller diameter being provided with a packing arranged to seal upon said partition and contacting said partition on the side toward said master cylinder and closing said passage.

2,238,125
TORQUE CONVERTING MECHANISM
Howard J. Murray, New York, N. Y.
Application September 21, 1939, Serial No. 295,864
13 Claims. (Cl. 74—259)



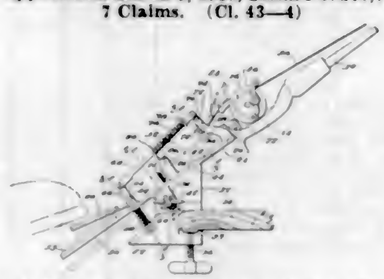
1. In a speed-torque transforming drive control organization, the combination of a pair of rotors in drive relation, rotatable non-friction slip-drive means including rotatable and revolvable elements differentially drive connected to the rotors for deriving control power from same for normally causing one of the rotors to positively drive the other, and remotely controlled rotatable and revolvable camming means operatively associated with the slip-drive means to resist the slip-drive action of same according to the speed of one of the rotors and the drive resistance of the other for causing the slip-drive means thereby to derive additional control power from the rotors for intensifying the action of the said slip-drive means.

2,238,126
TROUBLE RECORDER
Oscar Myers, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,473
18 Claims. (Cl. 179—175.21)



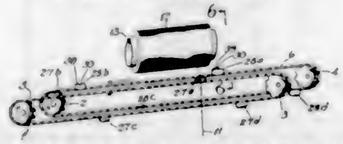
1. In a telephone system employing a control device, a trouble indicator comprising a plurality of lamps indicating trouble conditions in said control device, and means for making a record of the lamps lighted in response to a trouble condition comprising a plurality of conductors connected in parallel with said lamps, means for grounding said conductors in accordance with the trouble condition, a cross-bar switch having cross-points corresponding to said conductors, means for closing the cross-points corresponding to the grounded conductors, means for preparing circuits for operating one or more character relays over the closed cross-points, a teletype sender, a teletype printer controlled thereby, and means to complete circuits for said character relays to control said teletype sender.

2,238,127
FISHING ROD SUPPORT
Laurence F. Nissen, Dorchester, Mass.
Application March 9, 1939, Serial No. 260,770
7 Claims. (Cl. 43—4)



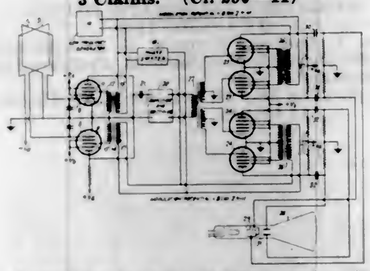
1. A fishing rod support comprising a rigid rod supporting member adapted to receive and clamp the handle of a fishing rod in a normally inclined position, a second member capable of being clamped to the seat or other portion of the boat and upon which the rod supporting member is pivoted to permit the rod supporting member to be rocked upwardly when the rear portion of the rod supporting member is engaged by the foot of the fisherman, said second member cooperating with the rod supporting member to prevent the latter from being rocked downwardly beyond its normal position.

2,238,128
WINDING APPARATUS
Roland Roswell Nydegger, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 20, 1938, Serial No. 235,924
5 Claims. (Cl. 242—43)



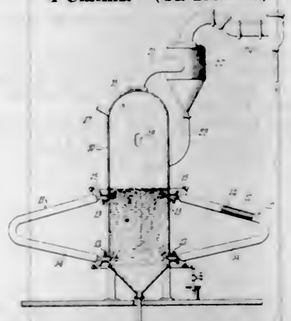
1. In an apparatus for the winding of yarns, a rotatable yarn supporting element, a yarn traversing mechanism comprising a plurality of yarn carrying members adapted to travel in opposite directions adjacent to said element and in lines substantially parallel to the axis thereof, said members having a slotted central portion and sides inclined to the direction of movement of the members whereby the passage of two oppositely traveling members will disengage the yarn from one member and cause the engagement of the yarn by the other member.

2,238,129
DIRECTIONAL RADIO RECEIVER
Hans Erich Paul, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 25, 1937, Serial No. 150,267
In Germany May 14, 1936
3 Claims. (Cl. 250—11)



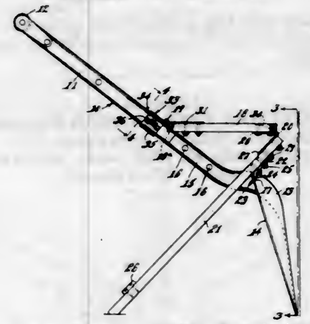
1. A directional radio receiving system having two differently oriented directional antennae for the collection of high frequency energy, means for separately modulating the energy collected by each antenna, means for maintaining a phase difference between the modulations of the energies collected by different antennae, an indicating device comprising a cathode ray tube having an electron gun for producing a "spot" on a fluorescent screen, and having horizontal and vertical beam deflecting means for causing the "spot" to trace a two-dimensional pattern on said screen, and indicating means including separate circuits to said deflecting means, one circuit constituting means operative in dependence upon the strength of the energy collected by one said antenna for controlling the horizontal deflecting means, the other circuit constituting means similarly operative in respect to the energy collected by the other antenna for controlling the vertical deflecting means, whereby the direction from which the high frequency energy is received is caused to be indicated.

2,238,130
CONCENTRATOR
Herman Walter Paulus, St. Albans, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application March 2, 1938, Serial No. 193,422
4 Claims. (Cl. 159—23)



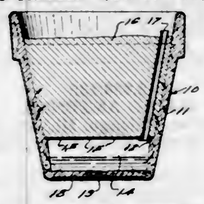
1. A concentrator comprising in combination a vertical concentrator body of substantially uniform cross section, the lower part being adapted to contain a liquid and the upper part constituting a vapor chamber including an outlet, said lower part being provided with upper and lower headers, a heat exchanger positioned without and in communication with said concentrator body through said headers and consisting of a plurality of tubes running continuously from the lower header to the upper header, and means for heating said tubes.

2,238,131
COMBINATION SHOVEL AND CHAIR
Alfred E. Pickard, Mount Vernon, Ill.
Application April 22, 1939, Serial No. 269,379
7 Claims. (Cl. 155—143)



1. A chair attachment for shovels including a seat having means for pivotal connection at one end with the back of the handle of the shovel and a brace pivotally connected to the other end of the seat and having means near the upper end thereof to engage and rest on the back of the blade of the shovel.

2,238,132
FLOWERPOT
Henry T. Ritter, South Rockwood, Mich.
Application February 15, 1939, Serial No. 256,541
5 Claims. (Cl. 47—38)

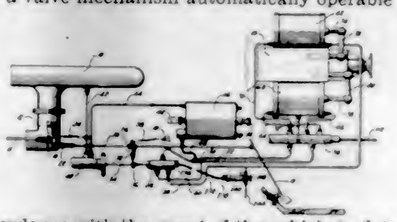


2. A flowerpot made of ceramic material having the sides and bottom of predetermined thickness, said container having an area of reduced thickness to permit the passage of moisture more readily therethrough and which may be removed to form an aperture.

2,238,133
TRANSMISSION MECHANISM
Roy S. Sanford, New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application September 27, 1935, Serial No. 42,419
5 Claims. (Cl. 192—.01)

1. In an automotive vehicle including an engine intake manifold, a clutch, transmission mechanism, and a free-wheeling unit, means operable by the vacuum in said manifold to successively throw out said clutch, throw said free-wheeling unit from locked-out to free-wheeling position, and actuate the gears of said transmission, said means including a plurality of pressure

differential operated motors, and further including a valve mechanism automatically operable in



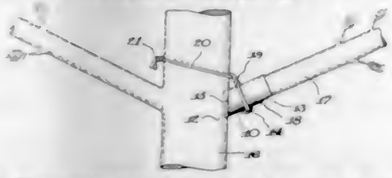
accordance with the speed of the vehicle to determine the operation of said transmission operating mechanism.

2,238,134

CHRISTMAS TREE BRANCH HOLDER

Robert J. Schoen, Milwaukee, Wis.

Application July 15, 1939, Serial No. 284,736
1 Claim. (Cl. 248—42)



A Christmas tree branch holder and the like, comprising a longitudinally split contractible resilient sleeve adapted to fit over the butt end of a tree branch and pronged for piercing the side wall of the trunk of the tree, said sleeve having an exterior wire-confining loop intermediate its ends, and a bendable wire passing through said loop and having an intermediate portion adapted to be wrapped about said sleeve for contracting and clamping said sleeve on said branch, said wire having end portions adapted to be wrapped about said tree trunk adjacent to the upper portion of said sleeve for securing said sleeve to said trunk.

2,238,135

RADIO ANTENNA

Max A. Schwartz, Chicago, Ill., assignor to Century Radio Aerial, Inc., a corporation of Illinois

Application March 9, 1940, Serial No. 323,103
9 Claims. (Cl. 250—33)



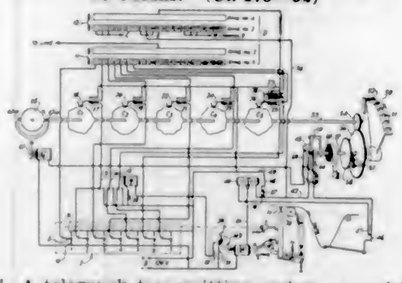
1. An antenna including an anchoring block having a bore at one end, a conductor rod embedded in a filling in the bore of the block and a brace having a clamp at one end with an insulation sleeve gripping the rod and slidable along the same, and a terminal connected to the block and rod at the bore for connection to a receiving set.

2,238,136

AUXILIARY TELEGRAPH SIGNAL TRANSMITTER

James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 28, 1938, Serial No. 210,669
12 Claims. (Cl. 178—52)



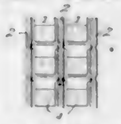
1. A telegraph transmitting system comprising a line, a code impulse distributor having at least seven code-element circuit terminals and means for sequentially connecting the same to said line, transmitting means for impressing upon said terminals traffic code signals of the type wherein a fixed ratio is maintained between the number of marking elements and the number of spacing elements of each code signal, a perforated tape and tape feeding device for controlling said transmitting means, impulsing means associated with said distributor for producing a step-by-step operation of said tape feeding device, manipulative means for starting and stopping said tape feeding device, and means under control of said manipulative means for causing an idle-time signal to be transmitted during relatively long inactive periods of said tape feeding device, said idle-time signal being characterized by a number of marking and spacing impulses the ratio between which is the same as the afore-mentioned fixed ratio.

2,238,137

METHOD OF PROJECTING ELECTRICAL RECORDINGS

Heinrich Strübig, Teltow, near Berlin, and Rolf Colberg, Berlin, Dahlem, Germany, assignors to the firm of Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany

Application October 8, 1937, Serial No. 168,090
In Germany October 15, 1936
7 Claims. (Cl. 178—7.5)



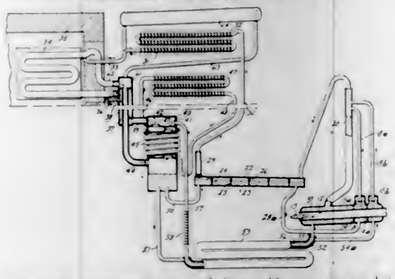
1. In a system for television reception having a screen whose light transmitting ability varies in response to electron bombardment, the method of operating such system comprising scanning said screen with a modulated cathode ray to build up a screen controlling charge image on said screen with primary electrons, binding the charge image elements of said charge image for substantially a complete scansion of said screen, and subsequently erasing said controlling image with secondary electrons.

2,238,138

REFRIGERATION

Robert S. Taylor, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Original application May 12, 1939, Serial No. 273,195. Divided and this application April 24, 1940, Serial No. 331,290
3 Claims. (Cl. 62—119.5)



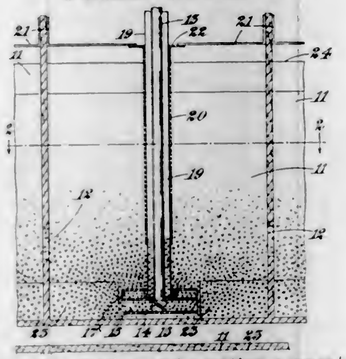
1. In an absorption refrigerating apparatus, a generator including a plurality of vapor liquid lifts, an analyzer, an absorber, means for conducting weak absorption liquid from said generator to said absorber, means for conducting a portion of the strong absorption liquid from said absorber in heat exchange relation with said weak absorption liquid to one of said lifts, means for conducting another portion of said weak absorption liquid from said absorber to said analyzer, means for conducting liquid from said analyzer to another of said lifts, and means for conducting vapor from said generator to said analyzer.

2,238,139

AGITATION AND AERATION APPARATUS

Stanley Tucker, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

Application February 15, 1940, Serial No. 318,988
In Great Britain March 22, 1939
8 Claims. (Cl. 261—93)



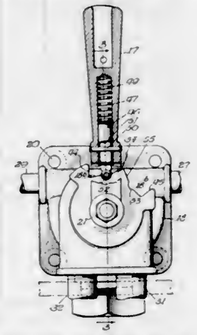
1. In an agitation and aeration apparatus the combination of an agitation vessel, a downwardly extending rotatable shaft dipping thereinto, an agitator on the shaft comprising a plurality of liquid-agitating blades and means to support the blades from the shaft so that their inner ends are spaced away from the shaft, a stationary downcast air tube surrounding the shaft with its lower end entering the space inside the inner ends of the blades, and an annular shield above and covering the blades provided with a central aperture surrounding and spaced from the air tube so as to allow a liquid-circulation space between the edge of the aperture in the shield and the outside of the air tube.

2,238,140

TRACK SANDING EQUIPMENT

Guilford S. Turner, Berwyn, Ill., assignor to Morris B. Brewster Co. Inc., Chicago, Ill., a corporation of Illinois

Application May 4, 1940, Serial No. 333,295
3 Claims. (Cl. 291—16)



1. In controlling mechanism for a sand-trap provided with an air nozzle for discharging sand from the trap for application to a rail and a duct for a momentary clean-out blast of sand, the combination of a valve-casing, means for supplying air under pressure to the casing, a movable valve-element in the casing, the casing and said element being provided with means for successively controlling the supply of air to the nozzle and to the clean-out duct, said element being movable from a normal position to cut off the supply of air to the nozzle and said duct to a sanding position for delivering air only to the nozzle and being adapted, in an intermediate position, to open the supply of air to the clean-out duct, a lever for manually shifting said element, and means for automatically shifting the lever and said element out of the intermediate position either to the closed position or the sanding position for preventing the element from continuing the supply of air to the clean-out duct when the lever is released, said means being adapted to hold the lever in sanding position.

2,238,141

PROCESS OF STABILIZING COMPOSITE ARTICLES OF CELLULOSE MATERIAL AND NEOPRENE BY THE ADDITION OF FLUORIDES AND PRODUCTS RESULTING THEREFROM

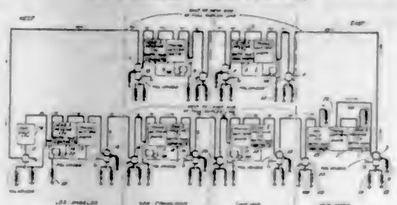
Herbert W. Walker, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 29, 1938, Serial No. 205,011
15 Claims. (Cl. 91—68)

6. A composite article comprising a cellulose material, a chloro-2-butadiene-1,3 polymer com-

position in contact with the cellulose material, and a fluoride, capable of reacting with hydrochloric acid, so located within the article as to react with any hydrochloric acid evolved from said chloro-2-butadiene-1,3 polymer before substantial degradation of the cellulose material by such hydrochloric acid occurs.

2,238,142
TELETYPEWRITER SWITCHING SYSTEM
Allan Weaver, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1939, Serial No. 284,404
13 Claims. (Cl. 178—2)



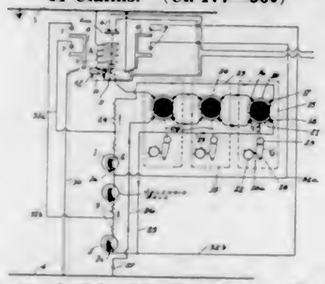
1. A permutation code system having a station equipped with a transmitter-distributor for transmitting permutation code signals and a telegraph machine having a plurality of instrumentalities, means for selectively and individually operating said instrumentalities, starting means for starting the transmitter-distributor, a control circuit extending from the telegraph machine and normally open at more than one point, preparatory means for closing at least one of the normally open points of the control circuit, means for operating said preparatory means in response to the operation of a preassigned group of said instrumentalities, and control means for completing the closure of the control circuit for causing the starting means to start the transmitter-distributor after at least one normally open point of the control circuit has been closed by the preparatory means.

2,238,143
PHOTOELECTRIC SOUND REPRODUCER
John F. Wein, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1939, Serial No. 297,261
2 Claims. (Cl. 179—100.3)



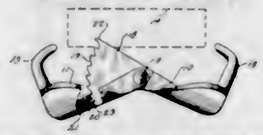
1. In a sound reproducing apparatus including means for moving a film past a translation point, means for directing light through the film, and a photocell adapted to receive light passing through the film, an optical system for directing light from the film to the photocell, said optical system being mounted on a bracket, said bracket being adjustable for movement of the optical system laterally of the film, the adjusting means for said bracket including pins in a fixed member cooperating with keyways in said bracket for maintaining the bracket in alignment, a screw for moving said bracket along said keyways, and a screw for clamping said bracket to said fixed member.

2,238,144
ALARM SIGNAL SYSTEM
John H. Wheelock, Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application June 22, 1936, Serial No. 86,512
11 Claims. (Cl. 177—360)



1. In an electric signaling system, the combination with transmitting stations including contacts with connections therebetween movable upon actuation of a station, signals, a resistance between said contacts and signals, a controller having a winding in a closed supervisory circuit including said station contacts, signals and resistance, and signal energizing circuits including normally open contacts operable by said controller, with the flow of supervisory current through said controller winding being insufficient to cause closure of its contacts, or to operate said signals, of means responsive to movement of the contact connections of an actuated station for removing said resistance and signals from the supervisory circuit to fully energize said controller winding and cause its contacts to close said signal circuits.

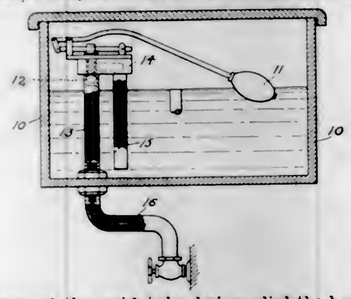
2,238,145
TANK TRAP
Ace W. Woolley, Longmont, Colo.
Application March 1, 1940, Serial No. 321,700
4 Claims. (Cl. 89—1)



1. A device for the purpose specified, in combination, two elongated jaws connected for pivotal movement, each jaw having a convex supporting surface and an upwardly and inwardly curved end, and means comprising a pawl and ratchet mechanism for resisting movement of the jaws to open position while permitting them to move to closed position.

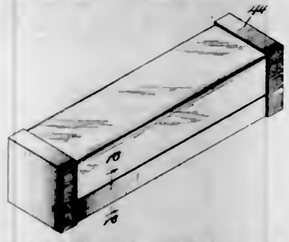
2,238,146
DEVICE FOR SILENCING THE FLOW OF WATER IN CONDUITS
Morris Yavitch, Los Angeles, Calif.
Application February 28, 1940, Serial No. 321,247
6 Claims. (Cl. 137—111)

1. A silencer for the flow of water in a pipe which comprises a helical coil of a wire-like rod, the convolutions of the coil being spaced slightly from one another to leave a narrow passage for water, and a tube of ductile metal surrounding the coil and leaving a narrow tubular space between the coil and the tube, said silencer being adapted to be inserted into a pipe wherein water may flow under pressure, the outer di-



ameter of the said tube being slightly less than the inner diameter of the pipe so that a narrow tubular space is provided between the tube and pipe, the arrangement being such that, when the silencer is positioned within the pipe and the water is turned on, the water flows in three coaxial streams and in a plurality of transverse streams between the convolutions of the coil.

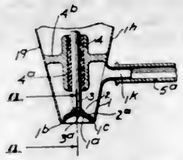
2,238,147
BOX
Lewis Douglas Young, Providence, R. I., assignor to Douglas Young, Inc., a corporation of Rhode Island
Application June 25, 1937, Serial No. 150,216
2 Claims. (Cl. 206—44)



1. A removable box cover having an open side comprising a rectangular flat sheet of transparent material folded so as to provide a top and downwardly extending side walls only, two opaque end walls each having flanges extending along said top and said side walls, a separate closed rectangular stiffening strip extending along the lower edge portion of said side walls and along the lower portions of the end walls, and means for securing said parts in such relationship.

2,238,148
SHAVER
Oswald F. Zahn, San Diego, Calif.
Application September 13, 1938, Serial No. 229,687
8 Claims. (Cl. 30—43)

1. In a shaver of the class described, the combination of a shaver head provided with an elongated concave portion with a substantially rectangular face engaging edge provided with hair receiving openings therein, all of which are spaced inwardly from said edge and said shaver head being wholly air tight surrounding said openings and edge and a shaver blade shiftably



mounted in contact with the inner side of said concave portion.

2,238,149
PROCESS FOR IMPROVING THE STABILITY OF HYGROSCOPIC SUBSTANCES
Emil Aeckerle, Ludwigshafen-on-the-Rhine, Germany
No Drawing. Application October 27, 1938, Serial No. 237,367. In Germany November 2, 1937
3 Claims. (Cl. 23—243)

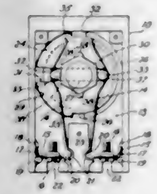
1. A process for reducing the caking tendencies of hygroscopic, pulverulent compounds which absorb moisture and tend to cake when exposed to moist air, which comprises thoroughly mixing with such a compound finely-divided, substantially anhydrous calcium citrate in quantity sufficient to substantially reduce the caking tendency thereof.

2,238,150
CONE DIPPER
Anthony C. Aquara, Swissvale, and Andrew W. Visnansky, North Braddock, Pa.
Application May 8, 1940, Serial No. 334,024
1 Claim. (Cl. 107—48)



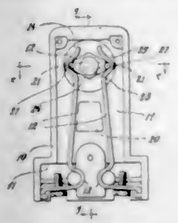
A cone dipper of the character described comprising the combination of a manipulating handle, a segmental cone-shaped scoop member attached to said handle, a pair of shaping blades pivotally connected with said handle and having a common pivotal connection with said member, said blades being normally disposed against the respective side edges of said member, a gear mechanism mounted in said handle operable for simultaneously shifting said blades in opposite directions relatively to each other, manually operated means for actuating said mechanism to shift said blades to positions opposed to said member, and automatically operable means for actuating said mechanism to return said blades to the normal positions against the side edges of said member.

2,238,151
SOCKET
Milton Alden, Brockton, Mass.
Application May 3, 1940, Serial No. 333,086
8 Claims. (Cl. 173—328)



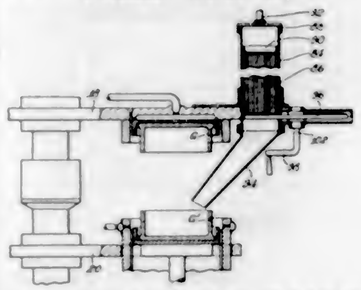
1. A socket of the character described comprising an insulating housing having a groove at one edge and a tube supporting member rotatably mounted in the housing and provided with a transverse groove and a spring contact member mounted in said housing alongside of said support and adapted to be engaged by a prong when inserted into the groove in said support and said support is rotated, said transverse groove being of a width not substantially in excess of the diameter of a prong, whereby said transverse groove guides said prong until it seats at the bottom of the groove, and said tube supporting member when rotated carrying said prong in an arc about the axis of rotation of said supporting member so as to cause electrical engagement between said prong and said spring contact member.

2,238,152
SOCKET
Milton Alden, Brockton, Mass.
Application September 5, 1940, Serial No. 355,414
6 Claims. (Cl. 173—328)



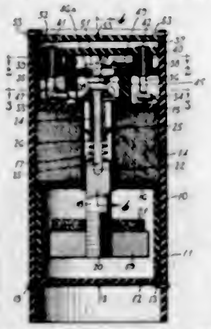
3. A tube socket comprising a body containing oppositely positioned spring contact arms having pockets for receiving tube prongs, the walls of each pocket being V-shaped and a slotted rotor mounted in the socket between the spring contact arms and adapted to be rotated from an "off" to an "on" position by the rotation of a tube having spaced prongs when said prongs are slid sidewise into the rotor slot, said rotor having a hub with abutments normally fitting in said pockets in the "off" position of said rotor, said hub being of materially less diameter across said abutments than the distance from the outside of one prong to the outside of the opposite prong of the tube so that when the tube is rotated slightly less than 45 degrees or slightly more than 45 degrees from the "off" position the spring contact arms will rotate the rotor either back to the "off" position or to the "on" position, said body having a single slot at one end leading to the slot in the rotor when said rotor is in the "off" position.

2,238,153
METHOD FOR MAKING HOLLOW GLASS BUILDING BLOCKS
Henry H. Blau, Charlerol, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 3, 1938, Serial No. 193,703
4 Claims. (Cl. 49—82)



2. The method of making hollow glass building blocks from a pair of flanged halves thereof, comprising positioning the halves with the edges of their flanges opposed to but spaced from each other, supplying to the interior of at least one of the halves a material in solid form but which under atmospheric pressure and at and above a temperature of —15° F. is a gas having a molal heat capacity of at least 8, maintaining said halves at a temperature sufficiently high to gasify said solid, and then sealing the flanges of the halves together to form a hollow block having some of the gasified material therein.

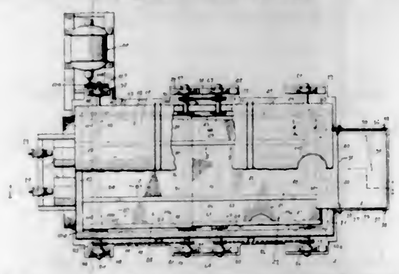
2,238,154
RELAY
Elmer Severin Borgkvist, Arlington, N. J.
Application February 6, 1939, Serial No. 254,812
2 Claims. (Cl. 200—111)



1. In a relay of the class described having a magnetic coil for actuation of an armature rod, both encased in an insulating housing forming chambers in both ends thereof, the combination of a movable switch member comprising a bar bearing switch elements yieldingly connected to one end of said rod for longitudinal movement only, said bar being approximately the same width as said rod, a weight adjustably connected to the opposite end of said rod, a fixed contact mounting comprising inner and outer insulating discs spaced apart said inner disc having points to contact said switch elements on said bar, parallel projections formed integrally with said inner disc and extending toward the adjacent

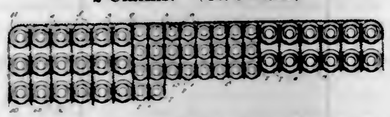
end of said coil said projection being positioned either side of said movable switch member to prevent rotation of the latter and permit longitudinal movement of the same therebetween and to form a chamber between said guide members and said housing, connections from said coil extending from the end of said coil adjacent said guide members and through said chambers and end caps on both ends of said housing.

2,238,155
APPARATUS FOR SEPARATING METALS AND ALLOYS
William B. Cohen, Elizabeth, N. J.
Application January 31, 1940, Serial No. 316,487
8 Claims. (Cl. 266—33)



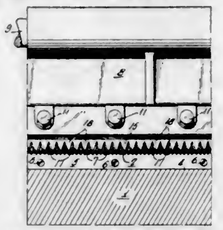
1. Apparatus for separating a metal or alloy having a low melting point from one having a higher melting point comprising a furnace chamber having a discharge end with an opening in the lower portion thereof and an intake end opposite said discharge end with an opening in the upper portion thereof, a heating source in the upper portion of the discharge end of said chamber, metal feeding means on the intake end of said chamber substantially in alignment with said heating source and communicating with said intake opening, said metal feeding means being adapted to receive heat from said heating source to melt said metal or alloy therein having a low melting point before it enters said furnace chamber, a plurality of shaker trays each having a foraminous bottom sloping downwardly from said intake opening to said discharge opening, and a vibrating mechanism adapted to act simultaneously on each of said shaker trays adjacent both ends thereof to impart a vigorous vertical up and down movement simultaneously to both ends to jar said trays and separate the molten metal from the non-molten metal and induce lateral progression of the non-molten metal through the furnace chamber.

2,238,156
SPRING STRUCTURE FOR MATTRESSES
Lloyd O. Colner, Carthage, Mo., assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo.
Application June 15, 1940, Serial No. 340,804
2 Claims. (Cl. 5—248)



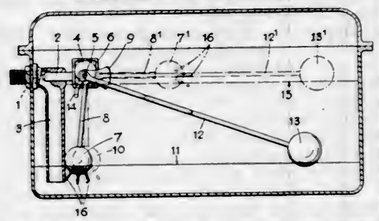
2. In a mattress of the type described, like head and foot sections each comprising a series of vertically disposed relatively heavy spiral springs, an intermediate section having a larger number per unit area of relatively light weight vertically disposed spiral springs to increase the resilience of the intermediate section, the corresponding top and bottom convolutions of adjacent springs being disposed adjacent each other, and a series of top and bottom transverse small diameter coil springs disposed between each row of vertically disposed spiral springs and engaging the overlying portions of the top and bottom convolutions of adjacent springs respectively.

2,238,157
MECHANISM FOR PRODUCING PERFORATED WEBS
Wesley S. Corbin, Ridley Park, Pa., assignor to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania
Original application April 1, 1939, Serial No. 265,561. Divided and this application April 4, 1940, Serial No. 327,907
4 Claims. (Cl. 164—99)



1. In perforating mechanism, the combination with a peripherally recessed rotary drum constituting a support for a moving web of paper or like sheet material, of a perforating blade operating in synchronism with the movement of the drum and arranged to enter said recess and to thereby perforate the web, and means at opposite sides of said recess for positively anchoring the web to the drum during the perforating operation.

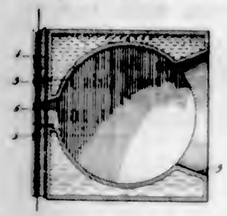
2,238,158
FLOAT-ACTUATED VALVE FOR FLUSH TANKS
Roland Claude Cross, Bath, England
Application October 24, 1940, Serial No. 362,644
5 Claims. (Cl. 137—104)



1. A float-actuated valve device including a valve, a main float mounted on a pivoted arm for actuating the valve, a balance weight associated with the arm and arranged to move the main float and its said arm past a dead centre position when the float falls to a predetermined low level for the purpose of retaining it at said low level, an auxiliary float movable independently of the main float, a releasing element controlled by said auxiliary float and adapted to engage the main float arm to release it through dead centre when the auxiliary float reaches a predetermined higher level, the valve remaining

fully open until closed by the rise of the main float on such release by the releasing element, and damping means associated with the main float and its arm to retard its upward swing and avoid a concussive closing of the valve.

2,238,159
DEVICE FOR PREVENTING OVERHEATING IN CINEMA PROJECTION APPARATUS
Agostino D. Derossi, Turin, Italy, assignor to Soc. An. Microtecnica, Turin, Italy, a corporation
Application May 9, 1939, Serial No. 272,690
In Italy May 14, 1938
1 Claim. (Cl. 88—17)



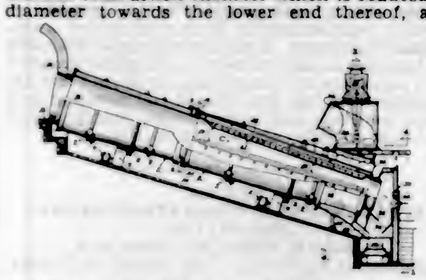
A device for preventing heating of the film-guide support in cinematographic projection apparatus which comprises a screen device interposed between a source of light and said support and arranged, in ray-intercepting relationship, in the path of all light rays coming from said source except those rays which impinge on the subject to be projected, whereby the heat of said intercepted rays is absorbed by said screen device, said device consisting essentially of a hollow chamber having a truncated-conical passageway therethrough, said passageway being intersected transversely by a cylindrical cavity adapted to house a conventional light shutter of the cylindrical type, cooling means in said housing around said passageway and cavity, means to effect circulation of said cooling means, and means to indicate such circulation.

2,238,160
METHOD OF MAKING NICKEL-CHROMIUM ALLOYS
Ernest Floyd Doom, New Rochelle, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application January 31, 1939, Serial No. 253,733
1 Claim. (Cl. 75—171)

Method of making nickel-chromium alloys containing at least 60% nickel and over 10% chromium without prolonged superheating of the principal part of the nickel, which comprises reducing oxides of nickel and chromium in proportions to yield an alloy containing between 10% and 24% nickel and the remainder chromium, and tapping such alloy and adding it to a bath of nickel held at a temperature between about 1650° C. and the melting point of the nickel.

2,238,161
TANDEM ROTARY INCINERATOR
William F. Drew and Harry O. Duerr, Los Angeles, Calif.
Application April 23, 1938, Serial No. 203,919
9 Claims. (Cl. 110—14)

1. A tandem rotary incinerator including inclined, tubular, rotary and contiguous shells having bores which vary in diameter and provide a tandem combustion chamber which is reduced in diameter towards the lower end thereof, and



means for joining said shells, and means for rotating said shells at different speeds.

2,238,162
WRINGER ATTACHMENT FOR TUBS
David J. Dorsey, Port Arthur, Tex.
Application May 18, 1939, Serial No. 274,452
1 Claim. (Cl. 68—243)



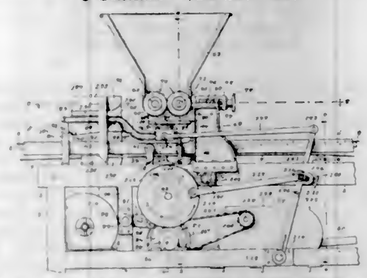
A wringer attachment for wash tubs comprising a post vertically split from end to end and including a pair of complemental half sections, the lower portions of said sections for the reception of the upper portion of a wash tub therebetween, one of the sections having a transverse recess therein for the reception of a bead on the tub, and means for drawing the sections together for clamping the tub therebetween for mounting the post on said tub.

2,238,163
CAR CONSTRUCTION
Otho C. Duryea, Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del., a corporation of Delaware
Application February 8, 1940, Serial No. 317,963
5 Claims. (Cl. 213—8)



1. In a railway car underframe, the combination of a body bolster, a draft and buffing column movable longitudinally of the car relative to said bolster, a coupler mounted at the end of and operatively connected to said column for movement therewith, and cushioning means disposed between said bolster and coupler for resisting draft and buffing shocks and comprising a bar having its outer end arranged to be engaged by said coupler and movable inwardly thereby on inward movement of said coupler and column, means on said bar to engage said bolster and hold said bar against movement on outward movement of said coupler and column, a housing normally engaging said bolster and having an opening through which said bar extends, stop means on said column to engage and move said housing outwardly on outward movement of said column, said bar having friction surfaces adjacent said housing, the friction surfaces of said housing being inclined with respect to the friction surfaces of said bar, friction shoes interposed between said friction surfaces of the bar and housing, and resilient means interposed between the outer end of said bar and the outer sides of said friction shoes.

2,238,164
METHOD AND MACHINE FOR MANUFACTURING MARSHMALLOWS, OTHER CONFECTIONS, AND FOOD PRODUCTS
Edward H. Edwards, Chicago, Ill.
Application February 12, 1940, Serial No. 318,621
8 Claims. (Cl. 107—54)

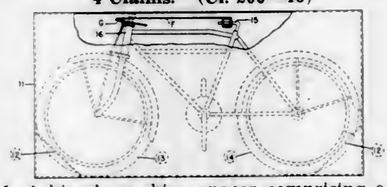


1. In a machine for making confectionery and other food products of constituent materials of similar original plastic consistencies, a supply container for the constituent material, said container having feeder means for intermittently expressing a predetermined quantity of the material through and from a definitely restricted outlet orifice at the bottom of the container, a conveyor traveling intermittently and normally at a substantial distance beneath said container outlet orifice, timed actuating means for raising and lowering the conveyor during each period of rest in its intermittent travel, whereby the conveyor, just prior to each feeding actuation of the feeder means, is placed in an initial uppermost effective material-receiving position closely adjacent the container outlet orifice, then moves downwardly simultaneously with and at substantially the speed of exudation of the body of material from the outlet orifice at the start of and during the full feeding actuation of the feeder means so as to support the under part of the body of exuded material and maintain the entire body in the form, both longitudinally and transversely, as created only by the expressed passage of the material through the outlet orifice, and after termination of material exudation moves further downward at increased speed away from the body of exuded material and is brought to rest in a position definitely spaced thereunder, whereby the body is left suspended from the outlet orifice, and means operating intermittently for severing the suspended body of exuded material at the outlet orifice.

2,238,165
MANUFACTURE OF TEXTILE AND LIKE MATERIALS
George Holland Ellis and Edmund Stanley, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 9, 1937, Serial No. 163,094. In Great Britain September 19, 1936
10 Claims. (Cl. 91—68)

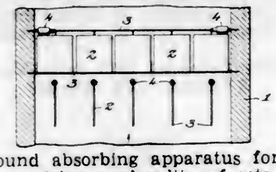
3. Process for the production of improved textile materials, which comprises increasing the water-resistance of a knitted fabric of an organic derivative of cellulose by impregnating the fabric with a dispersion containing rubber, a wax and a soap which is a salt of a solid fatty acid and a volatile base and subsequently decomposing the soap and liberating the base by heating the treated materials.

2,238,166
PACKING SPACER
Thomas H. Gagen, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application May 4, 1939, Serial No. 271,685
4 Claims. (Cl. 206—46)



1. A bicycle packing spacer comprising a stiff sheet material panel substantially the length from front post to rear post of a bicycle to be packed, and substantially the width of a container for said bicycle, a plurality of panels successively transversely hinged to and beyond one end of the first-named panel and adapted for folding into a tubular structure, a panel transversely hinged to the front of said first-named panel and foldable thereupon, and means in each of said folded portions for engagement with the packed bicycle.

2,238,167
APPARATUS FOR PREVENTING OR DIMINISHING SOUND TRANSMISSION
Werner Genest, Berlin-Steglitz, Germany
Application January 10, 1938, Serial No. 184,343
In Germany January 28, 1937
2 Claims. (Cl. 181—46)

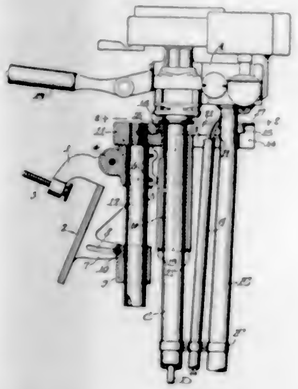


2. A sound absorbing apparatus for flues or shafts, comprising a plurality of sets of sound absorbing devices arranged at different elevations transversely of the flue or shaft, said sets comprising flexible members anchored at their ends to the walls of the flue or shaft and disposed across the flue in angular crossing relation, damping means for connecting said flexible supports to the side walls of the flue or shaft, and sound absorbing plate elements carried by said flexible connections, the sound absorbing elements of one system being arranged at right angles to those of another, and the plates of all systems being arranged parallel to the flow of air or gas in the flue or shaft.

2,238,168
SUPPORT FOR OUTBOARD MOTORS
Walter E. Goodwin, Pittsfield, N. H., assignor to Ethel C. Goodwin, Pittsfield, N H.
Application September 30, 1939, Serial No. 297,406
1 Claim. (Cl. 248—4)

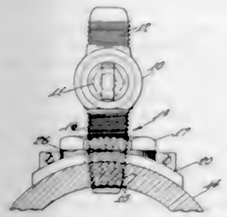
The combination with a transom-engaging

structure having a sleeve, of a shank gripped within the sleeve, a head fixed on the shank, opposed arcuate arms extending from the head and providing a gap between their free ends, said arms and head cooperating to form an arcuate seat extending to the gap, a disk mounted on the seat and having a slot positioned to register with the gap, a member fixed to and depending from the disk at the inner end of the slot, said slot



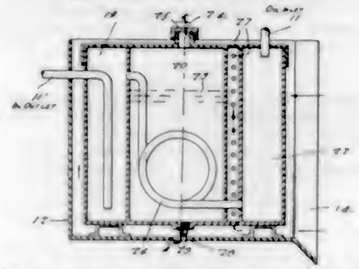
being proportioned to receive the depending portions of an outboard motor when inserted through the gap and longitudinally of the slot, means detachably connected to the depending member and cooperating therewith for embracing and holding a depending portion of an outboard motor, and clamping means carried by the arms for engaging the disk to hold said disk against rotation relative to the arms.

2,238,169
PIPE CONNECTION
Herman B. Heyn and Frank G. Boschke, Pasadena, Calif., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 1, 1938, Serial No. 232,722
3 Claims. (Cl. 285—39)



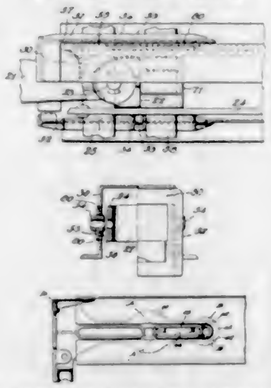
1. A corporation stop for application to a curved wall of a pressure chamber comprising a threaded portion arranged for engagement with said wall, a rigid split yoke having at least one curved major surface, said yoke arranged when assembled to surround the stop and to engage a substantial area of the curved wall of the pressure chamber with the curved surface of said yoke adjacent the curved wall of said pressure chamber, and means threaded on said stop for binding said yoke against said pressure chamber with said curved surfaces in engagement.

2,238,170
OIL COOLER
Jens E. Jensen, Waupaca, Wis., assignor of one-half to Arthur L. Saeck, Waupaca, Wis.
Application July 8, 1940, Serial No. 344,427
3 Claims. (Cl. 257—241)



1. An oil cooler for internal combustion engines comprising a pipe connected to the crankcase of the engine and through which the oil is forced, a tank having a plurality of chambers therein and including a pair of oil chambers, and a cooling chamber having a liquid cooling agent therein, a coil immersed in the cooling chamber connected to both oil chambers, said pipe being connected to one of the oil chambers, a return pipe connecting the other oil chamber to the crankcase, and a partially open casing for receiving and circulating air around said tank.

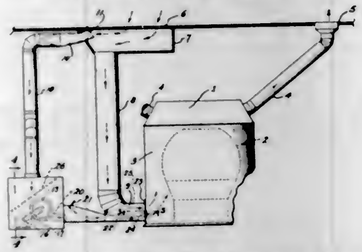
2,238,171
DRAFT ATTACHMENT FOR RAILWAY CARS
George T. Johnson and Harry H. Wolfe, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Original application March 18, 1938, Serial No. 196,775. Divided and this application May 1, 1939, Serial No. 271,198
4 Claims. (Cl. 213—50)



1. In a draft attachment for railway cars, draft sills of Z-section having vertical webs and top abutting flanges, a combined striker and cheek plates formed of cast metal and arranged at one end of said sills, the cheek plates embracing the outer surfaces of said webs and having their marginal edges welded thereto through substantially the entire length of said edges, each cheek plate for substantially its entire length being of about half the height than the web to which it is attached, said striker being in the form of an integral frame which is integral with portions of

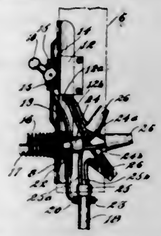
the cheek plates, the top of the striker being welded to the top flanges of the center sills, the cheek plates being provided with key slots formed by substantially elliptical flanges which extend through said webs, the webs being imperforate with the exception of the portions through which the elliptical flanges extend.

2,238,172
HOT AIR FURNACE
Rudolf Jovanovitz, St. Bernard, Ohio
Application June 1, 1939, Serial No. 276,825
5 Claims. (Cl. 237—48)



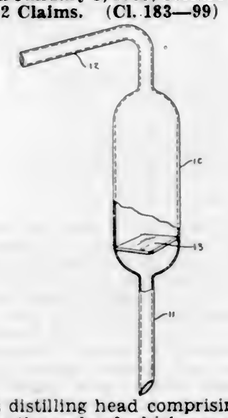
1. In a combined gravity flow and forced air circulation system in combination with a chamber wherein the air is conditioned for circulation in a building, a casing of enlarged cross sectional area supplied with returning air currents, a grille above said casing through which said currents pass, a conduit for gravity flow air connected to the bottom of said casing, and a suction conduit for forced air connected with its intake at the top of said casing at a position removed from said grille, said suction conduit branching into two conduits, and each of said conduits connected to the intake of a blower having a single discharge conduit into said chamber.

2,238,173
HANDLE SWITCH AND CONDUCTOR CONSTRUCTION
Elmer J. Kasper, Willowick, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application January 5, 1940, Serial No. 312,552
5 Claims. (Cl. 200—157)



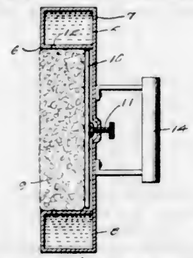
1. Electric switch and conductor construction for the tubular handle of a suction cleaner including a mounting plate removably mounted on said handle, a switch mounted on the inside of said mounting plate, an L-shaped anchor plate secured to the inside of the mounting plate and having angularly disposed openings, conductor cords from the suction cleaner motor and the wall receptacle slidably inserted through said openings, said cords terminating in enlarged portions preventing withdrawing movement of the cords from the anchor plate, and wires projecting from said enlarged cord portions electrically connected with each other and with said switch.

2,238,174
GLASS DISTILLING HEAD
Everett F. Kelm, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application January 3, 1939, Serial No. 249,148
2 Claims. (Cl. 183—99)



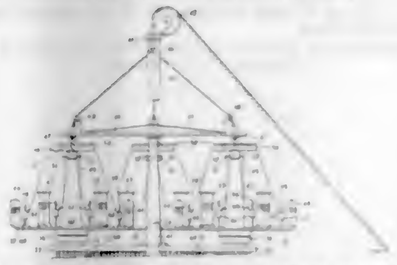
1. A glass distilling head comprising a tubular glass body to the ends of which are attached respectively a tubular glass stem and a glass delivery tube, a substantially square glass baffle plate positioned transversally of the bore of the tubular body near the stem, the corners of the plate being fused to the wall of the body one diagonal of the plate being substantially at a right angle to the bore of the body and the other diagonal being at less than a right angle to the bore.

2,238,175
WALLPAPER REMOVER
Andrew Kendechy, Cleveland, Ohio
Application November 23, 1938, Serial No. 242,102
2 Claims. (Cl. 15—124)



1. A device of the character described, comprising a rectangular casing having a transverse container at its respective upper and lower ends and an open rear side between said containers, a press plate mounted in the space between the containers adjacent the front wall of the rectangular casing, an adjusting screw mounted in said front wall for adjusting the press plate, a block of sponge rubber compressed in the space between the containers and extending slightly beyond the face of the casing and the inner walls of the containers having openings for supplying a liquid to the block of sponge rubber.

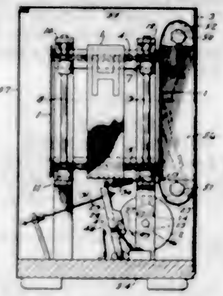
2,238,176
MANUFACTURE OF TWISTED CORDS AND TWISTED THREADS
George Raymond Rushworth Lewis, Manchester, England
Application August 1, 1938, Serial No. 222,508
In Great Britain August 6, 1937
2 Claims. (Cl. 57—164)



1. In a machine for the manufacture of twisted and covered textile cords a supporting plate mounted to rotate in a horizontal plane, a vertical shaft rotating said supporting plate, a sun-wheel fixed about the axis of said vertical shaft and supporting said supporting plate, a vertical pillar mounted centrally on said supporting plate, a spider on the top of said pillar, secondary plates rotatably mounted on said supporting plate, each secondary plate rotated by a spindle passing upward through said supporting plate and having a pinion below said supporting plate rotated by said sun-wheel, each of said secondary plates having two concentric rows of bobbins on vertical supports each containing textile thread each of said secondary plates having two vertical arms carrying a cross member, said cross member having mounted on the axis of said secondary plate a thread guide and tensioning device for the threads from the inside ring of bobbins whereby said threads are twisted together at one vertical level and above this a thread guide and tensioning device for the covering threads from the outside ring of bobbins, nozzle openings in said spider axially aligned with said thread guides and tensioning devices through which said twisted threads are drawn and wherein said threads from said outside ring of bobbins are wound thereupon to form a covered strand, all said covered strands being passed upward through a nozzle opening non-rotatably mounted on the axis of said sun-wheel and wherein said covered strands are twisted together under tension, said supporting plate and said secondary plates rotating on their axes in opposite directions.

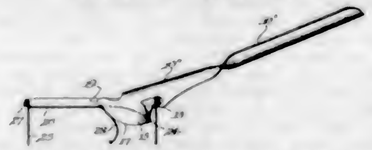
2,238,177
CHANGEABLE SIGN
Charles E. Marks, Jr., and John M. Davidson, Yonkers, N. Y.
Application September 18, 1939, Serial No. 295,382
8 Claims. (Cl. 40—32)

1. An advertising sign comprising a plurality of panels on endless chains, with the panels arranged to be positioned in displaying position, providing an uninterrupted advertisement or the like, characterized by sprockets upon which the endless chains are mounted, rotating shafts upon which the sprockets are mounted, bevel gears on the shafts at one end of the chains, complementary bevel gears meshing with the gears on the shaft, a main shaft mounting the said complementary gears, a disc fixedly mounted on said main shaft, said disc having a notch at one point, a pin positioned to rest against the periphery of said disc, means urging the pin against the disc



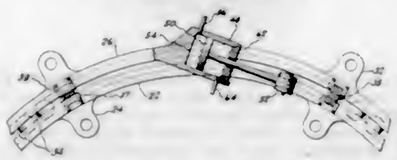
and into the notch thereof, providing stopping means therefor, and means removing the pin from said notch and rotating said disc and shaft.

2,238,178
CAN TAPPING TOOL
Thomas A. McCoy, Oakland, Calif., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 30, 1937, Serial No. 156,569
12 Claims. (Cl. 30—16)



1. A can tapping tool comprising a handle, a puncturing and cutting head projecting transversely of the handle at one extremity of the latter, said head having side faces which are tapered and approached substantially to a point directed transversely of the handle, said faces having forward edges which are convexly curved from said point substantially to the plane of the handle, and which terminate in stop lugs substantially in the plane of the handle, and a claw on the handle adjacent the head and engageable under a fulcrum portion provided on a can.

2,238,179
ADJUSTABLE ENGINE MOUNT
Robert E. McIntosh, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 23, 1939, Serial No. 280,789
11 Claims. (Cl. 248—5)

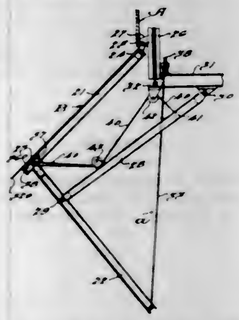


1. A vibration suppressing engine mount comprising, a pair of relatively movable elements one of which is rigidly supported and the other of which supports the engine, anti-friction means maintaining said elements in engine supporting relation while permitting relative movement therebetween incident to engine vibration created forces, means resiliently resisting relative movement between said elements, and means for exerting a force between said elements in a direction to increase the stiffness of said resisting means to relative movement between said supporting elements.

2,238,180
PROCESS FOR THE INTRAMOLECULAR DEHYDROGENATION OF AROMATIC RING SYSTEMS
Eduard Moergeli, Neue Welt, near Basel, Karl Krauer, Basel, and Max Bommer, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 20, 1938, Serial No. 220,402. In Switzerland July 23, 1937
5 Claims. (Cl. 260—352)

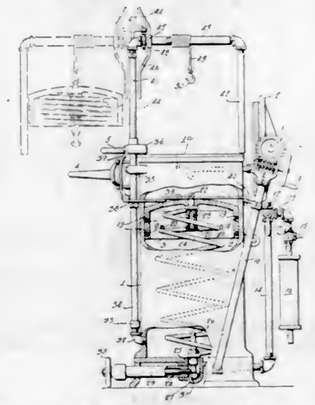
1. Process for the intramolecular dehydrogenation of aromatic ring systems by means of aluminium chloride according to the Scholl reaction with aid of hydrogen acceptors, comprising using as hydrogen acceptor aromatic nitro-compounds which in addition to the nuclearly bound nitro-group contain at least one other negative substituent.

2,238,181
BIFOLD DOOR
David H. Morgan, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application April 11, 1940, Serial No. 329,151
7 Claims. (Cl. 20—16)



1. A door comprising an upper leaf pivotally mounted at its top for upward and outward swinging movement from a vertically disposed closed position to an open position, a lower leaf pivotally connected at its top to said upper leaf near the bottom of said upper leaf for upward and inward swinging movement relative to said upper leaf from a vertically disposed closed position to an open position, a strut pivotally connected at its lower end to the lower leaf at a point near the top of the lower leaf but spaced downwardly from the pivotal connection of said lower leaf with said upper leaf, said strut being disposed at the inner side of said door between planes including the side edges of the leaves and extending in upwardly diverging relationship to said leaves when the leaves are in their vertically disposed closed positions, and fixed means to which said strut is pivoted at its upper end, whereby said strut braces the door and in conjunction with the upper leaf controls opening and closing movements of the lower leaf.

2,238,182
MEAT STUFFER
George R. Napier, East Lansdowne, Pa., assignor to The Enterprise Manufacturing Co. of Pa., Philadelphia, Pa., a corporation of Pennsylvania
Application May 19, 1938, Serial No. 208,880
4 Claims. (Cl. 17—39)

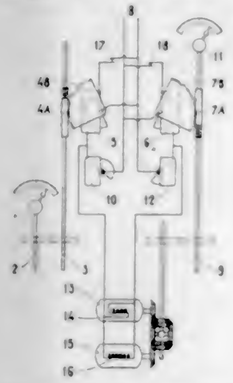


2. In a pressure operated stuffing device of the character described including an open ended cylinder, a closure for the open end of said cylinder movable between positions overlying the latter and laterally adjacent thereto, a piston movable under pressure within said cylinder toward the open end thereof to discharge material from the cylinder, an exhaust port communicating with the pressure end of said cylinder, a vertically slidable member normally closing said exhaust port, a laterally projecting element carried by said vertically slidable member at the upper end of the latter, and connections between said laterally projecting element and the closure for positioning the laterally projecting element over the end of the cylinder and in the path of the piston when the closure is moved to open position so that when the said piston is blown out of said cylinder it will engage said laterally projecting element and actuate the same and said vertically slidable member upwardly to open the exhaust port and relieve the pressure actuating the piston.

2,238,183
REMOTE CONTROL APPARATUS
John Harry Nieckels, Stockholm, Sweden
Application April 12, 1939, Serial No. 267,509
In Sweden April 14, 1938
13 Claims. (Cl. 172—239)

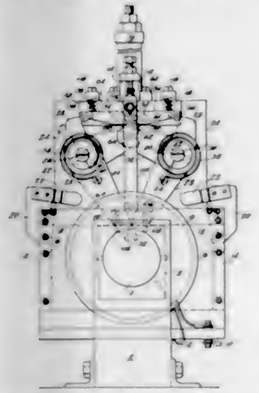
1. Apparatus for the remote control of the position of a secondary element in accordance with displacements of a primary element, said apparatus being of the type including a balanced electrical network having a branch containing impedance adjustable by said primary element, a second branch containing impedance adjustable by said secondary element, an input circuit for impressing an alternating current voltage upon the network, an output circuit in which a potential is developed when the workwork is unbalanced, and motor means controlled by potentials developed in the output circuit to adjust said secondary element to re-establish a balance of the network, characterized by the fact that the impedances of said branches are complex and each includes adjustable impedances of different characters, and said primary and

secondary elements are connected to the adjustable impedances of different characters to vary



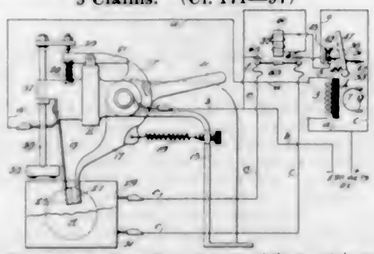
the same in accordance with difference functions of the displacements of the respective elements.

2,238,184
ELECTRIC SWITCH
Victor T. Paré, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1937, Serial No. 133,965
1 Claim. (Cl. 200—147)



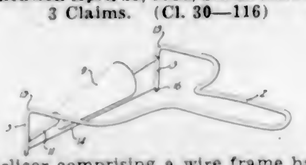
A switch comprising a pair of axles mounted in spaced parallel relation, a clutch comprising driving and driven elements revolubly mounted on each axle, a switch arm fixed to each driven element and biased to the open position, a closing arm fixed to each driving element, means for applying torque to said clutch elements through said closing arms whereby to close said switch arms, a pair of pawls mounted adjacent said switch arms and biased to a position whereat said arms are maintained closed, an armature connected to said pawls, means for generating an arc-quenching magnetic field adjacent said switch arms and towards which said armature is adapted to be drawn to release the pawls holding said switch arms closed, and means for adjusting the bias on said pawls as determined by the flux density required to quench the arc incident to the opening of said switch arms.

2,238,185
CURRENT IMPULSE TRANSFORMER
Victor T. Paré, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application March 31, 1937, Serial No. 133,965. Divided and this application February 29, 1940, Serial No. 321,545
5 Claims. (Cl. 171—97)



5. In apparatus for magnetizing objects, a source of direct current, an iron core transformer having a primary terminal connected to said source and a secondary terminal to which a magnetizable object may be attached, a switch connected between said source and the primary of said transformer, a pair of pole pieces adjacent the contacts of said switch, a second switch having an actuating member mounted adjacent said transformer and adapted to close when the electrical energy in the said core of said transformer reaches a value calculated to be sufficient to magnetize said object, means responsive to the closing of said second switch for producing an arc quenching magnetic field between said pole pieces, and means for delaying the opening of said first-mentioned switch until said magnetic field reaches a value sufficient to extinguish the arc developed between its contacts incident to the opening of the circuit between said source and the primary of said transformer.

2,238,186
SLICER
Florian B. Pedersen, Alameda, Calif.
Application April 29, 1938, Serial No. 205,057
3 Claims. (Cl. 30—116)

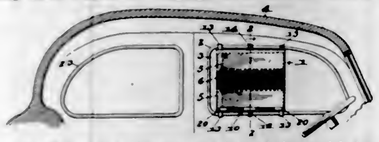


1. A slicer comprising a wire frame having an open loop portion providing a handle and having end portions providing arms having journal receiving sockets, each arm lying on the same side of the frame as the side of the loop from which the arm extends, a taut cutting element connected between the arms, a guide roller between the arms and interposed between said cutting element and handle, and journal means for the roller seated in said sockets.

2,238,187
SHIELD FOR AUTOMOBILES
Irene Sanchez, St. Augustine, Fla.
Application May 5, 1938, Serial No. 206,285
2 Claims. (Cl. 296—97)

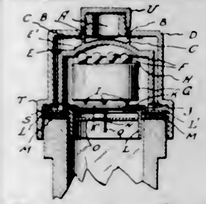
1. A shield primarily applicable to portions of a projecting framework around a window opening, comprising a pair of inherently inelastic

panels, tunnels embodied in the remote edges of said panels and being assured of the permanence of their tunnel formation because of the inelasticity of the respective panels, hooks arranged along said edges to engage said frame work por-



tions and having bases pocketed in said tunnels to provide an adequate foundation for the hooks, and an elastic connector joining the panels in the middle of the shield to exercise a pull on the hooks when the shield is mounted in said opening.

2,238,188
CLOSURE FOR LIQUID RECEPTACLES
Leonardo Sanchez, Habana, Cuba
Application November 7, 1938, Serial No. 239,400
In Cuba December 31, 1937
2 Claims. (Cl. 215—20)

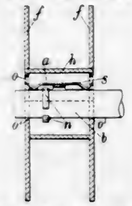


1. A non-refillable stopper for a bottle comprising, a ring member adapted to be inserted in the bottle neck, an annular flange carried by said ring member extending laterally over the edge of the bottle neck, a disk valve having a rubber face adapted to seat on said ring member, an inner cap member having an apertured skirt resting on said annular flange and a spherical shaped portion, a float within said inner cap member engaging said disk valve, a plurality of balls loosely arranged above said float within the spherical portion of said inner cap member, an outer cap member covering said inner cap member and spaced therefrom, a rim carried by the outer cap member embracing said flange and the bottle neck and adapted to be secured to the bottle, said outer cap member having an outlet opening therein and a groove surrounding the opening reducing the strength of the outer cap member, and pins between said inner cap member and the outer cap member extending into said groove for holding the inner cap member against said flange.

2,238,189
FILM REEL
Karel Sano, Borsbeeck, near Antwerp, Belgium, assignor to Gevaert Photo-Producten N. V. Oude-God, Antwerp, Belgium
Application September 27, 1938, Serial No. 231,980
In Austria October 5, 1937
2 Claims. (Cl. 242—70)

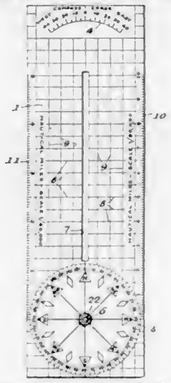
1. A spool comprising end flanges having openings permitting the passage therethrough of a spool axle, a hollow core member extending between the flanges, a supporting member transversely mounted within the core member at a point intermediate the end flanges, and a spring member secured at its mid point to the supporting member and extending at right angles thereto,

the ends of the spring member adjacent to the end flanges being deflected so that they will bear against the spool axle and draw the edges of the



openings in the end flanges diametrically opposite the said spring member into direct contact with the axle.

2,238,190
INSTRUMENT FOR COURSE AND POSITION PLOTTING
Egerton B. Sawtelle, Cape Elizabeth, Maine
Application August 2, 1939, Serial No. 287,950
13 Claims. (Cl. 33—98)

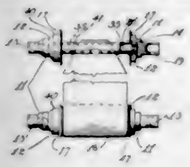


1. A navigation instrument for chart work, said instrument comprising a base having a slot and graduations arcuately disposed to be concentric with one end of said slot establishing a compass error scale having a zero reading in alinement with said slot, a first protractor, an arm, hollow pivot means detachably connecting said first protractor and said arm, and permitting said first protractor to be slidably mounted on said base through said slot, said base having graduations adjacent the other end of said slot establishing a second protractor and an aperture in alinement with said slot defining the center of said second protractor, an arm, hollow pivot means detachably connecting said arm to said base through said aperture, said first protractor and said base having similar transverse and longitudinal graduations, and said first protractor being useable by itself in connection with said compass error scale when concentric therewith, and in connection with said second protractor at any position of said first protractor in said slot.

2,238,191
CAMERA
Vernon P. Shelton, Chicago, Ill.
Original application December 4, 1939, Serial No. 307,408. Divided and this application July 24, 1940, Serial No. 347,094
2 Claims. (Cl. 242—71)

1. In combination with a camera having spool

actuating knobs, and a spool having a core, a pair of spaced flanges attached to said core, the ends of said core extending beyond said core, each of said ends circularly surrounding an opening therein, a pair of spaced adaptors, each adaptor comprising a body portion having an inwardly extending recess in its outer end, and an inwardly extending extension continuing from the inner end of the body member, said body member having a shallow circular depression adjacent said extension, said recesses of said adaptors removably receiving the spool actuating knobs of the camera, said openings in opposite ends of said core removably receiving said extensions, and said shallow circular depressions of the body members removably receiving the ends of said core and preventing accidental disengagement of the spool from the adaptors.

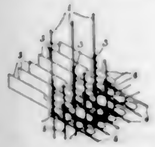


2,238,192

WELT TURNING MECHANISM OF STRAIGHT-BAR KNITTING MACHINES

Harry Wilfred Start, Carlton, and Ernest Start, Wilford, England, assignors to George Blackburn and Sons Limited, Nottingham, England

Application May 20, 1940, Serial No. 336,260
In Great Britain March 4, 1939
8 Claims. (Cl. 66—96)



1. Welt turning mechanism for a straight-bar knitting machine comprising in combination, a set of needles, sinkers, a presser, a set of points to co-operate with a predetermined number of needles, means to lower the points into engagement with the needles to take and transfer the loops of the initial course drawn thereon onto the sinkers, a set of welt hooks carried by a bar and means for moving the welt hooks into position beneath the sinkers to receive the loops therefrom, retain them during the knitting of a sufficient number of courses to form the welt and then return them to a position to be taken by the needles from which they were removed to complete the turning of the welt, substantially as described.

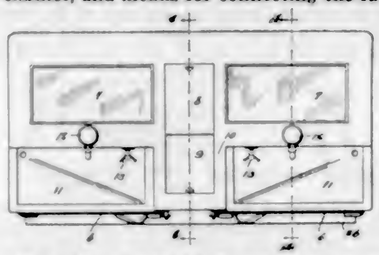
2,238,193

BEVERAGE COOLER AND DISPENSER

Andrew J. Stephens, Kansas City, Mo.

Application May 14, 1940, Serial No. 335,165
8 Claims. (Cl. 62—34)

1. A beverage cooler and dispenser including a cabinet having a window and a door in the front and back thereof respectively, a track in the cabinet leading from the door and toward the window, said cabinet having a downwardly offset top portion constituting a drain board, a dolly removably mounted on the track and movable through the door when open, a faucet on top of the cabinet, and means for connecting the faucet to a keg in the dolly, said dolly constituting means for holding a keg and ice packed around the keg.

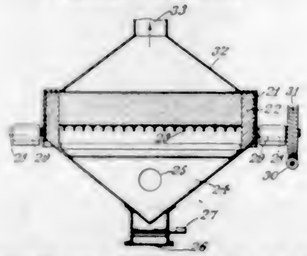


2,238,194

RECOVERY OF METALS FROM ORES

Urlyn Clifton Tainton, Baltimore, Md.

Application July 27, 1938, Serial No. 221,539
In Great Britain September 1, 1937
7 Claims. (Cl. 75—89)



1. A process for the recovery of tin from an ore poor in tin in a single operation and as a volatile compound which process consists in crushing the tin ore, mixing the crushed ore with crushed iron pyrites so as to bring the proportion of sulphur to substantially 12 to 14% of the mixture, adding water in amount of the order of 10% by weight of the crushed ore and subjecting a stationary layer of the crushed and mixed ore to progressive and direct heating to a temperature above 700° C. but below the point at which substantial slagging of the ore takes place, said heating being effected by combustion of a sulphur component in the charge whereby the said metals are converted to volatile sulphide compounds under reducing conditions, and leading away and condensing the said volatile compounds.

2,238,195

NITRATION OF ORGANIC COMPOUNDS

Kenneth M. Thompson, Aldan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application July 21, 1938, Serial No. 220,514
9 Claims. (Cl. 260—504)

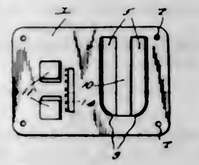
1. In a process of nitrating water-soluble sulfonic acids contained in acid sludge resulting from the sulfuric acid treatment of relatively low boiling petroleum hydrocarbons, the step which comprises diluting said acid sludge with a water-immiscible nitrated organic solvent prior to effecting nitration of said sulfonic acids contained in said sludge, said solvent being substantially less susceptible of nitration than said sulfonic acids, being liquid under the nitrating conditions, having substantial solvent power for the nitrated sulfonic acids, and being separable from the nitrated sulfonic acids.

2,238,196

HOLDER FOR SHADE ROLLER BRACKETS

Ernest A. Tyler, Binghamton, N. Y.

Application April 15, 1940, Serial No. 329,822
1 Claim. (Cl. 248—267)



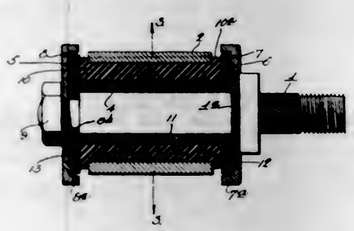
A fixture holder of the character described comprising a metallic plate for mounting on a window frame, a pair of substantially square, vertically spaced, complemental retaining ears struck forwardly from said plate, said ears being open on their adjacent sides and on one of their vertical sides for the reception therebeneath the base of a shade roller bracket, and a flange struck forwardly from the plate adjacent the open vertical sides of the ears and engageable with the shade roller bracket for retaining said bracket beneath the ears.

2,238,197

BEARING STRUCTURE

John Warren Watson, Wayne, Pa., assignor to John Warren Watson Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 15, 1938, Serial No. 230,155
8 Claims. (Cl. 308—26)



1. A bushing structure comprising a fibrous member incorporating latex-deposited rubber.

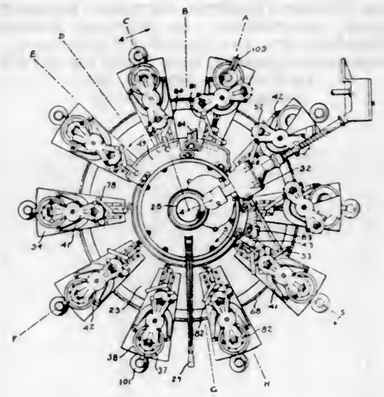
2,238,198

INSULATOR PRESS

Walter C. Weber, Painted Post, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application March 19, 1938, Serial No. 197,001
15 Claims. (Cl. 49—36)

1. In an apparatus for pressing glass, in combination, a continuously rotating mold table, a plurality of press molds mounted thereon, a press head individual to each mold, each press head having a plurality of arms and a plunger mounted on each arm, means individual to each press head for rotating the same to present the plungers in sequence over the associated mold, and means common to all the press heads for controlling their rotation.

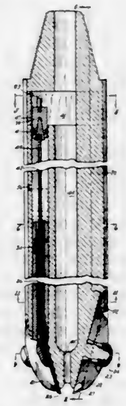


2,238,199

ROTARY DRILL BIT

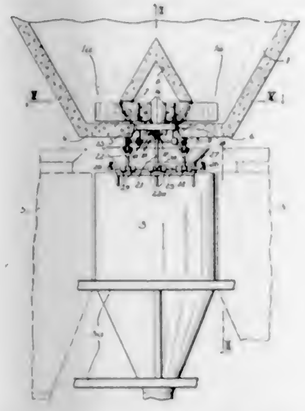
Joseph J. Whalen, Oklahoma City, Okla.

Application January 2, 1940, Serial No. 312,049
4 Claims. (Cl. 255—61)



1. A rotary drill bit comprising: an elongated bit body having one of its ends adapted for rigid attachment to a drill stem; a cutter tooth magazine within said bit body; cutter tooth holding means for holding a plurality of cutter teeth in an earth cutting position on the lower end of said body; a plurality of laminated sections of cutter teeth semi-flexibly connected together in the form of a chain or string, a part of which is housed in said magazine; means for moving consecutive cutter teeth from said magazine into said holding means; and means preventing the movement of cutter teeth from said magazine into said holding means except as consecutive ones of the teeth held thereby become so worn by their cutting operation as to render them substantially useless in performing any further cutting function.

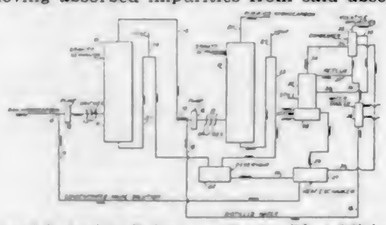
2,238,200
FILLING CONTRIVANCE FOR CHARGING LORRIES OF COKE OVENS
Bruno Willeke, Gladbeck, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application June 28, 1939, Serial No. 281,623
In Germany June 29, 1938
3 Claims. (Cl. 214—42)



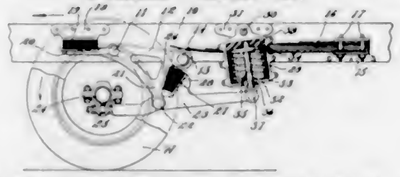
1. Apparatus for filling the charging lorries for coke ovens comprising: a coal storage bunker arranged above a trackway for the charging lorry for travel of the lorry underneath the bunker; a slot extending the length of the lower part of the bunker, and a horizontal coal supporting wall beneath the slot for scraping coal through the slot off the wall, the rim of the horizontal wall being situated within the range of the lorry hopper; a bogie arranged for movement on a track therefor beneath the rim of the horizontal wall; a scraper carried by the bogie and adapted to extend through the slot over the upper surface of the horizontal wall for scraping coal over the rim into the lorry hopper on movement of the bogie; pusher means on the lorry movable into and out of pushing relationship with the bogie; operating means on the lorry cooperating with the pusher means for moving the same into pushing relation with the bogie; and guide means associated with the storage bunker adjacent the horizontal wall for cooperation with the operating means to manipulate the same to operate the pusher means; said guide means being so disposed relative to the end of the slot as to manipulate the operating means to operate the pusher means into pushing relationship with the bogie only after the lorry hopper is in full receiving position underneath the bogie scraper.

2,238,201
PURIFICATION OF HYDROCARBON LIQUIDS
Alexander L. Wilson and Harvey R. Fife, Pittsburgh, Pa., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application September 18, 1937, Serial No. 164,450
8 Claims. (Cl. 196—32)

1. The process of removing acidic impurities from hydrocarbon liquids which includes bringing said liquids into contact at substantially atmospheric temperature with a liquid absorbent comprising at least one polyalkylene polyamine, removing absorbed impurities from said absorbent and bringing it into contact with additional hydrocarbon liquid.



2,238,202
SPRING SUSPENSION
Walter W. Wood, Canton, Ohio
Application February 24, 1940, Serial No. 320,673
8 Claims. (Cl. 267—16)



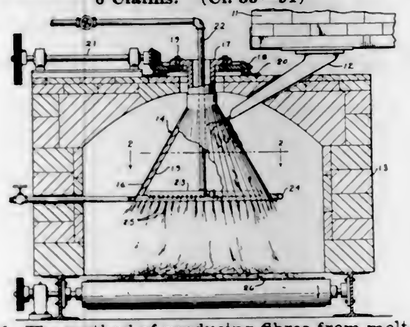
1. In combination with a vehicle frame, an axle, a wheel carried by the axle, a spring suspension including a rocking arm pivoted upon the frame at a point spaced from the axle and having its free end directed toward the axle, a depending portion upon the rocking arm, a member pivotally connected to the axle and pivotally connected to the depending portion of the rocking arm, spring means for urging the end of the rocking arm toward the axle upward, a spring housing pivotally mounted upon the frame, a disk slidable within the housing, a rod connected to the disk and pivotally connected to said member, and a spring in the housing between the disk and the swinging end of the housing.

2,238,203
TEXTILE MACHINERY
Joseph Rowland Wylde and William Williams, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application April 18, 1940, Serial No. 330,250
In Great Britain June 23, 1939
9 Claims. (Cl. 57—59)



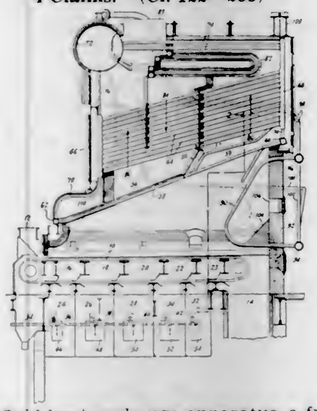
1. A twisting spindle adapted to support a yarn package to be rotated and protrude through the bore of the package, comprising a flange formed on the protruding end of the spindle, a ring disposed loosely about the spindle between the end of the package and the flange between which ring and the flange the yarn passes during operation of the spindle, said ring having an inside diameter that is less than the diameter of the flange so as to be capable of being urged towards the flange under the pull of the yarn, and a thread guide carried by the spindle and disposed substantially centrally near the end face of the flange on the side remote from the ring, the guide being capable of rotating independently of the spindle.

2,238,204
METHOD AND APPARATUS FOR THE PRODUCTION OF FINE FILAMENTS OF GLASS
William J. Woods, Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application April 22, 1937, Serial No. 138,407
6 Claims. (Cl. 83—91)



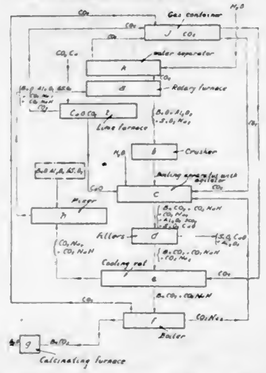
1. The method of producing fibres from molten glass which comprises supplying glass in individual fine streams, passing said streams between a series of impinging jets of gases of high velocity to attenuate the same and continuously effecting relative transverse movement between said streams and jets during attenuation of the streams.

2,238,205
STEAM GENERATOR
Thomas Barclay Allardice, Mountain Lakes, N. J.
Application April 30, 1936, Serial No. 77,120
Renewed January 6, 1940
4 Claims. (Cl. 122—235)



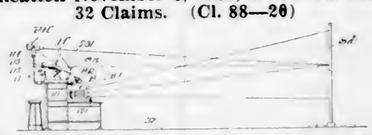
4. In fluid heat exchange apparatus, a furnace, fluid heat exchange tubes exposed to heat from the furnace gases, means forming an ash pit, a forced draft stoker for the progressive burning and feeding of fuel toward the ash pit, fluid cooled screen tubes projecting over the discharge end of the stoker and promoting the mixture of air and particles floated from the stoker bed by the air blast near the discharge end of the stoker, and means including a shield for returning separated non-combusted particles to the rear portion of the traveling grate of the stoker, said shield being disposed beyond the range of the air blast.

2,238,206
PROCESS FOR OBTAINING SOLUBLE BERYLLIUM COMPOUNDS STARTING FROM ORES CONTAINING BERYLLIUM
Carlo Adamoli, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del., a corporation of Delaware
Application July 17, 1937, Serial No. 154,236
In Italy July 20, 1936
5 Claims. (Cl. 23—22)



1. A process for obtaining soluble compounds starting from beryllium silicate ores comprising the steps of roasting the ore with sodium carbonate, which binds the silica in form of a neutrol silicate at a temperature high enough to sinter but low enough to avoid fusion of the mass, treating at bolling temperature the reaction product with a solution of calcium hydrate, thereby displacing the silica in the form of an insoluble silicate, then introducing carbon dioxide, which causes the beryllium oxide to pass into the state of beryllium basic carbonate, separating said carbonate in solution from the other compounds formed, precipitating it and calcining it to obtain beryllium oxide.

2,238,207
TESTING EYES
Adelbert Ames, Jr., and Henry A. Imus, Hanover, N. H., assignors to Trustees of Dartmouth College, Hanover, N. H., a corporation of New Hampshire
Application November 6, 1937, Serial No. 173,110
32 Claims. (Cl. 88—20)

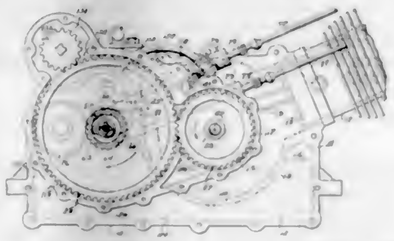


7. The method of testing dioptric eye defects comprising projecting on a viewing screen within the field of vision of an individual a test device a section of which is rendered visible by light effectively perceptible to both eyes of the individual,

which section constitutes fixation means for the two eyes and one portion of which test device is rendered visible by light reflected from said screen effectively perceptible to only one of the eyes and which portion constitutes dioptric test means for said eye, placing before the other eye means rendering it unresponsive to light from said portion, selectively placing power test lens means having controlled dioptric characteristics before said first eye while both eyes are looking at said fixation means and said eye is monocularly viewing said dioptric test means which is visible to said eye and substantially invisible to the other eye, and altering said power test lens means until a corrective power is arrived at, whereby best possible vision of the dioptric test means rendered visible to said eye is obtained while maintaining best possible binocular vision.

2,238,208
MOTORCYCLE
Mark W. Anthony, Tyler, Tex.
Application July 22, 1938, Serial No. 220,790
3 Claims. (Cl. 74—333)

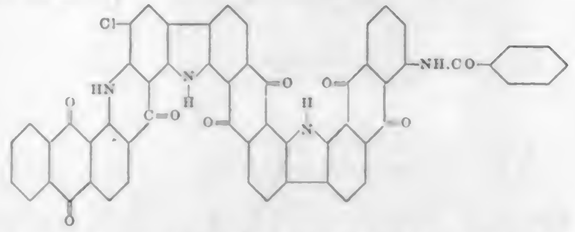
1. A unitary mechanical assembly for the purpose indicated, comprising a casing, a crank shaft mounted in said casing, a main transmission shaft mounted in the casing in laterally opposed parallel relation to the crank shaft, a tubular spline shaft sleeved to rotate on said main transmission shaft but immovable longitudinally thereof, releasable clutch means interposed between adjacent ends of said main transmission shaft and said spline shaft, a transverse ratio driving connection between said crank shaft and said main transmission shaft, a driving gear sleeved on said



spline shaft and normally free of rotative connection therewith, a unitary stepped multiple idler gear mounted in the casing to rotate about an axis in parallel relation to the common axis of said main transmission shaft and the spline shaft thereon, one of the stepped portions of said idler gear being constantly in mesh with the driving gear on the spline shaft, and a unitary speed change gear stepped reversely to said idler gear and mounted to slide longitudinally on said spline shaft but rotatable therewith, said speed change gear being of a proportionate length whereby, in one of its positions between the steps of the idler gear not engaged with the driving gear on the spline shaft, to be out of engagement with said idler gear but being shiftable to different positions to alternately engage the stepped portions of said idler gear not engaged by said driving gear and having a clutch portion at its end for direct engagement with a corresponding clutch portion of said driving gear when shifted to another position free of engagement with said idler gear.

2,238,209
ANTHRAQUINONE-BENZACRIDONE VAT DYESTUFFS
Wilhelm Bauer, Leverkusen-Wiesdorf, and Bernhard Bollweg, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application April 18, 1939, Serial No. 268,528. In Germany May 27, 1938
1 Claim. (Cl. 260—277)

A vat dyestuff having the formula:



which product is a dark powder dissolving in concentrated sulfuric acid to a blue solution, yielding a bordo-red vat and dyeing vegetable fibers from the vat fast, clear, pure, brown shades.

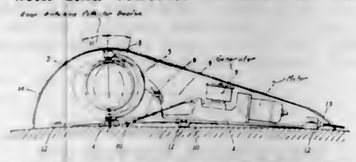
2,238,210
MANUFACTURE OF STYPHNIC ACID SALTS
Willi Brun, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Original application June 2, 1933, Serial No. 674,049. Divided and this application May 13, 1938, Serial No. 207,786
3 Claims. (Cl. 260—435)

1. In the manufacture of salts of styphnic acid by the sulphonation of resorcine with sulphuric acid of a concentration of substantially 98%, the nitration of the sulphonated resorcine to styphnic acid, and the subsequent production of a crystalline salt therefrom, the process which comprises the addition of water during the sulphonation, whereby said salt is formed in crystals of a configuration characteristic to said addition.

2,238,211
RADIO DIRECTION FINDER INSTALLATION
Henri Gaston Busignies and Paul Lucien Bour, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.
Application May 11, 1939, Serial No. 272,998
In France May 28, 1938
5 Claims. (Cl. 250—11)

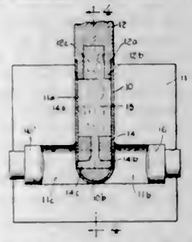
1. A radio direction finder for use on an aircraft comprising a rotatable wave collector, a motor for driving said collector, a device for generating polyphase reference currents and drive means for mechanically connecting said motor

to said collector and said device for driving them, said collector, motor and device being arranged as a group outside the normal surface of said craft with said collector mounted at the for-



ward end, an insulating cap of streamline contour enclosing said group, and a cable extending from said group and emerging from said cap for connecting said elements to remotely located auxiliary apparatus.

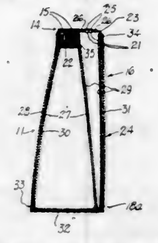
2,238,212
METHOD AND APPARATUS FOR PRODUCING LATERAL-PROVIDED FITTINGS
Edward S. Cornell, Jr., Larchmont, N. Y.
Application January 24, 1939, Serial No. 252,515
2 Claims. (Cl. 113—44)



1. The method of forming a hollow branch fitting, which includes placing a shell blank having an open end and a closed end in close contacting relationship with the walls of a recess in a die, the die having at least one other recess intersecting with said first-mentioned recess, abutting the closed end of said shell blank against a wall of said intersecting recess, inserting within said shell blank a closed-ended hollow rigid mandrel having an external configuration matching the internal configuration of the shell blank, the closed end of said mandrel engaging the closed end of the shell blank, said mandrel having a centrally arranged passage communicating with the open end of said shell and having side outlets communicating with said centrally arranged passage adjacent the closed end of said mandrel, said mandrel having its wall surface in contact with the wall of the shell blank over an area including and extending beyond the area of intersection of said die recesses, filling said shell blank and said mandrel passages with liquid, and subjecting the shell blank to mechanical pressure exerted at the open end of said shell blank and in a direction axially thereof to cause mechanical movement of the material of the shell blank toward the juncture of said branches and laterally therefrom into said intersecting branch, while concomitantly exerting an internal fluid pressure to bear initially concentratedly against the wall of said shell blank at the location of the side outlets in said mandrel.

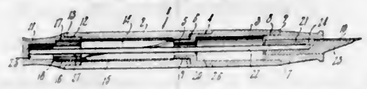
2. Apparatus for the manufacture of hollow lateral branch fittings, comprising, in combination, a female die means having an internal longitudinal branch and an internal lateral branch intersecting therewith, one of said branches having an opening for receiving a closed-ended tubular shell blank for positioning within said branch with its closed end in abutment with a wall of said intersecting branch, and a hollow mandrel having an open end and a closed end, said mandrel having a side outlet disposed adjacent the closed end thereof; said mandrel having an outside diameter permitting the snugly slidable insertion thereof into the shell blank with its closed end in engagement with the closed end of the shell blank, and a length extending substantially above the intersection of the branches of the die, and the said branch of the die having a diameter permitting the snugly slidable insertion of the shell blank therein, with the outside wall of the shell blank in contact with the wall of said die branch.

2,238,213
HANDBAG
Max C. Demerer, Brooklyn, N. Y., assignor to Robbins & Weitz, Inc., New York, N. Y., a corporation of New York
Application May 15, 1940, Serial No. 335,393
1 Claim. (Cl. 150—28)



A lady's handbag comprising a main compartment having a mouth at the top thereof and having a plurality of inverted, U-shaped, pivotally interconnected channel frame members for opening and closing said mouth, said frame members having upwardly opening channels for clamping engagement with walls of said main compartment and having laterally outwardly directed clamping flanges overlying the channels, an at least partially expansible pocket formed by inner and outer wall members lying externally of the said compartment, the outer member being of a finishing material complemental to the outside material of the bag, said pocket having a mouth extending closely along an outer side of a top section of an adjacent frame member substantially in the horizontal plane of the clamping flange thereof, said slide fastener comprising a stringer continuously secured in the channel of the adjacent frame member and directly underlying the said clamping flange, and the outer wall of the pocket having sufficient stiffness and being adapted to support the slide fastener to lie as a whole in the plane of said clamping flange.

2,238,214
FOUNTAIN PEN
Kenneth Dole, Melrose, Mass.
Application March 16, 1939, Serial No. 262,163
6 Claims. (Cl. 120—46)



1. A pump element for a fountain pen, comprising an elastic body of tubular cross-section provided with ribs arranged to cause the wall

of said body to collapse with three or more lengthwise folds when twisted axially, said wall being thinned along both sides of the ribs.

2,238,215

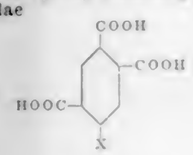
CHROMABLE TRIARYL-METHANE DYES

Wilhelm Eckert, Karl Schilling, and Paul Hofmann, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

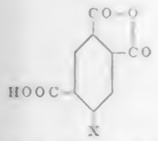
No Drawing. Application December 23, 1938, Serial No. 247,408. In Germany December 24, 1937

8 Claims. (Cl. 260—335)

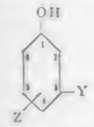
1. The process which comprises condensing a compound of the group consisting of compounds of the formulae



and



wherein X means a halogen atom of the group consisting of chlorine and bromine, with a compound of the formula



wherein Y represents a member of the group consisting of substituted amino-groups, hydroxyl and alkoxyl, Z represents a member of the group consisting of hydrogen, halogen, methyl, hydroxyl, carboxyl, sulfonic and nitro and wherein the 6-position is unsubstituted, the condensation being effected by heating the reagents, and heating the condensation product obtained with a compound of the group consisting of ammonia, amines and hydrolyzing agents.

2,238,216

METHOD OF MANUFACTURING ANTISKID DEVICES

Ernst Eger, Grosse Pointe Park, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application December 16, 1937, Serial No. 180,111

5 Claims. (Cl. 154—2)



2. The method of forming antiskid devices for tires comprising the steps of wrapping a plurality of layers of fabric of parallel extending cords around a pair of spaced supports, applying a rubber covering to the fabric layers, placing the assembled rubber and fabric unit and the spaced supports in a multiple cavity mold, closing the mold while simultaneously and substantially severing the assembled rubber and fabric unit into a plurality of individual antiskid devices, vulcanizing the rubber, and removing the spaced supports from the antiskid devices.

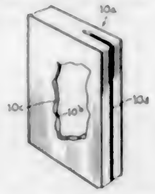
2,238,217

BAG

Henry A. Enrich, New York, N. Y.

Application February 28, 1938, Serial No. 192,958

4 Claims. (Cl. 206—7)



1. A bag of the character described, comprising an outer casing of textile material, a wall of said casing having an opening and fasteners at said opening to close the same, and an inner flexible lining attached to said outer casing only along marginal edges of walls of the outer casing, and forming a plurality of closed pockets therewith each comforming to dimensions of a companion wall, said lining being impregnated with a volatile insect repellent substance, and means on said lining to retard volatilization of said substance.

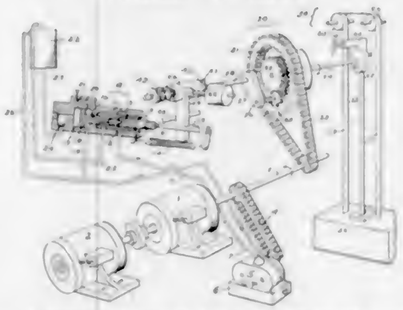
2,238,218

SPEED CONTROLLER FOR PRIME MOVERS

Walter Ferris, Milwaukee, Wis.

Application September 28, 1936, Serial No. 102,850

17 Claims. (Cl. 264—9)



1. A speed controller for a prime mover, comprising means for imposing a brake load upon said prime mover, a three legged differential having a first leg driven by said prime mover at a speed proportional to the speed thereof and a second leg driven at a measured speed whereby any variation in the speed of said prime mover relative to said measured speed causes rotation of the third leg of said differential, means for varying the flow of energy to said prime mover to thereby vary the speed thereof, and means responsive to rotation of said third leg for first varying the brake load on said prime mover and then operating said energy varying means to thereby correct said variation in prime mover speed.

16. A speed controller for a prime mover, comprising means for imposing a brake load upon said prime mover, a chronometric mechanism driven by power derived from said prime mover, a three legged differential having a first leg driven by said prime mover at a speed proportional to the speed thereof and a second leg connected to said chronometric mechanism and driven at a speed proportional to the speed thereof whereby any variation in the speed of said prime mover relative to the speed of said chronometric mechanism causes rotation of the third leg of said differential, means for varying the flow of energy to said prime mover to thereby vary the speed thereof, and means responsive to rotation of said third leg for first varying the brake load on said prime mover and then operating said energy varying means to thereby correct said variation in prime mover speed.

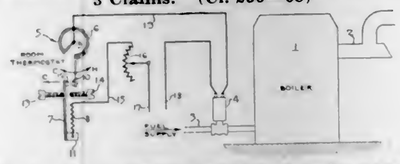
2,238,219

TEMPERATURE CONTROLLING DEVICE

Edward V. Fineran, Silver Spring, Md., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 27, 1936, Serial No. 98,179

3 Claims. (Cl. 236—68)



1. In a temperature control system for a space, in combination, temperature changing means for said space, an electromagnetic controller for said temperature changing means, said electromagnetic controller being operative when energized to place said temperature changing means into operation, while acting when deenergized to place said temperature changing means out of operation, a two wire control circuit for said electromagnetic controller, a thermostatic switch responsive to the temperature of said space for controlling said control circuit, said thermostat comprising a thermostatic element, a switch connected into said two wire control circuit and actuated by said thermostatic element, means for adjusting the value of the temperature maintained by said thermostatic switch, said adjusting means including a second thermostatic element adapted to position one of the switch elements independently of said first thermostatic element and an electric heater adjacent said thermostatic element, and means for energizing and deenergizing said electric heater in accordance with operation and non-operation of the temperature changing means in a manner to raise the temperature maintained in said space as the ratio of operation to non-operation increases in value.

2,238,220

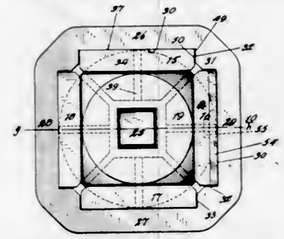
RECONDITIONABLE DRAFT GEAR

John P. Gallagher, Jersey City, N. J.

Application September 29, 1938, Serial No. 232,332

5 Claims. (Cl. 213—31)

1. A one-piece hollow casing forming part of a draft gear provided at one end with a rear wall and provided adjacent its front end with a shoe containing friction chamber outlined in part by a plurality of flat longitudinally extending friction surfaces, said casing also including an equal number of thickened portions forming integral reinforcing posts merging at their rear end into the rear wall, one disposed between each adjacent pair of said friction surfaces, projecting inwardly into the chamber and coacting therewith to outline the longitudinal sides of the chamber, and constituting a plurality of parallel pillars for transmitting through the casing and into the rear wall blows received on the end thereof.



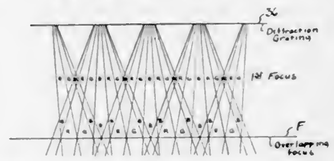
2,238,221

COLOR PHOTOGRAPHY

Samuel B. Grimson, New York, N. Y., assignor to Color Research Corporation, New York, N. Y., a corporation of Delaware

Original application April 21, 1939, Serial No. 269,068. Divided and this application March 14, 1940, Serial No. 323,888

3 Claims. (Cl. 95—2)



1. The method of making a black and white photographic separation negative of a scene in colors, which comprises exposing a light sensitive layer for production of a black and white negative to the scene through a lens system including a filter having a plurality of tri-color bands, one of the bands being centrally disposed, terminal bands of the same color as the central band positioned on opposite sides thereof and the remaining bands lying between the central and terminal bands, and a diffraction grating, the diffraction grating being placed with respect to the sensitized layer so as to superimpose on the sensitized layer two or more images of each color arriving through different areas of the lens and spaces of the grating.

2,238,222

TOOL FOR INCISING LINOLEUM

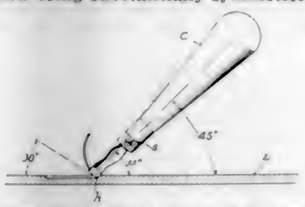
Hubert C. Jones, Springfield, Mo., assignor to C. Howard Hunt Pen Co., Camden, N. J., a corporation of New Jersey

Application June 17, 1938, Serial No. 214,197

5 Claims. (Cl. 30—280)

1. A draw tool for incising linoleum comprising a shank provided at one end with an open hook-like nose portion provided at its lower edge with a cutting edge and formed by bending an end portion of the shank upon itself, the outer surface of the nose portion forming an obtuse angle with the cutting edge, the cutting edge, when the tool is in working position, lying adja-

cent to the horizontal plane of the axis of the shank and being substantially symmetrically dis-



posed about the vertical plane of the axis of the shank.

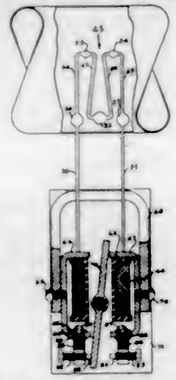
2,238,223
AUTOMATIC HUNTING CIRCUIT
Ladislas Kozma, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y.
Application August 18, 1938, Serial No. 225,562
In Great Britain August 21, 1937
23 Claims. (Cl. 179—18)



1. A telecommunication exchange system comprising a plurality of hunting switch mechanisms having a plurality of marking terminals, a group of marking conductors individually connected to said marking terminals, a common conductor, commoning connections joining all of the marking wires of said group to said common conductor, means for applying fluctuating marking currents to any of said marking conductors, first test means associated with said hunting switch mechanisms for ascertaining the presence of at least one component of said marking currents upon any one of said marking terminals for individually identifying a marking conductor, second test means for ascertaining the presence of at least one component of said marking currents upon said common conductor for a further control purpose, a plurality of segregating devices included in said commoning connections for passing at least one component of said marking alternating currents between any one of said marking conductors and said common conductor to operate said second test means while substantially preventing the passage of at least one component of said marking currents from one of said marking conductors to another of said marking conductors so as to prevent erroneous response of said first test means to currents upon an unmarked marking conductor.

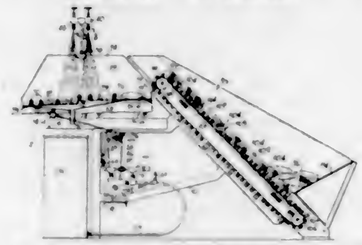
2,238,224
THERMOCOUPLE SWITCH
Gordon F. Laing, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 22, 1938, Serial No. 186,368
5 Claims. (Cl. 200—93)

5. A polarized relay comprising an electromagnetic coil, a permanent magnet for producing a substantially constant magnetic field, said magnet having four poles comprising two pairs of diagonally disposed unlike poles, a plurality of armatures pivotally mounted within the magnetic field of said coil, each movable within the field of said magnet between extreme positions in which opposite ends thereof are adjacent the unlike diagonally disposed poles of one pair of poles, a switch blade associated with each armature and positioned thereby, and a switch contact associated with each blade and adapted to be engaged thereby, two of said blades being elec-



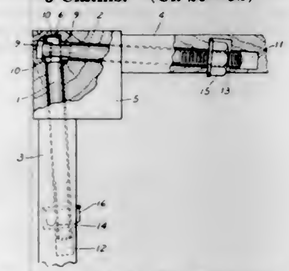
trically connected and the switch contacts for said two blades being reversely disposed so that upon the blades both moving in the same direction one blade moves out of engagement with its contact and the other moves into engagement with its contact, stop means associated with each armature for limiting the movement thereof, the stop means for each armature being differently spaced to permit a different amount of movement of each armature so that one blade moves before the other regardless of the direction of current flow through said coil.

2,238,225
YARN TREATING APPARATUS
Homer V. Lang, Charlotte, N. C.
Application November 12, 1940, Serial No. 365,285
7 Claims. (Cl. 68—205)



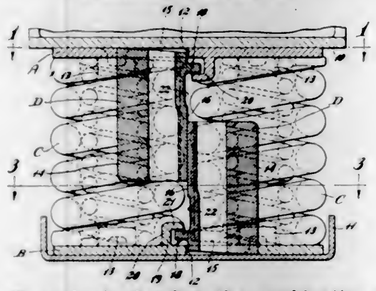
1. Apparatus for treating yarn packages and the like comprising a trough mounted for longitudinal oscillation, along an arc extending upwardly and rearwardly of said trough, means for continuously delivering said packages onto the bottom of the trough, means for directing a spray of treating fluid downwardly onto said packages and said bottom, and means for oscillating the through through said arc to cause the packages to move step-by-step rearwardly through the trough.

2,238,226
INTERLOCKING BOLT
Ellis Lindgren, Geneva, Ill.
Application March 3, 1939, Serial No. 259,525
3 Claims. (Cl. 20—92)



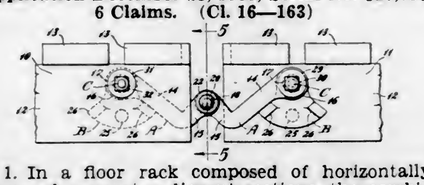
1. A securing means for fastening two side arms of an article of furniture to a corner post thereof, each side arm having a hole bored lengthwise therein and the corner post having a pair of intersecting holes bored only part way therethrough and registering with the holes in said side arms, a pair of bolts each inserted into the hole of a side arm and one of said intersecting holes, one bolt having an eye in the end inserted in the corner post hole and the other having a hook inserted into the eye of the other bolt through the other post hole, nuts threaded onto the other ends of said bolts, said nuts when tightened clamping the post and arms together and inter-locking the bolts to prevent withdrawal of the hook from the eye, the loosening of one of said nuts unlocking the hook from the eye and permitting withdrawal thereof and dismantling of the parts solely by the loosening thereof.

2,238,227
COMBINED SPRING AND FRICTION SHOCK ABSORBER
Harvey J. Lounsbury, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 29, 1939, Serial No. 264,704
5 Claims. (Cl. 267—9)



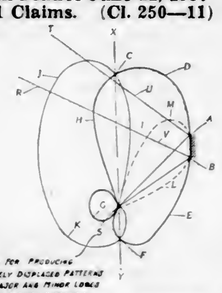
1. In a shock absorber, the combination with a pair of relatively movable friction elements in lengthwise sliding frictional contact with each other and interposed between a pair of relatively movable members, said elements having base portions in rocking bearing engagement respectively with said members and directly actuated to slide relatively to each other by engagement with said members; of plates having openings in which said base portions are seated, said plate members bearing on said relatively movable members respectively; cooperating retaining means on each friction element and associated plate for limiting relative displacement of the same to retain the base portion of said element seated in said plate; and spring means interposed between said plates and having bearing engagement with said base portions of said elements respectively for rocking both of said elements and pressing the latter into tight frictional contact, said spring means directly resisting relative longitudinal movement of said friction elements toward each other and holding said base portions seated on said members and thereby relieving said retaining means from actuating strains.

2,238,228
HINGED FLOOR RACK
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 23, 1939, Serial No. 310,730
6 Claims. (Cl. 16—163)



1. In a floor rack composed of horizontally disposed, separate adjacent sections, the combination with hinge means connecting said sections comprising a pair of arms pivotally connected to each other at one set of ends, said arms having the other ends thereof pivotally connected to said rack sections respectively, said pivotal connections all swinging about horizontal axes; of stop means on said rack sections for limiting downward swinging movement of said arms to maintain the same raised above the lower limits of said sections with the pivotal connection of said arms positioned to accurately guide swinging movement of one rack section on top of the other.

2,238,229
SYSTEM FOR EMITTING DIRECTED RADIANT ENERGY
Georges Edme Marcel Perroux, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application May 27, 1938, Serial No. 210,345
In France June 11, 1937
11 Claims. (Cl. 250—11)



1. In a radio directive antenna system, the method of eliminating disturbances caused by reflection of radiation from reflecting objects located within the radiation pattern which includes, radiating from the antenna system directive waves of a predetermined characteristic, and also radiating waves of a different characteristic

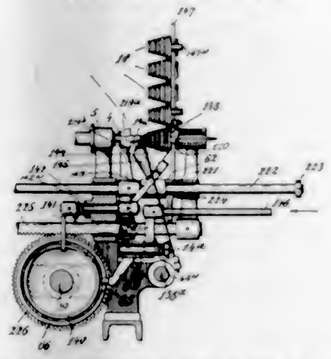
and directing them toward said object, the characteristics of both sets of waves being correlated so that when both are reflected from said object, false directive signals are avoided.

2,238,230

APPARATUS FOR PRODUCING COPS

Wilhelm Reiners and Gustav Kahlisch, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany

Application March 25, 1937, Serial No. 132,945
In Germany April 22, 1936
4 Claims. (Cl. 242—41)



1. In a cop winder, a spindle and a tail stock relatively movable in axial direction, a carrier adapted to hold an empty tube and pivoted to swing the tube from a position at one side of the axis of said spindle into a position coaxial therewith, said carrier being mounted so as to be also movable parallel to the axis of said spindle, and a magazine positioned adjacent said carrier and adapted to feed empty tubes to said carrier in succession.

2,238,231

CYANINE DYESTUFFS

Oskar Riester, Dessau-Ziebigk, and Gustav Wilmanns, Wolfen, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 2, 1939, Serial No. 259,392. In Germany March 8, 1938
3 Claims. (Cl. 260—240)

1. A cyanine dyestuff comprising two heterocyclic nitrogenous rings of the type used in the production of cyanine dyes linked together by a methenyl chain, each of said rings containing a fatty acid radicle united in ω-position to the carboxyl-group of said radicle to the nitrogen atom of the heterocyclic ring.

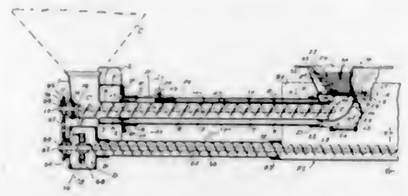
2,238,232

AUTOMATIC UNDERFEED STOKER

Gilbert M. Seaman, Catskill, N. Y.

Application February 12, 1938, Serial No. 190,196
6 Claims. (Cl. 110—45)

1. In combination, air feed and coal feed tubes; a downwardly tapered fire pot comprising an upper portion provided with upper inner and outer flanges and lower inner and outer lugs, and a lower portion having upper outer lugs secured to said lower outer lugs, said lower portion communicating with the air feed tube; a grate in said fire pot including superposed flat spaced rings of progressively smaller inner diameter, the upper and lower rings thereof having outer lugs secured to said upper inner flanges and said inner lugs of the upper portion respectively; and a tubular portion in the lower part of the fire pot establishing communication between the lower part of the grate interior and the coal feed tube.



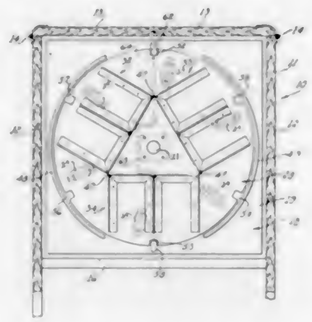
4. In combination, coaxial air feed and coal feed tubes; a fire pot communicating with the air feed tube; a grate in the fire pot; and an elbow member having its upper end opening into the grate, and a laterally turned lower end receiving the coal feed tube; said laterally turned end being provided with an opening from the air-feed tube into the elbow portion; the air feed tube being provided with a longitudinal slot; a scraper bar in said opening; a rod longitudinally slidable in the air-feed tube and secured to said bar and carrying a member projecting through said longitudinal slot and provided with an exterior handle; a cover plate over said slot provided with a perforation receiving said member; and a shoe engaging the inner face of the air feed tube and having a perforation received on the member, and preventing the escape of air.

2,238,233

LOAD CARRYING APPARATUS

Howard M. Sloat, Fairfield, Conn.

Application September 14, 1939, Serial No. 294,819
7 Claims. (Cl. 296—24)



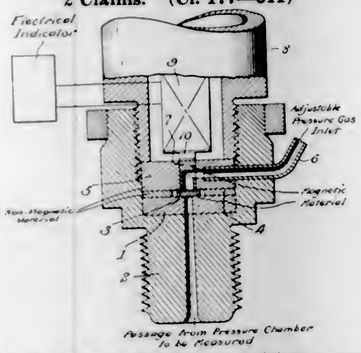
1. In a delivery vehicle, side walls and a non-circular body including a floor and rear doors adapted to permit a dolly to be rolled into and out of the body when open, a dolly movable into and out of said body to rest on said floor when in the body, said non-circular dolly of such size with respect to the interior of the body as to be held against movement by the side walls and doors of the vehicle when within said body with the doors closed, a turntable on said dolly, and load receiving means on said turntable.

2,238,234

PRESSURE INDICATOR

Richard Stansfield, Teddington, Middlesex, England, assignor to International Standard Electric Corporation, New York, N. Y.

Application September 23, 1937, Serial No. 165,303
In Great Britain October 27, 1936
2 Claims. (Cl. 177—311)



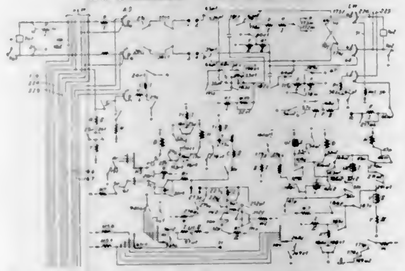
1. A pressure indicator comprising a member having a first passage for connection with a pressure chamber, the pressure of which is to be indicated, and a second passage for connection to an adjustable pressure supply means, a magnetic pole piece, a winding linking the flux passing through said pole piece, a light member of magnetic material consisting of a disc arranged for substantially instantaneous free movement into either of two positions between said first and second passages upon departure from equality of said pressure to be indicated and said adjustable pressure and in the magnetic path of said pole piece, whereby upon said pressure to be measured rising above or dropping below equality with the pressure supplied from said adjustable pressure supply means movement of said disc varies the flux linking said winding and an electrical impulse is induced in said winding.

2,238,235

AUTOMATIC TELEPHONE SYSTEM

Hans Tatzl, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany

Application July 9, 1938, Serial No. 218,370
In Germany July 14, 1937
20 Claims. (Cl. 179—18)



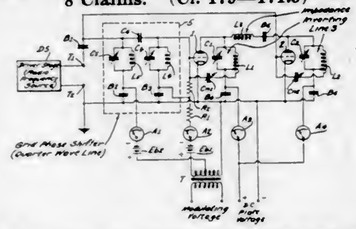
1. In a switching system, a relay, a plurality of lines each having two conductors, means for connecting a potential across the conductors of any one of said lines, a switch operative responsive to the connection of said potential across said one line to connect said relay across the conductors of said lines successively, said potential effective to operate said relay responsive to the connection of the relay across the conductors of said one line, and means including said relay for terminating the operation of said switch responsive to said operation of the relay.

2,238,236

MODULATION SYSTEM

Frederick E. Terman, Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application June 10, 1939, Serial No. 278,526
8 Claims. (Cl. 179—171.5)



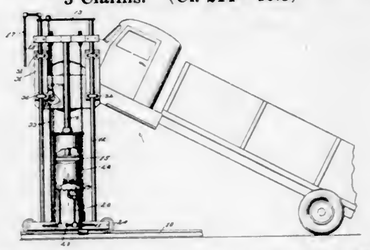
1. A system for delivering modulated carrier-wave power to a load, which comprises a first and a second discharge tube each having a cathode, a grid and an anode, means for supplying continuous potential to said anodes, connections for delivering power from the anodes of both of said tubes to said load, an impedance inverting network connected between the anode of one of said tubes and said load so as to present to the anode of said first discharge tube an impedance whose value decreases with increasing power output from said second discharge tube, means for applying carrier frequency signals to the grids of both said tubes, means for applying modulation frequency signals to the grids of both said tubes, means for biasing said second tube to be inoperative at all values of said modulation signal below a predetermined value and to operate in class C at all values of said modulation signal above said predetermined value, and means for biasing said first tube for class C operation at all values of said modulation signal.

2,238,237

VEHICLE DUMP

Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa

Application October 2, 1939, Serial No. 297,528
5 Claims. (Cl. 214—46.5)



4. In a vehicle dump, the combination of two upright cylinders on opposite sides of the vehicle dump, a piston in each cylinder, a cradle to receive vehicle wheels, means for elevating and lowering said cradle from said piston, two cylindrical upright posts at each side of the vehicle

dump, arranged on opposite sides of the cylinder, a frame for each of said posts connected to said cradle and comprising an upright frame, two grooved rollers at the top and two grooved rollers at the bottom of each of said frames, engaging opposite sides of the post for preventing tilting movements of the cradle.

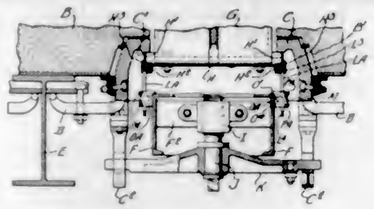
2,238,238
MOLDING FASTENER
Fred J. Westrope, Pleasant Ridge, Mich., assignor to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan
Substituted for abandoned application Serial No. 238,467, November 2, 1938. This application December 13, 1940, Serial No. 370,025
2 Claims. (Cl. 24—73)



1. A snap fastener of the class described, comprising: a central body portion; a plurality of legs radiating outwardly from said body portion circumferentially of the center thereof in spaced relation to each other, some of the legs being longer than the others, the ends of the short legs being angularly turned inwardly, and the longer legs being angularly turned inwardly intermediate their ends in substantial alignment with the inwardly turned ends of the short legs, said longer legs being thence directed axially of the structure and then turned angularly outwardly and thence bent to provide elongated prongs for insertion through an opening in a supporting body in which mounted the inwardly turned portions of said short legs and said long legs bearing against one face of said body and the outwardly angularly turned portions of the long legs bearing against the opposite face of said body, said longer legs serving to retain said structure on said supporting body and maintain the inwardly turned portions of the short legs under tension, there being more than a pair of said longer legs and located so that not more than two are in diametrical alignment with each other.

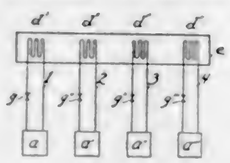
2,238,239
SELF-SEALING DOOR
Louis Wilputte, New Rochelle, N. Y., assignor, by mesne assignments, to Wilputte Coke Oven Corporation, New York, N. Y., a corporation of Maine
Application June 9, 1939, Serial No. 278,226
7 Claims. (Cl. 202—248)

1. A self-sealing coke oven door comprising in combination, a flexible sealing member adapted to extend transversely of the door into overlapping relation with a sealing surface at the margin of a doorway closed by the door; a rigid outer door section including integrally connected seat portions having adjusting device seats respectively disposed in front of portions of said member distributed along the margin of the latter, and an adjusting screw engaging a corresponding one of said portions, and a nut through which the screw is threaded and which is removably mounted in the seat in front of the member portion engaged by the screw, each of said seats comprising a bearing surface at the outer side of, and engaged by, the nut seated therein, and adapted to hold said nut against movement in an outward direction relative to said seat and being open at one side to permit movement of



the nut in a different direction relative to said seat into and out of the position in which it is seated in said seat, and said seats and nuts being relatively shaped so that each seat is adapted to hold a nut seated therein against rotation about the axis of the screw threaded through the nut.

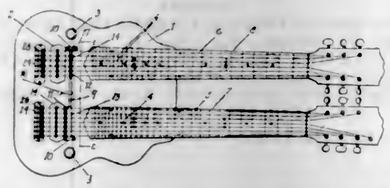
2,238,240
PROCESS AND APPARATUS FOR PRODUCING HYDROCARBONS
Gustav Wirth, Leuna, Germany, assignor, by mesne assignments, to William Ellyson Currie, New York, N. Y.
Application March 23, 1940, Serial No. 325,517
In Germany April 29, 1939
5 Claims. (Cl. 260—449)



1. A process for the production of hydrocarbons containing more than one carbon atom in the molecule by catalytic conversion of carbon monoxide with hydrogen in a plurality of reaction systems from which the heat evolved is removed by indirect heat exchange relation with a cooling liquid, which comprises bringing each of the said systems into indirect heat exchange relation with a separate amount of cooling liquid, condensing the vapors formed from each of the said separate amounts of cooling liquid in a separate system by indirect heat exchange relation with the same body of a secondary liquid and recycling each condensate to the heat exchange relation with the reaction system from which it is desired.

3. Apparatus for the catalytic conversion of carbon monoxide with hydrogen comprising a plurality of reaction systems, a separate closed cooling system for each reaction system, said cooling system comprising a cooling device for taking up cooling liquid and for maintaining it in relation with said reaction system, and a condenser for condensing vapors evolved from the said cooling liquid, all of said condensers being arranged in one common vessel for taking up a secondary liquid, a connection between each of said cooling devices and the condenser pertaining thereto for conducting vapors of said cooling liquid, and a connection from each of the said condensers to the cooling device pertaining thereto for returning condensed liquid.

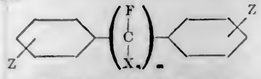
2,238,241
DAMPING DEVICE FOR MUSICAL INSTRUMENTS
Neil Abrams, Kalamazoo, Mich., assignor to Gibson, Inc., Kalamazoo, Mich.
Application May 7, 1938, Serial No. 206,599
7 Claims. (Cl. 84—267)



1. In a stringed instrument having a plurality of sets of strings, all the strings of each set being grouped together, means for alternately damping one of said sets while freeing the other for playing without interference from said one set and vice versa, comprising a pair of damping members, a rockshaft extending transversely of the sets of strings, said damping members being mounted on said rockshaft at an angle to one another, means for mounting said rockshaft for rocking movement, and an actuating element secured to said rockshaft and disposed angularly and axially on the rockshaft between said damping members.

2,238,242
AROMATIC FLUORINE COMPOUNDS
Walter J. Balon, Carneys Point, and John M. Tinker, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 24, 1939, Serial No. 280,908
8 Claims. (Cl. 260—649)

1. Organic fluorine compounds having the general formula



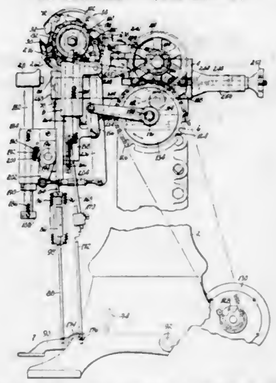
wherein X represents a halogen atom; *n* stands for one of the numerical values 0 and 1, *m* denotes a numerical value of 2 when *n* is 0 and one of the numerical values 1 and 2 when *n* is 1, and Z represents a member of the class consisting of hydrogen and alkyl groups.

8. A process of making symmetrical diphenyl difluoro-dichloro-ethane which comprises passing anhydrous gaseous hydrogen fluoride into a mixture containing 75 parts of symmetrical diphenyl tetrachloro-ethane and 107 parts of red mercuric oxide until the red color of the mercuric oxide disappears.

2,238,243
LIQUID COATING COMPOSITION
Crayton Knox Black, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 28, 1939, Serial No. 311,307
1 Claim. (Cl. 134—39)

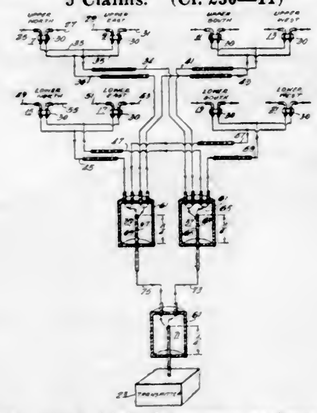
A can-stable, non-bronzing, non-aqueous liquid coating composition of the group consisting of oil and resinous paints, varnishes and lacquers, said coating composition containing as principal color constituent the lake obtained by precipitating, with barium chloride and in the presence of alumina hydrate, sulfonated copper phthalocyanine containing from 1.34 to 3.45 sulfo groups per molecule.

2,238,244
LASTING MACHINE
Charles G. Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 17, 1940, Serial No. 314,258
65 Claims. (Cl. 12—7)



1. In a lasting machine, a rotary lasting device comprising gripper jaws for gripping the margin of an upper on a last between them and for pulling the upper and comprising also means for laying the margin of the upper inwardly over the bottom of the last as the device is rotated, and means for rotating said device completely about its axis in operating it.

2,238,245
ULTRA HIGH FREQUENCY ANTENNA SYSTEM
George H. Brown and Robert F. Lewis, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 30, 1939, Serial No. 282,284
5 Claims. (Cl. 250—11)



1. An ultra high frequency antenna system comprising a supporting structure having a plurality of angularly disposed faces, a plurality

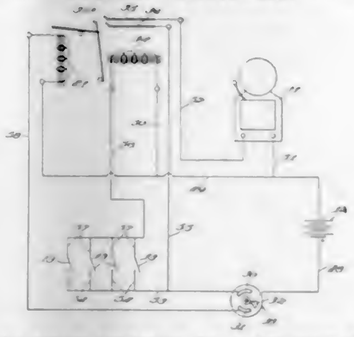
of dipole antennas each having coaxially extending radiating elements, at least one of said antenas being adjacent and substantially parallel to each face of said supporting structure, and means for producing in phase currents in corresponding elements of said dipole antennas, said structure faces being adapted to reflect energy radiated from said elements and being of sufficient area to shield the antenna adjacent one face from antennas adjacent the other faces so that a substantially uniform radiation pattern in a horizontal plane is thereby produced.

2,238,246

ALARM APPARATUS

Ralph E. Chapel, Hollywood, Calif., assignor of one-half to Talmage Davis, Chicago, Ill.

Application October 17, 1938, Serial No. 235,488
7 Claims. (Cl. 177—314)



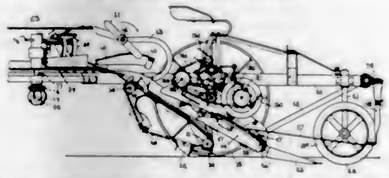
1. An alarm apparatus for a structure one of the doors of which has a lock, comprising an alarm device, means controlled by said lock and by the position of the doors, operative when said lock is in door-locking position and one of the doors is thereafter opened, to actuate said alarm device, means locking said first-named means in alarm-actuating condition, and means controlled by said lock and operative when said lock is moved to door-open position to release said second-named means to a condition in which actuation of said alarm device is discontinued and said first-named means is re-set for subsequent operation.

2,238,247

BEET HARVESTING AND TOPPING MACHINE

Richard P. Colwill, Omaha, Nebr.

Application August 28, 1939, Serial No. 292,175
11 Claims. (Cl. 55—9)



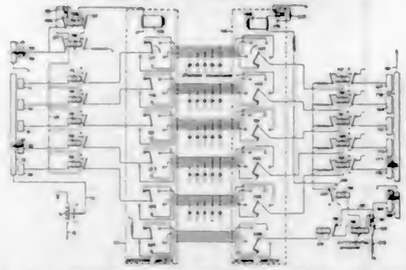
1. In a beet harvesting and topping machine, a vehicle provided with a platform, a chute leading to the platform, a ground-engaging beet-lifting plow carried by the vehicle, a pair of parallel sprocket chains arranged for conducting beets from the plow, a single sprocket chain arranged for conducting beets to the chute from the pair of sprocket chains, a third sprocket chain disposed above in the vertical plane and in operative proximity for pressing beets against the pair of sprocket chains and single sprocket chain, movable mechanism on the vehicle for delivering beets to the platform from the chute, and beet-topping mechanism movable on the platform.

2,238,248

MULTIPLEX CHANNEL REPEATER SYSTEM

Alder F. Connery, Brooklyn, N. Y., assignor to All America Cables, Incorporated, New York, N. Y., a corporation of New York

Application April 29, 1937, Serial No. 139,693
11 Claims. (Cl. 178—52)



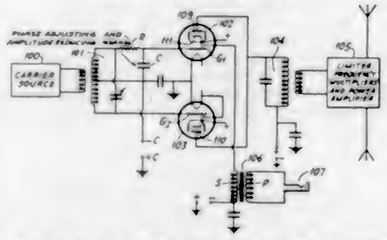
1. In combination, a multiple telegraph transmitter operable to transmit signals composed of groups of impulses in succession at a predetermined speed, means for automatically interrupting the operation of said transmitter at predetermined intervals corresponding to the transmission of a predetermined number of groups of signal impulses, a transmission line operatively associated with said transmitter, a second transmission line connected to apparatus responsive to received signal impulses at a speed lower than said predetermined speed, and repeating means provided with storage means for storing a variable number of signals interconnecting said lines for repeating said signals from said transmitter to said apparatus.

2,238,249

PHASE MODULATOR

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 27, 1938, Serial No. 237,175
7 Claims. (Cl. 179—171.5)



1. In a phase modulation system the combination of a source of wave energy of carrier wave frequency, an output circuit, a pair of electron discharge devices having input electrodes and having output electrodes coupled to said output circuit, means for impressing voltage of a first phase from said source on the input electrodes of one of said devices, means for impressing voltage of a phase differing from the phase of said aforesaid voltages by about 135 degrees on the input electrodes of the other of said devices, means for producing a ratio of substantially .707 to 1 between the amplitudes of said voltages impressed on said input electrodes, and means for controlling the impedance of that one of said devices, on which voltage of the least amplitude is impressed, at signal frequency.

2,238,250

PROCESS OF PURIFYING MOLYBDENITE CONCENTRATES

Charles H. Curtis, Miami, Ariz., assignor to Miami Copper Company, New York, N. Y., a corporation of Delaware

No Drawing. Application May 26, 1939, Serial No. 275,843
14 Claims. (Cl. 23—23)

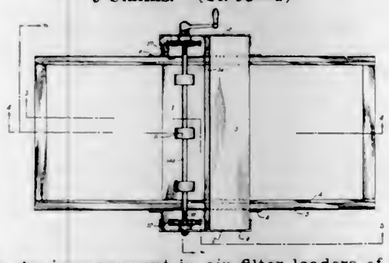
7. The process of removing copper sulphide from molybdenite bearing materials including molybdenite concentrate without an appreciable loss of molybdenite comprising treating the materials with a hot dilute solution of a strong mineral acid and a compound selected from the group consisting of manganese dioxide and material containing predominant amounts of manganese dioxide and containing not more than a small amount of iron and thereafter separating the liquid reaction products from the concentrate to free it substantially from copper compounds.

2,238,251

AIR FILTER LOADER

Verner Dahlman, Louisville, Ky., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware

Application January 31, 1940, Serial No. 316,597
9 Claims. (Cl. 93—1)



1. An improvement in air-filter loaders of the type composed of a frame having a loading area through which a corrugated filter-medium support passes with its crests and valleys extending sequentially in the line of motion, comprising: a carrier movably mounted on said frame; a blade-like element pivotally depending from said carrier in free swinging relation thereto; means for moving said carrier to direct said element downwardly into and upwardly out of a valley in said loading area for pressing an interposed filter medium into conformation with said valley; and means for directing the lower end of said element as it moves downwardly into a valley.

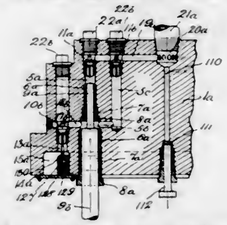
2,238,252

MULTIPLE PLUNGER VARIABLE DELIVERY PUMP

Frank L. Davis, Jr., Kenilworth, N. J., assignor of one-half to Anthony William Deller, New York, N. Y.

Application January 17, 1939, Serial No. 251,291
4 Claims. (Cl. 103—173)

1. In a multiple-plunger, variable delivery pump, the combination comprising a pump body having a plurality of pumping chambers concentrically positioned about a central axis, each of said pumping chambers having a small diameter and a large diameter portion, a reciprocable two-diameter plunger in each of said pumping chambers, high-pressure suction and discharge check valves for the small diameter portion of each of said chambers, low-pressure suction and discharge check valves for the large diameter portion of each of said chambers, a control plunger displaceably mounted in the central portion of said pump body and under the effect of discharge fluid, a plurality of levers having one of their ends pressing



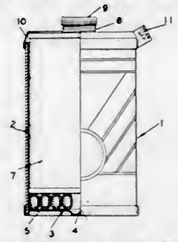
against said control plunger, resilient means acting on the other end of said levers, an annular suction compartment for said suction valves, a ring-shaped valve control member in said suction compartment adapted to be displaced to engage said low pressure suction valves and to displace the same into an inoperative position, and means operable by said levers to displace said valve control member whereby said low pressure suction valves will be displaced into an inoperative position by said valve control member after a predetermined fluid discharge pressure has been exceeded and said valves will be returned into their operative position after the pressure of said fluid has decreased below said predetermined pressure.

2,238,253

MARKETING AND DISPENSING PACKAGE FOR FLUIDS

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

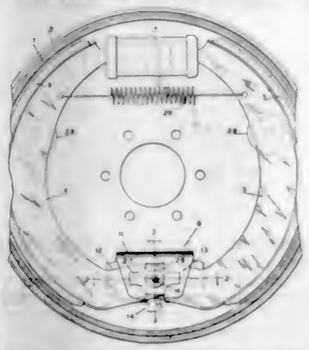
Application February 4, 1939, Serial No. 254,559
8 Claims. (Cl. 206—56)



1. Means for marketing and dispensing fluid comprising a package provided with a bottom having an opening therein, a hose positioned in said package, one end of said hose and the bottom of the package having cooperating means for permitting the hose to be connected to the bottom of the package at the opening therein, a container for fluid positioned in the package, and removable means cooperating with the top of the package for maintaining the container in the package and in engagement with the hose, said hose when connected to the opening in the bottom of the package permitting said package and

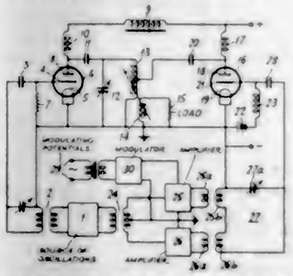
hose to be employed to dispense the fluid in the container by providing a receptacle into which the fluid can be poured and a flexible conduit for conveying the fluid.

2,238,254
MOUNTING MEANS FOR BRAKE SHOES
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 29, 1940, Serial No. 326,544
14 Claims. (Cl. 188—78)



1. In braking apparatus provided with a support and with two shoes having overlapping ends, each of which has a bearing opening, a pin extending through the openings, two bearings carried by the pin and each cooperating with a shoe opening, one of said bearings having its axis eccentric to the axis of the pin, and means cooperating with the support for preventing rotation of the pin and the bearings carried thereby, said last named means not preventing relative movement between the support and pin in at least one direction.

2,238,255
MODULATED CARRIER WAVE TRANSMITTER
William Theodore Ditcham, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1938, Serial No. 243,111
In Great Britain December 1, 1937
6 Claims. (Cl. 179—171.5)



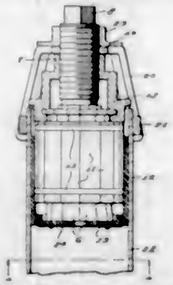
1. A modulating system comprising, in combination a source of voltages of carrier wave frequency, a class C amplifier fed from said source, means for preventing variation at modulation frequency of direct current fed to said amplifier, a load circuit for said amplifier, a source of modulating potentials, means for deriving from said sources side band energy corresponding to the modulating potentials, a second amplifier having its input excited by said side band energy and its output coupled to the load circuit of said first amplifier, said latter coupling being so adjusted that at maximum delivery of power to said load the ratio of alternating plate voltage to direct current plate voltage is substantially the same in both of said amplifiers.

2,238,256
METHOD OF MAKING CONTAINERS
William Engel, Clayton, and Harry A. Reinhardt, St. Louis, Mo., assignors to Universal-Engel Paper Box Co., Inc., St. Louis, Mo., a corporation of Missouri
Application January 12, 1938, Serial No. 184,580
6 Claims. (Cl. 93—39)



1. The method of forming a heart-shaped box which comprises stamping out a heart-shaped bottom member, forming a continuous heart-shaped side wall member symmetrical with and smaller than the bottom member, cutting a plurality of tabs around the margin of the bottom member, and externally holding the wall member in shape while simultaneously forcing the bottom member downwardly into the side wall member and deforming the tabs to conform to the arcuate shape of, and lie smoothly against, the inner faces of the side wall member.

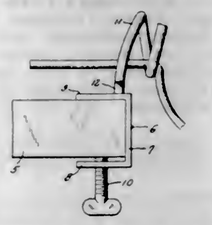
2,238,257
SAFETY PLUG
Alexander Fischer, Los Angeles, Calif.
Application July 27, 1939, Serial No. 286,910
2 Claims. (Cl. 220—24.5)



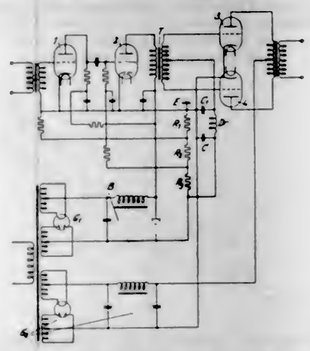
1. A safety plug comprising an expander including a substantially conical-shaped body and a screw threaded stem, expanding elements keyed on said body and coacting with each other to form a cylindrical portion, a sleeve-type gasket receiving the expanding elements and having a flanged end secured on the body, a cap rotatably connected to the expanding elements and threaded on the stem.

2,238,258
CORD HOLDER
Delbert H. Flocker, Mardela, Md.
Application February 20, 1940, Serial No. 319,967
1 Claim. (Cl. 248—51)

An electric cord guide of the character described comprising a clamp structure, and a coiled pigtail guide mounted immediately upon the clamp structure and having its coils facing in a horizontal direction.



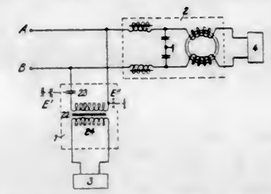
2,238,259
AMPLIFYING DEVICE
Wolfgang Hagen, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application July 20, 1938, Serial No. 220,531
In Germany July 22, 1937
2 Claims. (Cl. 179—171)



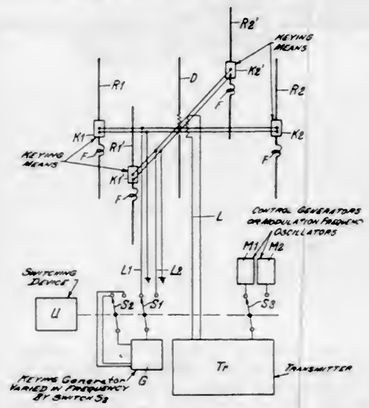
1. In an amplifying device having a plurality of thermionic valve amplifying stages operating with a substantially constant anode current and a further push-pull connected class B amplifying stage comprising a pair of thermionic valves having cathode grids and anodes and operating with a fluctuating anode current, an arrangement for supplying said valves with the necessary direct current potentials, said arrangement comprising a first direct current supply circuit connected to said first mentioned stages to cause the flow of space current therethrough, a second supply circuit connected to said last mentioned stage to cause the flow of space current therethrough, a resistor connected in series with said first supply circuit and said first mentioned stages for causing said flow of space current through said first mentioned stages alone to set up a potential drop, and connections for applying said potential drop to said grids of said last mentioned stage.

2,238,260
ELECTRIC FILTER ARRANGEMENT
Wolfgang Hagen, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application October 15, 1938, Serial No. 235,185
In Germany October 19, 1937
1 Claim. (Cl. 178—44)

A compact line-to-terminal-apparatus filter for connection directly across a symmetric line on one side and directly across a terminal apparatus on the other side and adapted to effect a substantially high pass transmission therebetween without impairing the line symmetry while simultaneously mutually matching the line resistance and the resistance of the terminal apparatus, which consists substantially of an iron-core two-winding transformer of which one winding is connected to said line and the other to said apparatus, one of said windings having a greater earth capacity at one end than at the other end and the whole transformer effectively constituting an inductive shunt arm for the filter while simultaneously effecting a resistance matching transformer coupling between said line and said apparatus, and a single condenser connected in series with said winding having the greater earth capacity at one end, said condenser being connected in series with said winding at that end having the lower earth capacity whereby the asymmetry of said winding in relation to earth neutralizes the asymmetry with respect to earth resulting from the earth capacity of said condenser.

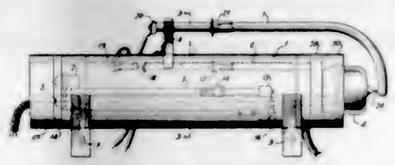


2,238,261
RADIO BEACON SYSTEM
Walter Max Hahnemann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application May 25, 1938, Serial No. 209,973
In Germany May 25, 1937
5 Claims. (Cl. 250—11)



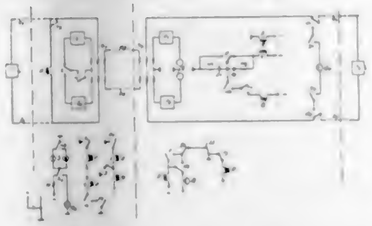
1. A radio beacon transmitter system comprising a radiating dipole antenna, a high frequency generator for continuously feeding said antenna, a plurality of reflecting means arranged about said dipole and combined to form several individual reflector systems for providing separate angularly related guiding course lines, and means for rendering said reflector systems alternately effective and ineffective.

2,238,262
ULTRA SHORT WAVE APPARATUS
William H. Happe, Jr., Brooklyn, N. Y., and Arthur K. Wing, Chatham, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 19, 1938, Serial No. 225,778
13 Claims. (Cl. 250—36)



1. A socket for an electron discharge device comprising an electrically conductive hollow cylinder, an electrically conductive partition wall dividing said cylinder into two hollow integrally connected sections, one of said sections being adapted to accommodate an electron discharge device, terminals mounted on said partition in the other of said sections for engaging the prongs of said electron discharge device, said partition having holes therein for enabling the prongs of said device to pass therethrough to contact said terminals, and dielectric spacers located between certain of said terminals and said partition for producing a capacitance therebetween, whereby radio frequency energy on said terminals can be by-passed to said partition, and hollow removable shields at both ends of and in telescopic relation to said cylinder for shielding said terminals in one section and said electron discharge device in the other section from external circuits.

2,238,263
INTERCOMMUNICATION SYSTEM
Robert Helmert, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application July 22, 1939, Serial No. 285,863
In Germany July 30, 1938
5 Claims. (Cl. 179—84)



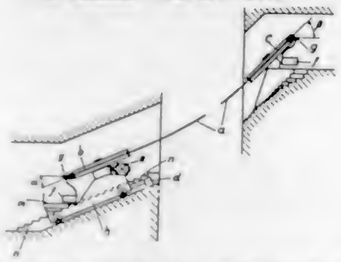
1. In an electric communication system employing means for transmitting supervisory signals of different frequencies, supervisory signal equipment for receiving and indicating said signals comprising an auxiliary relay comprising at least one winding, condensers, a relay selectively responsive to supervisory signals of different frequencies for selectively charging said condensers in the same sense through said winding and alternately discharging said condensers dependent upon the frequency of a received supervisory signal, and indicating means controlled by said relays.

2,238,264
ELECTRON TUBE
Felix Herriger, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof (Germany) Lorenzweg, a company
Application September 10, 1938, Serial No. 229,245
In Germany September 13, 1937
4 Claims. (Cl. 250—27.5)



1. An electron tube comprising a first cathode and a second cathode, a first anode facing a first surface of both said cathodes, a second anode facing a second surface of both said cathodes, a first grid coiled around one of said cathodes, a second grid coiled around the other of said cathodes, and means to prevent electron current from flowing between said first surface of said first cathode and said second anode and between said second surface of said second cathode and said first anode.

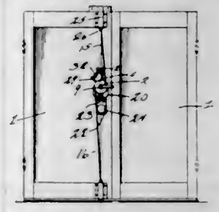
2,238,265
ROPE RAILWAY
Franz Hunziker, Lucerne, Switzerland
Application January 19, 1938, Serial No. 185,750
In Germany January 30, 1937
31 Claims. (Cl. 104—180)



1. In aerial ropeways, the combination with a cable running over end guide sheaves and a load carrier, of means for mounting said carrier on said cable for swinging movement on the axis of the cable and on an axis normal to the axis of the cable, said means including a member, relatively short with respect to the guide sheave circumference, directly connected to the cable, a shaft having a bearing located at right angles to the axis of the shaft and pivotally mounted on said member whereby said shaft may move bodily around said member, a load-carrying hanger pivotally mounted on said shaft, and an oscillation damper for damping the movements of said hanger on said shaft, said damper comprising discs connected to said shaft, other discs keyed to said hanger and interspaced with said first discs, and spring means holding said discs in contact to serve as a friction clutch.

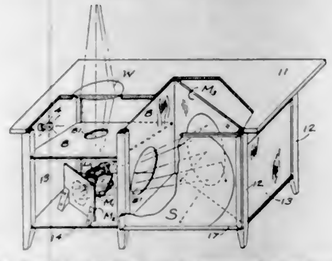
2,238,266
DOOR LATCHING MECHANISM
Carl Martin Johnson, Goodman, Wis.
Application June 6, 1939, Serial No. 277,719
3 Claims. (Cl. 70—146)

1. A door latching mechanism of the character described, comprising a drum body, a shaft extending axially through the drum and adapted to be extended through a door, handles mounted upon said shaft at opposite sides of the door, a spring projected reciprocably supported bolt adapted to be mounted upon the door, a cable having an end attached to said drum to be wound up thereon and having its other end connected with said bolt to retract the same against the actuating spring therefor, a key controlled



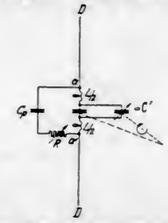
locking bolt adapted for connection with said drum to secure the latter against turning, and spring means normally urging the rotation of said drum in opposition to said last bolt and in a direction to wind up said cable thereon.

2,238,267
LECTURE AND PROJECTION DESK
David Katz, Wilmington, Del.
Application December 19, 1938, Serial No. 246,555
7 Claims. (Cl. 88—24)



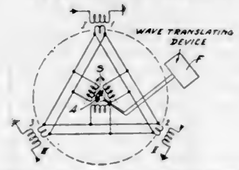
1. A device of the character described, comprising in combination a lecture desk for use by a lecturer facing an audience, said desk comprising a body of furniture material defining a substantially enclosed chamber within the interior of the desk; a transparent writing panel in the top of said desk adapted to transmit into said interior chamber light-rays coming from sources above said desk; a shadow-transmitting projection screen supported on the body of the desk and replacing part of the furniture material defining said enclosed chamber; means above said desk for directing a concentrated beam of light downwards through said transparent writing panel into said interior chamber; an optical projection system mounted in said interior chamber in optical alignment with said writing panel and said light-beam directing means; said optical system including a focussing lens and an odd plurality of plane mirrors; means for supporting said focussing lens and mirrors in operative relation to each other and with respect to said projection screen whereby to direct said beam of light onto the inner side of the projection screen while simultaneously projecting thereon shadow-images of opaque figures formed by a lecturer on the upper surface of said writing panel, said supports for the mirrors being further fashioned and adjusted for holding the mirrors in such positions with respect to each other as to give to the final segment of the beam of light as it approaches the projection screen an average inclination of not less than 12° to the line of sight running from the midpoint of said projection screen to the average observer in said audience.

2,238,268
REFLECTING ANTENNA FOR RADIO BEACONS
Wolfgang Kautter, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application December 27, 1939, Serial No. 311,081
In Germany January 7, 1939
1 Claim. (Cl. 250—33)



A modulating device for varying the reradiation effect of a radiation energized reflector dipole comprising an oscillatory circuit connected between the dipole parts, and a variable condenser coupled to said circuit to tune said circuit alternately to parallel resonance and to series resonance at the operating frequency dependent upon the adjustment of said condenser.

2,238,269
RADIO DIRECTION FINDER OR EMITTER
Kurt Koschmieder, Falkensee, Ost-Havelland, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 26, 1937, Serial No. 176,613
In Germany November 26, 1936
1 Claim. (Cl. 250—11)

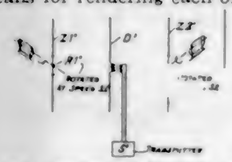


A direction finding system comprising a plurality of antennae arranged to form effectively more than two pairs, the antennae of each pair being interconnected in opposition so as to constitute a differential system, connection lines for oppositely interconnecting pairs of said antennae, transformers adapted to couple said antennae to said connection lines establishing a plurality of differential systems, a goniometer having field coils and a finder coil, the number of said field coils corresponding to the number of said differential systems, said finder coil being connected to a wave translating device.

2,238,270
RADIO DIRECTION FINDING SYSTEM
Ernst Kramar and Heinrich Nass, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application January 24, 1939, Serial No. 252,522
In Germany November 30, 1938
2 Claims. (Cl. 250—11)

1. In a radio transmitting system for obtaining course lines by amplitude comparison between radiation diagrams which are modulated independently of one another by different modulation frequencies, a first antenna system, a

transmitter continually feeding said first antenna system for producing a non-directional radiation diagram of given amplitude, additional parasitically energized antenna systems in cooperation with said first antenna system for producing with said first antenna system further radiation diagrams intersecting each other and also intersecting said non-directional diagram and extending therebeyond in at least one direction, and means for rendering each of said addi-

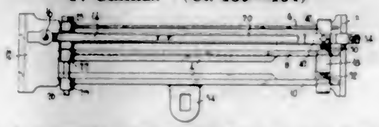


tional antenna systems effective in different rhythm to produce different modulation frequencies of predetermined amplitude, the resulting difference between the amplitude of said non-directional radiation diagram and the amplitudes of said further radiation diagrams resulting from said cooperative relationship between said first antenna system and said additional antenna systems producing the indicating modulation amplitude.

2,238,271

SHUTTLE BOX AND BINDER THEREFOR

George W. Kretzschmar, Ridgewood, N. J.
Application May 17, 1938, Serial No. 208,457
17 Claims. (Cl. 139—184)



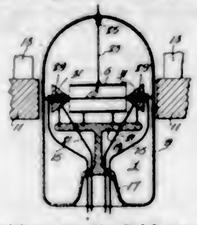
1. A multiple cell shuttle box comprising upper, lower, and intermediate longitudinal members, said lower and intermediate members being solid throughout and forming the floors of the cells, said floors being of a width, throughout the length thereof, greater than the width of the shuttle to be accommodated thereon, thereby preventing the filling thread from dropping below the floor of each cell, and a binder mounted in the upper portion of each cell and extending the full length of the shuttle box with no intervening parts interposed between the binder face and the shuttle in its flight into the cell so as to permit operation of the binder throughout its entire length, said binder being of a width so as to contact with the shuttle only above the eyelet, so as to leave space below the contact portion for the free movement of the filling thread in the cell above the floor thereof and rendering the filling thread operation visible in the shuttle box without stopping the loom.

2,238,272

MAGNETICALLY CONTROLLED MAGNETRON

Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1937, Serial No. 182,401
14 Claims. (Cl. 250—27.5)

14. A magnetron comprising means for producing a magnetic flux, an electron discharge device having cathode and anode electrodes, said magnetic flux passing within said device parallel to said cathode, and one or more suitably shaped elements of high magnetic permeability so designed and arranged within the magnetic field

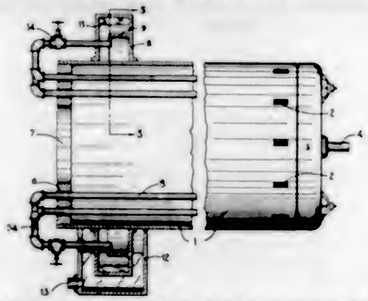


as to make said magnetic field non-uniform within said anode electrodes.

2,238,273

ROTARY COOLER

Adolph W. Lissauer, Louisville, Ky., now by judicial change of name Arthur Wilmer Lissauer, assignor to Louisville Drying Machinery Company, Louisville, Ky., a corporation of Kentucky
Application October 2, 1939, Serial No. 297,473
4 Claims. (Cl. 257—93)



3. A cooler of the rotary-tube type comprising: a rotary cylinder having cold and hot ends; an inlet header mounted on the cylinder adjacent its cold end; a false header mounted on the cylinder adjacent its hot end; a hollow ring-like outlet header mounted on the periphery of the cylinder adjacent the hot end, said header having peripheral discharge openings; and a series of tubes extending from the inlet header through the cylinder and the false header and then turning re-entrantly outward to discharge into said outlet header.

2,238,274

STRAP SANDAL AND INSOLE THEREFOR

Horatio S. Lyness, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. a corporation of New Jersey
Application April 18, 1939, Serial No. 268,625
8 Claims. (Cl. 36—11.5)



1. A strap sandal comprising an insole having an edge of substantial thickness, an edge piping comprising a strip of sheet material folded widthwise and having marginal portions overlapped upon one another and secured to the upper side

of the insole, the portion of said strip adjacent to the fold projecting beyond the insole and being offset toward the lower side of the insole so as to form a bead closely adjacent to and covering the edge of the insole, a plurality of straps having end portions inturned over said bead and secured to the lower side of the insole, and an outsole attached to said inturned end portions of the straps.

2,238,275

METHOD OF FLUSHING WATER WET PIGMENTS IN OIL

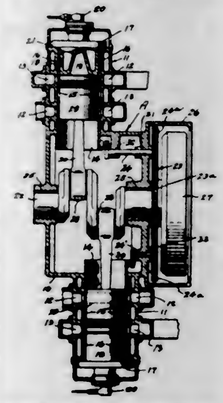
Thomas Anthony Martone, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1939, Serial No. 276,223
2 Claims. (Cl. 134—58)

1. The process of converting an aqueous pigment paste into an oily pigment paste, which comprises treating an aqueous pigment paste containing a water-soluble dispersing agent capable of increasing its fluidity without substantially diluting the same, with a water-soluble salt which is capable of forming a water-insoluble compound with the said dispersing agent and then stirring into the mass a quantity of organic water-insoluble, oily liquid sufficient to displace the water in the voids of the pigment, producing an oily paste.

2,238,276

ENGINE

Andre J. Meyer, Lexington, Ky., assignor, by mesne assignments, to Continental Aviation and Engineering Corporation, a corporation of Virginia
Application November 30, 1938, Serial No. 243,066
3 Claims. (Cl. 123—55)

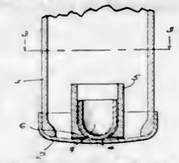


1. In a sleeve drive mechanism for a radial sleeve valve internal combustion engine including a crankcase, a crankshaft supported by said crankcase, a plurality of cylinders radially disposed about the crankshaft, sleeve valve means operable in each of said cylinders for controlling the engine cyclical events, sleeve drive cranks one for each of said sleeve valve means, a common drive element for said sleeve drive cranks, and means for drivingly connecting said common drive element with said crankshaft, including a planetary intermediate driving mechanism.

2,238,277

COMBINATION TUBE CLOSURE AND ELECTRODE FOR NEON TUBES

Maurice Miller, Latham, N. Y.
Application February 9, 1940, Serial No. 318,154
10 Claims. (Cl. 176—126)

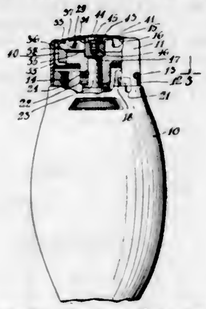


4. A combined closure and electrode for the glass tube of a gaseous electric discharge device comprising a shallow metal cup adapted to fit closely over the end of said tube, whereby it may be readily fused thereto, and having a depth substantially less than its diameter, a second metal cup having an exteriorly rounded bottom welded to the inside bottom of said first mentioned cup, and a sleeve of refractory material laterally surrounding said second cup and having an inwardly-extending annular lip projecting under said second cup.

2,238,278

SHAVING DEVICE

Frederick E. Moskovics, Greenwich, Conn., and Victor R. Abrams, Maplewood, N. J., assignors, by direct and mesne assignments, to Eleanor U. Andrews, Greenwich, Conn.
Application May 28, 1938, Serial No. 210,682
12 Claims. (Cl. 30—43)



1. In a shaving device, the combination of a thin, apertured, skin-contacting shear plate, an inner cutter member having at least one outwardly extending slot therein, a blade movably disposed in said slot, said blade having a plurality of substantially parallel shearing edges inclined at an acute angle to the axis of the blade and contacting the under surface of said shear plate, and means for rotating the cutter about an axis substantially normal to the shear plate to wipe the shearing edges over said under surface to sever hairs projecting through the apertured shear plate.

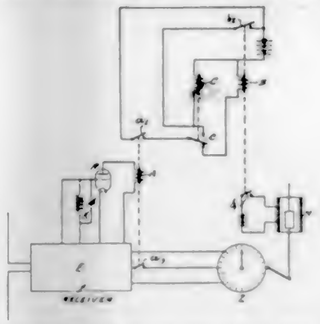
2,238,279

ELECTRIC INDICATING DEVICE

Ernst Müller, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application February 1, 1939, Serial No. 253,991
In Germany February 4, 1938
6 Claims. (Cl. 250—2)

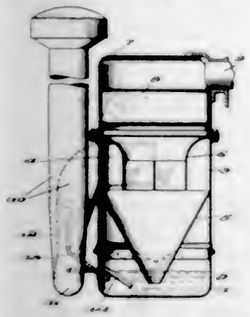
1. In combination with an electric indicating device and a radio receiver in cooperation with

a radio transmitter operating with effective and ineffective periods, comprising an arrangement for restoring said indicating device to normal subsequent to an indication produced by signals picked up by said receiver operatively associated with said receiver, which arrangement comprises a first relay connected to said receiver and oper-



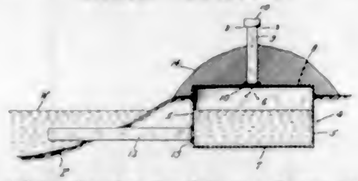
able in response to effective periods of said transmitter, a local circuit containing further relays means operative in response to the energization of said first relay for completing a circuit to operate said further relays, and means responsive to operation of said further relays restoring said indicating device to normal position.

2,238,280
AUTOMATIC AUTOMOTIVE AIR FILTER
Arthur Nutting, Louisville, Ky., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application April 4, 1938, Serial No. 199,850
2 Claims. (Cl. 183—8)



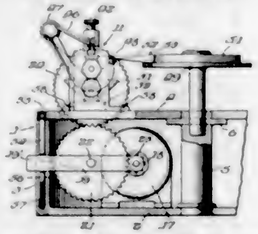
1. An automotive air filter comprising: a casing having a top air outlet, a bottom liquid reservoir and an air inlet therebetween; a viscous impingement air filter medium operatively positioned within said casing to filter air passing between said inlet and outlet; an open-ended cone vertically arranged within and fitted to said casing between said inlet and reservoir, the smaller end of said cone extending downwardly into said reservoir; said cone cooperating with said casing to form a vertically arranged conical double-vortex "cyclone" separator which is adapted to receive air tangentially through said inlet, centrifugally preclean it and then discharge it upwardly through said medium; an air-inlet pipe connected to said inlet; and means for supplying liquid from said reservoir to said air inlet pipe.

2,238,281
AERATOR
Nick Olki, Calumet, Minn.
Application December 1, 1939, Serial No. 307,160
1 Claim. (Cl. 119—3)



A safety chamber for fish in a frozen pond or lake comprising a casing buried in the earth adjacent the pond or lake and to a depth beyond the freezing point, a conduit leading from the casing adjacent the bottom thereof into the water of the lake or pond well below the water level thereof, said conduit permitting fish to enter the casing and water to flow into the casing and from the casing, said casing having a large upper part located above the plane of the water surface, whereby the water in the casing will leave a large air chamber in the upper part of the casing and an air pipe in communication with the air chamber and extending upwardly from the top of the casing through the earth to a point above the earth and a cap closing the upper end of the pipe, the upper part of the air pipe having an opening therein for the entrance of air through the pipe into the air chamber.

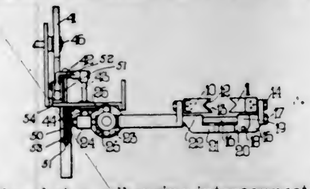
2,238,282
RIBBON INKING MACHINE
Vernon J. Peaks, Aurora, Ill., assignor of one-half to S. Eugene Miller, Aurora, Ill.
Application May 10, 1939, Serial No. 272,761
6 Claims. (Cl. 91—51)



4. In a ribbon inking machine, the combination of a container having side walls, a bottom and a cover, a plurality of inking mechanisms carried by said cover, each of said mechanisms having a driven gear, an arm movably mounted in said container, a driving gear carried by said arm, said cover being movable relative the container to position any one of said mechanisms in operative position relative said driving gear, said arm being operative to move said driving gear into and out of operative engagement with respect to the driven gear of the adjacent positioned inking mechanism.

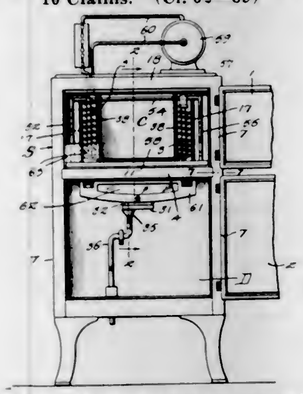
2,238,283
SHEARING MEANS
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, New York, N. Y., a corporation of New York
Application September 15, 1936, Serial No. 100,939
In Great Britain September 23, 1935
14 Claims. (Cl. 49—14)

11. A shearing mechanism for glass feeding machines, comprising a spindle mounted for rotation on a vertical axis, a laterally projecting arm secured to the spindle for swinging movement about the axis thereof, shear blades supported by and longitudinally movable with respect to the arm for shearing action, a disc journalled on said spindle, operative connections between said disc and said shear blades to move the latter upon relative rotation between the disc and arm, a spring-pressed latch connection adapted to transmit rotation from said arm to said disc, a sta-



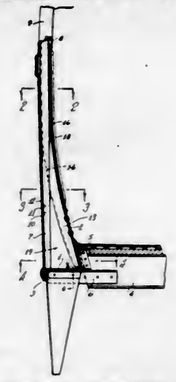
tionary bracket, a coil spring interconnecting said bracket and disc and disposed to be tensioned upon rotation of the disc relative to the bracket, and abutment means operative after a predetermined extent of the swinging movement of said arm, to arrest the rotation of said disc therewith, said spring-pressed latch being released by the arresting of the rotation of the disc, thereby permitting the tension of said spring to rotate the disc relative to said arm and actuate the shears.

2,238,284
REFRIGERATING APPARATUS
Arthur J. Pedigo, Cookeville, Tenn.
Application May 21, 1938, Serial No. 209,333
10 Claims. (Cl. 62—89)



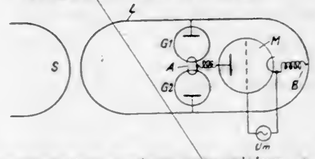
1. A refrigerating apparatus comprising, in combination, a case, a horizontally disposed grid supported within the upper portion of the case, said grid constituting a bottom for an ice chamber, panels interposed between the grid and the top of the case, said panels constituting the side walls for the ice chamber, additional panels extending upwardly from the grid and positioned between the first named panels and the side walls of the case, said second named panels terminating below the top of the case, a mechanical refrigerating unit including absorption elements within the space between the panels at each side of the ice chamber, a perforated plate supported within the case below the grid, the grid providing means to form the lower portion of an ice block within the ice chamber into depending columns, said columns contacting with the perforated plate as they pass down through the grid, and a draining means within the case underlying the perforated plate.

2,238,285
CAR BODY CONSTRUCTION
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application March 9, 1939, Serial No. 260,813
8 Claims. (Cl. 105—418)



1. In a car body, a plurality of cross-beams, car body walls comprising sheet material extending past the ends of said cross-beams, a side sill extending past the ends of said cross-beams longitudinally along each side of the body, each sill having an upstanding portion at its inner edge connected to the adjacent ends of the beams and a depending portion at its outer edge connected to respective walls and constituting means for connecting and spacing said walls from the ends of said beams, posts attached to said first named portions and arising from said sills at intervals therealong between said walls and the ends of said beams and converging into contact with said walls, and a liner forming a cover for the upper surface of each sill overlying the inner edge thereof and extending substantially thereover and thereabove and forming an air duct therewith and with the adjacent wall, said liner being attached to said posts.

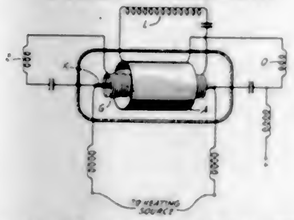
2,238,286
MODULATION SYSTEM
Leo Pungs, Brunswick, Germany
Application March 4, 1939, Serial No. 259,721
In Germany March 5, 1938
8 Claims. (Cl. 179—171.5)



1. A modulating system comprising, a source for generating high frequency oscillations, a high frequency circuit coupled thereto, a source of low frequency modulation oscillations, impedance means connected with said last mentioned source and being variable in response to the amplitude of modulation oscillations applied thereto, and rectifying means connected to said high fre-

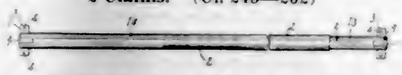
quency circuit and in series with said impedance means, the current through said rectifier means being controlled by said variable impedance in accordance with the modulation oscillations generated in said last mentioned source.

2,238,287
ULTRA SHORT WAVE AMPLIFIER
Ernst Rahn, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, Berlin, Germany, a corporation of Germany
Application April 19, 1939, Serial No. 268,719
In Germany May 13, 1938
5 Claims. (Cl. 179—171)



1. An amplifier for ultra short waves comprising an electron discharge device having anode, cathode and grid electrodes enclosed within an envelope, each of said electrodes having terminals extending through opposite sides of said envelope, a source of heating energy for said cathode, and a pair of leads from said source to opposite terminals of said cathode, an input circuit coupled between the grid and cathode terminals on one side of said envelope, and an output circuit coupled between the anode and cathode terminals on the opposite side of said envelope, and means for neutralizing the capacity coupling between input and output circuits resulting from inherent capacity between grid and anode, said means being independent of both said input and output circuits and comprising a reactance coupled between one terminal of said grid and one terminal of said anode.

2,238,288
CURTAIN ROD BRACKET
Fred W. Richardson, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application July 8, 1940, Serial No. 344,393
2 Claims. (Cl. 248—262)



1. A sheet metal bracket for hollow sheet metal curtain rods comprising a base, a member adapted to be inserted in the end of a rod to bear against the inner side of the wall thereof, and a clamping member comprising a tongue struck up from said first member and bent to bear against the outer side of the wall of a rod to clamp the wall against said first member, said first member being bent to extend diagonally away from a point on said second member between its ends and terminating in a lip adapted to be inserted in the end of a rod, whereby a rod will be guided to position for clamping between said members.

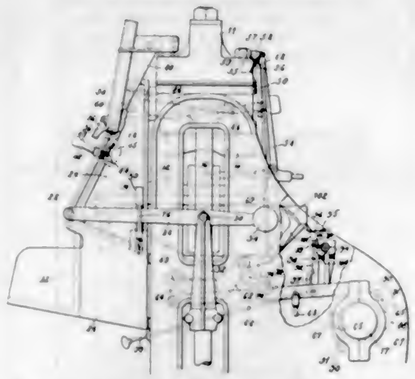
2,238,289
SHEATHING SYSTEM
Nicholas Rippen, New York, N. Y.
Application April 21, 1932, Serial No. 606,620
14 Claims. (Cl. 114—84)

1. The combination of a sheathed member, sheathing and general means securing said sheathing on said member and comprising a welding-part having therein at least one welding-



opening substantially opening to said sheathed member, said welding-part being welded thereto within said welding-opening and being appreciably spaced from said sheathing.

2,238,290
SAFETY DEVICE FOR POWER-OPERATED MACHINES
Arthur Alan Rivington and Wilfrid Thomas Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 31, 1939, Serial No. 287,502
In Great Britain August 18, 1938
10 Claims. (Cl. 192—134)

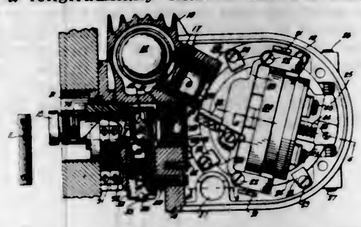


1. In a power-operated machine, the combination with means for operating upon work, of a guard arranged to extend across the front of the machine and movable heightwise of the machine into and out of operative position in front of said operating means, a lever movable in opposite directions respectively to start and to stop the machine, a pair of arms arranged alternately to move said starting lever in the direction to stop the machine, an abutment associated with each of said arms for holding said starting lever against movement in the direction to start the machine, and means for moving said starting lever out of engagement with either one of said abutments in response to movement of said guard into operative position.

2,238,291
PHOTOGRAPHIC SOUND RECORDER
Frank E. Runge, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 23, 1938, Serial No. 203,768
5 Claims. (Cl. 179—100.3)

1. In a sound recording unit, a galvanometer mounting comprising a turntable, means for rotationally adjusting said turntable, a yoke mounted on said turntable, trunnions mounted

in said yoke for supporting the galvanometer, and a longitudinally slidable member mounted



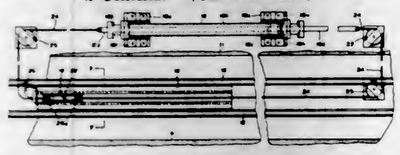
in said turntable for adjusting said galvanometer on said trunnions.

2,238,292
FISH LURE
Earl Christophel Schavey, Shreveport, La.
Application May 1, 1939, Serial No. 271,151
4 Claims. (Cl. 43—42)



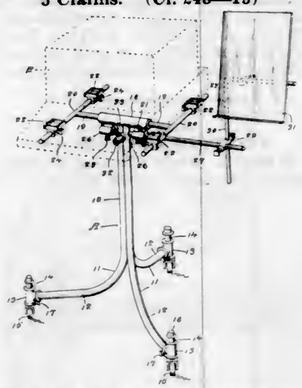
1. A fish lure of the class described comprising a body having a head part of substantially cup shape and a tail part of channel shape in cross section, a stabilizer connected with the bottom of the tail part, means for connecting a fish hook to the body, a shaft connected to the front end of the body, a propeller carried by the shaft, said propeller including a substantially centrally arranged part having its ends bent at right angles in the same direction and perforated to receive the shaft, and a pair of wings extending outwardly from opposite sides of said centrally arranged portion with one wing bent at substantially right angles and the other wing curving outwardly and in an opposite direction to the first wing, said wings being of substantially cup shape and forming openings where their rear edges join the centrally arranged part.

2,238,293
HYDRAULIC PROPELLER MECHANISM
Eugene W. Schellentrager, Shaker Heights, Ohio, assignor to The Atlas Bolt and Screw Company, Cleveland, Ohio, a corporation of Ohio
Application June 5, 1940, Serial No. 338,894
2 Claims. (Cl. 104—155)



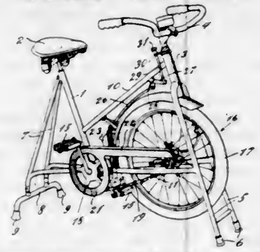
1. The combination with a kiln having cars movable therethrough along a track, of a power cylinder located outside the area occupied by said kiln and to one side of said kiln track, a piston in said cylinder having piston rods extending in opposite directions, cables connected to opposite ends of said piston rods, said cables entering said kiln at spaced points therealong and passing around guide sheaves and extending parallel to said kiln track, a dolly in said kiln movable parallel to said track, said cables being connected respectively to opposite ends of said dolly, and means on said dolly for engaging a car on said track.

2,238,294
TYPEWRITER STAND
Elmer J. Scott and Edward T. Nissen, Denver, Colo.
Application September 23, 1939, Serial No. 296,318
5 Claims. (Cl. 248—13)



1. A stand of the character described comprising a pedestal formed with a single upright and a head at the upper end of the upright and having supports socketed therein for adjustment of the said supports in directions at right angles to each other in a horizontal plane and turnable to a vertical plane.

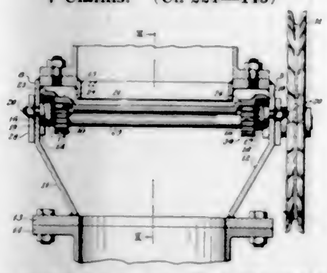
2,238,295
EXERCISER
Harry W. Snyder, Little Falls, N. Y., assignor to H. P. Snyder Mfg. Company, Inc., Little Falls, N. Y., a corporation of New York
Application July 25, 1940, Serial No. 347,395
2 Claims. (Cl. 272—73)



1. An exerciser comprising a rear fork having a pair of legs lying in an inclined plane and a front fork having a pair of legs lying in another inclined plane, said planes being inclined toward each other, the legs of said forks diverging downwardly; a transverse brace comprising a pair of bifurcated members having legs lying in a plane intersecting the planes of the rear and front forks, the said pair of bifurcated members being joined at their convergent ends to a bearing member carrying a crank shaft for driving the exerciser, the said bifurcated members being joined at their divergent ends to the divergent legs of the rear fork and front fork, respectively; a front post extending from the convergent end of the front fork, a rear post joined at one end to the convergent end of the rear fork and at the other end to the bearing member on the transverse brace and forming a pyramidal support for a seat carried by said rear post, a top bar connecting the rear and front posts, the axis of the said bar defining, with the axis of the rear post, the plane

of the front fork and the plane of the transverse brace a substantially trapezoidal area; a driven wheel rotatably mounted on said transverse brace between a pair of the bifurcated members of said brace and occupying a portion of said trapezoidal area; braking means mounted on said transverse brace and adapted to apply, when placed in operative position, a controlled braking force to said wheel, and means carried by said top bar to place said braking means in operative position.

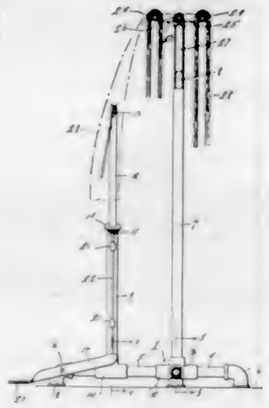
2,238,296
CONTROLLING DEVICE
Arthur J. Stock, Cleveland, Ohio
Application January 5, 1938, Serial No. 183,482
7 Claims. (Cl. 221—145)



1. An apparatus for handling aggregate which comprises a pipe including an upper section and a lower section, the lower section having greater cross-section than said upper section, a flange extending at right angles from all sides of said upper section to said lower section to form a shoulder at the junction between the two sections, means connected to said lower section whereby a static column of the aggregate may be formed in said pipe, a nozzle extending into said lower section from the opening between said sections, a gate positioned immediately below the shoulder within the lower section to cover the open end of said nozzle, said gate having raised step flanges along two opposed edges and adapted to underlie said shoulder between the nozzle and the walls of said lower section and be mounted upon means adapted to permit movement of said gate transversely of said opening, and means for moving said gate transversely of said opening on said supporting means, said gate supporting means and said gate moving means being positioned beneath said shoulder and between said nozzle and the walls of said lower section to thereby protect said two means from possible contact by said aggregate and also permit the closing of said gate through a static column of the aggregate by furnishing space into which aggregate in the path of the gate may be displaced.

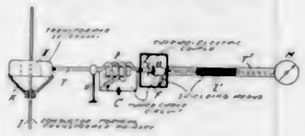
2,238,297
GARMENT BAGGING DEVICE
John L. Timm, Carl A. Normington, and Kenneth L. Staven, Wisconsin Rapids, Wis.
Application March 12, 1940, Serial No. 323,602
3 Claims. (Cl. 248—161)

3. A garment bagging device, comprising a base, including a horizontal portion, a vertical tubular body connected to the horizontal portion of the base by a coupling union, an end of said union forming a shoulder at the lower end of the tubular body, a treadle arm pivotally attached to the said horizontal portion of the base for oscillation on a horizontal axis, said treadle arm at one end being flattened to form a treadle and said arm at its other end being laterally turned toward the tubular body to form a flange, the flange overlying said shoulder and normally resting thereon to prevent the said other end from moving downwardly beyond a predetermined position, a rod slidably supported in the tubular body, the rod being designed to support a garment hanger, a flat annulus encircling the rod and engaging said obliquely cut end of the body



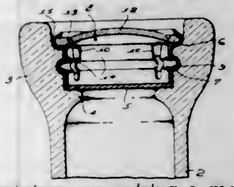
to be canted thereby into holding connection with the rod, guide members secured to the side of the tubular body nearest the low side of the obliquely cut end thereof, and a trip rod slidably held in parallel relation with the tubular body by and extending through said guide members and resting at its lower end upon the lateral flange of said arm and having its upper end disposed beneath the low side of the canted annulus.

2,238,298
HIGH FREQUENCY CURRENT MEASURING DEVICE
Hans Wehrlin, Gumligen, near Berne, Switzerland, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Original application February 18, 1937, Serial No. 126,531. Divided and this application September 22, 1938, Serial No. 231,181. In Germany February 18, 1936
8 Claims. (Cl. 171—95)



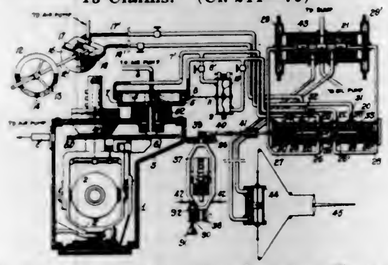
1. A high frequency meter assembly comprising a high frequency current transformer, a high frequency current measuring device comprising a thermo-electric-couple, a shielded conductor line interconnecting said transformer and said thermo-electric-couple, a direct current indicator, shielded means interconnecting said thermo-electric-couple and said direct current indicator, and a choke means formed from said shielded conductor line interposed between said transformer and said high frequency measuring device at a point near said measuring device.

2,238,299
CONTAINER
John T. Wilson, Somerset, Ky.
Application October 24, 1939, Serial No. 301,038
2 Claims. (Cl. 215—85)



2. A container comprising a mouth including an internal shoulder, a seat in the mouth below the shoulder, a closure disc mounted on said seat, said mouth further having a circumferential groove therein between the shoulder and the seat, a bushing of resilient material mounted in the mouth and engaged with the closure disc, said bushing having substantially V-shaped, vertical slots therein providing a plurality of resilient segments, an external rib on the bushing engaged in the groove, an external bead on the upper portion of the bushing engaged on the shoulder, and a disc of frangible material mounted in the bead and constituting means for preventing inward flexing of the resilient segments.

2,238,300
AIRPLANE AUTOMATIC PILOT WITH AUTOMATIC BANKING
Stephen J. Zand, Forest Hills, and Theodore W. Kenyon, Huntington, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 14, 1938, Serial No. 207,920
Renewed July 16, 1940
13 Claims. (Cl. 244—76)

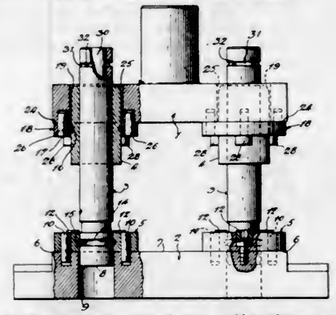


1. In an automatic pilot for aircraft, a gyro vertical, a servomotor normally controlled from said gyro vertical for governing the ailerons, a pendulum for alternatively controlling said servomotor, and means responsive to turn of the craft for transferring the control of said servomotor from said gyro vertical to said pendulum.

2,238,301
BLUEPRINT COATING
Robert Bowling Barnes, Stamford, Garnet Philip Ham, Riverside, and Leonard Patrick Moore, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 10, 1940, Serial No. 328,886
6 Claims. (Cl. 95—7)

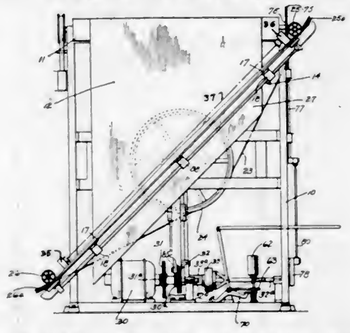
1. A blueprint coating solution containing a light sensitive ferric salt and diammonium sodium ferricyanide as its main ferricyanide component.

2,238,302
DIE SET
Emil A. Baumbach, Chicago, Ill.
Application June 17, 1940, Serial No. 340,911
12 Claims. (Cl. 164—118)



1. A die set comprising a die shoe, a punch holder, a pair of leader pins secured to said die shoe for guiding the punch holder, guide bushings for said leader pins secured to said punch holder, said die shoe and punch holder having plane finished surface portions surrounding and perpendicular to the axes of said leader pins, said leader pins having laterally extending annular flanges having plane finished faces perpendicular to said axes engaging the plane finished surfaces of the die shoe, dowel pins engaging said flanges and die shoe for positioning the leader pins, securing screws extending through said flanges and threaded into the die shoe for holding the pins in place, said bushings having laterally extending annular flanges having plane finished faces perpendicular to the axes of said bushings and leader pins engaging the finished surfaces of the punch holder, dowel pins engaging said flanges and punch holder for positioning the bushings, and screws extending through said flanges and threaded into the punch holder for holding the bushings in place.

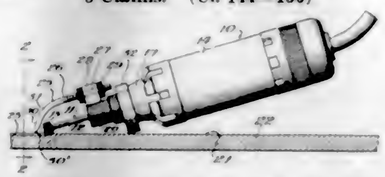
2,238,303
BIAS CUTTER CONTROL MEANS
Bernard J. Beitman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 10, 1939, Serial No. 255,709
9 Claims. (Cl. 164—73)



1. In a bias cutter the combination with a sheet-feeding means for advancing said sheet material, a sheet-severing means for severing said sheet material after it has advanced a certain distance, means for actuating said severing

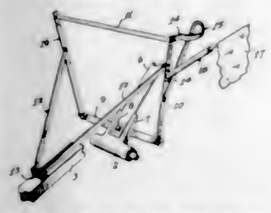
means and means comprising a clutch for connecting and disconnecting said severing means and said actuating means, an electric eye mechanism for detecting when the sheet is improperly positioned to be cut and a solenoid operated by said electric eye mechanism and connected to said device for preventing actuation thereof when a portion of the sheet material moves appreciably out of its normal plane.

2,238,304
CUTTING TOOL
Albert P. D. Belanger, Chicago, Ill., assignor to Chicago Wheel & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1938, Serial No. 234,735
8 Claims. (Cl. 144—136)



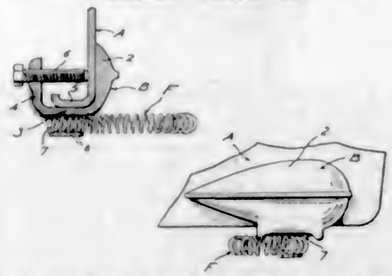
1. A portable tool of the character described having a handle adapted to be grasped by the workman to support and manipulate the tool, rotative driving means in said handle terminating in a drive shaft at one end of the handle, a cutting tool axially mounted on said drive shaft and having its operative cutting element located remotely with relation to said shaft, a guard sleeve surrounding said shaft and mounted on said handle, a guide ring mounted on said guard sleeve in a plane perpendicular to the axis of said sleeve and adapted to be rotatably adjusted about said sleeve, means for securing said ring in adjusted position, said ring having its outer edge surface helically formed so as to provide guiding surfaces at different radial distances from the axis of said sleeve, and guiding means secured to said guard sleeve and projecting therefrom to a point adjacent to but offset laterally from the cutting element of said cutting tool.

2,238,305
GUARD FOR MOWERS
Clarence M. Branch, Mason City, Ill.
Application April 5, 1940, Serial No. 328,023
3 Claims. (Cl. 56—1)



1. In a guard for mowing machines, the combination with a mower frame and a rider's seat, of a cross member affixed to a part of the frame, a pair of members uprising from the cross member and having fixed relation thereto, the members of the pair being spaced apart and lying at opposite sides of a line passing through the seat and paralleling the direction of travel of the mower, a bar secured to and extending between the members forward of the seat, and a guard portion fixed with respect to one of the members and extending rearwardly therefrom and substantially paralleling the line of travel.

2,238,306
CURB FEELER FOR AUTOMOBILES
Benjamin D. Braswell, Los Angeles, Calif.
Application October 7, 1939, Serial No. 298,444
5 Claims. (Cl. 116—28)



1. A device of the character described comprising: a bracket attachable to a resonant portion of the body of a vehicle, and a feeler formed of a helically coiled spring secured at its ends to said bracket, the portion intermediate said ends forming a loop disposed substantially in a horizontal plane and extended outwardly from said vehicle for engagement with a curb or the like, for the purpose described.

2,238,307
THERMOPLASTIC PROTEIN MATERIAL
George H. Brother, Urbana, and Leonard L. McKinney, Champaign, Ill., assignors to Secretary of Agriculture of the United States of America
No Drawing. Application January 28, 1938, Serial No. 187,572
6 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An article of manufacture, a thermoplastic protein moldable powder, which consists entirely and exclusively in the reaction product within the pH range of 7.0 to the isoelectric point of a globular protein with an aliphatic aldehyde of not over four carbon atoms, air dried to 10–12 percent moisture content.

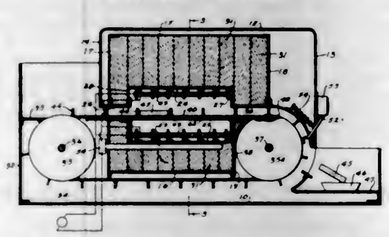
2,238,308
BANK DOLL AND THE LIKE
Agnes M. Chettle, Long Beach, Calif.
Application October 7, 1939, Serial No. 298,500
3 Claims. (Cl. 46—3)



1. In a doll bank of the class described, a housing having a hollowed center section, a head formed at the top section of said housing and a receptacle at the bottom section thereof, a pair of eye orifices disposed at the front section of

said head, a pair of eyes mounted within said hollow section of said head and disposed in close proximity to said eye orifices, a pair of eyelids pivotally mounted in-between said eye orifices and positioned over the said eyes, an eyelid controlling rod means connected to said eyelids for controlling their pivoting movement, pivoting plate means pivotally mounted at the bottom of said housing for pivoting and actuating the said controlling means of said eyelids, the combination of, a bended arm pivotally connected to the side of said housing having its palm positioned in front, a regulating lever connected to said arm for controlling and regulating the position of said palm, a pivoted lower jaw positioned below the said eyes and said pivoted eyelids, and control lever connecting said pivoted lower jaw and said regulating lever for lifting the said arm including the palm toward the said lower jaw and for simultaneously lowering said jaw into an open position so that the coin deposited upon said palm may be lifted to and be deposited within said open jaw, and for closing the said coin to drop upon said pivoting plate means when said lower jaw is pivoted into its uppermost position and thereby pivoting said plate means and actuating the movement of said eyelids.

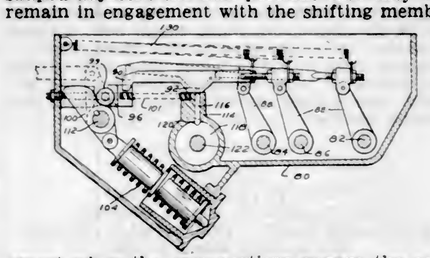
2,238,309
MEAT COOKER
Harold F. Cramer, Los Angeles, Calif.
Application May 29, 1939, Serial No. 276,294
4 Claims. (Cl. 53—5)



1. A meat cooking device comprising, in combination, a casing, a housing positioned therein and spaced therefrom, the housing having a compartment therein, the interior of the compartment being separated from the interior of the housing by a partition, the interior of the compartment being in communication with the outside of the housing through two aligned passages the passages forming inlet and outlet openings for an endless conveyor passing through the compartment, the compartment projecting above and below the inlet and outlet openings to provide spaces for electric heaters.

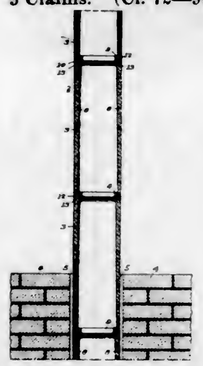
2,238,310
TRANSMISSION
Adiel Y. Dodge, Rockford, Ill.
Application August 27, 1938, Serial No. 227,137
3 Claims. (Cl. 74—262)

1. In a transmission having controllable means to vary the driving ratio, control mechanism comprising a plurality of shifter bars connected adjacent one end to said controllable means, a shifting member engageable with the other ends of said bars to move them lengthwise, said bars having cam portions intermediate their ends, and control members engageable with said cam portions selectively to control engagement of the bars with the shifting member, said bars being so shaped adjacent the cam portions that they will remain in engagement with the shifting member



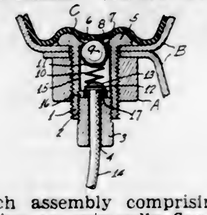
except when the cam portions engage the control members.

2,238,311
FLUE LINER
James J. Dyer, Toronto, Ohio
Application January 8, 1940, Serial No. 312,895
5 Claims. (Cl. 72—94)



1. A flue liner element comprising a body portion enclosing a flue passage, a unitary collar formed on the upper end of the body portion and extending above and coextensive with the body portion, the collar being offset inwardly of the inside wall of the body portion, so as to provide a supporting surface on the upper end of the body portion for the lower end of an adjacent liner element.

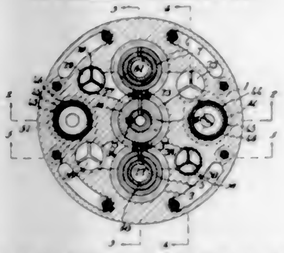
2,238,312
SWITCH ASSEMBLY FOR PRESSURE INDICATORS
Allie Edmonston, Wellston, Mo., assignor to Air Pressure Indicators, Inc., St. Louis, Mo., a corporation of Missouri
Application August 4, 1940, Serial No. 351,343
7 Claims. (Cl. 200—58)



1. A switch assembly comprising a tubular member having an outwardly flared, apertured, cup-shaped end provided with a shoulder adjacent said cup-shaped end, a metal ball arranged

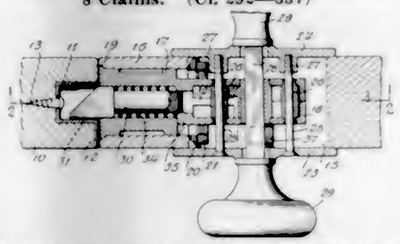
within said tubular member and of a diameter larger than said aperture in said end, a metal spring in contact with said metal ball, a metal conductor in contact with said spring, an insulating element surrounding said ball, spring, and conductor, and means for pressing said ball away from contact with the metal portion of said tubular member.

2,238,313
TWIN TYPE GEAR PUMP
Fritz Egersdörfer, Berlin, Germany
Application March 4, 1939, Serial No. 259,884
In Germany March 4, 1938
15 Claims. (Cl. 103—42)



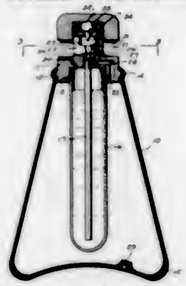
1. In a gear pump, comprising a casing having an integral body formed with cylindrical bores disposed one beside the other and with their axes parallel and merging one into the other in pairs, cover means for closing said bores at least at one of their ends, meshing gear wheels within said bores, and driving means for said gear wheels, the improvement which consists in suction and delivery passages formed in the said covering means and constructed for having suction and pressure pipes connected thereto, and suction and delivery chambers and ducts formed in said body, said suction and delivery chambers communicating with said bores and being connected through said ducts respectively with said suction and delivery passages respectively for conveying fluid from said suction passage to said bores and gear wheels and away therefrom to said pressure passage.

2,238,314
LOCK MECHANISM FOR DOORS
William Falk, Far Rockaway, N. Y., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application May 12, 1939, Serial No. 273,187
8 Claims. (Cl. 292—337)



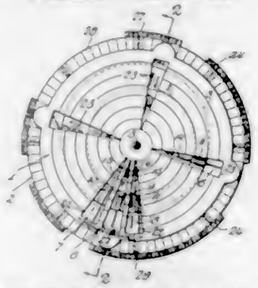
8. In a door lock, a latch casing assembly having a shoulder at the outer end and a body portion which is arranged to be disposed on the inner part of the door, a retaining nut adjustably threaded on the body of said casing and a spacer member interposed between the shoulder and said retaining nut, whereby the casing may be drawn into a door orifice which is arranged to receive the casing by the action of said nut against said spacer member.

2,238,315
ATOMIZER
George R. Ford, Jr., Perrysburg, and Gerald White, Rossford, Ohio
Application August 10, 1938, Serial No. 224,002
5 Claims. (Cl. 299—88)



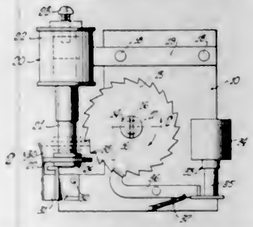
1. An atomizer, comprising a hollow compressible casing containing an air supply, a spray head carried at the upper end of said casing and provided with a lateral spray orifice in communication with the said casing, a container for the liquid to be sprayed carried by said spray head and disposed within said casing, said container also being in communication with the spray orifice so that upon compression of said casing, the air discharged therefrom will draw the liquid upwardly from the said container and discharge it through the said spray orifice, and a cap carried by said spray head forming the top of the spray orifice and adjustable to control the size thereof.

2,238,316
DEVICE FOR CONTRASTING CHROMATIC COLORS
Joseph P. Gaugler, Ridgewood, N. J.
Application September 15, 1939, Serial No. 295,102
7 Claims. (Cl. 88—14)



1. A device for arranging colors in a predetermined relation comprising a plurality of superimposed discs centrally pivoted to each other, one of said discs having annularly arranged thereon a series of groups of color segments, each group being composed of a segment of pure color positioned intermediate a segment bearing a tint of said color and a segment bearing a darker shade of said color, a second disc having annularly arranged thereon a series of groups of color segments, each group including a segment provided with a color representing a combination of two pure colors and positioned intermediate a segment bearing a tint of said combination color and a segment bearing a darker shade of said combination color, and a third disc having annularly arranged thereon a series of groups of color segments, each group of said third disc including a segment provided with a color representing a different combination of two pure colors and positioned intermediate a segment bearing a tint of such combination color and a segment bearing a darker shade of such combination color, each series of color segments, on the individual discs, being arranged to form an annular color band and the annular color band of each disc being arranged at a different radial distance from the said pivot, each of the upper discs being provided with apertures, the apertures in each of the upper discs being arranged so that they may be radially aligned with the apertures in the other discs to expose radially aligned color segments of the annular bands, and indicating means provided on said discs and being manipulatable to bring into registry with the color segments of said first mentioned disc, color segments of said second and third discs which contrast with the color segments of said first mentioned disc in any one of a plurality of different predetermined degrees of contrast.

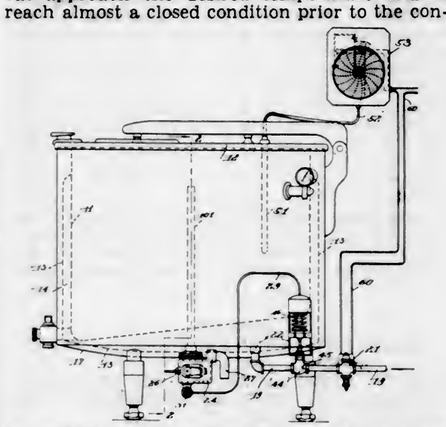
2,238,317
STEP-UP RATCHET
Louis W. Gensburg, Chicago, Ill., assignor to Genco Mfg. Co., Chicago, Ill., a partnership consisting of Louis W. Gensburg, David Gensburg, and Myer Gensburg
Application November 4, 1940, Serial No. 364,237
2 Claims. (Cl. 74—578)



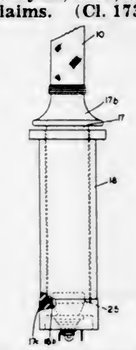
1. In combination, a mounting plate, a rotatable shaft journaled therein, a ratchet wheel on said shaft and movable therewith, an electromagnetic device on said mounting plate and including an armature, a head on said armature providing an annular recess, and a washer-like dog carried by said head and movable in said recess in a direction to and from engagement with said ratchet wheel, and means for moving said dog into said engagement with said ratchet wheel.

2,238,318
METHOD OF AND APPARATUS FOR TEMPERATURE CONTROL
Rudolph F. Goecke, Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application September 9, 1938, Serial No. 229,163
1 Claim. (Cl. 236—18)

A control for a liquid treating apparatus wherein a vat is substantially surrounded by a steam jacket, including the combination of an inlet conduit for admitting steam to the jacket, a device containing a fluid medium exposed to the condensate from said jacket and responsive to the temperature thereof, a valve in said steam inlet conduit, a spring normally urging said valve open, a pressure responsive element operatively connected to said valve and connected to said device to close the valve gradually against the action of said spring as the temperature of the condensate rises, said valve being set to start closing as the temperature of the contents of the vat approach the desired temperature and to reach almost a closed condition prior to the contents of the vat reaching the desired temperature, a second valve in said steam inlet conduit, a spring normally urging said valve to a closed position, latch means for normally retaining said valve open against the action of said spring, and means controlled by the temperature of the contents of the vat for closing said second valve to cut off the supply of steam substantially when the vat contents reach the desired temperature.



2,238,319
CABLE CONTACT
Edwin R. Goldfield, University Heights, Ohio, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 12, 1940, Serial No. 345,080
2 Claims. (Cl. 173—324)



1. An electric cable connector comprising inner and outer sleeves of rigid insulating material adapted to have a sliding fit one within the other, the clearance between the outside diameter of said inner sleeve and the inside diameter of said outer sleeve being just sufficient to permit sliding movement between the sleeves, said sleeves having a length of approximately four or five inches, a set of relatively fixed contact members, said outer sleeve having a transverse wall near one

end supporting said set of contact members centrally of said sleeve with the contact members extending into the sleeve from said wall, said wall and set and mounting therefor closing and sealing said sleeve end, electric cable conductors entering at one end of said inner sleeve and extending through substantially its entire length to the other or free end thereof, a second set of contact members connected to said cable conductors, plastic insulating material sealing said conductors and said second set of contact members within said inner sleeve, each of said sets of contact members comprising a plurality of concentric members insulated from members in the same set, said sets interfitting and overlapping when said sets are in engagement with the members of the relatively fixed set respectively radially outside the members of the second set, and the free end of said inner sleeve surrounding the outermost contact member of said fixed set and forming a continuous skirt engaging said wall when said sets of contact members are in operative engagement.

2,238,320

PROCESS FOR PREPARING SECONDARY AMINES

Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 28, 1938, Serial No. 210,770
6 Claims. (Cl. 260—576)

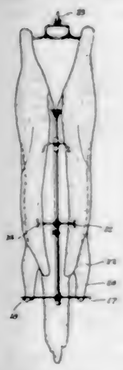
1. In a method of preparing secondary amines by the reaction of hydroquinone with a primary aromatic amine, the improvement which comprises carrying out the reaction in the presence of a phosphoric acid.

2,238,321

CARCASS SPREADER

Andrew S. Hartanov, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application May 25, 1939, Serial No. 275,751
4 Claims. (Cl. 17—44)



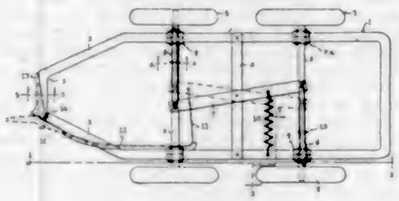
1. In combination with a carcass spreader comprising a central rod adapted to be firmly affixed at one end against the aitchbone of the carcass and intermediate its ends between the briskets of the carcass, laterally opposite supporting members affixed to said rod for supporting the carcass foreshanks inwardly relative to the carcass neck.

2,238,322

BABY CARRIAGE

Emerick Hodaly, Detroit, Mich.

Application March 13, 1940, Serial No. 323,692
6 Claims. (Cl. 188—20)



1. In a wheeled vehicle, a frame, a lever extending longitudinally of the frame, means engaging such lever between its ends and pivoting it on the frame for a lateral rocking movement, a braking member laterally projecting from the lever and extending into proximity to a wheel of the vehicle, such wheel having an element for engagement with the braking member to oppose rotation of the wheel, means biasing said lever laterally in a direction urging the braking member into the path of said wheel element, a handle for propelling the vehicle, a controller for the lever mounted on the handle, and a connection from the controller to the lever for actuating the lever in resistance to said biasing means.

2,238,323

DEVICE FOR FACILITATING THE ADMINISTRATION OF SUBCUTANEOUS HYPODERMIC INJECTIONS

Julian R. Hollingsworth, Brawley, Calif.

Application November 25, 1939, Serial No. 306,160
3 Claims. (Cl. 128—215)



1. A device to facilitate hypodermic injections comprising a block of elongated form and of a size to cover and hide from view a considerable part of the part of the body which is to receive the injection, said block having a substantially semi-spherical teat on one face thereof, the rest of said face being flat to bear against the part of the body to receive the injection and said teat being spaced from the edges of the block and said block having a transverse passage therethrough which passes through the center of the teat and which is adapted to receive the needle of a hypodermic device.

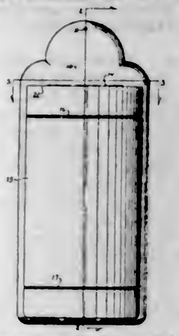
2,238,324

HOLDER FOR KNIVES OR THE LIKE

Horner H. Hopkins, Des Moines, Iowa

Application February 9, 1940, Serial No. 318,683
6 Claims. (Cl. 211—60)

1. In a device of the class described, a base portion, a housing secured to the forward face of said base portion, a block member in the upper end of said housing, a plurality of radially extending slots cut in said block member and designed to receive a knife or the like, and a resilient fibrous member inside said housing adjacent the open end of each of said slots.



2,238,325

TIRE CHAIN TOOL

David W. Hudson, Green Bay, Wis.

Application February 15, 1937, Serial No. 125,692
5 Claims. (Cl. 81—15.8)



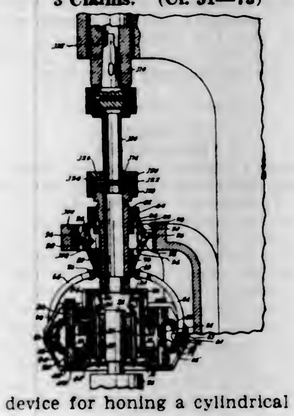
1. A tool of the character described comprising the combination with a split ring of spring stock having a chain connector adjacent one end, of means for maintaining said split ring coiled in a diameter smaller than the diameter which said ring normally tends to assume, said means comprising a channeled annulus pivoted to the end of said ring opposite the end which is provided with said connector.

2,238,326

HONING DEVICE

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 26, 1938, Serial No. 242,445
3 Claims. (Cl. 51—73)



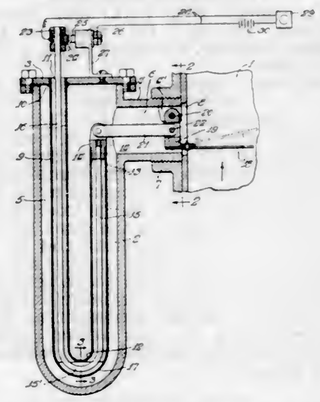
1. A device for honing a cylindrical work surface comprising a rotatable and reciprocable head, an abrasive stick mounted thereon for radial movement relative to the work surface, a wedging device movably mounted on the head which serves to locate and hold the abrasive stick against radial movement, a wedge block having a tapered wedging surface which is vertically slidable on the head, adjustable means for holding the wedge block in a fixed adjustment during a honing operation, and means including a laterally movable member engaging and located by the tapered wedging surface of the wedge block which positions said wedging device and the associated abrasive stick and thereby holds the latter located for honing the work.

2,238,327

SIGNAL OR CONTROLLING DEVICE

Frank W. Jackson and Harry M. Nacey, Chicago, Ill.

Application July 27, 1939, Serial No. 286,781
2 Claims. (Cl. 200—81)



1. In a device of the kind described, the combination of a container, a housing attached thereto and communicating therewith, a U-shaped flexible tube positioned in said housing, said tube having one end secured to the housing and communicating with the exterior thereof, and closed at the other end, means flexibly connected with the latter end positioned in said container and actuable by predetermined conditions therein to move the closed end of said tube relative the opposite end thereof, a U-shaped rod positioned in said tube, one end of said rod positioned adjacent the closed end of said tube and secured thereto, the opposite end extending exteriorly the housing, and further means positioned exteriorly the housing responsive to movement of the exterior end of said rod as said tube is flexed for producing a desired result.

2,238,328

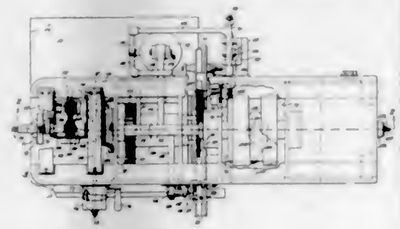
CHUCKLESS TURNING MACHINE

Glen F. Johnson, Detroit, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan

Application December 4, 1939, Serial No. 307,399
20 Claims. (Cl. 82—2)

1. A machine having, a work support, a pressure roller movable toward said support for holding a work piece in place thereon and movable away therefrom to enable the piece to be

removed therefrom, and a feed mechanism for controlling the feeding of the work onto the



support and operable responsive to the movements of said roller.

2,238,329

PROCESS FOR PRODUCTION OF A DERIVED VEGETABLE PROTEIN

Percy L. Julian, Oak Park, and Andrew G. Engstrom, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application December 3, 1937, Serial No. 177,926
13 Claims. (Cl. 260—112)

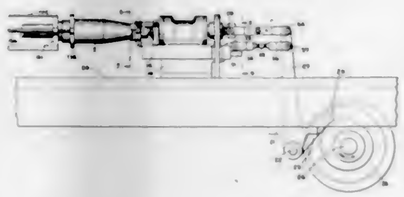
11. The process of preparing an isolated soybean protein which comprises providing an aqueous slurry of soybean material containing sufficient water soluble acid to maintain the pH at a point substantially equal to the isoelectric point of the globulins present in the meal, heat treating the slurry at a temperature and for a time sufficient to render the heat sensitive albuminous proteins present insoluble in water, acids and alkalies and to cause partial hydrolysis of the globulins without causing fundamental cleavage thereof, subjecting the thus treated globulins to an aqueous alkaline digestion and recovering the digested globulins.

2,238,330

EXPANSIBLE SPINNER MECHANISM

Lydia B. Koch, New York, and Irving F. Mandell, New Rochelle, N. Y.; said Mandell assignor to said Koch

Application April 3, 1939, Serial No. 265,832
9 Claims. (Cl. 93—36.5)



1. In mechanism for incurling the wall edges of conical paper containers, in combination with a mandrel for holding a container, a spinner head aligned with said mandrel, means to rotate said head, positive means to advance and retract said head, a series of spinner elements movably mounted in said head to contact the container mouth wall edge, and lever means to move said elements in exact proportion to the inclination of the taper of the container as said head is advanced.

2,238,331

VULCANIZATION OF RUBBER

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 23, 1936, Serial No. 81,485
13 Claims. (Cl. 260—793)

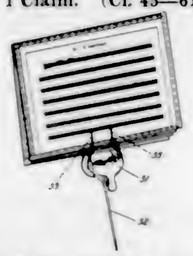
1. The method of treating rubber which comprises vulcanizing it in the presence of a product substantially identical with that obtained by reacting formaldehyde with approximately equivalent proportions of hydrochloric acid and an alkali metal salt of a dithiocarbamic acid, the reaction being carried out at a temperature less than about 15° C., at least one mol of formaldehyde being present for each mol of the dithiocarbamate, the reaction product containing nitrogen and sulfur in the same ratio as that in which they are present in the said dithiocarbamate.

2,238,332

MULTIPLE MARCH FOLIO

Glenn L. Lyman, Cedar Rapids, Iowa

Application December 31, 1938, Serial No. 248,913
1 Claim. (Cl. 45—61)



In a music folio, at least four pockets, each consisting of two sheets of transparent material, joined together on at least three edges thereof, the pockets being arranged in a flat sheet when unfolded and joined by foldable connections, whereby a transverse and a longitudinal joint are afforded, whereby at least eight sheets of music may be placed in the four pockets two by two with their backs together, and whereby the sheet may be folded longitudinally and transversely to form in the folded position a packet approximately one-fourth of the size of the opened sheet, and whereby by the selective folding longitudinally and transversely any one of the eight pieces of music may be exposed so that the whole folio or packet will occupy a relatively small space and will be stiff and the music protected from the weather so that the packet may be secured by a lyre or the like to a musical instrument.

2,238,333

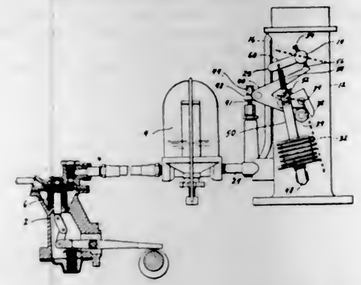
CARBURETOR

William G. McCain, Medford, Mass.

Application March 25, 1940, Serial No. 325,847
11 Claims. (Cl. 261—48)

1. In a carburetor, a mixture conduit, a manually controlled throttle valve in said conduit, a fuel nozzle discharging into said conduit posterior to said throttle valve, a source of fuel under pressure including a fuel passage to the nozzle, a fuel regulating needle valve, means resiliently urging the needle valve in a closing direction, a vane pivotally supported in the conduit between the throttle valve and nozzle, pivoted means mounted adjacent said conduit and having an arm operatively connected to the needle valve

and including a lever, a cam operatively connected to said vane and engaging said lever whereby flow of air against said vane tends to swing the same in one direction and to open said needle valve to allow flow of fuel in accord-



ance with air flow in the conduit, and means connected to said vane and responsive to reduction in static pressure in the conduit posterior to the throttle valve whereby decrease in pressure tends to swing the vane in the opposite direction to reduce the needle valve opening.

2,238,334

MECHANISM CONTROL

Charles S. McCarthy, Toledo, Ohio, assignor to The Bingham Stamping Company, a corporation of Ohio

Application August 24, 1939, Serial No. 291,732
9 Claims. (Cl. 74—537)



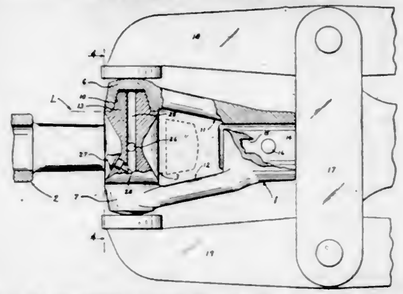
1. In combination, mechanism control including a support having a clutching surface; a lever member formed of sheet metal having a portion pivotally connected to said support, said lever member having a hollow body portion terminating at its lower extremity in a handle portion; a clutch member carried by said lever and adapted for engagement with the clutching surface on said support; spring means directly engaging said clutch member for urging said member into engagement with said clutching surface; a finger trigger formed of sheet metal pivoted to said lever adjacent the handle portion; a bar having a portion movable into engagement with said clutch member and connected with said finger trigger; and a second spring means engaging said lever member and said finger trigger for urging the latter to its outermost position.

2,238,335

UNIVERSAL JOINT

Wallace F. MacGregor, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation

Application February 8, 1937, Serial No. 124,681
8 Claims. (Cl. 64—17)



1. A universal joint including a trunnion block and a yoke, said yoke having arms extending therefrom for engaging said trunnion block, said arms providing bearing sockets therein for receiving the trunnions of said block, end closures for said sockets, said yoke, arms, and end closures constituting a single piece of forgeable material formed to receive a machining tool for finishing the interior of said sockets and so proportioned as to be bendable into position about the trunnions of said block whereby to avoid any opening outwardly from said sockets.

2,238,336

CONDENSATION DERIVATIVE OF RUBBER

Thomas C. Morris, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 1, 1937, Serial No. 134,385
1 Claim. (Cl. 260—770)

The method of producing a condensation derivative of rubber which comprises treating rubber in solution with boron fluoride, pouring the reacted cement into water which contains sodium stearate, and emulsifying it therein, adding a zinc salt to convert the sodium stearate to zinc stearate and then volatilizing the solvent of the cement to precipitate the condensation derivative of rubber.

2,238,337

SHOE STIFFENER

Harold S. Miller, Quincy, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire

No Drawing. Application November 9, 1939, Serial No. 303,583
4 Claims. (Cl. 36—77)

1. Sheet material for thermoplastic shoe stiffeners, comprising in its composition approximately 130 parts rubber, 400 parts resin-containing box toe scrap, 100 parts cumarone resin and 200 parts asbestos fibre.

2,238,338

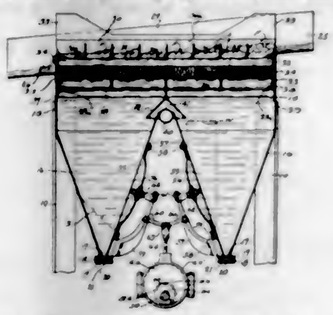
MINERAL JIG

Harry W. Moir, Seattle, Wash.

Application September 3, 1938, Serial No. 228,375
2 Claims. (Cl. 209—455)

1. In a mineral jig, a shot bed, a trough for

directing the flow of a stream of water and pulp across the bed, a baffle frame supported above the bed and comprising a plurality of transverse,



vertical baffle plates for impeding the flow of water and each having its longitudinal lower edge portion curved toward the direction of flow of the stream of water.

2,238,339

PROCESS OF MAKING SOLUBLE STARCH

Walter A. Niviing, Newton, Mass.

No Drawing. Application August 22, 1938, Serial No. 226,143

6 Claims. (Cl. 127—33)

4. That improvement in processes of converting starch into a soluble form, which consists in partly converting the starch by chemical action in the presence of water and thereby changing it into a semi-soluble form, filtering off the soluble impurities and the undesirable by-products formed during such conversion and thereby separating them from the partly converted starch, removing some of the water from the product so formed, and thereafter spraying a sufficient quantity of an oxidizing chemical on said partly dried product to substantially complete the conversion of the starch into a soluble form.

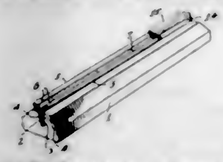
2,238,340

PENCIL SHARPENER

Ralph W. Poe, Canton, Ill.

Application July 8, 1940, Serial No. 344,341

3 Claims. (Cl. 120—89)



1. In a pencil sharpener, a support provided with a relatively long and narrow channel in a surface thereof, a carrier consisting of a long and narrow strip of material folded lengthwise providing two substantially parallel portions adapted to enter said channel, the same being held in the latter and forming an inner channel, the said portions outward from said channel being divergent forming a V, the longitudinal edges of the portions being recurved and extended toward each other and overhanging the surface of the said divergent portions, an abrasive carrying element overlying each of the carrier portions forming the V and extending into the said inner channel, the outer longitudinal edge of said abrasive carrying element each engaging beneath a recurved extension, the abrasive being carried by the exposed outer surface of said abrasive carrying element.

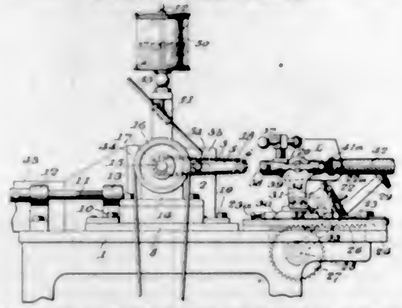
2,238,341

MORTISING EQUIPMENT

Louis W. Reinhardt, Brockton, Mass., assignor to Belcher Hinge Corporation, Stoughton, Mass., a corporation of Massachusetts

Application August 30, 1939, Serial No. 292,569

5 Claims. (Cl. 144—72)



4. Mortising apparatus comprising a sprocket, a bar, an anti-friction roller carried by said bar, a cutting chain carried by said roller and said sprocket to establish a mortiser having its work penetrative portion inclusive of said roller, and means to deliver a gravity flow of oil to said bar laterally of said chain and rearwardly of the work penetrative portion of said mortiser, said means comprising a source of oil, an oil conductor, a valve controlled outlet effecting communication between said source and said conductor, and said oil being carried along said bar to said roller by the pull of said chain.

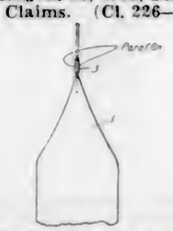
2,238,342

HEAT SEALING RUBBER HYDROCHLORIDE

Theodore A. Riehl, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application August 16, 1938, Serial No. 225,201

3 Claims. (Cl. 226—56)



2. The method of closing a package made of rubber hydrochloride film by the application of heat and pressure to the closure thereof, which comprises bringing the rubber hydrochloride film into pressure contact with a hot plate coated with a non-adhesive in forming the closure and thereby depositing the non-adhesive on the rubber hydrochloride film during the contact.

2,238,343

CONCRETE MIXING PLANT

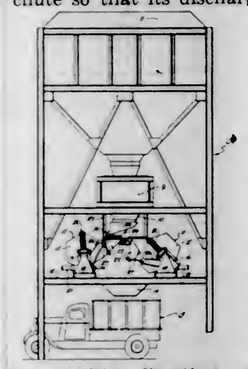
Adolph W. Rybeck and Roy M. Hoya, Milwaukee, Wis., assignors to T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 19, 1937, Serial No. 126,680

4 Claims. (Cl. 259—152)

1. In a concrete mixer: a rotatable mixing

drum having a common charging and discharging opening at one end; a tilting cradle mounting the drum for endwise tilting movement from a charging to a discharging position; a supply chute for conducting material into the combined charging and discharging opening of the drum; means pivotally mounting the receiving end of the supply chute so that its discharging end is



movable from a position directing materials into said end of the drum to a position clear of said end of the drum; and an operative connection between the cradle and the supply chute for supporting the discharge end of the chute, said connection holding the chute in its proper charging position independently of the drum and moving the chute to its position clear of the drum upon tilting of the drum to discharging position.

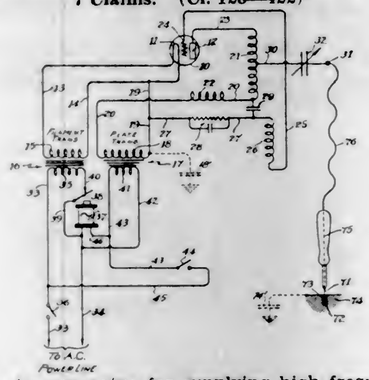
2,238,344

HIGH-FREQUENCY EPILATION APPARATUS

James E. Schuler, Hawthorne, and Arthur H. McClelland, Los Angeles, Calif., assignors to E. J. Rose Manufacturing Company of California, Inc., Los Angeles, Calif., a corporation of California

Application November 8, 1939, Serial No. 304,458

7 Claims. (Cl. 128—422)



1. An apparatus for supplying high-frequency current to an epilation needle, which comprises: an oscillator circuit adapted to supply high-frequency current to said needle, said oscillator circuit including a thermionic discharge device having a plate and a filament; filament current supply means normally connected to supply current to said filament; plate supply means for supplying current to said plate; operating switch means movable between a first position connecting said plate supply means to said plate and a second position disconnecting said plate supply from said plate; and filament switch means movable to a first position interrupting said connection between said filament current supply means and said filament in response to movement of said operating switch means to its first position and movable to a second position restoring said connection between said filament current supply means and said filament in response to movement of said operating switch means to its second position.

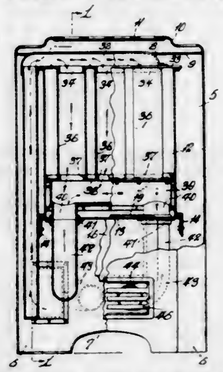
2,238,345

AIR CIRCULATOR FOR HEATING UNITS AND THE LIKE

Eugene G. Siegler and Raymond J. Siegler, Marion County, Ill.

Application December 15, 1938, Serial No. 245,880

3 Claims. (Cl. 126—110)



1. A unit for conditioning and circulating air comprising a combustion chamber, a fire pot beneath said chamber, a manifold disposed adjacent the top of said chamber, a vertically walled air entraining passageway in communication with said manifold and disposed on one side of the chamber and having its intake end disposed adjacent the lower end of the unit, a second manifold disposed within said chamber adjacent the lower end thereof, depending tubes connecting said manifolds, and a discharge pipe leading from each end of the lower manifold and having their outlet ends extending beneath the fire pot adjacent the lower end of the unit.

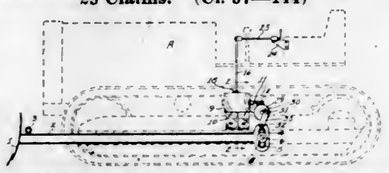
2,238,346

APPARATUS FOR TILTING BULLDOZER BLADES

Harold Sorensen, Knappa, Oreg.

Application October 4, 1940, Serial No. 359,652

25 Claims. (Cl. 37—144)



1. In apparatus of the class described, comprising, in combination with the running gear of a conventional type of tractor and the bulldozer-blade supporting frame, of means operatively associated with the running gear of the tractor

and one side of the frame for raising or lowering that side of the frame to thereby raise or lower the bulldozer blade into different angular positions relative to the front of the tractor, and means associated with the first-mentioned means for selectively connecting said means into operative relationship with the running gear of the tractor.

2,238,347
SPROCKET WHEEL

Oscar L. Starr, Mission San Jose, and Walter Grothe, Alameda, Calif., and Harmon S. Eberhard, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

Original application August 25, 1934, Serial No. 741,388. Divided and this application February 27, 1939, Serial No. 258,618

4 Claims. (Cl. 74—243)



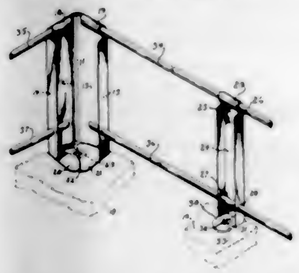
1. A driving sprocket for a self-laying endless track comprising a rim portion; separated teeth integral with said rim portion and providing tooth spaces therebetween, each tooth being of a relatively light but strong construction and including spaced substantially radial projections and a reenforcing flange between such projections; the root faces of said tooth spaces being of substantially full width to provide full bearing for bushings which connect links forming part of an endless track; and additional flanges adjacent said rim portion and extending transversely with respect to said teeth flanges for reenforcing the ends of the root faces of the tooth spaces.

2,238,348
RAIL SUPPORT

Lee A. Shelton, Des Moines, Iowa, assignor to New Monarch Machine & Stamping Co., Des Moines, Iowa

Application August 28, 1939, Serial No. 292,368

4 Claims. (Cl. 312—140.4)



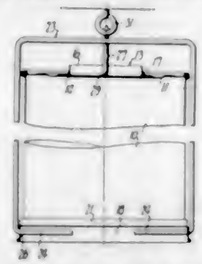
3. In a rail support, a backing portion, tubes formed on the upper end of said backing portion extending at right angles to each other and capable of receiving rails, flanges formed on the side marginal edges of said backing portion each extending at right angles to a portion of the backing and having a hole cut therein for receiving a rail, and a base portion integrally formed on the lower end of said backing portion.

2,238,349
FIRE EXTINGUISHING APPARATUS

Paul A. Stover, San Francisco, Calif., assignor to Fire-Gard Corporation, San Francisco, Calif., a corporation of Nevada

Application August 29, 1938, Serial No. 227,351

2 Claims. (Cl. 169—26)



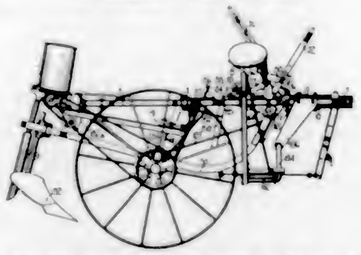
2. In fire extinguisher apparatus, a container adapted to contain a quantity of fire extinguisher fluid like carbon tetrachloride, said container being provided with opposite end walls, the end wall which is normally uppermost having openings for discharge of the fluid, a closure disposed over said opening and having a peripheral portion of the same sealed to the adjacent end wall by a fusible metal alloy, an annular base secured to the lower end of the container, said base forming a depending annular flange and being also provided with integral tabs bent to engage and form an attachment to the lower end of the container, a bail having points of pivotal connection to said base, said bail being of sufficient size to extend over the upper end of the container, and a member attached to said closure member and embracing an intermediate portion of the bail, said last named member being adapted for connection to a fixed support.

2,238,350
CULTIVATOR

Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Original application November 3, 1933, Serial No. 696,481, now Patent No. 2,097,678, dated November 2, 1937. Divided and this application May 3, 1937, Serial No. 140,333

12 Claims. (Cl. 97—148)



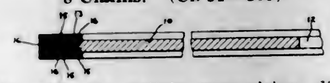
1. An agricultural implement having a main frame comprising a pair of spaced longitudinally extending frame members and a transverse shaft fixedly connected at its ends to said frame members, a wheel frame comprising a tube journaled over said shaft, a pair of wheel supports adjustably secured to said tube for lateral adjustment, tool beams pivoted to said main frame for vertical movement, and means for raising said beams and for simultaneously rocking said wheel frame rearwardly relative to said main frame.

2,238,351
GRINDING WHEEL

Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application December 24, 1940, Serial No. 371,543

8 Claims. (Cl. 51—309)



1. An abrasive article comprising diamonds bonded with a hard, friable, sintered metal bond capable of being sintered at between 600° C. and 850° C. and said metal bond comprising copper, iron and tin, with not less than 20% of the total metal being cold moldable metal selected from the group consisting of copper and nickel, with not less than 4% of the total metal being copper, with not less than 2% of the total metal having a high melting point and being selected from the group consisting of iron and nickel, with not less than 1% of the total metal being iron, the total amount of tin being at least 2% in excess of the tin in solid solution at around 20° C., and the fusing point of the entire metal bond after sintering being not lower than 750° C.

2,238,352
AUXILIARY GRIPPING ATTACHMENT FOR TYPEWRITERS

Stanley E. View and Louis Steirer, Chicago, Ill.

Application June 3, 1940, Serial No. 338,498

5 Claims. (Cl. 197—136)



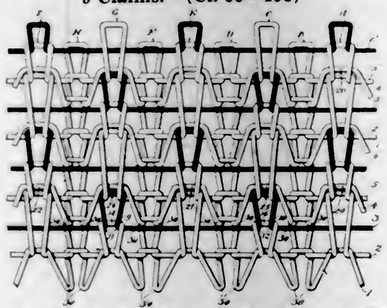
1. An auxiliary gripping attachment for typewriters comprising a C shaped spring platen clasp and a clip attached to the clasp, the clip composed of front and rear members and each of the front and rear members having arms attached to the clasp.

2,238,353
ELASTIC FABRIC

Sol Weintraub, Hillside, and Joseph A. Martin, Elizabeth, N. J., assignors to Flexnit Company, Inc., a corporation of New Jersey

Application November 29, 1938, Serial No. 242,870

9 Claims. (Cl. 66—198)



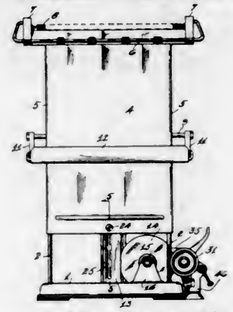
8. In a knitted elastic fabric for a girdle or similar confining garment, the combination of spaced tuck loops in a course of inelastic thread superimposed on held loops in another course of inelastic thread with intervening tuck loops in the first mentioned course of inelastic thread superimposed on regular loops of elastic thread in a third course.

2,238,354
COPYHOLDER MECHANISM

Herman C. Welter, Rochester, N. Y., assignor to The Dawn Mfg. Corp., Rochester, N. Y., a corporation of New York

Original application August 8, 1938, Serial No. 223,598. Divided and this application January 12, 1939, Serial No. 250,586

4 Claims. (Cl. 120—29)



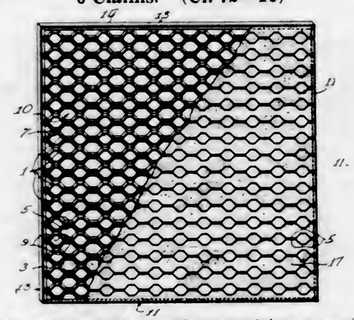
1. In a copyholder, the combination with a standard having vertical guides, a line indicator on the standard, and a copy plate adapted to be raised and lowered on the guides relatively to the line indicator, of elevating means for the copy plate whereby it may be raised by a step-by-step motion and lowered by gravity, and means for automatically interlocking the copy plate with a fixed portion of the standard when the whole machine is raised from its support by a grip upon the copy plate alone.

2,238,355
WALL BUILDING UNIT AND STRUCTURE INCORPORATING SAME

James B. Whitenack, Chicago, Ill.

Application November 8, 1939, Serial No. 303,344

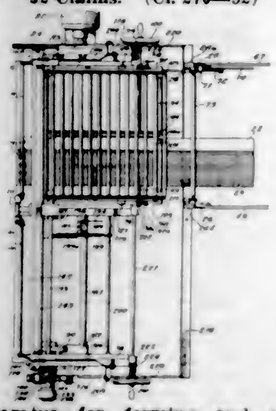
6 Claims. (Cl. 72—16)



1. A wall building unit comprising a rectangular metallic frame surrounding a hardened plastics panel, one vertical and one horizontal member of said frame bearing a central external longitudinal rib, the other two members of said frame being provided with a central external

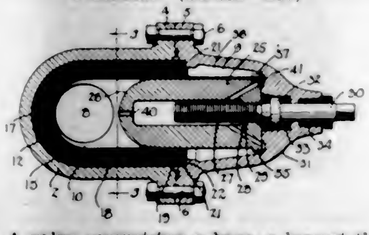
longitudinal channel adapted to receive and interlock with the ribs of similar adjacent building units, said panel containing numerous metallic reinforcing bars, lending structural strength to the panel unit, the edges of said reinforcing bars being flush with the surface of said filler and protecting the same against cracking and chipping resulting from contact of the unit with heavy movable extraneous objects.

2,238,356
UNIT STRIP MACHINE AND METHOD
Robert Alonzo Williams, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application September 5, 1939, Serial No. 293,452
32 Claims. (Cl. 270—52)



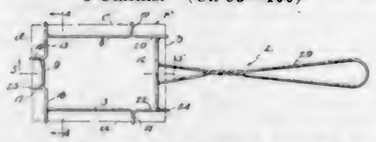
1. Apparatus for forming and assembling sheets in groups so that a portion of each sheet adjacent to one edge thereof is exposed to receive a legend, said apparatus comprising a plurality of web carrying spools, web feeding means, guides adapted to direct the webs from said spools into face to face overlapping engagement, means to apply a securing means to the several webs at uniformly spaced intervals lengthwise of the webs, and cutting means operable on said webs when in engagement to cut the overlapped webs along transversely running lines adjacent to said securing means.

2,238,357
RESILIENTLY PACKED VALVE BODY
Herbert Allen, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex., a corporation
Application July 2, 1937, Serial No. 151,656
8 Claims. (Cl. 251—167)



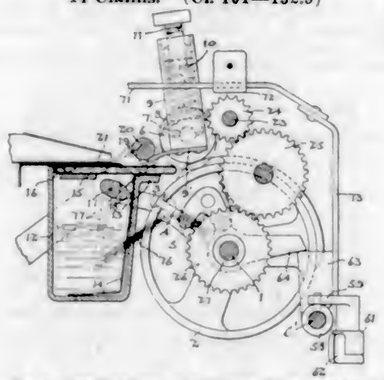
1. A valve comprising a base, a bonnet thereon, both said base and bonnet being recessed to form a vertical cylindrical valve chamber, a passage transversely thereof, a cylindrical valve member, means to move said member longitudinally of said chamber to cover or uncover said passage, a groove in said base extending down the sides thereof and around the bottom of the chamber below the elevation of said passage, a resilient packing disposed in said groove and to be abutted by said valve member when it moves to cover said passage so as to form a seal of uniform pressure at all points due to the flowing of said resilient packing, and a wear plate carried by the exposed edges of said packing so as to confine the packing when said valve member contacts said plates in applying pressure to said packing.

2,238,358
FILM HOLDING APPLIANCE
Charles S. Bassin, Newton, Mass., assignor to New England Theatres, Inc., Boston, Mass., a corporation of Delaware
Application June 28, 1939, Serial No. 281,566
8 Claims. (Cl. 95—100)



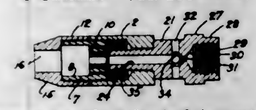
1. An appliance of the class described and designed for use in the tray development of cut film, said appliance comprising a film-holding portion including parts which underlie and overlie the marginal portions only of the film and which are constructed and arranged to hold the film in a substantially horizontal plane close to the bottom of the tray, and a handle having a grip portion disposed in a plane above that of the top of the tray, the film-holding portion being devoid of crevices or acute angles and consisting of a single length of smooth and substantially rigid corrosion-resistant wire having rounded bights constituting pockets for the reception of the respective edges of the film.

2,238,359
DUPLICATING MACHINE
Robert J. Copeland, Toronto, Ontario, and Ernest J. Bloore, Brampton, Ontario, Canada; said Bloore assignor to said Copeland
Application November 4, 1939, Serial No. 302,800
In Canada October 3, 1939
14 Claims. (Cl. 101—132.5)



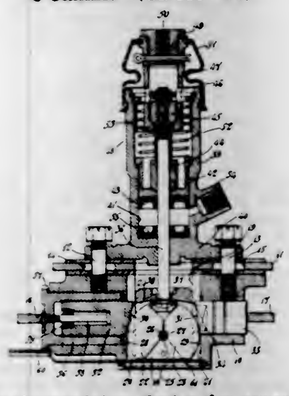
1. In a duplicating machine, the combination with a frame, a "master" cylinder rotatably supported in said frame adapted to carry a "master" sheet from which copies are to be made, means for dampening copy sheets and applying an impression from the "master" sheet, and a manually operated mechanism for rotating said "master" cylinder, of a free-wheel driving member connected with said "master" cylinder, an electric motor operatively connected with said free-wheel driving member, an electric switch connected with the power feed to said motor, and means governed by the length of the copy sheet to be printed for automatically operating said switch to stop the motor.

2,238,360
NOZZLE
Percy M. Forster, Berkeley, Calif.
Application April 10, 1939, Serial No. 267,037
3 Claims. (Cl. 158—116)



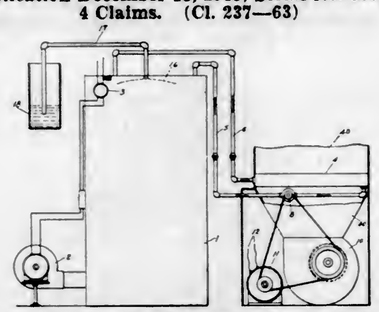
1. A burner nozzle adapted to produce a fine pointed flame at widely varying pressures comprising a body member having an orifice tip with a substantially cylindrical inner bore, a cylindrical chamber adjacent said bore, larger than the latter and having a substantially right angular wall adjacent the end of said cylindrical bore, the cylindrical wall of said chamber being imperforate, a grid forming an intermediate wall in said chamber and having a central bore of materially greater diameter than the grid openings which are spaced radially therefrom, and means for conducting a combustible mixture into said chamber in line with said central bore.

2,238,361
BRAKE
Geoffrey Robert Greenbergh Gates, London, England, assignor to Automotive Products Company Limited, London, England
Application April 30, 1938, Serial No. 205,212
In Great Britain May 19, 1937
8 Claims. (Cl. 188—78)



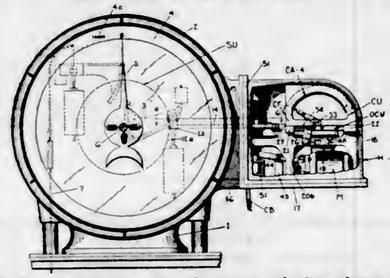
1. A brake-applying device for spreading the ends of a pair of brake shoes, comprising in combination an actuating member movable in a direction substantially at right angles to the movement of the shoe ends, an inclined cam surface operatively connected with each shoe, a transverse pin carried by the actuating member and a pair of sector-shaped thrust-members, both of which at their apices are pivotally mounted on the said pin and rollable with their circumferential parts upon the corresponding cam surfaces.

2,238,362
HOT WATER HEAT CONTROL
Elmer E. Goehler, Portland, Oreg.
Application December 18, 1939, Serial No. 309,706
4 Claims. (Cl. 237—63)



1. In a hot water heating system, a boiler, a flat horizontally placed heat exchanger adjacent to and below the top of the boiler, supply and return pipes between the boiler and the exchanger both of which are connected near the top of the boiler at similar levels to avoid thermosyphon circulation, and a controlled pump in one of the pipes.

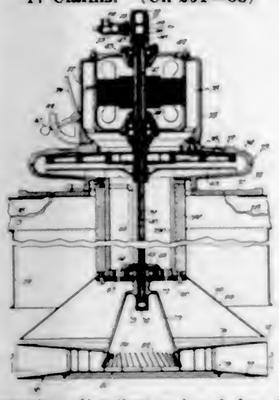
2,238,363
ELECTRICAL IMPULSE WEIGHT RECORDER
Harlan A. Hadley, St. Johnsbury, Vt., assignor, by mesne assignments, to Fairbanks, Morse & Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1936, Serial No. 108,231
5 Claims. (Cl. 177—380)



1. In an impulse mechanism of the character described for use with an impulse recorder, reciprocable slide bars, means providing stops adapted for limiting forward movement of said bars, each to an extent corresponding to a digit to be recorded, springs urging said bars toward said stops, cam-actuated means adapted for holding said bars in an initial, inoperative position, and operable to release said bars simultaneously, for independent forward movement toward said stops under the influence of said springs, and to move said bars backwardly, to said initial position, electrical means operated by each of said bars during movement thereof, and adapted for producing a number of electrical impulses corresponding to the extent of individual bar movement as determined by the stop, and a control device common to said electrical means, arranged

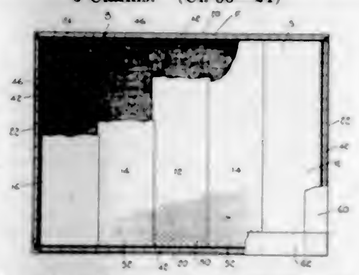
to be operated in timed relation with operation of said cam-actuated means, said control device being adapted to render said electrical means operative to produce impulses during the forward movement of said bars and inoperative to produce electrical impulses during the backward movement of said bars.

2,238,364
DISTRIBUTOR HEAD FOR DEHYDRATORS
Joseph M. Hall, Chicago, Ill.
Application April 14, 1938, Serial No. 201,980
17 Claims. (Cl. 261—88)



17. A rotating distributor head for dehydrating apparatus comprising an inverted cup member supported from its upper end and tapering toward its upper end and having narrow open ended slots in its peripheral edge opening downwardly, each slot being arranged at an acute angle to its plane of rotation and having its upper end in substantially a vertical plane passing through the axis of the head and the lower end of a following slot, a hollow rotating spindle on which said cup member is mounted, said spindle extending into said cup member and having its lower end closed and provided with downwardly and outwardly extending openings therein rotatable with said spindle for discharging a liquid product introduced through said hollow spindle, and means for directing a current of heated air downwardly across the outer margin of said head for desiccating said product.

2,238,365
LIGHT-REFLECTING AND SOUND-TRANSMITTING SCREEN
Albert B. Hurley, Huntington, N. Y.
Application November 20, 1937, Serial No. 175,663
6 Claims. (Cl. 88—24)



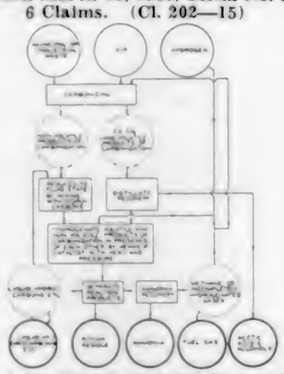
1. A light-reflecting, sound-transmitting motion picture screen comprising a frame, a very highly perforate base made of durable material permanently secured to said frame, and a paper light-reflecting surface secured on the front face of said base by means of a readily releasable adhesive, said paper surface being perforated for sound transmission and being adapted to be removed from the base and replaced when dirtied.

2,238,366
FOOT BALANCING MEANS
Charles P. Leydecker, Webster Groves, Mo.
Application December 12, 1938, Serial No. 245,084
11 Claims. (Cl. 36—71)



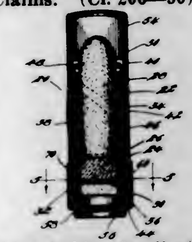
1. A device for supporting portions of a foot comprising means for supporting the anterior portion of the os calcis of a foot, means for supporting the base of the fifth metatarsal, and means for supporting the forward portions of the fifth, fourth, third and second metatarsals, said supporting device being of restricted extent to permit the head of the first metatarsal and the posterior portion of the os calcis to be supported by the insole of a shoe with which said device is associated.

2,238,367
METHOD OF TREATING WASTE MATERIAL
John Mohr and Ernest Lagelbauer, New York, N. Y.
Application March 18, 1938, Serial No. 196,626
6 Claims. (Cl. 202—15)



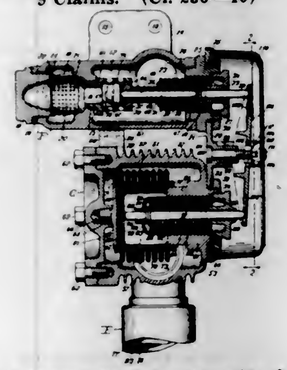
1. In the treatment of municipal and industrial wastes containing carbon bearing material for the purpose of producing valuable products therefrom, the process steps of carbonizing said material by heating the same in the presence of air or oxygen in an amount insufficient to effect complete combustion thereof whereby volatile and non-volatile products of carbonization including carbon monoxide are formed and simultaneously hydrogenating the volatile and non-volatile products of carbonization under conditions tending to cause reactions to take place between the same by subjecting said products to the action of hydrogen and the influence of heat and pressure in the presence of each other and in the presence of a hydrogenation catalyst which is active under the conditions of heat and pressure employed.

2,238,368
LIPSTICK HOLDER OF THE PROPEL-REPEL TYPE
Winfred T. Parkin, Cranston, R. I., assignor to Theodore W. Foster & Bro. Company, Providence, R. I., a corporation of Maine
Application December 28, 1937, Serial No. 182,146
2 Claims. (Cl. 206—56)



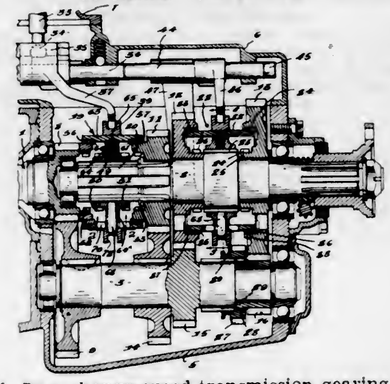
1. An adjustable holder for lipsticks and the like including in combination: a tubular body-member; an advanceable and retractable carrier within the said body-member; and a tubular operating-member rotatable with respect thereto to advance and retract the carrier; the said operating-member including a sleeve-member having a bottom with a hole therethrough, and a sheet-metal cup-member having an integral hollow center-portion extending through the hole in said bottom and having a folded-over portion over the edge of said bottom adjacent said hole, and an operating-flange surrounding the periphery of the lower end portion of said body-member.

2,238,369
THERMOSTATIC VAPOR REGULATOR
Paul B. Parks, Oak Park, and William R. Peterson, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application August 3, 1939, Serial No. 288,104
9 Claims. (Cl. 236—40)



1. In a vapor regulator, a valve housing, a valve assembly therein, a thermostat housing, a thermostat assembly therein, the valve assembly and the thermostat assembly each comprising a reciprocable operating rod projecting from an end of the respective housing, a supporting plate to which the aforesaid end portions of the respective housings are secured with the operating rods projecting substantially parallel to one another at one side of the plate, and the housings being spaced apart at the other side of the plate, an intermediately pivoted operating lever the oppositely extending arms of which are longitudinally recessed on the inner face to receive the ends of the respective rods, the lever having a central opening and aligned pivot channels in the outer face of the lever portions at the sides of the opening, a bolt rotatably mounted in the plate and extending parallel to and between the rods and having a threaded outer portion, and a pivot-member comprising a central portion threaded on the bolt and positioned loosely in the lever opening and pins extending laterally from the central portion and fitting slidably and rotatably in the pivot channels of the lever.

2,238,370
CHANGE-SPEED TRANSMISSION GEARING
Carl D. Peterson, Toledo, Ohio
Application July 15, 1938, Serial No. 219,421
13 Claims. (Cl. 74—333)



1. In a change-speed transmission gearing including a gear box, drive, transmission and countershafts, trains of all-in-mesh gears between the shafts to produce a plurality of speeds forward, one of the gears of said forward speed train being rotatable about the transmission shaft and another gear rotatable about the countershaft, the combination of reverse gearing including a double gear or spool, one gear of which meshes with said gear on the transmission shaft, and a unitary gear and clutch on the countershaft normally clutching the gear of the forward train to the countershaft and shiftable to unclutch it, and at the same time shiftable into mesh with the other gear of the spool, a synchronizing clutch operable to clutch the gear of the forward train on the transmission shaft to the same, and means for selecting and shifting said synchronizing clutch and unitary gear and clutch successively including mechanism for shifting the unitary clutch and gear out of its normal position only after the synchronizing clutch has been shifted to clutch the gear of the forward train to the transmission shaft.

2,238,371
LENS MOUNTING
Gordon B. Pollock, Los Angeles, Calif.
Application June 26, 1939, Serial No. 281,063
14 Claims. (Cl. 95—44)

1. In a camera having a focal plane, an opening in the body thereof having an abutment at fixed distance from said focal plane, and a lens mounting comprising a collar adapted to be secured in said opening, having abutment means coacting with said first mentioned abutment means,

and having an integral internal shoulder, a sleeve movable in said collar, a resilient retaining means having a bearing against the interior shoulder of said collar, and a lens surmounting said resilient



means and held by said sleeve, whereby said lens may be prefocused in said collar, and whereby securing said collar in said camera results in a positioning of said lens at a desired and predetermined distance from said focal plane.

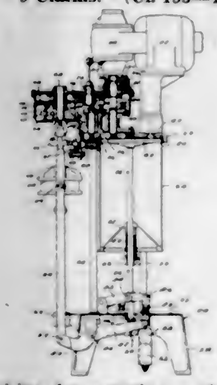
2,238,372

MACHINE FOR SEAMING END CLOSURES TO CONTAINER BARRELS

John F. Price, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York

Application October 5, 1939, Serial No. 298,079

9 Claims. (Cl. 153—1)



1. A machine for securing a ring member to the end of a container barrel comprising a frame, a head mounted on the frame, a pair of seaming rolls journalled in said head, one of said rolls being movable toward and from the other, a container support movably mounted in the frame and extending in angular relation to said head when in initial position and being movable into axial alinement with said head, a motor operatively connected to said rolls to effect rotation thereof, and means operable by said motor, upon movement of the container support into alinement with the head, to effect axial movement of said support toward the head and to move said movable roller into engagement with the ring member and to subsequently return said movable roller and container support to normal position.

2,238,373

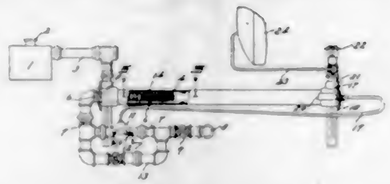
APPARATUS FOR TREATING LIQUIDS CONTAINING BACTERIA AND SPORES

Charles E. Rogers, Novi, Mich., assignor to C. E. Rogers Company, Detroit, Mich., a corporation of Michigan

Original application July 2, 1934, Serial No. 733,434, now Patent No. 2,115,470, dated April 26, 1938. Divided and this application March 28, 1938, Serial No. 198,391

5 Claims. (Cl. 99—251)

3. Means for pasteurizing and deodorizing lacteal liquids for the destruction of bacteria and spores which comprises a vacuum chamber, a pump and a conduit for discharge of the liquid to the vacuum chamber, said conduit comprising a heating section in which the fluid is heated under pressure, a section connected therewith and discharging to the vacuum chamber, and



an adjustable pressure regulating valve between the two said sections whereby the liquid in the heating section may be maintained under the desired pressure while being heated and in the other section reduced in pressure wherein the liquid flows while under internal heat prior to discharge to the vacuum chamber.

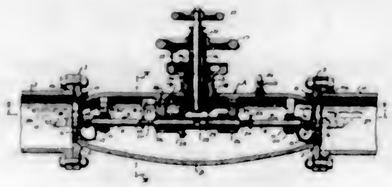
2,238,374

VALVE

Robert A. Sallee, Point Richmond, Calif.

Application September 27, 1939, Serial No. 296,779

6 Claims. (Cl. 277—33)



1. In a valve of the character described, a valve casing having a valve seat, a valve engageable with the seat, a valve stem upon which the valve is pivotally mounted, said valve assuming a position parallel to its seat and at right angles to the stem when in engagement with the seat, means for imparting longitudinal movement to the stem to move the valve away from its seat, other means for automatically moving the valve about its pivot to assume a position parallel to the valve stem and at right angles to the seat during movement of the valve away from its seat and means for imparting rotary movement to the valve when in engagement with the seat.

2,238,375

WATER HEATER FOR RANGES

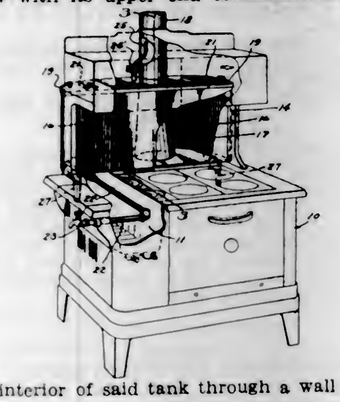
Benjamin H. Simpson, Minneapolis, Minn.

Application July 3, 1939, Serial No. 282,687

7 Claims. (Cl. 126—34)

5. A range having at its back an upturned elbow for the discharge of the products of combustion, and a water tank applied at the back of the range in heat conducting contact with the top portion of the range, said tank having a flue extended upward therethrough and connected to and forming continuation of the discharge passage of said elbow, and in further combination with an auxiliary heating pipe extended from the

lower portion of said tank into and through said elbow with its upper end communicating with



the interior of said tank through a wall of said flue.

2,238,376

DRY CELL BATTERY

Arthur E. Spicer, Pasadena, Calif.

Application November 13, 1939, Serial No. 304,006

4 Claims. (Cl. 136—107)



1. In a dry battery, a hollow elongated electroactive metal casing including an open top and having a plurality of longitudinal partitions therein forming compartments, a positive pole member in each compartment and an electrolyte about each pole, a disk in the open end of said casing, said partitions including portions engaging said disk, a second disk arranged above said first disk; contact means on said second disk engaging said pole members, and a shell about the casing, said shell having the upper end thereof turned inwardly and contacting with said second disk.

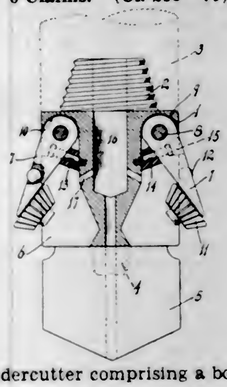
2,238,377

UNDERCUTTER

Edward S. Strang, Long Beach, Calif.

Application September 9, 1939, Serial No. 294,119

6 Claims. (Cl. 255—76)



1. An undercutter comprising a body, said body being adapted and arranged to be mounted on drill pipe, said body having a recess in the side thereof, a cutter arm mounted in said recess, a pin extending through the arm and seated in the body whereby the arm is held in position, a cutter journaled on said arm adjacent the lower end thereof, and a rubber block positioned between said arm and the body of the undercutter, said rubber block urging the arm outwardly, an arcuate seat formed in the body within said recess, said arm being adapted and arranged to bear against said seat.

2,238,378

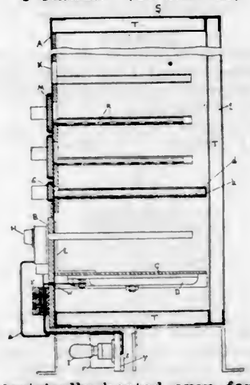
APPARATUS FOR PREHEATING MOLDABLE, THERMOSETTING COMPOSITIONS

Arthur Percy Summerfield, Birmingham, England

Application March 15, 1940, Serial No. 324,070

In Great Britain January 16, 1939

5 Claims. (Cl. 219—35)



1. An electrically heated oven for preheating moldable, thermosetting compositions, said oven including vertical walls; a portion of one of said vertical walls comprising a removable, heat-insulating panel; one side of said panel being provided with the thermostat and other electrical control members, and the other side of said panel being provided with a horizontal platen bearing the heating element; a portion of one vertical wall being provided with a number of apertures, adapted to receive slidably arranged trays, the front of said trays forming closures for said apertures, and the bottom of each tray consisting of wire gauze.

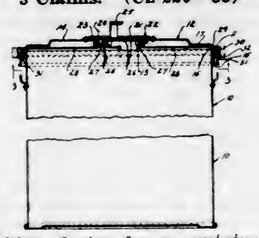
2,238,379

LOCK FOR CONTAINER LIDS

Edward J. Tiffany, Van Nuys, Calif.

Application February 20, 1939, Serial No. 257,390

3 Claims. (Cl. 220—55)



1. A locking device for a container lid having a downwardly turned marginal flange

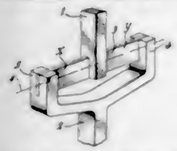
adapted to receive the upper end portion of a container which is provided at its upper end with an external bead, comprising a manually rotatable member rotatably mounted on and at the center of said lid, a handle on said rotatable member above said lid, a locking link operatively connected at its inner end to said rotatable member at a point offset from its axis of rotation, said locking link extending from said operative connection in an outward direction, a guide aperture in said lid through which said outwardly extending link projects, said guide aperture forming a slide bearing for said link and a hook on the outer end of said link engageable under said container bead, said container flange having a second aperture spaced below said first mentioned aperture, and said hook extending around the outside of the portion of said flange that is between said two apertures and thence inwardly through the lower of said apertures to engage directly under said bead.

2,238,380

PRETWISTED TORSION PLATE SPRING

John O. Almen, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 14, 1939, Serial No. 290,141
19 Claims. (Cl. 267—57)



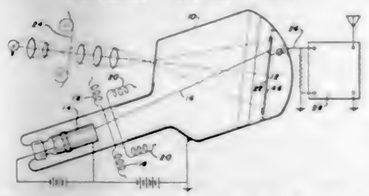
1. A torsion plate spring formed with an initial twist such that it has a helical surface in its unstressed condition, said torsion plate spring thereby having a varying rate which first decreases and then increases, through a range of its torsional deflection, opposite to that of its initial twist.

2,238,381

IMAGE ANALYZER

John C. Batchelor, Hastings on Hudson, N. Y.

Application March 12, 1938, Serial No. 195,565
6 Claims. (Cl. 250—153)



6. A scanning device comprising a tube provided with an image screen; means within said tube for developing a ray of electrons and directing said ray at said screen; and means for deflecting the ray to cause it to scan a given area of one surface of said screen, said screen comprising a plane imperforate insulating base, an electrically conductive grid formed upon said insulating base and supported exclusively thereby, a multiplicity of isolated metallic particles formed upon said base in the interstices of said grid but smaller than said interstices, and a photoelectrically sensitive surface layer on the exposed surface of said metallic particles presented toward said electron gun.

2,238,382

FORMATION OF FERROUS METAL POWDERS AND FORMATION OF ARTICLES BY SINTERING

Alfred L. Boegehold, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application August 10, 1938, Serial No. 224,205
17 Claims. (Cl. 75—22)

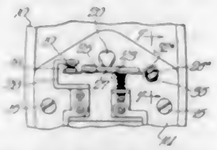
1. A process of forming an article which comprises mixing iron or low carbon iron particles with high carbon content iron particles containing more than 1.7% carbon, compressing said mixture into the desired form and heating the compressed mixture to a temperature less than the melting point of the low carbon iron particles and at least as high as the melting point of the iron-iron carbide eutectic.

2,238,383

MOTOR SPEED ADJUSTING DEVICE

Harry L. Collins, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application October 17, 1938, Serial No. 235,469
3 Claims. (Cl. 200—30)



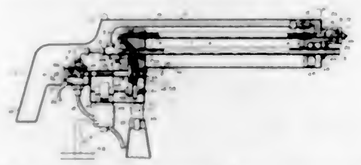
1. An adjustable contact structure for a contact breaker type of motor comprising a contact carrying arm, a hook-shaped portion at one end of said arm, a contact mounted on the other end thereof, a strip of insulation mounted on said arm intermediate said ends for engaging a motor cam, a rotatable mounting pivot, an eccentric portion on said pivot, said hook-shaped portion of said arm engaging said eccentric portion, a head on said pivot for retaining said hook-shaped portion in position longitudinally of said pivot, and a spring engaging said arm adjacent said pivot for retaining said hook-shaped portion of said arm in engagement with said eccentric portion of said pivot.

2,238,384

PNEUMATIC AMUSEMENT MACHINE GUN

Charles A. Feltman, Brooklyn, N. Y.

Application June 1, 1939, Serial No. 276,762
12 Claims. (Cl. 124—11)



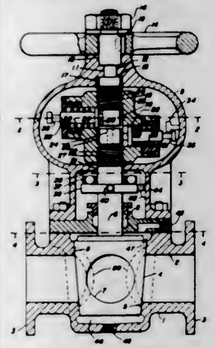
5. A pneumatic machine gun comprising a barrel, a block supporting the rear end of the barrel and having a bore forming a continuation of the barrel, an air-tight magazine for balls extending at one end into the block, the block having a passage for the balls between the magazine and the barrel, means to simultaneously admit compressed air into the rear end of the barrel continuation in the block and into the outer end of the magazine for causing air flow through the magazine and through the barrel, thereby projecting the balls from the barrel, pins slidably fitted in the block and passing into the passage for the balls in the block, the pins being spaced apart at a distance corresponding to the diameter of one ball, a motor, means to alternately reciprocate the pins by the motor for admitting the balls into the barrel one at a time, a retrieving means for the pins, each pin consisting of two relatively movable portions and resilient members for keeping the two portions apart lengthwise, and means to limit the outward movement of the two portions of each pin.

2,238,385

PLUG VALVE

Howard C. Foster, Los Angeles, Calif., assignor to John C. Batchelor

Application October 14, 1939, Serial No. 299,529
7 Claims. (Cl. 74—22)



1. A fluid control valve actuating mechanism of the type which unseats, turns and reseats a closure member by a single continuous operation of a single actuating device comprising a valve stem having an external screw thread of one direction of procession on its upper portion; an actuating stem coaxial with said vlave stem and having on its lower portion an external screw thread of a direction of procession opposite that of said first thread; an actuating device for imparting continuous rotary motion to said actuating stem; a collar embracing said valve stem and said actuating stem and having internal screw threads cooperating respectively with said screw threads on said valve stem and said actuating stem; means for preventing relative rotation between said collar and one of said stems during one portion of said continuous rotary motion, relative rotation being permitted between said collar and the other of said stems to lift said valve stem toward said actuating stem; means for preventing relative rotation between said collar and both of said stems during a second portion of said continuous rotary motion to rotate said valve stem in the direction of said rotary motion; and means for permitting relative rotation during a third portion of said continuous rotary motion between said collar and the stem between which relative rotation was restrained during said first portion while preventing relative rotation between said collar and the stem between which motion was permitted during said first portion, to lower said valve stem away from said actuating stem.

2,238,386

WIRE OR ROD CLAMP AND CONNECTOR

Louis Frank, Taft, Calif.

Application December 13, 1938, Serial No. 245,421
4 Claims. (Cl. 287—115)



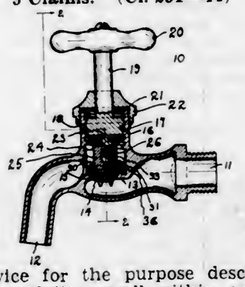
1. In a wire or rod clamp and connector, a plate, an upstanding longitudinally curved flange on one side of said plate, a clamping head, means for eccentrically and adjustably mounting said head on said plate adjacent said flange so as to engage and clamp a wire against said curved flange, an arm formed integral with said clamping head and a series of ratchet teeth formed on said plate with which the free end of said arm is adapted to engage.

2,238,387

VALVE

Jonas Friedel, Omaha, Nebr.

Application December 16, 1939, Serial No. 309,645
5 Claims. (Cl. 251—44)



1. A device for the purpose described comprising a conduit, a wall within and disposed across said conduit, said wall being provided with an aperture through which a substance is adapted to pass, a valve-seat carried by said wall, said seat being disposed about said aperture, a valve-head comprising oppositely disposed abutting half portions and having an end adapted to abut against said seat for sealing said aperture, the other end of said head being provided with a recess having a flanged inner end, said head being provided with a slot disposed across said seat, said slot being elongated in the direction of said recess, a valve-stem having a pintle end of complemental contour with respect to said flanged recess and disposed in the latter, means for connecting said stem and head together, means including screw-threads for causing said head to move toward and away from said seat during a rotation of said stem, and means for preventing a rotary movement of said head with respect to said seat during rotation of said stem, said preventing means comprising a pin disposed through said slot, the ends of said pin being secured to said conduit.

2,238,388

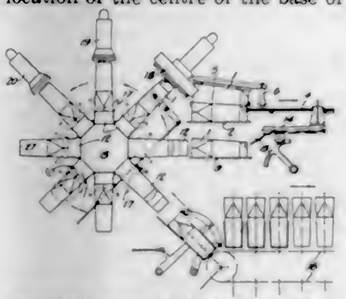
MECHANISM FOR CLOSING CARTON ENDS

Carl Wilhelm Hartmann, Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland

Application April 27, 1940, Serial No. 332,033
In Great Britain May 24, 1939
5 Claims. (Cl. 93—36.8)

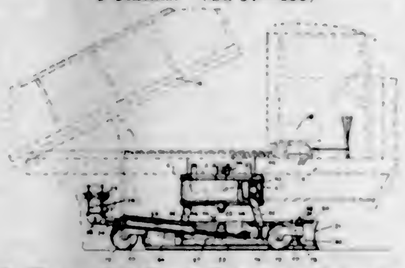
1. Mechanism for forming a closed rosette base

end on tubular cartons comprising a head, a former adapted to receive a carton to be opposed to said head, a number of relatively translatively movable carton base engaging and closing members carried by said head and all located wholly uni-laterally in relation to planes radiating from a common centre approximating to the predetermined location of the centre of the base of each



carton operated upon, side faces on said members very close to said planes so as to radiate from or to be tangential with respect to a central zone of pressing operation of the head, and also all adapted to be pressed against the exposed base end of a carton and to be moved simultaneously inwards relatively to the head in tangential directions whilst in engagement with the base end parts of the carton.

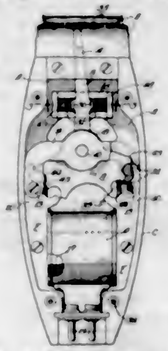
2,238,389
TRUCK GRADER
Joseph H. Kerber, Milwaukee, Wis., assignor to Hi-Way Service Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 8, 1939, Serial No. 272,491
8 Claims. (Cl. 37—155)



1. The combination with a motor driven truck having side bars, a rear axle, and front and rear wheels, of supporting means clamped to said side bars in the space between said front and rear wheels, a grader blade, hangers connecting the end portions of said blade with said supporting means, means for raising and lowering said blade and hangers, a push frame for said blade operatively connected to said rear axle, and means for swinging said blade and hangers angularly in a generally horizontal plane.

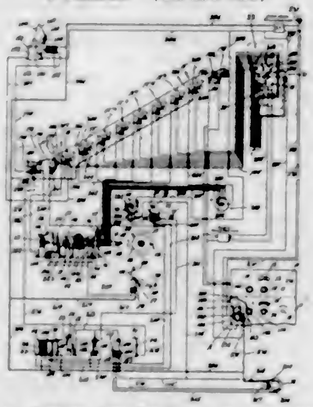
2,238,390
DRY SHAVER
Rudolph Knopp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application August 1, 1938, Serial No. 222,459
1 Claim. (Cl. 172—126)

In a vibrator, a casing, a symmetrical U-shaped field member mounted therein with its cross-piece adjacent the rear end of the casing, and its ends lying in the central portion of the casing, a coil on said cross piece, a pivot located forwardly of the ends of said field member, an armature on said pivot, the adjacent faces of said armature and the ends of said field member having their extremities formed, respectively, along circular arcs having said pivot as a center, notches in said



adjacent faces, a drive lever mounted on said armature and extending forwardly therefrom, a pair of projections on said lever forwardly from said pivot, a bracket, arms on said bracket, on each side of said lever a compression spring engaging one of said projections and one of said arms, a support for said bracket, slots in said support extending transversely of said casing, and tie means extending through said slots and engaging said bracket.

2,238,391
RADIO TUNING SYSTEM AND DEVICE
George E. Masters, Miami, Fla.
Application March 23, 1939, Serial No. 263,625
6 Claims. (Cl. 250—20)



1. In a device for facilitating the automatic and simultaneous setting, for any desired station, of the tuning and volume controls of an existing, normally manually operable radio receiver, a self-contained, motorized mechanism, independent from, but readily attachable to, or detachable from such receiver, and having means, corresponding to and operatively connectable with the tuning and volume controls of the receiver, said mechanism comprising a plurality of

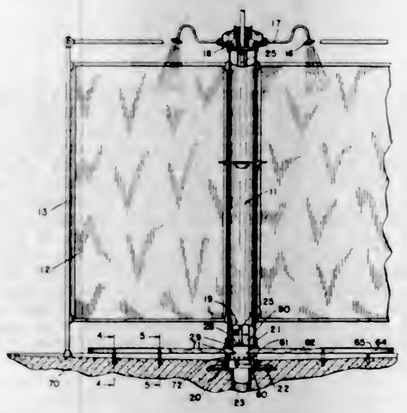
automatic station tuning units, operable both mechanically and electrically, manually actuated means for operating said units mechanically, time controlled means and remote controls for operating the units electrically, said units having means for mechanically connecting them, a motor control and an audio control switch operative with said connecting means, the latter means being adapted to be operated by the operation of any one of said units, to close the motor control switch and open the audio control switch, and means in said mechanism for keeping the latter switch open prior to and during the tuning and volume setting operation, and to close it, when that operation terminates, while at the same time opening said motor control switch.

2,238,392
BRONZE WELDING ELECTRODE
Milan A. Matush, Milwaukee, Wis., assignor to Ampco Metal, Inc., Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application December 4, 1939, Serial No. 307,492
13 Claims. (Cl. 219—8)

6. An aluminum bronze welding electrode with a covering containing fluorides and a binder.

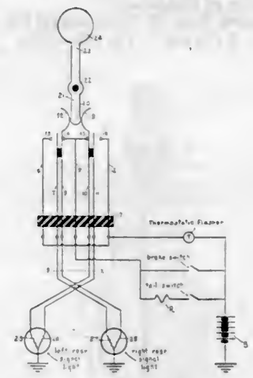
12. A bronze welding rod comprising a bronze rod and a covering thereon containing a flouride and a metal of the group of aluminum, nickel, chromium and manganese, or an alloy thereof.

2,238,393
SHOWER APPARATUS
Howard A. Mullett, Milwaukee, Wis., assignor to Bradley Washfountain Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 26, 1939, Serial No. 270,093
2 Claims. (Cl. 4—145)



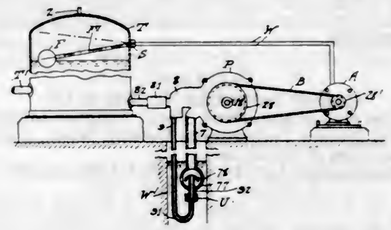
1. In a shower apparatus having a standard provided with a drain opening in its lower portion and a shower head carried by said standard, the combination of a water supply connection for said head mounted on said standard, a spring closed valve in said connection to control the flow of water to said head, and means for operating said valve comprising a pivoted lever projecting into said standard and limited in its movement by the walls thereof, said lever having a platform on which the bather stands while operating the valve.

2,238,394
SIGNAL SYSTEM FOR VEHICLES
Howard J. Murray, Jr., New York, N. Y.
Application June 11, 1938, Serial No 213,179
10 Claims. (Cl. 177—337)



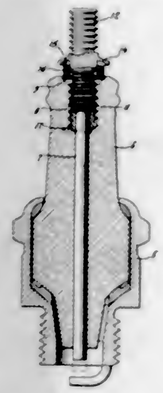
3. In a vehicle signalling system; a pair of double-filament signal lights mounted on opposite sides at the rear of the vehicle each including a stop-tail signal filament and a direction signal filament; means, including a source of current and a resistance, for selectively constantly energizing the stop-tail filament in each of the said lights as a stop signal and as a tail signal; and means for intermittently energizing the direction signal filament in one of the said lights as a direction signal while the other light contains a constantly energized stop-tail filament; both of said means having elements in common.

2,238,395
PUMP
Alfred Nittka, Elkton, Mich.
Application February 13, 1939, Serial No. 256,131
2 Claims. (Cl. 103—5)



1. The combination, with a pump having a housing, a rotor within said housing, a vertical suction pipe adapted to extend into a well, an outlet opening, and an oscillatory valve member operated in one direction by said rotor and having resilient means for operating it in the other direction so as to control the flow of liquid from said housing to said outlet opening; of an air pump having a cylinder, a piston in said cylinder, link means connecting said piston with said valve member, and a discharge pipe upon said air pump terminating within the lower end of said suction pipe, whereby air is delivered to said suction pipe upon each oscillation of said valve member.

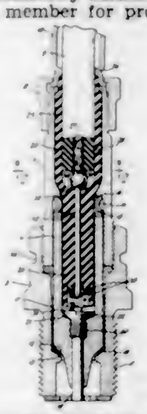
2,238,396
SEALING MEANS FOR SPARK PLUG ELECTRODES
Hector Rabezzana, Alexander J. Battey, and Lucian H. Wyatt, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 27, 1939, Serial No. 286,824
1 Claim. (Cl. 123—169)



In sealing means for the upper end of the insulated electrode of a spark plug and in combination with a spark plug insulator having a longitudinally extending passage the upper end of which is larger in diameter than the lower end thereof, and which enlarged upper end is interiorly threaded and the entrance to which interiorly threaded upper end is beveled; an electrode extending through said passage, and having an enlarged threaded portion engaging the interiorly threaded upper end of the passage aforesaid; an annular flange upon the enlarged upper end of said electrode, and which flange has a recess in its under side; and an annular deformable sealing member surrounding said electrode and the upper end of which lies within said recess, and the lower end of which lies within the beveled entrance to said interiorly threaded passage.

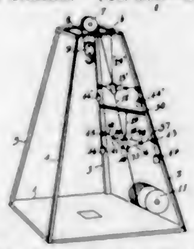
2,238,397
RADIO SHIELDED SPARK PLUG
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 15, 1940, Serial No. 345,476
3 Claims. (Cl. 123—169)

1. In a shielded spark plug, a hollow tubular shell or casing having a threaded portion at its lower end, and a metallic shield tube extending upwardly therefrom; a tubular insulating member supported within said shell or casing and extending into the lower end of said shield tube; means for securing said insulating member in place within said shell; an insulated electrode carried by and extending from the lower end of said insulating member; a tubular terminal member made of insulating material within said shield tube and extending downward and into said insulating member; an insulated current supply lead extending into the upper end of said terminal member, and which lead has an external metallic sheath; means for securing said metallic sheath to the upper end of said shield tube; and means permanently assembled with said tubular terminal member for providing a current



conducting connection between said supply lead and said insulated electrode.

2,238,398
LINE SPOOLER
John E. Reed, Beldridge, Calif.
Application May 22, 1937, Serial No. 144,158
3 Claims. (Cl. 254—190)

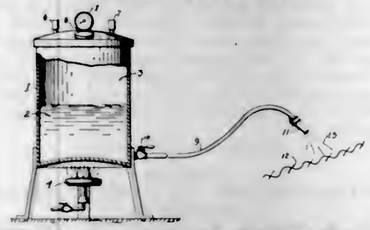


2. In a guide for damping vibrations in a long span of traveling cable, a housing member including a pair of complementary semi-cylindrical elongated housing members, each having longitudinally extending flanges thereon, by which said members may be assembled together, lining means for said housing defining a restricted longitudinal bore through said guide, through which said cable may freely travel, means on at least one of said housing members near the longitudinal center thereof by which said guide may be suspended for substantially free lateral movement with respect to the direction of travel of said cable, and guy means associated with said housing for restricting the lateral movement of said guide.

2,238,399
BEARING ALLOY
Alfred W. Schluchter, Dearborn, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application April 5, 1937, Serial No. 135,111
7 Claims. (Cl. 308—242)

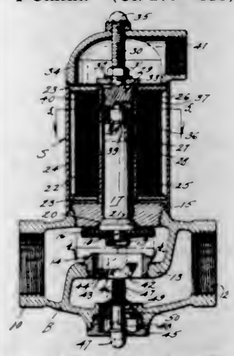
1. A bearing formed of an alloy capable of being rolled into sheet form from cast ingots and having high antifriction properties and fatigue resistance, said alloy consisting of aluminum 85–96½%, silicon not over approximately 10%, and cadmium not over approximately 5%.

2,238,400
DYEING PROCESS
Lawrence O. Scott, San Jose, Calif.
Application February 18, 1939, Serial No. 257,195
2 Claims. (Cl. 8—146)



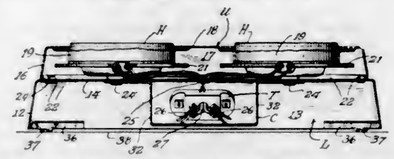
1. The process of dyeing fabric which consists in preparing an aqueous solution of a dye, raising the temperature of the dye to a point where it is converted into steam upon contact with the atmosphere, confining said heated solution under pressure greater than atmospheric pressure and forcibly discharging the heated dye by said pressure upon the fabric in the presence of the atmosphere.

2,238,401
SOLENOID
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application July 11, 1938, Serial No. 218,606
1 Claim. (Cl. 175—338)



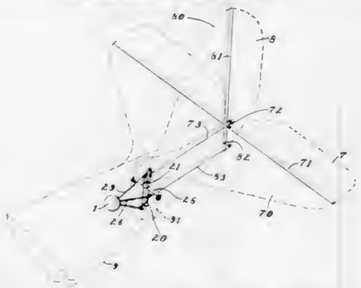
In a device of the class described, a solenoid coil, a plunger tube therein, a plunger substantially filling the bore of said plunger tube and having its marginal upper end reduced in diameter, a pole member in said solenoid coil, said pole member having a stationary shading ring therein constituting a socket to receive said reduced marginal end of said plunger when said coil is energized, with said reduced marginal end substantially fitting said shading ring and being surrounded thereby, said reduced end being removed from said socket and shading ring when said coil is deenergized, a stop flange on said plunger below said solenoid coil, and a stop seat rigid with relation to said solenoid coil, said stop seat having a beveled face starting at the lower edge of said bore and provided for said stop flange to seat against when said solenoid coil is energized, said stop flange having a similarly beveled face to fit the beveled face of said stop seat when said coil is energized, said beveled face of said stop seat being so spaced relative to the inner end of said socket as to prevent contact and effect but slight spacing of said marginal upper end of said plunger relative to said socket inner end in the energized position of said plunger.

2,238,402
STOVE CONSTRUCTION
Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 3, 1938, Serial No. 183,151
2 Claims. (Cl. 219—37)



2. In a stove construction, a bottom member having a horizontal top web and a depending flange around the periphery thereof, a top member having a horizontal top portion and a depending flange around the periphery thereof, the lower edge of said last mentioned flange resting on the top web of said bottom member, a plurality of openings in said top web, tongues on said top-member flange ertending through said openings to retain said top member in position on said bottom member, upstruck beads in said top web raised above the plane thereof, extending between said openings and engaging the inner surface of said top-member flange, a channel shaped member comprising a horizontal web portion, upstanding side flange portions and horizontal wing portions extending outwardly from the upper edges of said side flange portions, and openings in said wing portions, said above mentioned tongues extending therethrough to retain said channel shaped member in assembled relation to said bottom member.

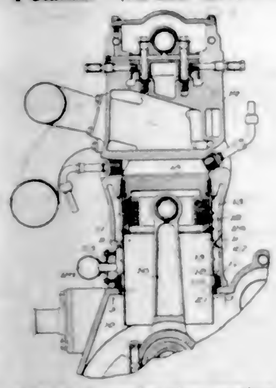
2,238,403
MASS BALANCING MEANS FOR CONTROL SURFACES
Albert A. Soderquist, near Seattle, and Robert J. Minshall, Seattle, Wash., assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application December 7, 1938, Serial No. 244,452
18 Claims. (Cl. 244—87)



1. In combination with a hingedly mounted aircraft control surface, balancing means therefor including a mass movably mounted within the elevation of the swingable surface, and at the same side of but independently of the surface's hinge axis, and means operatively connecting the surface and said mass, to move the latter

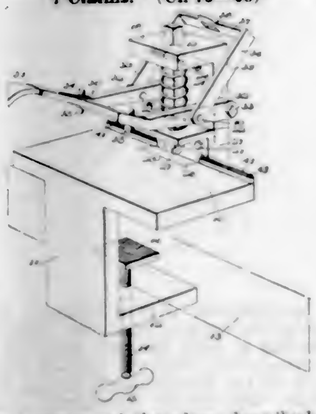
compensably and oppositely by and in accordance with swinging movement of the control surface.

2,238,404
INTERNAL COMBUSTION ENGINE
Louis R. Spencer, West Hartford, Conn., assignor to Spencer Aircraft Motors, Inc., Hartford, Conn., a corporation of Connecticut
Application September 19, 1939, Serial No. 295,662
4 Claims. (Cl. 123—173)



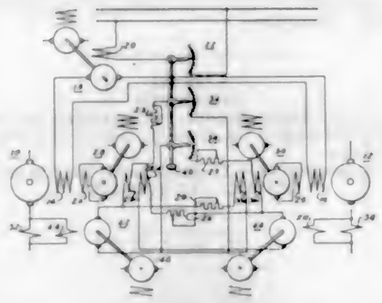
2. In an internal combustion engine comprising a cylinder, a jacket enclosing the cylinder and a base on which said cylinder and jacket are mounted, there being a packing recess between said cylinder and jacket open at one end of the jacket, a body of resilient packing material in said recess, a metal ring positioned against the exposed face of the packing, and a retainer ring carried by the cylinder at a point spaced beyond said end of the jacket to retain the first-mentioned ring and packing material in the recess with the latter under only partial compression, and means for securing the jacket and the first-mentioned ring against said base to impose a still greater pressure on said packing.

2,238,405
BENCH SAW SETTING DEVICE
George A. Valpan, Anchorage, Territory of Alaska
Application September 19, 1940, Serial No. 357,389
7 Claims. (Cl. 76—68)



1. In a device of the class described, a base adapted to be removably secured to a support, an anvil formed in the base, a reversible cooperating setting plunger, a spring embracing the plunger and normally influencing said plunger upwardly from said anvil, upright means on the base, a pivotally mounted saw clamping means on the upright means, a pivotally mounted yoke on said clamping means movable to engage the upper end of the plunger, and a selective gauging means mounted on the base, said gauging means comprising supports on the base and removable gauge members slidably embracing said supports.

2,238,406
CONTROL SYSTEM FOR DYNAMOELECTRIC MACHINES
Ralph H. Wright, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1937, Serial No. 165,288
3 Claims. (Cl. 171—312)

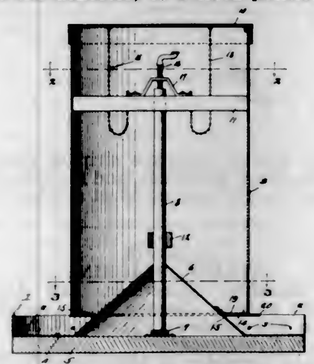


1. In a control system the combination with two motors connected to a common load, of a main field winding and an auxiliary field winding for each of the motors, means for energizing each of said auxiliary windings comprising a series exciter connected to each of said windings, a cumulative field winding and a differential field winding for each of said series exciters, a pilot exciter for each of the motors, means for exciting each of said pilot exciters in accordance with the load on its associated motor, means connecting each of said cumulative field windings of the series exciters to the pilot exciter of its associated motor, and means for connecting each of said differential field windings of the series exciters to the pilot exciter of the other motor.

2,238,407
HOG FEEDER
Jedah G. Webber, Antwerp, Ohio
Application November 7, 1939, Serial No. 303,281
1 Claim. (Cl. 119—53.5)

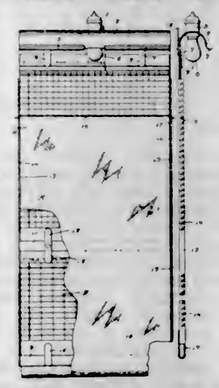
An animal feeder including a drum provided adjacent to its lower end with an inwardly projecting flange, a fixed, conical deflector about which the flange extends, to define an annular outlet for the drum, means for supporting the drum rotatably, removably, and for vertical adjustment to alter the size of the outlet, and a feed agitator extended across the outlet, in close relation to the flange, and resting on the flange, the agitator being hinged to the deflector for vertical movement, to maintain its position of rest upon the flange when the drum is adjusted vertically,

and to permit the agitator to be swung back against the deflector, to a fixed position out of



the way of the removable drum when the drum is lowered to place.

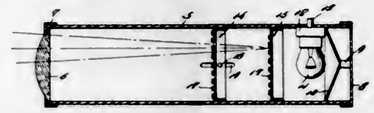
2,238,408
CHART HOLDER AND PROTECTOR
Muriel H. Ackert, Nelson, Pa.
Application August 16, 1940, Serial No. 352,946
4 Claims. (Cl. 281—44)



3. A chart holder comprising a backing plate of elongated rectangular formation, clamping tongues associated with the plate and for detachably securing record keeping blanks against the plate for making entries thereon, forwardly directed flanges formed on the sides of the plate and having a plurality of upwardly inclined notches therein, the notches of one flange being aligned with those of the other flange, a protecting apron for the blanks and made from flexible sheet material, said apron having one end secured to the lower end of the plate, a hem at the opposite end of the apron, and a rod mounted in the hem and extending beyond the ends thereof to be received in any of the aligned notches for disposal of the apron in covering relation with respect to the blanks at various positions thereon.

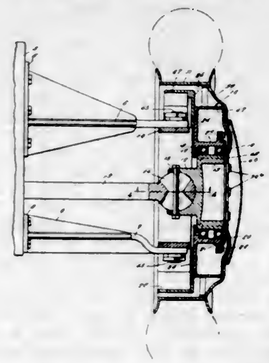
2,238,409
SIGNAL LIGHT
William C. Bomberger, Harrisburg, Pa.
Application June 24, 1940, Serial No. 342,165
1 Claim. (Cl. 240—22)

In a lamp of the character described, an elongated tubular casing, a magnifying lens mounted on one end of the casing, a reflector mounted interiorly of the casing adjacent the end thereof removed from said lens, a lamp in the casing immediately in front of the reflector, a pair of spaced supporting members in the casing between the lamp and the lens, each supporting member having a large opening therein and opaque strips carried by each supporting member and extending across the opening therein, said strips being of considerable width, the strips being spaced apart a distance substantially equal to the width



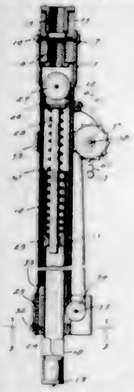
of the strips, the strips of the front supporting member being alternately arranged with respect to the strips of the rear supporting member, whereby the strips of the front supporting member will be in front of the spaces between the strips of the rear supporting member, said casing having oppositely arranged longitudinally extending slots therein, small plates slidably arranged on the interior of the casing and covering the slots, and screws passing through the plates and through the slots and engaging the front supporting member for adjustably holding the front supporting member in the casing.

2,238,410
VEHICLE WHEEL
Joseph Capuciati, New York, N. Y.
Application August 26, 1938, Serial No. 227,011
2 Claims. (Cl. 280—96.2)



1. In combination with a vehicle chassis, a wheel having a hub, a pair of vertically spaced arms projecting rigidly from the chassis, a vertically disposed frame having its upper and lower ends pivoted to the outer ends of the arms, cylinders carried by the side portions of the frame, a back wall section carried by the wheel, said hub being rotatable with respect to the back wall section, plunger members carried by the back wall section and extending into the cylinders, and compression springs in the cylinders against which the members on the back wall section are operative, said plunger members extending downwardly and upwardly into the cylinders from the upper and lower portions of the back wall section and being in telescopic relation to each other.

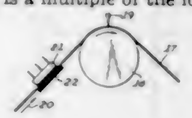
2,238,411
COMBINATION SHOCK ABSORBER AND EXTENSION LEG
Fred Conklin, Los Angeles, Calif.
Application June 28, 1939, Serial No. 281,757
3 Claims. (Cl. 254—148)



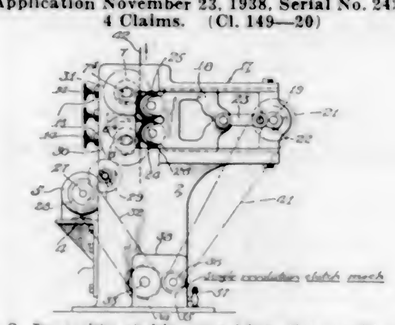
3. A combination shock absorber and leg extension comprising an outer upper tubular section open at opposite ends, an extensible section telescopically fitting the upper section through the open lowermost end thereof, a rest shoulder formed with said extensible section, a pulley within said upper tubular section and movably supported, a yoke carrying said pulley, a stem on said yoke and slidably fitted within the extensible section with the shoulder concentric to said stem, a coiled compression spring between the yoke and the said shoulder for yieldability of the pulley relative to the extensible section, a fitting interfitted with the lowermost end of the upper section and having holding screws passed therethrough and detachably engaged in said upper section at the interfitting point of said fitting with the said upper section, a guide pulley journaled in said fitting, an adjustable cable trained over the first-named pulley and under the last-named pulley and having one end fixed to one of the holding screws, a ratchet gear and pawl controlled windlass externally fixed on the upper section and having the other end of the cable fixed to said windlass for the winding of said cable on the said windlass or its unwinding therefrom, a ground contacting element fitting the lowermost end of the extension section, the said fitting interfitted with the lowermost end of the upper section being in snug embracing relation to the extensible section, and a reversible coupling carried at the uppermost end of the upper section.

2,238,412
MECHANICAL SOUND RECORDING AND REPRODUCTION
Karl Daniel, Cologne-Sulz, Germany
Application January 14, 1939, Serial No. 251,013
In Germany January 17, 1938
3 Claims. (Cl. 274—11)

1. In apparatus for recording or reproducing sound by means of a sound record strip having transversely spaced multiple sound tracks thereon, a stylus selectively engageable with one of said sound tracks, and means for longitudinally moving the strip past the stylus, the combination therewith of braking means located in front of the stylus and effectively engaged with the strip for exerting thereon a longitudinal braking effect which is a multiple of the longitudinal braking effect exerted upon the strip by said stylus at the maximum amplitude, and including means for regulating the braking effect exerted thereby.

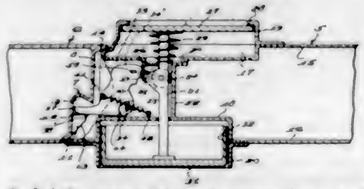


2,238,413
STAKING MACHINE
Larner Doughty, Somerdale, and Lawrence Anthony Ladner, Camden, N. J., assignors to Peerless Kid Company, Camden, N. J., a corporation of New Jersey
Application November 23, 1938, Serial No. 242,096
4 Claims. (Cl. 149—20)



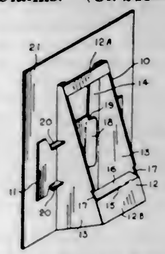
2. In a skin staking machine, the combination with a substantially horizontally disposed staking blade, of a pair of feed rolls arranged above said blade and operative to draw a skin upwardly over the edge of said blade, means disposed below said blade for tensioning the skin and for smoothing the skin in advance of said blade, said tensioning and smoothing means comprising separable skin-clamping elements, and means for traversing one each of said rolls and elements between an advanced or operative position with respect to its companion roll and element and a retracted position horizontally remote to said companion roll and element, said last-named position affording a vertical space through which the skin may be lowered from above between the rolls and between the elements of said tensioning and smoothing means.

2,238,414
DOOR LATCH
Vernon W. Erickson, Grand Coulee, Wash.
Application October 3, 1939, Serial No. 297,743
3 Claims. (Cl. 70—150)



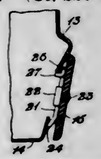
1. A latch comprising a mounting, a latch element pivoted on said mounting and having angularly related portions with one of said portions provided with a beveled face and a notch, an operating shaft slidable on said mounting and spring influenced in one direction, friction reducing means carried by said shaft to engage either the beveled face or the notch of the latch element for securing the latter in latching position and for freeing said latch element for movement into releasing position, a spring for releasably securing said latch element in releasing position and freeing the latch element of its influence when said latch element is in latching position, finger plates secured to the opposite ends of the shaft, guards carried by the mounting and receiving the finger plates, a crank shaft journaled on said mounting, a locking bolt connected to the crank of the crank shaft to be engaged and disengaged with the latch element by the rotation of the crank shaft in opposite directions.

2,238,415
ADJUSTABLE SHOW CARD EASEL
Harold Farr and Jack Wilson, Lindsay, Ontario, Canada
Application September 16, 1939, Serial No. 295,328
In Canada February 13, 1939
5 Claims. (Cl. 248—35)



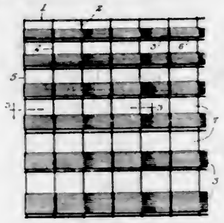
3. A display easel comprising a back panel and side wings extending at right angles thereto, the free vertical edges of said wings being bent inwardly to provide flanges, a show card retainer plate, and means on said plate adapted to engage said flanges to detachably secure said plate in position.

2,238,416
REFRIGERATOR CABINET CONSTRUCTION
Harry C. Foster, Connersville, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application July 31, 1937, Serial No. 156,818
7 Claims. (Cl. 220—9)



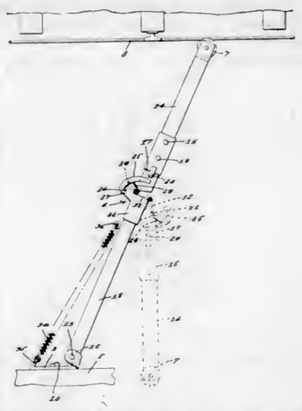
7. As an article of manufacture, a breaker strip for use in refrigerator cabinet construction having secured to one side thereof a locking clip comprised of spring wire and having a substantially rigid U-shaped portion projected laterally toward one side of the strip and oppositely projected resilient spring legs terminating in free ends bent at an angle with respect to said spring legs, the clip being secured to the breaker strip at a point intermediate said U-shaped portion and said spring legs.

2,238,417
SNOW FENCE
Chris Fredrickson, Rice Lake, Wis., assignor to Metal Snow Fence Company, Rice Lake, Wis., a corporation of Wisconsin
Application January 25, 1940, Serial No. 315,557
3 Claims. (Cl. 245—11)



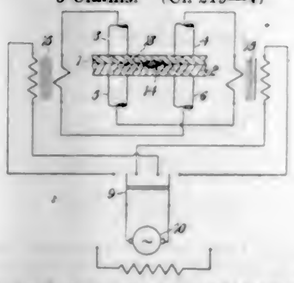
1. A metal fabric of the character described including a plurality of spaced transversely extending rods, a plurality of spaced longitudinally extending wires interwoven in a plain weave of open mesh and flat metal strips of less width than the spacing between the respective longitudinally extending wires extending parallel with said longitudinally extending wires and interwoven with said rods, there being a metal strip for each of said longitudinally extending wires except the top wire, the width of said metal strips being such as to provide open portions between the respective metal strips and the next adjacent wire thereabove.

2,238,418
SAFETY HINGE
Leigh S. Grant, Grass Valley, Calif.
Application September 13, 1940, Serial No. 356,695
2 Claims. (Cl. 191—64)



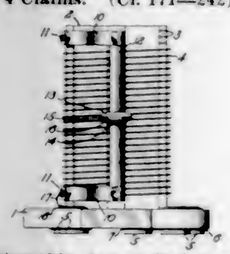
1. A trolley pole comprising an upper section and a lower section, a hinged connection between the sections and catch means between the sections and means operated by the upper section for releasing the said catch means upon longitudinal movement of the upper section, said catch means and means for operating the catch means consisting of a catch member carried by the upper section, a projection on the lower section normally engaged by the catch, and a slide lug carried by the upper section for engaging the catch to release it from the said projection.

2,238,419
ELECTRIC SPOT WELDING
Walter Hass, Klein-Machnow, near Berlin, Germany, assignor to Bernhard Berghaus, Berlin-Lankwitz, Germany
Application September 28, 1938, Serial No. 232,196
In Germany October 9, 1937
5 Claims. (Cl. 219—4)



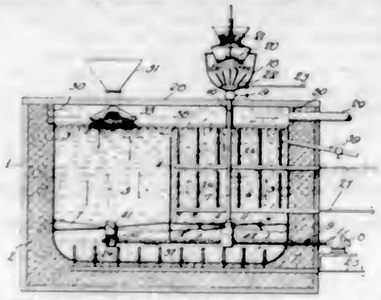
3. Apparatus for electric resistance spot welding comprising in combination, a first electrode and a second electrode spaced from the first electrode both engaging one face of the material to be welded, a third electrode and a fourth electrode spaced from the third electrode both engaging the opposite face of the material to be welded, an electrical source, means for successively impressing a voltage from said source across the first and the fourth electrodes and across the second and the third electrodes whereby welding currents will be caused to flow in succession of one another periodically through the same spot of the material being welded through two paths crossing one another at said spot.

2,238,420
INDUCTANCE
John E. Johanson, Boonton, N. J., assignor to Aircraft Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application May 21, 1938, Serial No. 209,297
4 Claims. (Cl. 171—242)



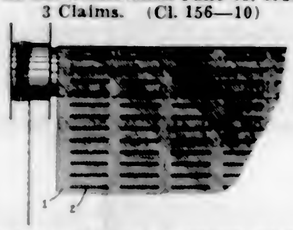
1. An adjustable tap inductance for use at radio frequencies, said inductance comprising a coil form, a coil of spaced turns of bare wire supported on said form, a conductive rod extending along said coil form, spring means fixed to said coil form for urging said rod radially towards said coil, a sleeve slidable and rotatable upon said rod, said sleeve having a domed contact head at one end thereof, a domed washer of insulating material on said sleeve and merging into said domed contact head, said domed head and washer being projected between and into contact with adjacent turns of said coil by said spring means, whereby said spring means must yield to permit a manual displacement of said sleeve for engagement of the domed contact head with another turn of the coil, and terminal means on said coil form electrically connected to one of said spring means and to at least one end of said coil.

2,238,421
PROCESS AND APPARATUS FOR PRODUCTION OF ANHYDROUS HALIDES AND FUSIBLE SILICATES
Darwin Krucoff, Washington, D. C.
Application September 22, 1938, Serial No. 231,254
9 Claims. (Cl. 23—93)



1. The method of producing aluminum chloride in a continuous process which comprises forming a fused bath of sodium silicate, charging therein predetermined proportions of aluminum silicate components, dissolving the said components in the sodium silicate, reacting the aluminum silicate therein with fused sodium chloride, removing gaseous aluminum chloride and excess sodium silicate, and returning the major portion of sodium silicate to the first named bath.

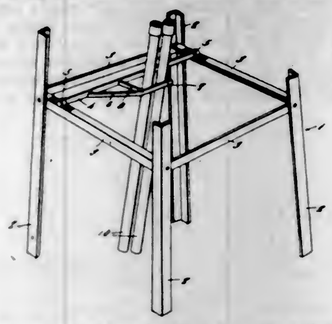
2,238,422
GLAREPROOF BLIND MADE OF PAPER OR SIMILAR MATERIAL
Victor Wilhelmus Marcin, Amsterdam, Netherlands, assignor to Exploitatie Maatschappij Marcin & Co. N. V., Amsterdam, Netherlands, a corporation of the Netherlands
Application June 20, 1939, Serial No. 280,167
In the Netherlands June 28, 1938
3 Claims. (Cl. 156—10)



1. A glareproof blind of opaque material having a plurality of elongated narrow slits distributed over its area, the width of the slits being of the order of the thickness of the material and the distance between the slits being a multiple of the width thereof.

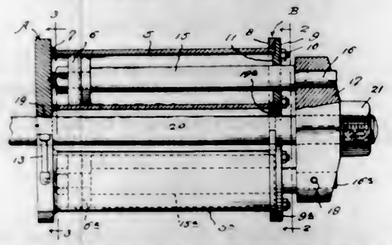
2,238,423
TUBING RACK
Simeon Lewis McCumber and Frank Buck, Dinero, Tex.
Application September 30, 1939, Serial No. 297,380
1 Claim. (Cl. 211—60)

In combination, a derrick structure including corner legs and struts extending between said legs, a shaft extending horizontally between certain of said struts, means securing the end portions of the shaft to said certain struts, an angular arm fixed on the shaft at an intermediate point and projecting horizontally therefrom, said



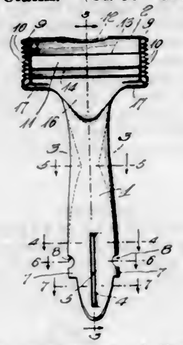
arm including a free end portion paralleling the shaft in spaced relation thereto, and a brace extending between the shaft and the angle of the arm, said shaft, the brace and the free end portion of the arm defining, in conjunction with each other, a substantially U-shaped pocket for the reception of sections of well tubing.

2,238,424
HYDRAULIC MOTOR
Robert J. McQuade, Chicago, Ill.
Application November 25, 1938, Serial No. 242,386
2 Claims. (Cl. 121—38)



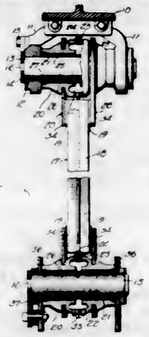
1. In a hydraulic motor, heads comprising flat plates arranged in spaced parallel relation, a pair of cylinders respectively connecting corresponding ends of said heads and closed at opposite ends by the latter, one of said heads comprising a relatively thick plate having transverse fluid admission and exhaust passages leading through an edge thereof to the respective cylinders, a welded joint between said one head and the adjacent ends of said cylinders including a fillet surrounding each cylinder, pistons reciprocable in said cylinders and having rods slidably projecting through the other head, a cross bar having end openings, the outer terminals of the piston rods being reduced and fitted in said openings of the cross bar, a pull rod arranged parallel with and between said cylinders and slidably extending through said heads, an end of said pull rod extending through the intermediate portion of the cross bar, a nut on the said end of the pull rod engaging the outer side of the cross bar to retain the pull rod therein, said other head comprising a thin plate having apertures receiving the other ends of the cylinders and welded to the latter, and separate closure plates for said other ends of the cylinders bolted to the outer face of said other head, said closure plates being provided in their adjacent sides with arcuate recesses conforming to said pull rod.

2,238,425
KITCHEN IMPLEMENT
Nathan Morris, Asbury Park, N. J.
Application May 9, 1938, Serial No. 206,910
1 Claim. (Cl. 30—316)



In a kitchen implement of the character described, an elongated body arcuate in cross section and having side walls gradually decreasing in depth toward its front end to provide sloping side edges, the forward end portion of said body constituting a penetrating blade for removing eyes from pineapples, the said blade being arcuate in cross section and having sharp side edges, and tongues at opposite sides of said body at the inner ends of the sharp side edges of said blade extending outwardly from the body in conformity with the curvature thereof and constituting abutments extending laterally from opposite sides of the inner end of the blade to limit the extent the blade may be forced into a pineapple when removing eyes from the pineapple.

2,238,426
BEARING STRUCTURE
James P. Norton, Beverly, Mass., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia
Application May 9, 1939, Serial No. 272,687
2 Claims. (Cl. 308—15)



2. A bearing structure for a pitman of a deep well pumping mechanism, comprising a cast body having a bushing therein, a pair of rigid flat spaced parallel inserts embedded in said cast body at points spaced from the ends thereof and

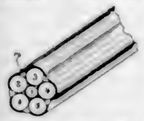
perpendicular to the axis of said bushing, said inserts being formed of a readily weldable metal of higher tensile strength than said cast body, each insert comprising a substantially circular portion surrounding the axis of said shaft concentric therewith and having a concentric opening of greater diameter than the internal diameter of said cast body whereby the metal of the latter extends through such opening, said cast body at each side of each insert being of greater diameter than the opening in the insert whereby the metal of the body extends over and circumferentially around at least a portion of each side face of each insert, said inserts having attachment portions extending radially outwardly of said cast body, and a rigid structure extending radially from said cast body and having an end portion provided with parallel outer face portions arranged between and welded to said attachment portions.

2,238,427

STRUCTURAL MATERIAL

Alfred Schmid, Berlin-Dahlem, Germany

Application June 26, 1937, Serial No. 150,507
In Germany July 9, 1936
4 Claims. (Cl. 154—43)



1. A light tubular structural unit comprising a plurality of parallelly disposed, tubular elements of circular cross section essentially composed of a cellulose derivative, said tubular elements being associated together in the form of a bundle and being adhesively united at their surfaces of contact with each other with the aid of a solution of a cellulose derivative.

2,238,428

METHOD OF MAKING BASIC REFRACTORIES

Max Y. Seaton, Greenwich, Conn., and Hugh H. Hartzell, San Leandro, Calif., assignors, by mesne assignments, to Basic Dolomite, Incorporated, Cleveland, Ohio, a corporation of Ohio

No Drawing. Original application May 23, 1935, Serial No. 23,128. Divided and this application May 20, 1938, Serial No. 209,140
4 Claims. (Cl. 106—9)

1. The process of making magnesia refractories of high structural strength and great refractoriness which comprises heating magnesia with silica and lime in sufficient proportion to form a eutectic of monticellite with crystallization of the magnesia as periclase, cooling, comminuting, mixing with enough fine material containing CaO to convert the monticellite into calcium silicate and reheating to effect this change and produce a hard solid matrix of dicalcium silicate enclosing and bonding the crystallized periclase.

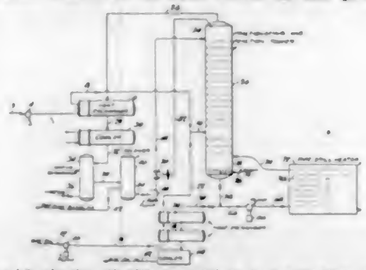
2,238,429

PROCESS FOR REFINING PRESSURE DISTILLATE

David G. Brandt, Westfield, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application October 23, 1937, Serial No. 170,518
4 Claims. (Cl. 196—75)

1. The process of refining cracked petroleum distillates of the type of cracked gasoline having undesirable gum and gum-forming characteristics for the purpose of correcting such characteristics and for producing a refined cracked distillate of desired end point, which comprises continuously introducing the cracked distillate to be treated and a straight run virgin petroleum distillate of the type of gas oil of higher boiling point than the cracked distillate into a fractionating tower, said virgin distillate being introduced into said tower in the proportion of from 5% to 20% of the cracked distillate introduced thereinto, distilling and fractionating the cracked distillate in said tower in the presence



of said virgin distillate which is partially vaporized in equilibrium with the constituents of said cracked distillate, continuously withdrawing overhead from the fractionating tower a refined cracked distillate of desired end point which is substantially free of gums and other heavy end products including constituents of said virgin distillate, and continuously withdrawing higher boiling virgin distillate together with gums and other heavy end products of the cracked distillate from the base of the fractionating tower and the process.

2,238,430

SECTIONALIZED V BELT

George F. De Wein, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application January 8, 1940, Serial No. 312,803
4 Claims. (Cl. 74—233)



1. A sectionalized V belt comprising outer tapered links arranged in overlapping relation and having a series of spaced holes, and inner tapered links arranged in overlapping relation and having a series of spaced holes, said spacings of said holes in said inner links being shorter than the spacings of said series of holes in said outer links, said outer and inner links arranged in divergent pairs having portions near one end in direct contact with each other, and rigid means passing through said holes for securing together said outer and inner overlapping links.

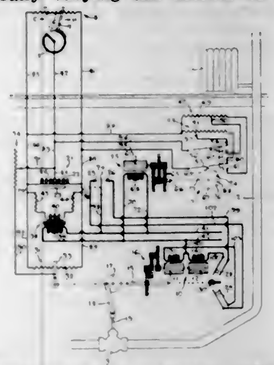
2,238,431

TEMPERATURE CONTROL SYSTEM

John E. Haines, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 9, 1936, Serial No. 109,857
2 Claims. (Cl. 236—46)

2. In a temperature control system for an enclosure, temperature changing means, regulating means therefor, means comprising electrical motor means for positioning said regulating means, a control potentiometer said control potentiometer comprising a relatively movable contact and resistance, temperature responsive means for varying the relative positions of said contact and resistance, means operatively connecting said control potentiometer to said motor and effective to cause said motor to position said regulating means in accordance with the relative positions of the contact and resistance of said control potentiometer, and means for automatically varying the setting of said con-



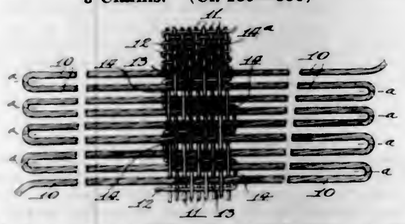
trol potentiometer to maintain different temperatures in said enclosure during different predetermined periods, said means comprising a plurality of differently adjusted compensating potentiometers, and means including a time switch for connecting a different one of said compensating potentiometers in parallel with said control potentiometer for each temperature to be maintained in said enclosure.

2,238,432

MOP

Isaac A. Myers, Monrovia, Calif., assignor, by direct and mesne assignments, to Beverly Holdings, Ltd., Los Angeles, Calif., a corporation of California

Application October 6, 1937, Serial No. 167,600
3 Claims. (Cl. 139—383)



1. As a new article of manufacture, a mop comprising a plurality of weft or filling members of uniform length disposed side by side, a plurality of warp members all interwoven with the central portions only of said filling members and a tying-in thread interwoven with said warp threads, with at least two of the weft threads disposed between those portions of the tying-in thread that are interwoven with said warp threads.

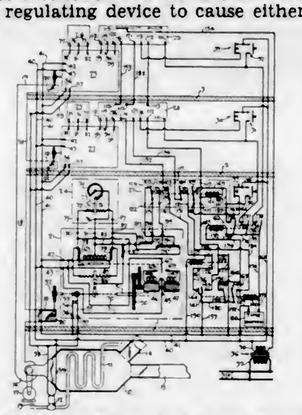
2,238,433

TEMPERATURE CONTROL SYSTEM

Clarence W. Nessell, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 21, 1936, Serial No. 116,886
13 Claims. (Cl. 236—46)

1. In a condition control system, a plurality of condition changing means, an electrically operated regulating device for each of said condition changing means, a single condition responsive control device for each of said regulating devices, circuit connections between each of said control devices and its associated regulating device and effective to permit said control device to cause said regulating device to maintain the controlled condition at a substantially constant value, means including a two position relay switch for each control device for altering said circuit connections between the control device and the regulating device to cause either of two



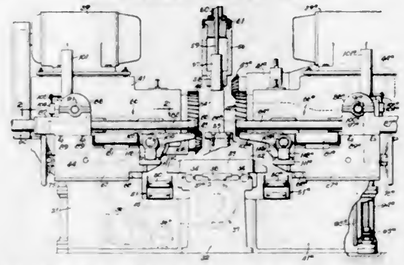
values of said condition to be maintained, a relay coil associated with each relay switch and effective when energized to move said relay switch from a first position towards which it is biased to a second position, master control means including a time switch for periodically energizing and deenergizing all of said relay coils, and means including switching means associated with each relay coil for energizing said relay coil upon momentary actuation thereof from a first position to a second position independently of said master control means and of the other relay coils.

2,238,434

BILLET SCALPING MACHINE

Alexander Oberhoffken, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application July 21, 1938, Serial No. 220,467
33 Claims. (Cl. 90—11)



29. A machine for scalping metal bars having, in combination, a reciprocable table for supporting a bar for endwise movement, a clamp for holding the bar on said table with opposite sides and diagonally opposite corners exposed, cutters operable during advance of said table to scalp said sides and corners simultaneously, power

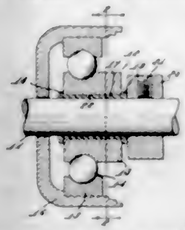
actuated mechanism alongside said table operable to turn the bar on its longitudinal axis through a quarter revolution, and power operated means disposed alongside said table for transferring the scalped bar sidewise off from the table onto said turning mechanism and then back onto said table whereby to present the other sides and corners of the bar to said cutters.

2,238,435

BEARING BUSHING

William R. Perry, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application August 17, 1938, Serial No. 225,301
1 Claim. (Cl. 287—52)



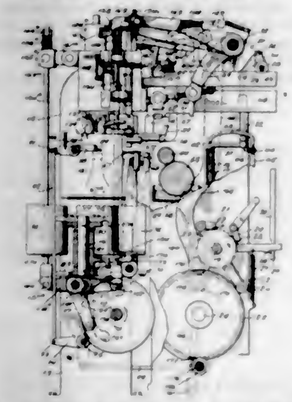
The combination with a shaft and an element to be supported thereon and provided with an apertured hub, of a bushing received within the hub aperture and projecting from both ends thereof, and means for holding the projecting ends of said bushing against movement inwardly of said hub aperture, said bushing being formed of readily deformable elastic material and having a normal internal diameter less than the external diameter of said shaft.

2,238,436

METHOD OF AND MACHINE FOR LABELING

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application December 28, 1938, Serial No. 248,049
40 Claims. (Cl. 216—55)



1. In a labeling machine, the combination of means for supporting articles in label receiving position, means for removing labels from a supply thereof and applying said labels to said articles, and means whereby said labels are moistened prior to the removal thereof from said supply.

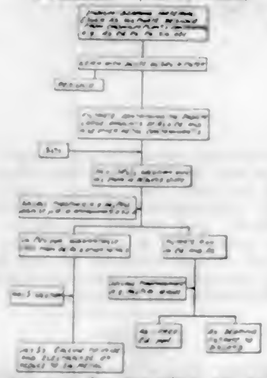
40. In a labeling machine, the combination of movable means for advancing articles over a predetermined path, means for removing labels from a supply thereof, means to apply an adhesive coating to said labels, means to support said labels in applying relation to said articles, means to moisten the side of said label opposite the adhesive coated side thereof prior to presenting said label in applying relation to said article and means to apply the label to said article.

2,238,437

PROCESS FOR RECOVERING INDIUM

Clarence Zischkau, Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application March 9, 1940, Serial No. 323,092
9 Claims. (Cl. 75—121)



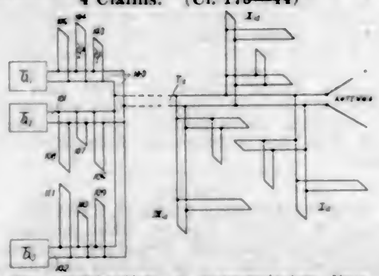
1. The process for treating an acid solution containing indium, cadmium and arsenic which comprises precipitating the indium as orthophosphate while retaining the cadmium and arsenic in solution, recovering indium from the orthophosphate precipitate, precipitating cadmium from the indium-depleted solution as pyrophosphate while retaining the arsenic in solution, and recovering cadmium from the pyrophosphate precipitate.

2,238,438

ELECTRICAL NETWORK

Andrew Alford, New York, N. Y., assignor to MacKay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware

Application March 22, 1935, Serial No. 12,451
4 Claims. (Cl. 178—44)



1. In combination, a transmission line, two sources of alternating current of different frequencies, connections between said sources and the line, a load connected to the end of the line, fixed impedance devices permanently bridged across the first connection between the first source and the line effectively short-circuiting the connection at the frequency of the second source, compensating for the short-circuiting action of the impedance devices across the second connection, and preventing the reflection of waves into the first source, and fixed impedance devices permanently bridged across the second connection between the second source and the line effectively short-circuiting the connection at the frequency of the first source, compensating for the presence of the impedance devices across the first connection, and preventing the reflection of waves into the second source.

2,238,439

FROTH FLOTATION PROCESS

William T. Bishop, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 25, 1939, Serial No. 286,321
8 Claims. (Cl. 209—166)

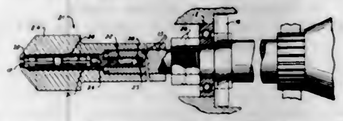
1. A process for the froth flotation of negatively charged minerals which comprises frothing an aqueous suspension of the minerals in the presence of a reaction product of chlorinated paraffin-hydrocarbons having between twenty-two and thirty carbon atoms and ammonia, said product having a positively charged surface active ion.

2,238,440

PORTABLE HAND TOOL ELECTRIC MOTOR DRIVEN GRINDER

Nathaniel Chayes, New Rochelle, N. Y.

Application May 8, 1940, Serial No. 333,907
7 Claims. (Cl. 32—23)



1. A motor driven dental handpiece including a motor, a motor shaft, said motor shaft having a hand grip extension at one end of the shaft and an externally threaded extension at the opposite end of the shaft, the threaded shaft extension having a central bore with a bearing disc at the bottom of said bore, a tool chuck mounted on the threaded shaft extension having a central pin to bear against the disc in the said bore of the motor shaft, said chuck being dependent upon the external thread of the motor shaft for adjustment and the said bearing disc for bearing thrust.

2,238,441

MIXED LAURIC-MYRISTIC ESTERS AND METHOD OF MAKING SAME

Ernest F. Drew, New York, N. Y.

No Drawing. Application August 1, 1936, Serial No. 93,879
8 Claims. (Cl. 260—411)

5. A method of forming mixed esters of a plurality of fatty acids which consists essentially in providing a natural liquid mixture of the glyceride esters of fatty acids as follows: caproic, caprylic, capric, lauric and myristic, in which glycerine molecules are combined with two or more fatty acids including the high and low carbon atom fatty acids in the above range, hydrolyzing the mixture to free substantially all the fatty acids present, removing from the mixture substantially all of the caproic, capric and caprylic acids, and re-esterifying the remainder of the fatty acids with glycerine, whereby the resultant esters have higher and sharper softening points than the starting material, and the higher fatty acids are in the same ratio as in the starting material.

6. As an article of manufacture, the neutral mixed glyceride esters of fatty acids consisting essentially of lauric and myristic acids with minor amounts of palmitic, oleic and linoleic acids, having a sharp softening point approximating body temperature, having an iodine number of about 13 and a saponification number of about 233, being harder than coconut oil and showing less tendency to become rancid.

2,238,442

MIXED CAPRIC-CAPRYLIC ESTERS AND METHOD OF MAKING SAME

Ernest F. Drew, New York, N. Y.

No Drawing. Application May 25, 1939, Serial No. 275,636
14 Claims. (Cl. 260—411)

1. As an article of manufacture, the neutral mixed glyceride esters of fatty acids consisting essentially of caprylic, capric and lauric acids, being a light straw colored liquid, having substantially no odor and a pleasant flavor, and being stable.

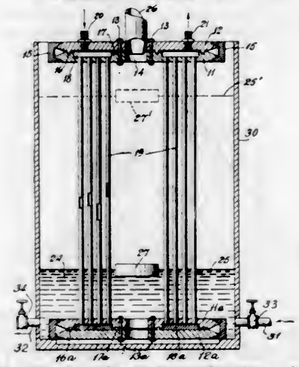
12. A composition of matter comprising the mixed glyceride esters of fatty acids having principally from 6 to 10 carbon atoms.

2,238,443

APPARATUS FOR POLYMERIZATION

Charles M. Fields, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application September 6, 1939, Serial No. 293,533
6 Claims. (Cl. 18—26)



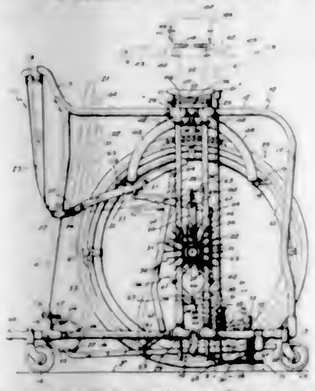
6. Apparatus for the polymerization of organic compounds in elongated shapes, comprising an annular header plate provided with an annular groove in the upper surface thereof and a plurality of holes in the grooved portion thereof, an annular cover plate positioned on the upper surface of said annular header plate thereby forming an annular chamber, said cover plate being provided with an inlet, the lower surface of said annular header plate being tapered adjacent the periphery thereof upwardly and the upper surface of said annular cover plate being tapered adjacent the periphery thereof downwardly, a clamp-

ing ring of C-shape cross-section encircling said plates and bearing against said tapered surfaces thereof to hold said plates tightly together, a plurality of elongated tubes vertically disposed with their upper ends mounted in said holes in said header plate, means closing the lower ends of said tubes, a bath of heated liquid, means for progressively immersing said tubes in said bath, and means for directing a current of gas in a horizontal zone immediately above the surface of said bath.

2,238,444
NITRATION OF CELLULOSE
William Harry F. Fravel, Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 20, 1939, Serial No. 280,081
4 Claims. (Cl. 260—220)

1. In the method for the preparation of methanol-soluble cellulose nitrate which comprises nitrating cellulose with a spent acid recovered from a previous nitration fortified to contain about 20–30% nitric acid, 16–18% water and the remainder sulfuric acid and nitrosyl sulfuric acid, conducting the nitration step with said acid freed of suspended cellulose nitrate having a nitrogen content in excess of 12%, whereby there is obtained a methanol-soluble cellulose nitrate of improved filterability, suitable for film preparation, and having a nitrogen content between 11.7% and 12%.

2,238,445
WHEELED CHAIR
Teofil Kilstrom, Bridgeport, Conn.
Application February 20, 1939, Serial No. 257,413
8 Claims. (Cl. 155—30)



1. In a wheeled chair, a frame comprising spaced side members and a connecting back, front and rear ground engaging rollers on said frame, a seat between said side members and hinged for swinging movement from a raised position adjacent the back to a horizontal position supporting a person, a head mounted on each of said side members for vertical sliding movement thereon, a large diameter wheel on each of said heads, spring means connected with said heads and normally tending to maintain them in position with said wheels raised off the floor whereby said chair is supported on said rollers only, levers pivoted on said frame members and connected with said heads, and said levers projecting into the path of movement of the seat as it is moved to horizontal position whereby as a person occupies said seat his weight acting through said levers moves said heads against the tendency of said springs to cause said wheels to engage the floor and thereby raise certain of said rollers off the floor.

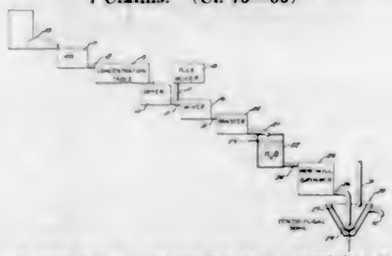
2,238,446
OPACIFICATION OF RESINS
Glen M. Kuettel, Bloomfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 6, 1939, Serial No. 293,567
5 Claims. (Cl. 18—55)

3. Process of producing a molded article characterized by opacification, from a plastic comprising an ethenoid resin selected from the group consisting of polymethyl methacrylate and polystyrene, which comprises moistening said plastic in comminuted form with water, and then molding the moistened plastic under heat and pressure.

2,238,447
PREPARATION OF POLYVINYL KETALS
Sidney C. Overbaugh, Belleville, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 16, 1938, Serial No. 230,199
2 Claims. (Cl. 260—66)

2. A polyvinyl ketal consisting of polyvinyl alcohol having at least 40% of the available hydroxyl groups united with 3,5-dimethyl cyclohexanone.

2,238,448
METHOD AND MEANS OF RECOVERING METALLIFEROUS VALUES
Mervin A. Packard, Bellflower, and Henry D. Henricksen, Yreka, Calif.
Application July 15, 1939, Serial No. 284,778
7 Claims. (Cl. 75—83)



1. A method of recovering gold particles from a concentrate including black sand which consists in reducing the concentrate to a dry finely powdered state, thereafter mixing a dry powdered flux therewith, said flux comprising aluminum-oxide and sodium-chloride, then roasting the mixture of the concentrate and the flux, thereafter introducing the hot roasted material to a bath of cold water, then separating the metal particles and the associated materials by centrifugal action.

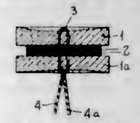
2,238,449
SOAP LATHER DISPENSER
Martin J. Peters, New York, N. Y., assignor to Moore Brothers Company, New York, N. Y., a corporation of New York
Application December 12, 1938, Serial No. 245,181
3 Claims. (Cl. 299—83)

3. A device for dispensing quantities of liquid soap, comprising a soap-receiving member having its interior separated by a movable piston, a valve in said piston for effecting a controlled passage of soap from one side of the piston to the other, a plunger having a chamber positioned in one end of said member, springs on opposite sides of said piston, one of said springs also engaging said plunger and a third spring of less resistance than one of said springs encircling the valve opposed to the spring engaging the plunger during part of the movement to the piston, a split collar on



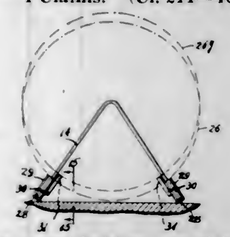
said valve, said third spring tending to close the valve with respect to the piston and engaging the split collar to retain the same against displacement, and all said springs being related for enabling varying pressures to be applied to the piston and successively move the piston with the valve closed and move the piston with the valve open, and said chamber in said plunger having a plurality of strainers for agitating the soap into a lather prior to discharge therefrom when the said valve is in closed position.

2,238,450
SANITARY APPLIANCE AND METHOD OF MAKING SAME
Miriam E. Rabell, New York, N. Y.
Application March 16, 1937, Serial No. 131,163
9 Claims. (Cl. 128—285)



8. A menstrual tampon comprising a disc-like absorbent core member, and absorbent disc-like face members extending laterally beyond and completely enclosing said core member, said core member being flexible but having enough stiffness to cause said core member to have a normal predetermined shape, said core member being stiffer and being more absorbent than said face members.

2,238,451
PHONOGRAPH DISK RECORD HOLDER
Fred Roth, Brooklyn, N. Y.
Application July 17, 1940, Serial No. 345,953
4 Claims. (Cl. 211—40)



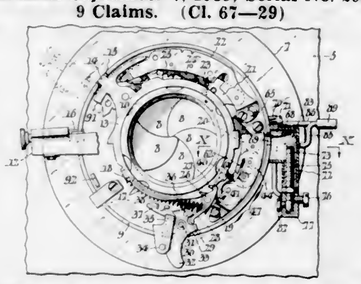
1. A disk record holder, comprising a relatively deep frame for resting on a support in a horizontal position and comprising a pair of spaced side strips, and a plurality of parallel wire elements transversely of said frame and having end portions mounted on said side strips and projecting upwards, whereby a disk record may be placed between an adjacent pair of said wire elements and have its edges rest on the sides of said frame with its bottom extending into said frame, each of said pair of spaced side strips comprising a strip of material formed with grooves, the ends of said wire elements engaging and rigidly secured in said grooves and material pasted over the faces of said side strips for closing the open sides of the grooves, said material continuing at the lower edge thereof to surround and cover the bottom and outer side of the said grooved strip.

2,238,452
BRAKE MECHANISM
James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application October 23, 1937, Serial No. 170,538
4 Claims. (Cl. 188—153)



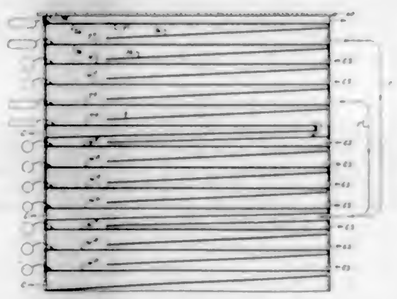
1. In a railway vehicle having a truck at each end thereof and a brake valve, air reservoirs and air cylinder and also having means for manual operation of said vehicle brakes, a master fluid containing cylinder operatively joining said air cylinder, fluid containing cylinders on said vehicle trucks and operatively connected to the brake shoes thereof, fluid containing means joining said master cylinder and said truck cylinders, and means comprising a spring joining said manual operating means and the piston in said master cylinder for actuating said latter cylinder.

2,238,453
FLASH BULB FIRING MECHANISM FOR CAMERAS
Howard Small, Philadelphia, Pa.
Application September 7, 1939, Serial No. 293,755
9 Claims. (Cl. 67—29)



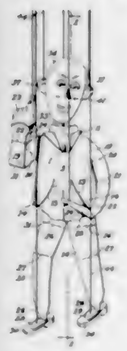
1. The combination with a camera lens shutter mechanism having a casing, shutter timing means, a priming means, a master control element within the casing adapted to be set by the priming means, and means for automatically moving the control element when released; of flash bulb firing mechanism comprising circuit closing means in circuit with the bulb and arranged to be actuated by the master control element, and means also actuated by the master control element whereby the movement of the latter is retarded to cause a delay interval between the instant of closing the circuit closing means and the instant of shutter opening sufficient for burning of the filament and igniting the illuminating material of the bulb.

2,238,454
METHOD FOR SIZING CORN
Oliver W. Steele, St. Louis, Mo., and Lester J. Pfister, El Paso, Ill.
Application April 3, 1939, Serial No. 265,656
1 Claim. (Cl. 209—235)



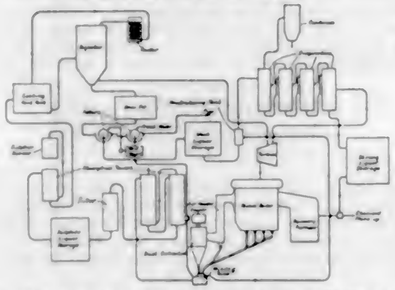
The method of sizing corn into a plurality of closely dimensioned sizes which comprises successively screening the corn and by the separate successive screenings closely dimensionally classifying the kernels as to thickness, subjecting the corn so classified as to thickness to further sequential screenings to classify it as to width and taking off the oversize from the various screens of the last-mentioned series of screenings as doubly-dimensioned commercial sizes, said successive screening steps each comprising passing the kernels of corn substantially horizontally while subjecting said kernels to rapid vertical vibration projecting them upwardly from the horizontal path and causing them to fall vertically on end, thereby to effect accurate screening as to width and thickness and to prevent clogging of the screens.

2,238,455
MARIONETTE
Walter Steinhilber, New York, N. Y.
Application October 4, 1939, Serial No. 297,787
15 Claims. (Cl. 46—126)



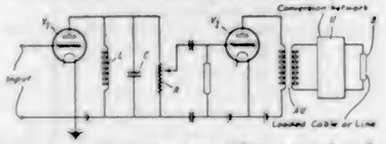
10. A marionette having a trunk of rolled cardboard, legs of flat cardboard, arms of flat cardboard and a head of rolled cardboard, the legs and arms being transversely folded to form hinged joints, and the head being articulatively connected to the trunk.

2,238,456
PURIFICATION OF MAGNESIUM BASE LIQUORS
George H. Tomlinson, Westmount, Quebec, Canada
Application July 26, 1938, Serial No. 221,304
5 Claims. (Cl. 23—131)



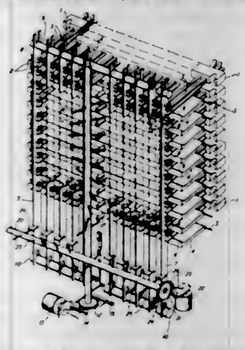
1. The method of treating magnesia base waste sulphite pulp liquor containing calcium impurities and combustible organic matter from a cyclic process for the manufacture of pulp by the digestion of cellulosic fibrous material which comprises burning the combustible organic matter of the liquor to obtain an ash consisting mainly of magnesium oxide together with calcium impurities, mixing the ash with water to produce an alkaline aqueous suspension consisting essentially of magnesium and calcium oxides, hydroxides and carbonates, subjecting the suspension to the action of sulphur dioxide, regulating the ratio of the ash and sulphur dioxide to control the pH value of the resultant mixture to a pH range of 4.0–7.0 in which the sulphited magnesium is highly soluble and the sulphited calcium is substantially insoluble, and separating the insoluble sulphited calcium.

2,238,457
AMPLIFIER CIRCUIT ORGANIZATION WITH MEANS TO COMPENSATE NONLINEAR DISTORTIONS
Walter von Werther, Berlin, and Gerhard Kalckhoff, Schonwalde, near Velten, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application November 20, 1936, Serial No. 111,794
In Germany November 18, 1935
3 Claims. (Cl. 179—171)



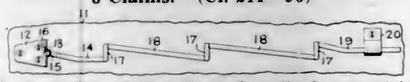
1. In a multi-stage amplifier, a pair of cascaded electron discharge devices of the type which introduce distortion in operation, an impedance load output circuit for one of said tubes including reactance which causes a phase angle displacement of the output energy, an impedance load output circuit for the other of said tubes, said last named output circuit being diminished so that it causes a phase angle displacement of the energy fed therethrough which is substantially equal to the phase angle displacement caused by said first named output circuit, a resistor element connected across said second named output circuit, an input circuit for said first device, and adjustable means for coupling said input circuit across any desired portion of said resistor to thereby provide for adjusting the relative amount of distortion produced in said devices.

2,238,458
SWITCHING MECHANISM
Lee R. Waller, Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 5, 1939, Serial No. 298,028
12 Claims. (Cl. 179—27.54)



1. In a cross-bar switch, horizontal rows of contacts, vertical rows of contacts, a horizontal cross-bar, a vertical cross-bar, and means controlled by the rotation of said bars for establishing a connection between the contacts at the cross-point of any horizontal row of contacts and any vertical row of contacts.

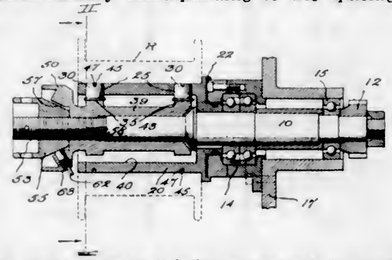
2,238,459
ARTICLE HANGER
Mervin A. Wilhelm and Walter E. Shorter, York, Pa.
Application May 1, 1939, Serial No. 270,998
3 Claims. (Cl. 211—96)



1. A device of the class described comprising a hanger formed from a single piece of wire bent at one end to form an inverted U-shaped portion, the free end of which constitutes a downwardly directed pintle for mounting the device in a supporting bracket, the intermediate portion of said piece of wire bent at intervals to form a plurality of depending transverse U-shaped loops, each for supporting an article, and a member having jaws for receiving the outer free end portion of the device for retaining the same from lateral swinging movements.

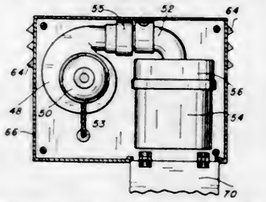
2,238,460
REEL ARBOR
Carl O. Bruestle, Rahway, N. J., assignor to Elevator Supplies Company, Incorporated, Rahway, N. J., a corporation of New Jersey
Application September 30, 1939, Serial No. 297,297
3 Claims. (Cl. 242—72)

1. A reel arbor for high speed winding machines comprising a cylindrical portion on which the central bore of a reel or spool fits, openings in said cylindrical portion of the arbor in at least three places symmetrically spaced radially around the axis of the arbor, said openings being positioned intermediate the sides of a reel when in position on said arbor, reel contactors in said openings arranged to be projected beyond the surface of said cylindrical portion and against a reel within the bore of the reel, and means for projecting said contactors comprising a sleeve within said cylindrical portion having thereon a plurality of cams, said cams being symmetrically spaced radially corresponding to the spacing of



said contactors and being arranged to contact with said reel contactors to project them outwardly, a stud-shaft having an inner shoulder and a threaded end extending through said sleeve, and a nut on said stud-shaft arranged to be tightened against said sleeve to press the latter against said shoulder to hold said sleeve in the position thereof in which the cams thereon press the contactors against the reel.

2,238,461
MEANS FOR PURIFYING TOILET GASES
James W. Carman, Seattle, Wash.
Application November 9, 1939, Serial No. 303,691
2 Claims. (Cl. 4—213)

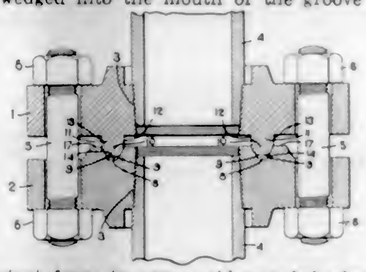


1. In a ventilating system for toilet-bowls, the combination with a ported-nozzle adapted to receive fumes from a toilet bowl, a tubular head integral with said nozzle and having opposed threaded ends, and a closure plug threaded in one and having an air-damper, of a fan-device having its intake end threaded in the other end of said head, a discharge pipe for the fan-device, a filter-bowl containing a sterilizing solution in which the free end of said discharge pipe terminates, and a porous cover for said filter bowl located in position to be saturated with the turbulent solution in the bowl.

2,238,462
PIPE JOINT
Daniel H. Crepeau, East Braintree, Mass.
Application May 1, 1940, Serial No. 332,720
1 Claim. (Cl. 285—1)

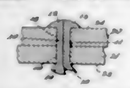
A pipe joint comprising two metal coupling members, one of which has an annular groove initially formed with flat side walls which converge toward each other from the mouth to the bottom of the groove and form obtuse angles with said bottom and the other of which is provided with an annular solid rib having parallel

cylindrical side walls and a rounded edge presenting a continuous unbroken curved surface extending from one side wall to the other, the parallel cylindrical side walls being spaced apart a distance equal to the width of the groove at its mouth, and means to clamp the two coupling members together with the rounded edge of the rib wedged into the mouth of the groove with



sufficient force to cause said rounded edge and each wall of the groove to conform to each other throughout an annular zone extending from the mouth of the groove well toward the bottom thereof by reason of a slight flowing action of the metal of both the rib and that forming the wall of the groove, whereby said rib has a seating contact with each wall of the groove throughout said zone.

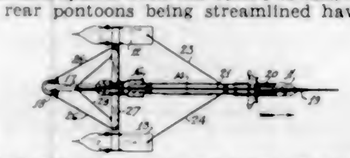
2,238,463
FASTENING DEVICE, PARTICULARLY RIVETS
William Dubilier, New Rochelle, N. Y.
Application December 24, 1938, Serial No. 247,558
9 Claims. (Cl. 85—38)



9. A rivet for inseparably connecting two or more pieces of the type of sheets or plates accessible from one side only, comprising a member having a head and a substantially cylindrical shank of a length substantially exceeding the total thickness of said pieces and closely fitting into their registering holes, said member divided longitudinally into a number, two as a minimum, of portions each comprising a shank portion bendable adjacent to its free end, a first of said shank portions being enlarged at its free end and wedge-shaped on its inside, a second of said shank portions being considerably longer than said first shank portion, said portions having a first relative position for entering the shank of the rivet into the registering holes from the accessible side, and a second relative position in which the rivet projected through the holes is locked and connects said pieces inseparably, said shank portions in their first relative position complementing each other substantially to a cylindrical shank, the bendable ends of said shank portions being wedged outwardly to form a locking head in said second relative position upon driving in said complementary portions.

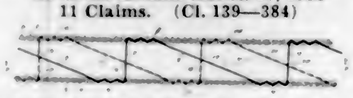
2,238,464
CONVERTIBLE SAILING VESSEL
William G. Fletcher, Bogota, N. J.
Application January 23, 1939, Serial No. 252,369
5 Claims. (Cl. 114—39)

1. A sailing vessel having a frame with a mast and a sail thereon, a streamlined pontoon mounted at the front in the centre of said frame and a pair of rear pontoons mounted on said frame and spaced from the centre of said frame, said rear pontoons being streamlined having a



pointed end at the rear and being substantially wider than they are deep and having a wide, horizontal end towards the direction of movement, said wide end being inclined upwardly to form a water plane.

2,238,465
LADDER WEB
George Frederick French, Manchester, England
Application May 10, 1939, Serial No. 272,763
In Great Britain March 17, 1938
11 Claims. (Cl. 139—384)



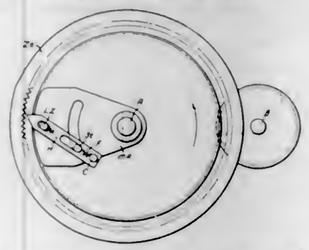
1. In ladder web including two outer bands and a series of cross-straps therebetween at spaced intervals, the improvement which comprises at least two sets of cross-strap warp threads, each set forming successively a binding-in on one outer band, a cross-strap, a binding-in on the opposite outer band and a free warp cross-over, each set passing through the other at intervals, the distance between adjacent cross-straps being less than the length of said cross-straps.

2,238,466
SHIRT
Florinda Gardner, Los Angeles, Calif.
Application April 1, 1939, Serial No. 265,378
2 Claims. (Cl. 2—54)



1. In a shirt of the character described, a body portion having an armhole therein, a sleeve having one end intersecting and secured to the body portion around said armhole by means of an interlocking seam, said sleeve and body portions each having a longitudinal seam intersecting the first mentioned seam, a pair of strips of absorbent fabric, one of said strips lining the body portion only at and adjacent the lower edge of the armhole, the other of said strips lining the sleeve only at and adjacent the lower edge of the armhole, and a pair of strips of water-proof material substantially coextensive with and underlying said respective absorbent strips, said respective pairs of strips being secured together in end to end engagement and interlocked with each other and with the said intersecting portions of the body and sleeve at the lower edge of the armhole by means of said interlocking seam and stitched to the respective sleeve and body portions along said respective longitudinal seams.

2,238,467
REMOTE CONTROL DEVICE
Fritz Hartwig, Berlin-Oberschoneweide, and Otto Oehling, Berlin-Friedenau, Germany, assignors to General Electric Company, a corporation of New York
Application January 4, 1939, Serial No. 249,220
In Germany January 10, 1938
2 Claims. (Cl. 74—10)



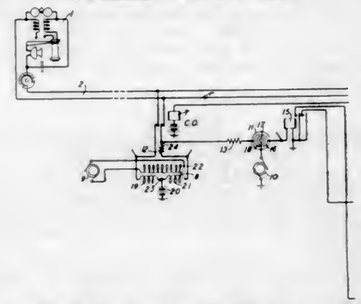
1. In a device of the kind described, a reversible motor, a rotatable shaft, a gear wheel mounted on but rotatable with respect to said shaft, means for providing a driving connection between the motor and said gear wheel, an arm fixedly mounted on said shaft adjacent said gear wheel, said arm having formed thereon an arcuate slot, a pin fixedly mounted on the face of the gear wheel adjacent the arm, said pin protruding through said slot, a pin mounted on a portion of said arm which is on the side of the slot away from the shaft, a lever device pivoted on said last named pin and having a slot therein cooperating with the protruding portion of the first named pin, means for urging said lever device outwardly with respect to said arm, and means for holding the outer end of said lever device in a fixed position for a part of its range of movement about its pivot point whereby the arm may be adjusted thereby for that part of its movement.

2,238,468
MAILING FOLDER
Harold J. Hayden, St. Albans, N. Y., assignor to Empire Corrugated Container Corp., Brooklyn, N. Y.
Application December 16, 1938, Serial No. 246,087
6 Claims. (Cl. 229—30)



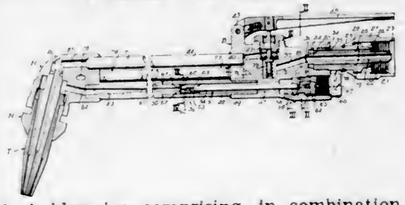
1. A mailing folder comprising an envelope body having a front wall, and inner and outer pairs of opposed inwardly foldable flaps constituting a rear wall, interfitting means between the inner pair of flaps to brace the same against lateral strain and to enable said inner flaps to assume a common plane throughout their entire area, the outer flaps overlapping each other and said inner flaps, and means securing said outer flaps in lapped relation to one of the pair of inner flaps.

2,238,469
SIGNALING SYSTEM
William H. T. Holden, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 9, 1939, Serial No. 289,147
8 Claims. (Cl. 179—18)



1. In a signaling system, a line comprising a pair of conductors, a signaling device, a three-element cold-cathode tube, means for normally applying voltage on the control electrode for ionizing said tube at intervals and for applying a discharge voltage on the anode at the intervals when the tube is not ionized so that this tube will not normally discharge across the anode and cathode, means for changing the reactance of said line in response to the closing of a connection between said line conductors, and means responsive to said change in reactance for shifting the ionizing period to occur during the intervals when discharge voltage is applied so that the tube will discharge during said period, and means for actuating said signaling device when a discharge takes place between said anode and cathode.

2,238,470
BLOWPIPE
Wilgot J. Jacobsson, Scotch Plains, and Samuel R. Oldham, Elizabeth, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia
Application October 20, 1937, Serial No. 169,930
3 Claims. (Cl. 158—27.4)



1. A blowpipe comprising, in combination, a body member; a combustible gas mixture conduit; means providing a cavity terminating at its rear end in said body member, and terminating at its forward end at the rear end of said mixture conduit; means at the forward end of said blowpipe for discharging a combustible gas mixture; a mixer nozzle in said cavity, the external wall of said mixer nozzle being spaced from the internal wall of said cavity and from the rear end of said mixture conduit to provide along the outside of said mixer nozzle a passage of sufficient size to permit the passage of backfires; means providing a generally U-shaped fuel-gas passage having an appreciable volume disposed between said body

member and the forward end of said blowpipe, said fuel-gas passage having a return bend at the front thereof and having two terminals at the rear thereof in said body member, said fuel-gas passage being adapted to contain a large volume of fuel gas for receiving and extinguishing backfires, thereby preventing flashbacks; means providing a passage communicating between one of said terminals and the passage along the outside of said mixer nozzle; means for supplying fuel gas to the other of said terminals; and means for supplying combustion-supporting gas to said mixer nozzle.

2,238,471

PRODUCTION OF DIHYDRIC ALCOHOLS OF THE ACETYLENE SERIES

Ernst Keyssner and Edwin Elchler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 4, 1939, Serial No. 297,820. In Germany October 28, 1938

6 Claims. (Cl. 260—635)

1. A process for the production of dihydric alcohols of the acetylene series which consists in causing a carbonyl compound selected from the class of aldehydes and ketones to react in the liquid phase with a monohydric alcohol of the acetylene series which contain a hydrogen atom attached to an acetylene carbon atom in the presence of an acetylide of a metal selected from the class consisting of copper, silver, gold and mercury.

2,238,472

LIGHT-DIFFUSING BODY AND METHOD OF PRODUCING SAME

Walter E. Koerner, East Orange, Alfred F. Bahlke, Scotch Plains, and Stuart F. Marvin, Ridgewood, N. J., assignors to Utility Electric Corporation, East Newark, N. J., a corporation of New Jersey

No Drawing. Application August 9, 1938, Serial No. 223,854

5 Claims. (Cl. 176—16)

1. The method of producing a light-diffusing coating on the interior surface of a hollow, vitreous body which comprises preheating and drying said surface at an oven temperature of 200° C., depositing thereon a coating material consisting of a pigment incorporated in a solution of sodium silicate in distilled water, said solution having a specific gravity of 1.014, drying said applied coating at room temperature for a period of at least 48 hours, baking and further drying said coated body at an oven temperature of approximately 350° C., and finally hermetically sealing and exhausting said body at a temperature of 400° to 450° C.

2,238,473

ASH TRAY

Nicholas R. Mainiere, New York, N. Y.

Application November 16, 1938, Serial No. 240,604

10 Claims. (Cl. 131—236)



1. An ash tray including a well having an opening at the top, a buoyant member in said well having an outer surface adapted to closely fit upon the inner wall of said well around said opening but elsewhere spaced from said wall, a depressed portion in said buoyant member registering with said well opening, and a tubular extension on said depressed portion of the buoyant member through said opening having a perforation through its wall.

2,238,474

PROCESS FOR MAKING OLEFIN OXIDES

Raymond W. McNamee, South Charleston, and Charles M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application July 12, 1938, Serial No. 218,722

11 Claims. (Cl. 260—348)

1. In the process of making olefin oxides by the direct chemical combination of oxygen with olefins at temperatures between about 150° and about 400° C., the use of an active surface catalyst material essentially composed of silver together with a lesser quantity of at least one of the group consisting of the peroxides, oxides and hydroxides of barium, strontium and lithium.

2,238,475

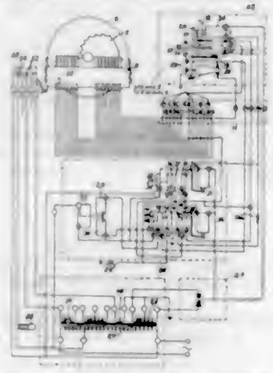
TUNING DEVICE FOR RADIO RECEIVERS

Frank Allen Mitchell, London, England, assignor to Electrical & Musical Industries Limited, Middlesex, England, a company of Great Britain

Application September 1, 1938, Serial No. 227,881

In Great Britain September 1, 1937

5 Claims. (Cl. 172—239)



1. In a tuning control for radio receiving apparatus provided with an adjustable tuning element, a selector member having a surface provided with conducting and insulating zones, a plurality of electrical contact members in sliding contact with the surface of the selector member, a reversible motor for driving both said tuning element and the selector member, a motor circuit for connecting the motor to a source of energizing current including said contact members and a plurality of operable relay devices for controlling the operation of said electric motor so as to adjust said selector member and said tuning element to predetermined positions, said motor circuit being arranged so that when the motor is energized through a selected one of the contact members which is in engagement with an insulating zone of said selector member, the electric motor is rotated in one direction and when a selected one of said contact members is in engagement with a conducting zone of the selector member the electric motor is caused to rotate in the reverse direction.

2,238,476

MEANS FOR RELEASING AND DIFFUSING FRAGRANT ODORS TO THE ATMOSPHERE

Hugh L. Monteith, Stirling, N. J.

Application January 3, 1940, Serial No. 312,234

2 Claims. (Cl. 299—24)



1. The combination of an absorbent material, an essential oil scented to a desired odor for impregnating said material, a wax-like coating substantially impervious to the passage of odors at normal temperatures applied to the absorbent material to retain the odors, but pervious to the application of heat thereto and becoming again impervious upon the discontinuance of heat.

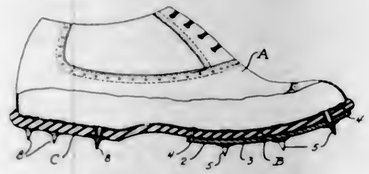
2,238,477

GOLF RUBBER OVERSHOE

George E. Murber, Fairfax, Calif.

Application January 6, 1940, Serial No. 312,698

1 Claim. (Cl. 36—7.6)



A rubber shoe comprising a thin upper portion with integral sole and heel portions, an insole, an outer sole of leather with a layer of waterproof cement between the outer leather sole and the rubber sole to unite the same together and prevent leakage of moisture therebetwen, a row of nails arranged closely together around the periphery of the leather sole and inside the perimeter of the rubber sole and having their inner ends clinched against the inner face of the insole whereby to further secure the leather sole to the rubber sole, and hollow shanked spikes extending through the leather sole, the rubber sole and the insole and clinched over the insole, whereby the shanks of the spikes are given a substantial foundation against side movement and bending of the spikes.

2,238,478

LUBRICANT AND PROCESS FOR MAKING THE SAME

Emil Ott, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 4, 1939, Serial No. 259,799

23 Claims. (Cl. 252—42)

1. An aqueous emulsion coolant for use in metal working that includes an alkylolamine ester of a higher fatty acid and a dispersing agent.

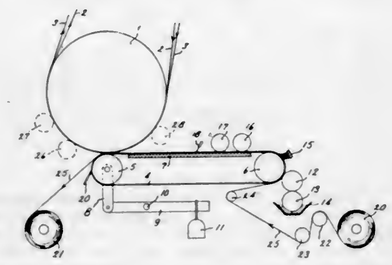
2,238,479

APPARATUS FOR PRINTING ORNAMENTAL DESIGNS ON CLOTH

George E. Senseney, Ipswich, Mass.

Application April 11, 1939, Serial No. 267,244

2 Claims. (Cl. 41—1)



2. An apparatus for printing designs upon textile fabric comprising in combination a supporting roll for the fabric to be printed upon, a flat table mounted adjacent said fabric supporting roll, a pressure roll adjacent said table and said fabric suporting roll, a web of paper traveling over said table and pressure roll, a let-off roll for providing a continuously fresh supply of said paper, and a wind-up roll for said paper after it has traveled over said table and support, means to apply a film of color to the surface of said paper, means to form a design in said color film on said paper by modifying the surface of said film while the paper is traveling over the table, and means to cause said pressure roll to press said paper in running contact against the fabric on its supporting roll whereby the color design will be offset from said paper onto said fabric.

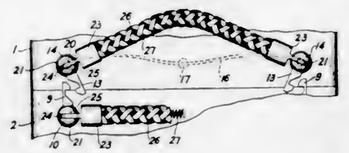
2,238,480

HANDLE LATCH MECHANISM

Philip W. Tierney, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

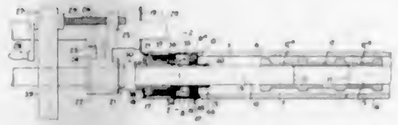
Application January 4, 1940, Serial No. 312,442

4 Claims. (Cl. 292—28)



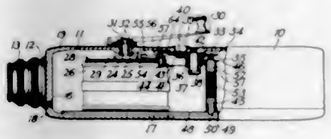
1. A latch comprising two pairs of posts, at least one pair being pivotally mounted, latch elements fixedly carried by and projecting from said posts, a single elongated spring operably connected to each of the pair of pivotally mounted posts, and tending to hold said posts in an operative position in which said latch elements are in latching engagement, a flexible carrying handle attached to said movable posts and having a normal carrying position in which the latch elements remain in latching engagement, said carrying handle being movable from the normal carrying position to a second position adapted to oscillate said pivotally mounted posts against the action of their springs to release said latch elements.

2,238,481
SLITTING MACHINE CONSTRUCTION
Henry E. Van Derhoef, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 21, 1940, Serial No. 320,155
13 Claims. (Cl. 164—60)



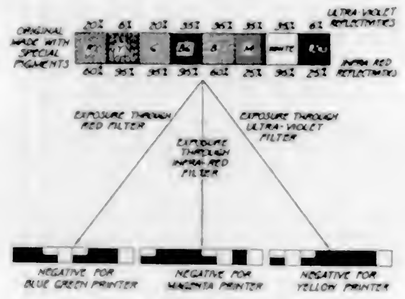
1. A roller for cutting machines including, in combination, a shaft, an elongated roller comprising semi-cylindrical members having accurately formed edges fitting together to form a complete cylinder, said semi-cylindrical members having ends reduced in diameter, bearings carried by the shaft for supporting at least the ends of the cylindrical members, cylindrical sleeves having an inside diameter substantially equal to the outside diameter of the assembled semi-cylindrical members and adapted to telescope the ends of reduced diameter thereof to hold the parts in assembled relation on the bearings, and means for holding the sleeves in an operative position for retaining the semi-cylindrical members in an assembled relation.

2,238,482
FOOTAGE INDICATOR FOR FILM HANDLING APPARATUS
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 6, 1939, Serial No. 272,253
5 Claims. (Cl. 88—16)



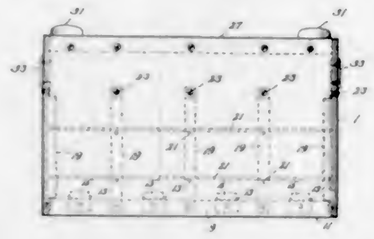
1. In a film handling apparatus, the combination with a casing, a cover for enclosing said casing and removable therefrom, an operating member carrying an abutment, and an indicating means including a graduated member which is biased to return normally to a predetermined position, of an advancing means normally spaced from said graduated member and intermittently moved by said abutment into engagement with said graduated member for step by step advancement thereof, and a holding means between said cover and said indicating means, including a friction member movably mounted adjacent said graduated member, and a spring member located to be compressed by closing of said cover and for directly pressing said friction member against said graduated member to prevent said normal return thereof but arranged to be released upon removal of said cover to reduce the pressure of said friction member against said graduated member and to permit the normal return of said graduated member to said predetermined position.

2,238,483
PHOTOMECHANICAL COLOR REPRODUCTION
John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Original application April 22, 1937, Serial No. 138,349, now Patent No. 2,161,399, dated June 6, 1939. Divided and this application November 19, 1938, Serial No. 241,412
10 Claims. (Cl. 134—39)



1. A palette for preparing camera copy in a photo-mechanical process comprising a series of coloring materials in which certain of the materials have incorporated in them predetermined amounts of a material having known ultra-violet reflectivity to give them equal ultra-violet reflectivity.

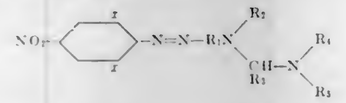
2,238,484
CRATE
John A. Christensen, Arlington, Mass.
Application September 28, 1938, Serial No. 232,046
6 Claims. (Cl. 220—21)



1. A crate having in combination a shell of continuous material bent around and overlapped at its ends to form a tube, a metal band fitting closely within one end of the tube, said metal band having connected therewith members extending lengthwise of the tube close to the interior walls of the tube in spaced parallel relation with respect to such walls, and members extending across the interior of the shell passing freely through holes in the first-named members and butting against the interior walls of the shell.

2,238,485
AZO COMPOUND AND MATERIAL COLORED THEREWITH
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 4, 1939, Serial No. 302,924
9 Claims. (Cl. 260—205)

1. The non-sulfonated nuclear azo compounds having the general formula:



wherein each x represents a member selected from the group consisting of hydrogen, a halogen, and a nitro group, R_1 represents a benzene nucleus, R_2 represents a member selected from the group consisting of hydrogen, an alkyl group, a hydroxyalkyl group, a sulfoalkyl group, a phenyl group, and a phenylalkyl group, R_3 represents a member selected from the group consisting of hydrogen, an alkyl group, and a phenyl group, R_4 represents a member selected from the group consisting of hydrogen, an alkyl group, and an alkoxyalkyl group, and R_5 represents a member selected from the group consisting of an alkyl group, a hydroxyalkyl group, an alkoxyalkyl group, a sulfoalkyl group, and a phenyl group.

2,238,486
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH
Joseph B. Dickey and John R. Byers, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 13, 1939, Serial No. 304,138
12 Claims. (Cl. 260—205)

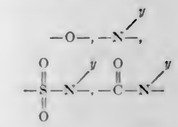
1. The non-sulfonated nuclear azo compounds having the general formula:

$$R_1—N=N—R_2$$

wherein R_1 represents an aryl nucleus of the benzene series, R_2 represents a member selected from the group consisting of an aryl nucleus of the benzene series, and an aryl nucleus of the naphthalene series, the said compounds containing in their molecule at least one amino group in position para to the azo group, and at least one group of the general formula:

$$—R—O—CO—NH_2$$

wherein R represents an aliphatic group joined to the molecule through a member selected from the group consisting of

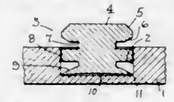


and a carbon atom of R, and wherein y represents a member selected from the group consisting of hydrogen, an alkyl group, a hydroxyalkyl group, and the group $—R—O—CO—NH_2$.

2,238,487
AZINE COMPOUNDS AND MATERIALS COLORED THEREWITH
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 24, 1940, Serial No. 347,219
6 Claims. (Cl. 260—243)

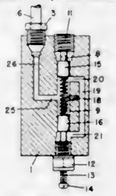
1. The azine compounds selected from the group consisting of a phenothiazine nucleus, a phenoxazine nucleus, a phenazine nucleus, and an α, γ-dibenzophenazine nucleus, each of said nuclei containing as nuclear carbon atom substituents at least one alkylamino group and at least one acid ester of phosphorus group joined to the omega carbon atom of a non-cyclic organic sidechain.

2,238,488
PANEL AND SUPPORTING MEANS THEREFOR
Maynard L. Foskett, Cleveland, Ohio, assignor to The E. F. Hauserman Company, Cleveland, Ohio, a corporation of Ohio
Application July 2, 1938, Serial No. 217,297
8 Claims. (Cl. 72—118)



1. A panel securing button formed from a single piece of metal and having a studding-engaging head and a transversely concave base deformably engageable in a panel.

2,238,489
MEASURING VALVE
George T. Graves, Bedford, Ohio, assignor to The Farval Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 14, 1939, Serial No. 250,996
2 Claims. (Cl. 184—7)



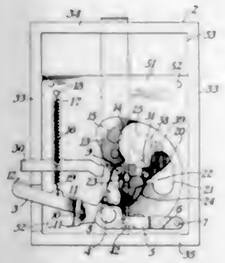
1. In a lubricant measuring valve, the combination of a casing having a cylinder therein, an inlet port in constant communication with one end of said cylinder, an outlet port communicating with the central portion of the cylinder, and a transfer passage having one end opening into the other end of said cylinder, said cylinder having a single control port positioned intermediate said inlet and outlet ports and connecting said cylinder with the other end of said transfer passage, a piston valve mounted in one end of said cylinder for reciprocal movement intermediate said inlet and outlet ports, a measuring piston mounted for reciprocal movement in the other end of said cylinder, a compression spring mounted in said cylinder between opposed sides of said pistons and urging said pistons outwardly away from each other, outward movement of said piston valve being limited by the end of the cyl-

inder in which it is mounted, an abutment member limiting inward movement of said piston valve against the action of said compression spring, said piston valve being adapted to occupy a normal outer control position on one side of said single control port and an inner control position on the other side of said single control port, said piston valve when in its normal outer position being operable to disconnect said inlet port from said control port and being operable upon movement to its inner position against the action of said compression spring to connect said single control port with said inlet port.

2,238,490
TREATMENT OF GAS MIXTURES CONTAINING ACETYLENE
Rudolph Leonard Hasche, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 21, 1937, Serial No. 154,850
6 Claims. (Cl. 183—115)

1. In a process for treating gaseous mixtures having a substantial content of acetylene therein as well as olefine and impurity contents, the steps to improve the gaseous mixture which comprise subjecting the mixture to treatment for the removal of heavy impurities, then compressing the mixture to between 10 and 40 atmospheres, scrubbing the compressed mixture with a liquid absorbent that removes carbon dioxide, and then treating the resultant compressed gas mixture with dimethyl phthalate for removing the acetylene.

2,238,491
CAMERA SHUTTER
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 5, 1940, Serial No. 312,561
5 Claims. (Cl. 95—60)



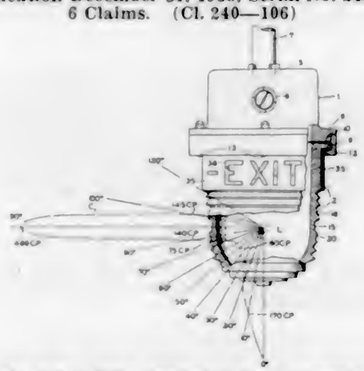
1. In a camera shutter, the combination with an exposure opening, of a cover blind pivotally mounted to cover and uncover the opening, a stud carried by the cover blind, a shutter blade pivotally mounted on the stud and including an exposure aperture, a hairpin spring connected to the shutter blade at one end, a fixedly mounted stud supporting the other end of the spring, a trigger for operating the cover blind and for moving the shutter blade relative to the fixed stud spring support until the hairpin spring is tensioned and released whereby the shutter blade may swing on the stud carried by the cover blind and an exposure may be made through said exposure aperture.

2,238,492
RESPIRATOR MASK
Charles W. Legullion, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 28, 1939, Serial No. 296,932
4 Claims. (Cl. 128—141)



1. A respirator mask providing a face piece providing a face chamber, a baffle structure extending transversely of the mask in said chamber and providing an upper subchamber at the eye portion and a lower subchamber for breathing, said baffle comprising a flexible lip extending downwardly and toward the face of the wearer approximately in contact with the latter, said lip being effective to permit flow of the main body of air for breathing from said upper subchamber into said lower subchamber along the face of the wearer more easily than flow in the reverse direction, intake means opening into said upper subchamber and outlet means for said lower subchamber.

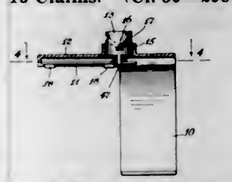
2,238,493
SIGNAL LIGHT
William Lintern, Cleveland, and William A. Lintern, Brook Park Village, Ohio, assignors to The Lintern Corporation, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1938, Serial No. 248,786
6 Claims. (Cl. 240—106)



1. A signal light having a lens comprising a hollow translucent body of generally cylindrical form and substantially closed at its lower end by a globular lens portion, and adapted to enclose an incandescent element so that its center of emanation of light is located in a plane near the lower limit of the cylindrical portion, prisms on the cylindrical wall including an annular wall portion opposite said element center, the outer surface of which wall portion converges upwardly

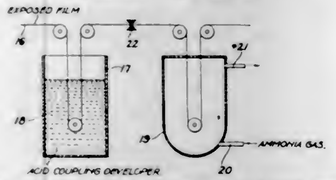
at a relatively narrow angle, annular outer surfaces nearly normal to the lens axis adjacent said wall portion above and below it, a broad outer prism surface adjacent to the upper abrupt surface and converging upwardly at approximately 44°, a less broad outer prism surface adjacent the lower abrupt surface and which converges downwardly at approximately 48°, narrower annular prisms above the upper broad surface and with outer face surfaces which converge at increasing angles upwardly, and annular prisms below the said downwardly converging surface, outer faces of which latter prisms converge downwardly at increasing angles.

2,238,494
RING CUTTER
Margarita Mercedes Maguin, New York, N. Y.
Application November 7, 1940, Serial No. 364,623
13 Claims. (Cl. 30—298)



1. A device of the character described, comprising a ring, a flange forming an extension of the upper surface of the ring, a movable blade mounted parallel to and underneath the flange, means above the flange for propelling the blade, and means for automatically retracting the blade.

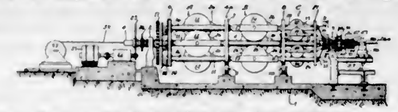
2,238,495
METHOD OF COLOR PHOTOGRAPHY
Leopold D. Mannes, New York, N. Y., and Leopold Godowsky, Jr., Westport, Conn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 12, 1940, Serial No. 329,344
In Great Britain May 10, 1939
6 Claims. (Cl. 95—2)



1. The method of forming a colored image in a photographic silver halide layer, which comprises incorporating in the layer at a pH lower than about 6.5 a compound which couples with an aromatic amino developing agent in alkaline solution to form a dye, and which diffuses from the layer in alkaline solution, exposing the layer to light to which it is sensitive, immersing the exposed layer in an acid solution of an aromatic amino developing agent, and then subjecting the layer for a short time to alkaline vapors to form a colored image in the layer.

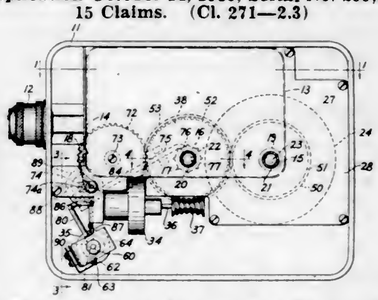
2,238,496
APPARATUS FOR SIMULTANEOUSLY CLOSING CORE WIRES AND ROPE STRANDS INTO A FINISHED ROPE
George E. McDonald, San Francisco, Calif., assignor to E. H. Edwards Company, San Francisco, Calif., a corporation of California
Application December 17, 1938, Serial No. 246,359
8 Claims. (Cl. 57—9)

1. A device of the type described comprising a rotatable cage, core wire and rope strand carrying bobbins supported by the cage, means for feeding a core for the core wires through the device, a twister head for preforming the core wires and the rope strands, and means for rotating the



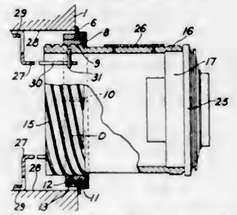
cage for wrapping the preformed core wires around the core and for wrapping the preformed rope strands around the completed core, the rotating cage giving the same lay to both core wires and rope strands.

2,238,497
SOUND CAMERA
William E. Merriman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 14, 1939, Serial No. 299,555
15 Claims. (Cl. 271—2.3)



1. In a motion picture camera, the combination with a sound drum shaft, means for feeding a film strip through said camera and across the exposure aperture thereof, drive means for said feeding means, of means for initially connecting said shaft to said drive means to bring said shaft up to speed, and means for then disconnecting said shaft from said drive means and for simultaneously connecting said feed means thereto.

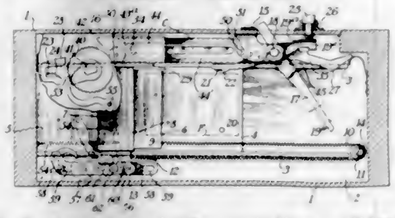
2,238,498
FOCUSING LENS MOUNT FOR CAMERAS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 11, 1939, Serial No. 298,951
13 Claims. (Cl. 95—45)



1. In a focusing lens mount for cameras, the combination with a support, of an annular threaded member revolubly carried thereby including internal threads, an objective, an objective carrier comprising a tubular extension slidably mounted in the threaded member and including threads adapted to mesh with the threads of the annular member, means for slid-

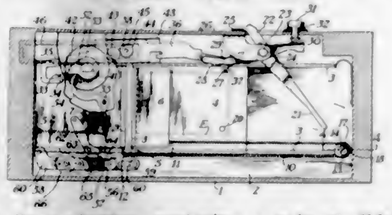
ing the tubular extension until the threaded areas of the tubular extension and annular member lie adjacent and means for causing the threaded areas to mesh rapidly comprising teeth in the two sets of threads projecting axially from other threads whereby turning movement of the tubular extension relative to the annular threaded member may mesh the threaded areas.

2,238,499
SHUTTER TRIPPING DEVICE
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 4, 1940, Serial No. 312,397
5 Claims. (Cl. 95—55)



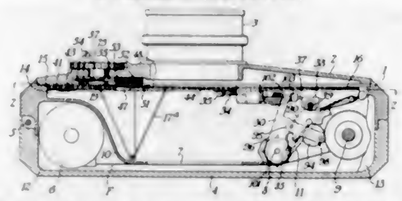
1. In a camera shutter including a slideway, a pair of shutter plates movably carried in the slideway, each having an upstanding lug, and a spring for moving the shutter plates, the combination with a pivotally mounted first and a second latch lever, each positioned to engage one of the shutter plates to hold them under spring tension, of means for manually releasing said first latch lever to release the first shutter plate, said second latch lever comprising a two-part variable length arm, said arm including a latch element engaging said second shutter plate and including a release lug projecting into the path of movement of the first shutter plate to be operated thereby to release the second shutter plate, a guideway on the shutter, an adjustable member mounted to move solely in a longitudinal direction in the guideway, connections between the two-part variable length arm and the adjustable member for varying the length of the arm from the adjustable member, said connections being so formed that said variable length arm may swing about its pivotal support to release the second shutter plate latch when the lug projecting into the path of the first shutter plate is operated thereby.

2,238,500
SHUTTER SPRING FOR SLIDING SHUTTERS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 4, 1940, Serial No. 312,398
6 Claims. (Cl. 95—55)



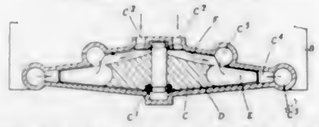
1. In a shutter employing a pair of slidable plates one operable after the other, the combination with a single coiled operating spring, of one end of the spring connected to each of the slidable plates, a support for an intermediate part of the spring, and means carried by the support for maintaining substantially the same spring tension on the two slidable shutter plates.

2,238,501
AUTOMATIC EXPOSURE MECHANISM FOR SHUTTERS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 4, 1940, Serial No. 312,399
9 Claims. (Cl. 95—55)



1. In a shutter, the combination with a pair of slidable shutter blades, of means for releasing one shutter leaf after the other for making an exposure, a spring means for operating both shutter blades, a retarding device comprising a slidable mount, a gear train carried thereby, a pivoted toothed arm carried by a slidable shutter blade and moveable thereon through a path, a toothed wheel carried by the gear train, and means for moving the slidable mount to position the toothed wheel relative to the path of movement of the toothed arm.

2,238,502
PUMPING APPARATUS
Neil Shaw Muir and William Charles Clothier, Farnborough, and John Harold Whitaker, Lightcliffe, England
Application January 17, 1940, Serial No. 314,330
In Great Britain January 16, 1939
1 Claim. (Cl. 103—5)



A pumping apparatus especially adapted for use with an internal combustion engine, and a tank for liquid comprising a centrifugal delivery pump and inward flow turbine arranged adjacent the tank to deliver liquid from it to the engine and having a single combined rotor mounted to rotate freely whereof the outer portion of one face is formed with vanes to constitute the rotor of the turbine whilst the inner portion of the same face is formed with vanes to constitute the rotor of the delivery pump, the two sets of vanes cooperating with a common delivery outlet at an intermediate radius.

2,238,503
CIGARETTE LIGHT EXTINGUISHER
Samuel Arthur Owen and Augustus Burns Stewart, Albuquerque, N. Mex.
Application June 19, 1939, Serial No. 279,982
5 Claims. (Cl. 131—235)

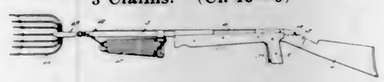
1. A cigarette extinguisher including a cylinder

closed at one end and open at its opposite end and having a longitudinal slot, cutting means adjacent the open end, a guide tube in the cylinder connected at one end thereto, a disk in the cylinder connected to the opposite end of the tube, a



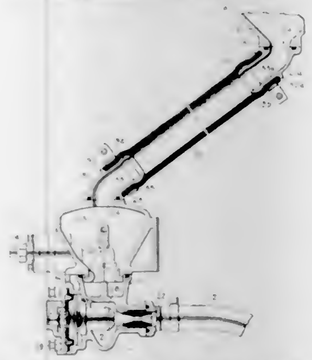
plunger in front of the disk having a rod connected thereto which is slidable in the tube, a member connected to the rod and extending through the slot for manual engagement, and a removable cap for the open end of the cylinder.

2,238,504
HARPOON GUN
Paul J. Pearson, Pontiac, Mich.
Application August 17, 1939, Serial No. 290,699
3 Claims. (Cl. 43—6)



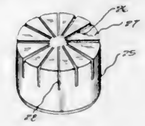
3. A harpoon gun comprising an elongated barrel, holding means at one end of the barrel, a follower in the barrel, spring means for projecting the follower forwardly in the barrel, a swingable trip member constructed to define a shoulder, said barrel having an opening therein through which the shoulder portion of the trip is operative, an elongated trigger rod having a pressure plate at the holding means end thereof, said swingable trip being further formed to define a rearwardly extending arm and an expansible link assembly interposed between the barrel and the arm and having the trigger rod pivotally connected thereto.

2,238,505
SANDER
Lynn I. Pickert, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 9, 1940, Serial No. 318,171
3 Claims. (Cl. 291—44)



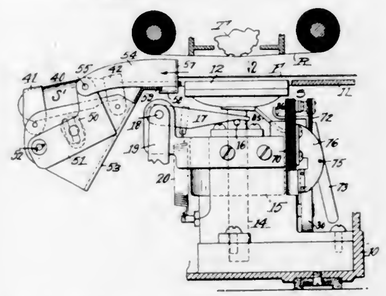
2. The combination of a car having a body and a truck supporting the body and capable of limited motion relatively thereto; a sand box fixedly mounted relatively to the body; a sand trap carried by said truck; a sand discharge fitting on the box and a sand inlet fitting on the trap, said fittings being directed toward one another in such relative positions, when the truck is positioned normally relatively to the body, as to receive the ends of a substantially straight connecting hose inclined downward toward the track at an angle at least as steep as the angle of repose of sand; and longitudinally stretchable hose connecting said fittings and tensioned sufficiently to maintain it substantially straight in all operative truck positions.

2,238,506
CORE BOX VENT PLUG
William Otto Rienacker, Detroit, Mich.
Original application July 30, 1937, Serial No. 156,450. Divided and this application May 24, 1939, Serial No. 275,434
6 Claims. (Cl. 22—13)



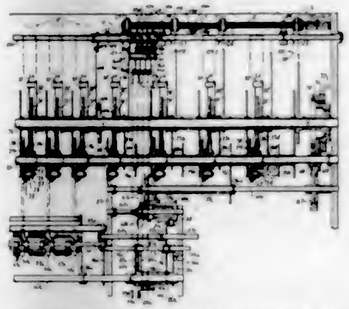
1. A vent plug of the class described comprising a cup-shaped member having a plurality of non-intersecting slots formed in its base to provide elongated passages therethrough each of said slots communicating with an axially directed slot formed in the wall of said member.

2,238,507
ELECTRICALLY OPERATED RECORDING MECHANISM
Alfred Ruttiman, Gardner, Mass., assignor to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts
Application May 24, 1939, Serial No. 275,571
2 Claims. (Cl. 101—287)



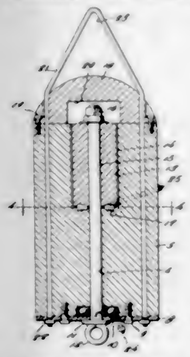
1. In a recording mechanism having a platen, a solenoid to move said platen, a solenoid circuit and a normally-open manually-operated main switch in said circuit, that improvement which comprises a normally closed switch in the solenoid circuit, a holding magnet in a parallel circuit controlled only by said main switch and which is itself non-effective to open any circuit, means associated with said platen which directly engages and positively opens said normally closed switch as the platen completes an operative movement given by said solenoid, and means through which said magnet acts to thereafter hold said latter switch open as long as the manually operated main switch remains closed.

2,238,508
CASH REGISTER
Theodor Schrimpf, Berlin-Neukolln, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 17, 1936, Serial No. 74,842
In Germany April 24, 1935
16 Claims. (Cl. 235—6)



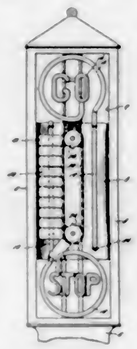
1. In a machine of the class described, the combination of a plurality of groups of totalizers; a support for each group of totalizers; a plurality of totalizer engaging means, one for each group of totalizers operable at each operation of the machine; a means normally coupled to each of the engaging means but normally uncoupled from the totalizer supports; a plurality of means, one associated with each group of totalizers and longitudinally shiftable to select the totalizer in its related group and simultaneously couple the supports for the related totalizer group with the means normally coupled to the engaging means; a plurality of manipulative means; and means operable under control of the manipulative means to uncouple two or more of the normally coupled means from the engaging means to render the totalizer engaging means for two or more groups of totalizers ineffective.

2,238,509
TACKLE SWIVEL
William Ernest Shawl, Olean, N. Y.
Application July 9, 1940, Serial No. 344,591
6 Claims. (Cl. 59—95)



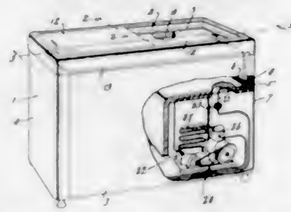
4. A swivel comprising a body having a bore extending therethrough, a pin freely rotatable in the bore and projecting outwardly at each end of the body, an eye at one end of the pin, means for securing the pin in the bore and a bail having its leg portions secured to the body and arranged with its intermediate portion projecting from the end of the body opposite to the eye to provide a line attaching loop.

2,238,510
TRAFFIC SIGNAL
Fred B. Stewart, Muncie, Ind.
Application July 13, 1939, Serial No. 284,352
1 Claim. (Cl. 177—327)



A traffic signal comprising a signal formation including illuminated vertically spaced "stop" and "go" signals having illuminated extensions arranged in horizontally spaced relation, means for illuminating said signal formation, an endless belt having a plurality of overlapping blades mounted between said illuminated extensions to progressively cover the said extensions, and means synchronously operated to illuminate the signals alternately as an illuminated extension is completely hidden from view.

2,238,511
REFRIGERATED CABINET
Curtis H. Thaxter, Los Angeles, Calif.
Application March 12, 1940, Serial No. 323,539
7 Claims. (Cl. 62—89)



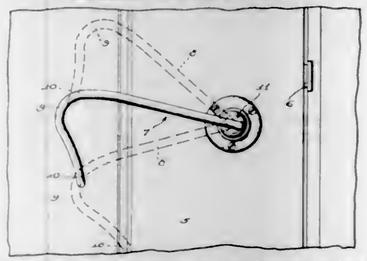
1. A refrigerating cabinet including walls defining a food storage space and an opening for affording access to said space, tracks carried by the edges of said opening, a door slidably carried on said tracks for closing said opening, means for refrigerating said space and heating means for causing a rise in temperature substantially confined to said tracks, the heating capacity of the heating means being so related to the capacity of the refrigerating means and the heating means being so mounted that said tracks may be maintained at a temperature such as to prevent the formation of an ice bond between said door and tracks without appreciably disturbing the low temperature normally produced by said refrigerating means.

2,238,512
METHOD OF REFRIGERATION
Migiel J. Uline, Washington, D. C., assignor to The R F C Mortgage Company, Richmond, Va., a corporation of Maryland
Application January 27, 1940, Serial No. 316,057
5 Claims. (Cl. 62—170)



1. In the shipping of ice, the method of washing a flexible container, then partially drying the container, then freezing the damp container to form on the inner surface protective ice crystals, then filling the thus treated container while still having the protective ice crystals on its inner surface with ice for shipment.

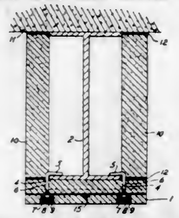
2,238,513
DOOR HANDLE
Frank A. Ward, Hollister, Calif.
Application December 20, 1939, Serial No. 310,216
1 Claim. (Cl. 292—347)



A handle for rotating a latch operating rod which passes transversely through a door, said handle comprising an elongated shank paralleling the door and having one end connected to an end of the rod, the free end of the shank being curved outwardly to form a substantially horizontally arranged bow for receiving a part of the forearm of a person opening the door, the free end of the bowed portion extending downwardly.

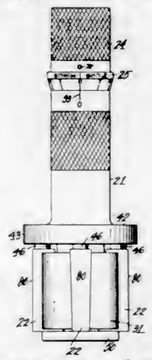
2,238,514
BUILDING CONSTRUCTION
Kenneth R. Weeks and Wilfred S. Armstrong, Winnipeg, Manitoba, Canada, assignors to Gypsum, Lime and Alabastine, Canada, Limited, Toronto, Ontario, Canada
Application November 6, 1939, Serial No. 302,970
7 Claims. (Cl. 72—59)

2. In building construction, the combination with a main supporting beam of a plurality of precast slabs arranged below the beam, said slabs each having a reinforcing metal mat embedded therein and having preformed bolt holes extending through the slab and metal mat, a washer



in registry with each bolt hole embedded in the slab in abutment with said metal mat, a bolt extending through each bolt hole, said bolt having a head at one end engaging said beam and a nut at the other end screwed into engagement with said washer.

2,238,515
INTERNAL GAUGE FOR SPACING HOLES
Stanley W. Bath, Shrewsbury, Mass., assignor to John Bath & Company, Worcester, Mass., a corporation of Massachusetts
Application April 8, 1940, Serial No. 328,465
4 Claims. (Cl. 33—178)

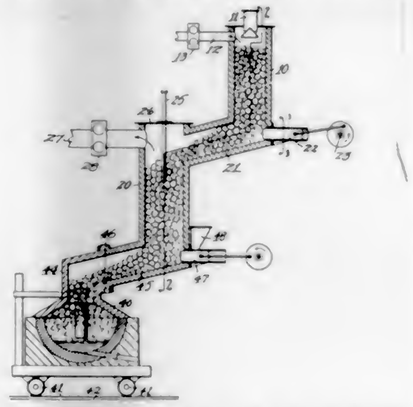


1. An adjustable internal gauge comprising a body member having an enlarged portion with a cylindrical reference surface formed and fixed thereon and having a plurality of dove-tailed tapered guideways formed therein fixed relative to said reference surface, a plurality of gauge-bars longitudinally slidable in said guideways and having gauging surfaces finished accurately concentric with said reference surface, and means to slide said bars simultaneously in said guideways, said parts being so constructed and arranged that said reference surface and said gauging surfaces are maintained in fixed concentric relation in all adjusted positions of said bars.

2,238,516
APPARATUS FOR MANUFACTURE OF CARBIDE
Rollin M. Chatterton, Malden, Mass., assignor to Hydrocarbons Research Co., Boston, Mass., a corporation of Massachusetts
Application March 8, 1940, Serial No. 323,037
9 Claims. (Cl. 23—262)

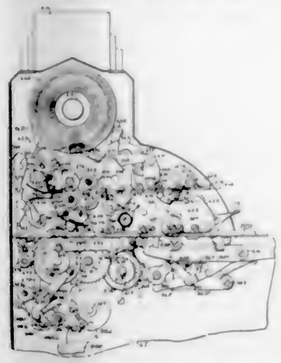
1. Apparatus for manufacture of carbide comprising a lime kiln, an oil cracking retort posi-

tioned at a less elevation than said kiln, an electric carbide furnace positioned at a less elevation than said retort, a passage directly connecting



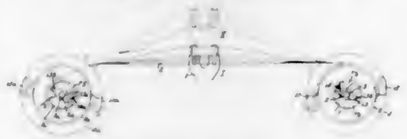
said kiln to said retort, a second passage directly connecting said retort to said furnace, and means for positively feeding solid materials along each of said connecting passages.

2,238,517
CASH REGISTER
Arthur R. Colley and John B. Geers, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application November 25, 1936, Serial No. 112,656
30 Claims. (Cl. 101—66)



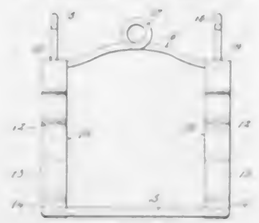
13. In a machine of the class described, having means to print and issue a receipt, the combination of control keys; mutilated members positioned by the control keys; means to drive the printing and issuing means; means connecting the driving means to the printing and issuing means; means to disable the connecting means; means to move the disabling means to and from disabling position each machine operation; a shiftable element connected with the disabling means and cooperating with the mutilated members to retain the disabling means in effective position when certain control keys are depressed, to disable the printing and issuing means; a retaining means for said element; and settable means to shift the element into cooperation with its retaining means to retain the disabling means in effective position to render the printing and issuing means ineffective irrespective of the mutilated members, said settable means also operable to shift said element to disconnect the element from the disabling means to prevent the element from retaining the disabling means in effective position to render the printing and issuing means effective irrespective of the mutilated members.

2,238,518
RIBBON SPOOL DRIVE FOR TYPEWRITING MACHINES
Walter Dieck, Erfurt, Germany, assignor to Olympia Büromaschinenwerke A. G., Erfurt, Germany, a corporation of Germany
Application October 14, 1940, Serial No. 361,162
In Germany October 6, 1939
2 Claims. (Cl. 197—151)



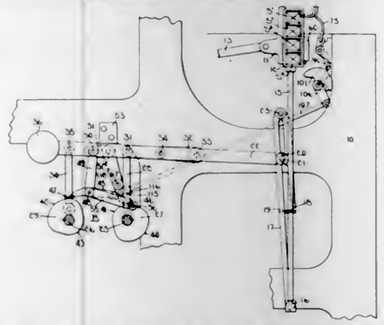
1. Ribbon mechanism for typewriting machines including ribbon spools, supporting and driving means adapted to drive said spools for selectively reversible ribbon travel and a ribbon vibrator intermediate said spool supports in which the path of movement of the ribbon between the spools in feeding position is substantially rectilinear and movement of the ribbon vibrator from feeding position to a printing position displaces the ribbon by a substantial amount from the path of movement thereof in feeding position, comprising resilient connecting means between said drive means and said spools permitting limited movement of the one of said spools acting as take-up spool in reverse direction to the take-up direction during movement of said ribbon vibrator from feeding position to a printing position.

2,238,519
GARMENT HANGER
Augustus W. Drake, Pasadena, Calif.
Application July 12, 1938, Serial No. 218,845
6 Claims. (Cl. 223—96)



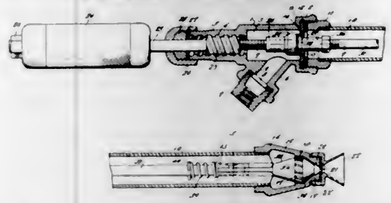
1. A garment hanger of the class described comprising, in combination, spaced pairs of spring gripping members having outwardly flared lower ends; a single wire bail connecting the upper ends of said members; an eye on the bail midway between the members; and a pair of lateral hooks on the ends of the bail above the members, said eye being offset rearwardly from a vertical plane through the bight portions of said hooks, whereby the hanger may be suspended either from a rod or a clothes hook.

2,238,520
CLIP SPOT CORD RETAINER
Albert A. Gordon, 3rd, and Albert Palmer, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 29, 1940, Serial No. 332,204
14 Claims. (Cl. 139—116)



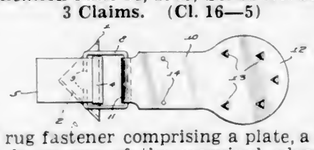
1. In a loom having a lay reciprocating between front and back center positions and having shuttle boxes which shift with respect to the lay during the latter part of a forward motion of the lay and the first part of the succeeding backward motion of the lay to place any selected one of a plurality of weaving shuttles controlled by the shuttle boxes in an active position, a control member movable to a plurality of control positions corresponding to the positions of the shuttle boxes relatively to the lay, means to complete movement of the member to a control position prior to completion of the corresponding box shifting movement of the shuttle boxes, a filling retainer to cooperate with the thread of at least one of the weaving shuttles when the latter is in active position, connections between the member and the retainer to control the latter and move said retainer to inactive position when certain of the weaving shuttles are active, and means under control of the member to move the retainer to active position when said one weaving shuttle is in active position.

2,238,521
SPRAY GUN
Gustaf Gustafson, Yakima, Wash.
Application November 20, 1939, Serial No. 305,372
2 Claims. (Cl. 299—111)



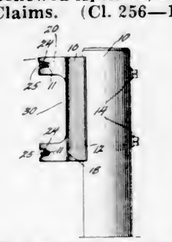
1. In a spray gun, a tubular barrel having a fluid inlet nipple extending therefrom intermediate its ends, an annular disk detachably mounted in the front end of said barrel and forming a reversible valve seat, a nozzle tube detachably secured at one end in said front end of said barrel and terminating at its opposite end in a conical spray head, a control rod threaded into the rear end of said barrel for endwise movement under turning and provided with a hand grip in the rear of said barrel for turning the same, a coupling sleeve threaded onto the front end of said rod for endwise movement therewith in the rear of said seat, a second rod threaded into said sleeve and extending into said nozzle tube for endwise movement with the second-mentioned rod, a valve washer fixed on the second-mentioned rod for engagement and disengagement with said seat under endwise movement of said rods, and a spray control member on the front end of the second-mentioned rod extending into said head and adjustable under endwise movement of said rods to vary its position in said head, said rods being endwise adjustable relatively under turning of said coupling sleeve to vary the normal relation of said washer and spray-control member, said second-mentioned rod having a lost motion connection with said spray control member whereby under endwise movement of said rods said washer is first disengaged from said seat and said spray control member subsequently adjusted.

2,238,522
RUG FASTENER
Ernest B. Harris, Amarillo, Tex.
Application June 14, 1940, Serial No. 340,603
3 Claims. (Cl. 16—5)



1. A rug fastener comprising a plate, a depending blade on one of the marginal edges of the plate engageable between the boards of a floor for anchoring said plate thereon, an upstanding member on the plate, a lever engageable at one end with said member for swinging movement on the plate, and means for connecting said lever to a rug, said means including a strip, prongs on said strip adapted to be embedded in the rug, and a link pivotally connecting the strip to the lever.

2,238,523
HIGHWAY GUARD
Svend A. Holst, New York, N. Y., assignor, by mesne assignments, to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 13, 1935, Serial No. 16,239
Renewed April 21, 1939
9 Claims. (Cl. 256—13.1)



1. In a traffic guard for highways, in combination, a rigid post or support, a plurality of vertically spaced substantially parallel cables, and a tubular bracket of resilient sheet metal rigidly secured to the post and having cable receiving notches formed therein at points remote from the post, a wedging means being associated with each notch for cooperating with the bracket in locking the cable in such notch, said wedging means having a projection adapted to engage an edge of

said notch when said wedging means is in operative position, to prevent accidental displacement of said wedging means.

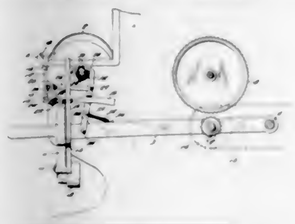
7. In a highway guard, a support, a bracket of resilient sheet metal having one portion secured to said support and a second portion spaced therefrom and provided with a notch, a horizontally extending guard rail element, and means for wedging the latter in said notch.

2,238,524
SUPPORT
Newell G. Hurlbut, Joplin, Mo.
Application February 9, 1940, Serial No. 318,163
3 Claims. (Cl. 211—125)



1. In a support for building up a decorative floral display, a supporting base structure including an upright tubular socket member, a post vertically slidable and rotatable in said member into different set positions, a broken ring secured on top of said post in upright position with the gap therein arranged above the horizontal diametrical center of the ring, and spikes for hanging flowers on the ring extending laterally and upwardly from the same, said ring comprising segmental sections detachably secured together end to end.

2,238,525
STARTING MECHANISM FOR LAPPING MACHINES
Christian A. Hutto, West Columbia, S. C.
Application June 3, 1940, Serial No. 338,592
4 Claims. (Cl. 19—162)



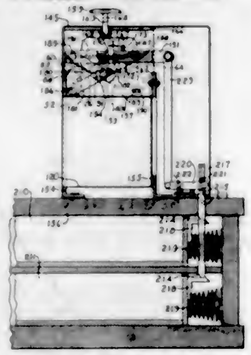
1. In a picker lapping machine, the combination with a vertically swingable starting lever for operating mechanism, a constantly rotating calender roll, and a lap pin, of means to lift said starting lever comprising a lifting lever pivoted to said starting lever for setting in opposite directions into and from effective positions, respectively, and endwise movable in the effective position thereof to lift said starting lever, means operative by the weight of the lap pin thereon to set said lifting lever in effective position, and means on said calender roll operative under rotation of the latter to move said lifting lever in the effective position of said lever.

2,238,526
FURNACE
Stewart Kichline, Allentown, Pa.
Application March 3, 1939, Serial No. 259,695
1 Claim. (Cl. 122—20)



A torch for installation below and back of the fuel door of a furnace fire-box, comprising a flue open at its upper and lower ends only, a water jacket extending around and carried by the flue, said jacket having an inlet and an outlet, pipes leading to the inlet and outlet for supporting the flue above the level of a grate in the fire-box, and flame diffusing means extending from and overlying the upper open end of the flue.

2,238,527
MERCHANDISE TICKET PRINTER
Arthur C. Kirshner, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application February 1, 1936, Serial No. 61,921. Divided and this application June 14, 1937, Serial No. 148,022
3 Claims. (Cl. 235—22)



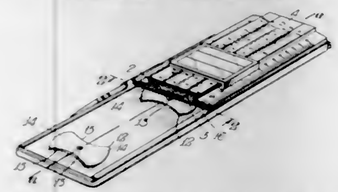
1. In a machine adapted to receive insertable tickets, having a plurality of units each of which includes mechanism for printing in duplicate on an insertable ticket and severing a stub portion from the main body of the ticket, and a receptacle associated with each unit into which are deposited the severed portions of the tickets, the combination of a plurality of cash drawers, each one of said drawers being associated with two of said units; a latch for each drawer keeping it normally in closed position; common operating means for said units; a member associated with each unit movable to render the common operating means effective to operate the unit associated therewith; means for unlatching one of said cash drawers when either one of its associated units is operated; and means for unlatching the other cash drawers when either one of the units associated with such drawer is operated.

2,238,528
TROUSER HANGER
Leif Knudsen, Trondheim, Norway
Application March 23, 1939, Serial No. 263,687
In Norway April 16, 1938
3 Claims. (Cl. 223—95)



1. A trouser hanger comprising two similar parallel resilient bow-shaped members, an upwardly directed suspender member for the hanger extending from the concave side of the bow-shaped members in a radial direction, each bow-shaped member having an upwardly directed, trouser-engaging portion at each end thereof, the trouser-engaging portions at each end of the hanger being connected at their upper ends, the frictional engagement of the trouser-engaging portions with the inside of the trouser legs which is created by the weight of the trouser tending to flatten somewhat by the bow shape of said members, and thus increase the length thereof, thereby increasing the frictional engagement between the trouser-engaging portions and the trouser legs.

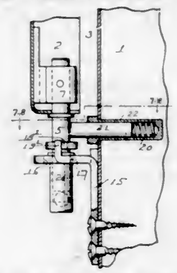
2,238,529
CALCULATING INSTRUMENT
Hans Wolfgang Kübler, Berlin, Germany
Application May 2, 1939, Serial No. 271,380
11 Claims. (Cl. 235—70)



1. A mounting means for attaching a slide rule or similar construction having a resilient base to a substantially rigid wall of the casing of a calculating mechanism and the like so as to retain the inherent flexibility of said slide rule about its longitudinal axis comprising means secured to said rigid wall of said casing and means connecting said first mentioned means and said resilient base so as to space said resilient base from said casing to permit flexing of said resilient base about its longitudinal axis.

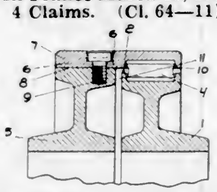
2,238,530
HINGE
Albert F. Lickteig, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application April 20, 1940, Serial No. 330,642
6 Claims. (Cl. 16—179)

1. A hinge for use on a refrigerator or the like having a body and a door at the front thereof, said hinge comprising a pintle non-turnable on the door and having a radial arm, the body having a bearing elongated forwardly-rearwardly thereof wherein the pintle is turnable and laterally slidable, and a stop adapted to be engaged by the arm in the pintle's turning movement with the door when turned to its nearly closed



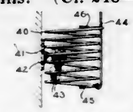
position for moving the pintle and the door inwardly to said closed position.

2,238,531
RESILIENT SHAFT COUPLING
Nils Gunnar August Malmquist, Malmo, Sweden
Application March 17, 1939, Serial No. 262,581
In France March 19, 1938
4 Claims. (Cl. 64—11)



1. A resilient shaft coupling comprising two disk-shaped coupling members adapted to be rigidly secured on adjoining ends of two shafts or like members for conveying rotary motion, individually removable overheads secured on one of said coupling members and axially overlapping the other coupling member, said other coupling member and said axially overlapping overheads being provided in their facing sides with radially opposing shallow recesses, and substantially cylindrical rubber blocks seated with their opposite ends in said radially opposing recesses and held in a compressed state between said overheads and said other coupling member.

2,238,532
MEANS FOR SUPPORTING ELECTRIC CONDUCTORS IN AIRCRAFT
Erich Nöthe, Berlin-Spandau, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application July 21, 1939, Serial No. 285,813
In Germany November 11, 1938
7 Claims. (Cl. 248—68)



1. A device for quickly and detachably securing one or more electrical conductors of varying diameters in place at a selected point on an aircraft without the use of tools, comprising a helical resilient member having a plurality of coils spaced from each other by a distance slightly less than the diameter of the conductor or conductors to be secured therebetween transversely of the axis of said coils, means for securing said helical mem-

ber to said aircraft at the selected point, and manually operable means for retaining said conductor or conductors within the grip of the coils of said helical member.

2,238,533

TUBING ATTACHED REINFORCING TRAPPING STRAINER

Ervin H. McClease, Bakersfield, Calif.

Application December 17, 1938, Serial No. 246,421
24 Claims. (Cl. 166—5)



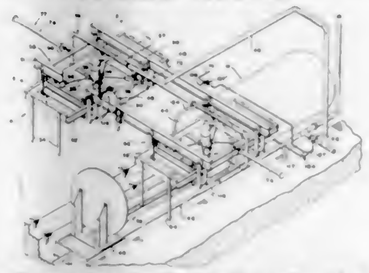
1. A device of the class described, including a series of sand trapping elements connected together by slack joints for relative end motion in an elongate assembly and having interstices for fluid flow, and means for attaching the head of the assembly to a well tubing for lowering and pulling and for occasional reciprocative separation of the connected elements while in situ to break up sand bridges without pulling a well tubing and the assembly when attached.

2,238,534

METHOD AND APPARATUS FOR MANUFACTURING CONTOURED SHEETS FROM VULCANIZABLE MATERIAL

Angus McDonald, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich.

Application June 6, 1938, Serial No. 212,110
24 Claims. (Cl. 18—4)



1. Those steps in the method of curing vulcanizable stock to a predetermined contour which consist in placing a sheet of stock on a contoured surface of a form at a loading station, subjecting the opposite sides of the sheet to differential fluid pressures with a preponderance of the pressure acting on the exposed surface of the sheet to clamp the opposite side of the sheet to the form, introducing the form with the sheet thereon into a heater, and maintaining the action of the differential pressure on the sheet during the interval the form is moved from the loading station into the heater.

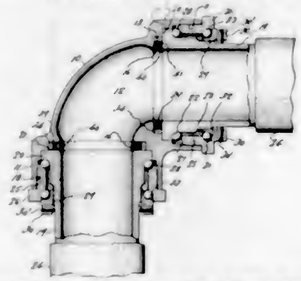
11. In apparatus for curing a sheet of vulcanizable stock to a predetermined contour, a heating chamber having an open end, a form having a contoured surface upon which a sheet of stock is placed, a supporting platform for the form movable into and out of the heating chamber through the open end of the latter, a door mounted on the platform and effective upon movement of the form into the heater to close the open end of the heating chamber, means for locking the door in its closed position, means operating in timed relation to locking of the door to admit a fluid under pressure into the heating chamber, means for exhausting the fluid pressure from the heating chamber after a predetermined interval of time elapses, and means responsive to the pressure drop in the heater for unlocking the door.

2,238,535

SWIVEL PIPE JOINT AND PACKING MEANS THEREFOR

William Meyer, East Orange, and Howard C. Krone, Weehawken, N. J., assignors to A. W. Wheaton Brass Works, Inc., Newark, N. J., a corporation of New Jersey

Application April 22, 1939, Serial No 269,426
4 Claims. (Cl. 285—97.8)



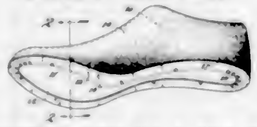
3. A swivel connection for pipes and the like including a female member, a male member insertable in said female member, an anti-friction bearing gland also insertable in said female member about said male member, anti-friction bearings confined between said male member and said gland so that there may be relative rotation of the male and female members, means to affix said gland to said female member so that the bearings hold the male and female members against longitudinal movement, and a packing to be clamped in fixed position by said means by being inserted laterally in said female member.

2,238,536

PROTECTIVE COVERING FOR SHOES

Joseph Michelman, Portsmouth, Ohio, assignor to The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio

Application January 23, 1940, Serial No. 315,219
5 Claims. (Cl. 36—72)



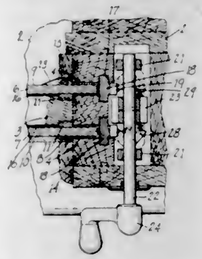
1. A protective cover for a shoe upper positioned on a last comprising a molded flexible casing conforming generally to the outlines of the upper and side portions of the last and having edges terminating approximately at the sole line of the last, and attaching means embedded in such edges, said attaching means comprising a plurality of pins spaced apart and adapted to be inserted into the lasted upper to maintain the cover securely in position.

2,238,537

WINDOW OPERATING MECHANISM

John W. Miller, Sturgis, Mich., assignor of one-half to Lawrence O. McBride, Sturgis, Mich.

Application January 17, 1938, Serial No. 185,323
4 Claims. (Cl. 268—132)



1. A window of the type described and operating mechanism therefor, said window comprising a pair of glass panels slidable relative to one another in a window frame, clips connected directly to each of said panels, a rack secured to each clip, the racks being in parallel relation to one another, a pinion between said racks and adapted to be selectively engaged therewith, means for slidably mounting said pinion for effecting said engagement, comprising a spindle axially slidable and rotatable in the frame, and means for fixedly connecting the pinion to the spindle, and means for locking said panels in adjusted position, comprising a pair of pivotally mounted dogs mounted adjacent said racks and in the path of axial movement of the pinion, and a spring connecting said dogs and urging the same for locking engagement with the racks whereby in neutral position of the pinion between the racks both of said racks are locked by the dogs, said pinion engaging one of said dogs upon axial movement of the pinion into driving engagement with the rack adjacent said dogs, thereby disengaging said dog from said rack, the other dog remaining in locking engagement with the other rack.

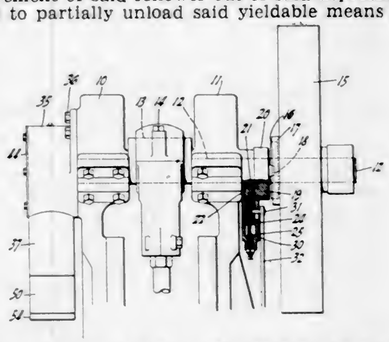
2,238,538

CONTROL MECHANISM FOR MACHINES

Frederick E. Munschauer, Buffalo, N. Y., assignor to Niagara Machine and Tool Works, Buffalo, N. Y.

Application August 22, 1940, Serial No. 353,664
19 Claims. (Cl. 192—149)

1. In a metal fabricating machine having a reciprocable slide for effecting work fabricating strokes and alternate return strokes, control mechanism comprising a cam element, a follower element therefor, and yieldable means for maintaining engagement therebetween, one of said elements being movable in response to movement of said slide, a depression in said cam and engageable by said follower to yieldably retain the slide in a predetermined position of rest at the end of a return stroke, said cam and follower elements cooperating to load said yieldable means at the beginning of a cycle of movement by movement of said follower out of said depression and to partially unload said yieldable means at



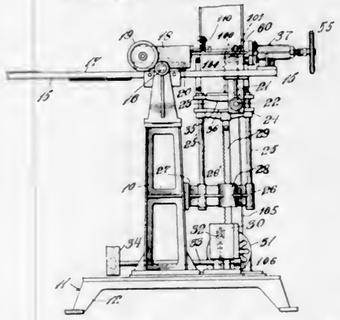
the conclusion of a cycle of movement by movement of said follower into said depression, and hydraulic means arranged to resist movement of said follower from said depression.

2,238,539

PRESSURE TESTING MACHINE

David C. Scott, Providence, R. I., assignor to Henry L. Scott Company, a corporation of Rhode Island

Application June 8, 1938, Serial No. 212,479
4 Claims. (Cl. 265—16)



1. In a testing machine, a pivoted support, means to mount a specimen to be tested, a weight mounted to roll on a surface of said support and adapted to exert pressure upon a specimen to be tested, an endways movable driving member provided with a transversely disposed slot having oppositely arcuately disposed side walls, a connecting member carried by said support out of the plane of said surface of said support and slidably engaging said side walls, the arc of said slot being predetermined to uniformly move said connecting member upon uniform endways movement of said driving member.

2,238,540

ART OF PREPARING CEMENT PRODUCTS

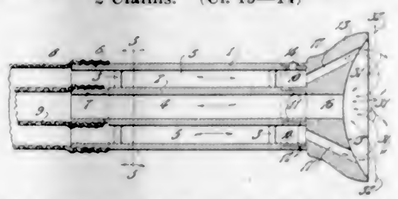
James A. Sourwine, Washington, D. C.

No Drawing. Application July 3, 1940,
Serial No. 343,900
20 Claims. (Cl. 106—24)

1. A new cement product formed by combining through mixing and compacting and curing, dry powdered cement with a non-aqueous organic indurating liquid which as a generic group in-

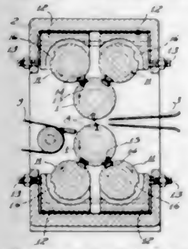
cludes liquid aromatic hydrocarbons and liquid alcohols and mixtures of said liquids, to form a hard firm cement matrix.

2,238,541
CLEANING AND MASSAGING DEVICE
Vincent Spagnolo, Springfield, Mass.
Application March 20, 1940, Serial No. 324,969
2 Claims. (Cl. 15—14)



1. A cleaning device for the hair and scalp comprising a cylindrical handle member provided with an axial air passage and an annular air passage, a nozzle removably secured on an end of said handle and formed with a concave face, said nozzle being provided with a central air port in said concave face and communicating with said axial air passage, said nozzle being also formed with a plurality of conical protuberances projecting from said concave face and provided with air ports communicating with said annular air passage.

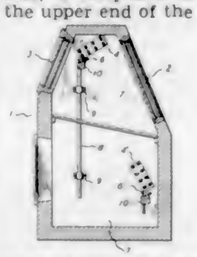
2,238,542
SHEAR
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 350,321
12 Claims. (Cl. 164—66)



12. A flying shear comprising a pair of rotatably-mounted superimposed drums between which strip material is adapted to pass, a pair of shear blades carried by the rotating drums for periodically severing said strip, a pair of backing rolls engaging each drum at circumferentially-spaced points and each of said rolls being provided with a recess extending longitudinally across its face for receiving the shear blade attached to the adjoining carrier as the blade is carried past the roll.

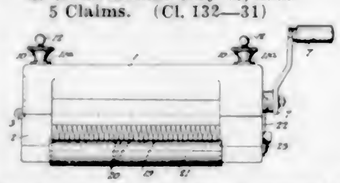
2,238,543
REFRIGERATOR, DISPLAY CASE, OR MEAT COOLER
Henry E. Trotter, Fort Worth, Tex.
Application May 22, 1939, Serial No. 275,013
3 Claims. (Cl. 62—89.6)

1. In a refrigerator display case having a coil installation including a series of rectangular fins arranged obliquely with respect to the transverse plane of the said case and a trough therebeneath, a vertically adjustable drain attached to the wall of the said case, a receptacle attached to and opening into the upper end of the said drain and



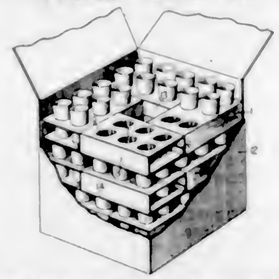
a support forming a relatively short trough attached to the said receptacle for receiving and supporting the first named trough.

2,238,544
METHOD OF REDUCING OR REMOVING WAVE CURL OR FRIZZINESS FROM HAIR
Edward Wheatley, West Wickham, England
Application July 4, 1939, Serial No. 282,800
In Great Britain July 26, 1938
5 Claims. (Cl. 132—31)



1. Method of treating hair to remove wave, curl or frizziness therefrom consisting in chemically treating the hair to soften it and then passing the strands of hair lengthwise between rollers to apply a milling action whilst tensioning the strands by combing means, and then chemically treating the hair to re-harden it.

2,238,545
CARTON FOR TUMBLERS
John S. Whiley, New York, N. Y., assignor to Anchor-Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application July 28, 1939, Serial No. 287,105
2 Claims. (Cl. 206—65)



1. A package comprising a container of substantially square cross-section, a plurality of similar display cartons disposed in said container and being arranged in superimposed layers, four to a layer, each of said cartons being of rectangular form and of a dimension such that the combined length plus the width of the carton equals the width of the inner wall of the container, the cartons of each layer being arranged

in such a manner that one end of each carton contacts with an adjacent side of said container and the other end contacts with one side of a juxtaposed carton so that an opening will remain at the center of the layer, each of said cartons having openings for receiving glass tumblers or similar articles, said tumblers being disposed in said openings and extending above the top of the cartons so that the layers of cartons will be held in spaced relationship to permit the entrance of the fingers beneath the cartons of a layer for grasping a carton when a hand is inserted in said central opening.

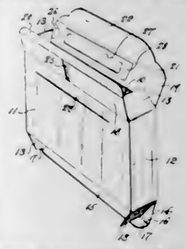
2,238,546
CARCASS TREATMENT
Beverly E. Williams and Andrew S. Hartanov, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 13, 1939, Serial No. 278,906
7 Claims. (Cl. 99—174)

1. The method of treating calf carcasses which comprises hot skinning a calf carcass, applying a brine moistened cloth in intimate contact with the skinned meat surface promptly after skinning of the meat surface and before dissipation of the animal heat and encasing the clothed carcass in a moistureproof covering in intimate contact with the cloth covering.

2,238,547
PHOTOGRAPHIC DEVELOPER
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company
No Drawing. Application June 6, 1939, Serial No. 277,675
3 Claims. (Cl. 95—88)

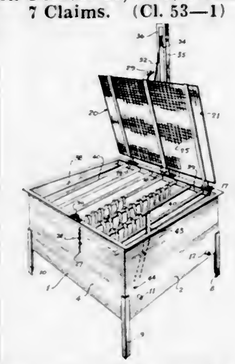
1. In a process of the character described, developing photographic images and hardening the gelatinous surfaces with a silver halide developer in the presence of a potassium salt embodying potassium pyrophosphate.

2,238,548
DISPENSING CARTON
Stuart M. Andrews, Brooklyn, N. Y., assignor to P. L. Andrews Corporation, Brooklyn, N. Y., a corporation of New York
Application August 15, 1939, Serial No 290,186
8 Claims. (Cl. 206—52)



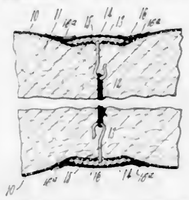
1. In a dispensing carton for tape-like material, a body open at its bottom and top, means to close the bottom of said body, a wall of said body having a vertically disposed viewing opening extending upwardly from its closed bottom, transparent material affixed to said body wall to cover the area of said opening therein, superposed inner and outer closure flaps at the top of said body adapted to form intermediate thereof an outgoing passageway through which material may issue from the body interior, means to retain said flaps in closed relation to the body top and in mutual passageway forming relation, said inner flap having intermediate its ends a transverse slot providing communication between the interior of said body and said passageway, said outer flap having a viewing opening over a portion of said passageway, transparent material affixed to said outer flap to cover the area of said opening therein, and an end portion of said outer flap having an indented thumb notch formed therein to accessibly expose the extremity of material extending outwardly through said passageway.

2,238,549
SAUSAGE COOKER
Joseph William Bierek, Seattle, Wash., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application October 10, 1939, Serial No. 298,821
7 Claims. (Cl. 53—1)



6. A cooker comprising a vessel, a hinged cover and a raisable rack, means for raising one side of said rack by the raising of said cover, and an independent means for raising the opposite side of said rack.

2,238,550
WATERPROOF MATTRESS
Samuel Blake, Brookline, and Edward Woll, Dorchester, Mass., assignors to New York Mattress Company, Boston, Mass., a corporation of Massachusetts
Application November 24, 1939, Serial No. 305,818
3 Claims. (Cl. 5—356)



1. A waterproof mattress comprising a waterproof ticking fabric, tufting passing through the body of the mattress from one face to the other, the anchoring portion of said tufting penetrating said ticking fabric and creating an aperture therein, and a small piece of ticking fabric covering completely the anchoring portion of said tufting and united by waterproof adhesive to said portion and to ticking fabric substantially only immediately surrounding said portion and thereby seal-

ing said aperture against leakage, the exposed face of the marginal portion of said piece and the exposed face of the immediately surrounding ticking fabric having waterproof adhesive applied thereto so as to seal the edge portions of said piece against parting from the ticking fabric and to prevent access to the edge portion of said piece.

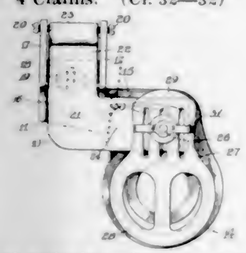
2,238,551

DENTAL ARTICULATOR WITH OFFSET PIVOTAL CONNECTION FOR THE HOLDERS

Victor Bloom and Benjamin Siegel, New York, N. Y.

Application May 29, 1940, Serial No. 337,804

4 Claims. (Cl. 32—32)



1. A dental articulator having a pair of spaced apart model holders, each including a jaw base, said jaw bases being arranged one above the other and having their middle lines normally disposed on a common vertical center plane, a support connected to, offset rearwardly and to one side only of one of said holders and a pivotal connection carried by said support and connected with the other holder at one side thereof, said pivotal connection having its pivot axis at right angles to said center plane and being disposed completely outside of a vertical plane extending parallel to said vertical plane and tangentially to the outermost lateral boundary of said jaw bases on the side thereof adjacent said pivotal connection.

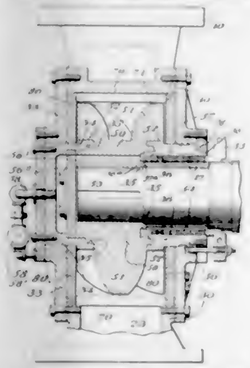
2,238,552

ROTARY PUMP OR THE LIKE

Henry G. Bowering, Needham, Mass., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass., a corporation of Massachusetts

Application January 22, 1938, Serial No. 186,402

9 Claims. (Cl. 103—128)



9. A pump comprising a casing, a rotor having a hub in said casing, a shaft for said rotor, a pair of bosses carried by said casing, said bosses and said hub being formed with complemental surfaces defining labyrinth grooves, a shaft packing exteriorly of the complemental surfaces defined by one of said bosses and one end of said hub, the other of said bosses defining with the other end of said hub a chamber, transverse bores through said hub effecting communication between said chamber and said first named boss, and a conduit in communication with said chamber and the suction side of said pump to draw positively leakage and the like away from said packing.

2,238,553

DIESEL ENGINE FUEL

Marvin L. Chappell, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 14, 1938, Serial No. 195,823

5 Claims. (Cl. 44—9)

1. The method of increasing the cetane number of a petroleum Diesel oil fraction boiling in the Diesel oil range and suitable for use as a Diesel fuel but having an undesirably low cetane number, which comprises treating said Diesel oil fraction with a diazonium salt at temperatures below about 40° F., in proportion sufficient to form diazonium salt reaction products in said Diesel oil fraction and to increase the cetane number, neutralizing the resulting mixture, and separating the water containing the dissolved salts of reaction from the Diesel oil fraction containing the diazonium salt reaction products in solution.

2,238,554

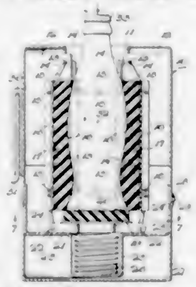
BOTTLE DRIER

Bruce G. Copping, Toronto, Ontario, Canada, assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware

Application December 20, 1938, Serial No. 246,829

In Canada September 22, 1938

10 Claims. (Cl. 34—95)



9. In a device of the character described, supporting means, moisture absorbent means disposed therein, means pivotally mounting said moisture absorbent means to the interior of said supporting means, and a bottom plate pivotally joined to said moisture absorbent means in such a manner that a downwardly exerted force on said plate will draw said absorbent means downwardly and inwardly.

2,238,555

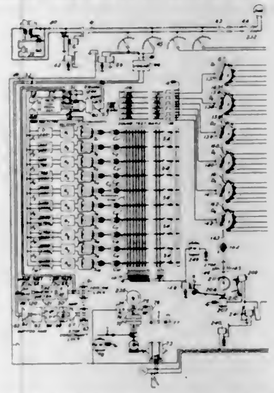
VOICE OPERATED MECHANISM

Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 31, 1939, Serial No. 265,260

35 Claims. (Cl. 179—18)

1. In combination, a plurality of mechanisms each represented by a different group of words and means responsive to the pronouncement of one of said word groups for selecting the mechanism defined by the spoken word group, said means comprising a transmitter for transforming the spoken words into electrical waves, means for analyzing said waves to determine the successive phonetic sounds represented by said waves, means responsive to said analyzing means



for temporarily storing indications of the phonetic sounds present in successive portions of said waves, means controlled by said first storing means for storing indications of the words defined by the stored phonetic sounds, and means responsive to the registration in said second storing means of the words of one of said word groups for selecting said mechanism represented by said word group.

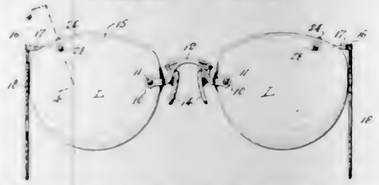
2,238,556

OPHTHALMIC MOUNTING

Edgar R. Durgin, Maplewood, N. J., assignor to New Jersey Optical Co., Irvington, N. J., a corporation of New Jersey

Application February 27, 1940, Serial No. 321,011

3 Claims. (Cl. 88—47)



1. In combination with a rimless spectacle construction having a central bridge structure secured by straps to the opposed inner ends of a pair of lenses and including temple mounting bars affixed to said bridge structure to extend outwardly therefrom coincident to and behind the upper marginal portions of said lenses, a separable coupling means secured to the upper marginal portion of each lens beneath the associated temple mounting bar at a selected point intermediate the ends of the latter, each coupling means comprising a base member continguous to the rear face of the lens and secured to the lens by a screw passing therethrough from the front thereof to screw into an internally threaded opening with which said base member is provided, and an upwardly extending clip finger integral with said base member and adapted to engage externally across and behind said adjacent temple mounting bar, said clip finger terminating in a hook-like element the bight of which embraces and holds said bar against substantial movement relative to the lens margin.

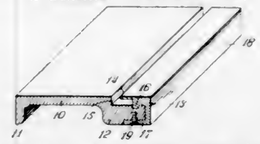
2,238,557

WALLPAPER TRIMMER'S STRAIGHTEDGE

Fred E. Edgren, Chicago, Ill.

Application October 24, 1938, Serial No. 236,804

2 Claims. (Cl. 164—73)



1. A wallpaper trimmer's straightedge comprising a body unit; a track or guide unit, the opposing sides of the two units having interlocking matching surfaces whereby relative lateral movement between the two units is prevented; and means whereby the two units are removably secured together against movement lengthwise of each other.

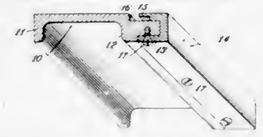
2,238,558

STRAIGHTEDGE AND CUTTER GUIDE

Fred E. Edgren, Chicago, Ill.

Application April 15, 1940, Serial No. 329,758

4 Claims. (Cl. 164—73)



1. A straightedge of the character described comprising a single piece metallic body unit and a single piece metallic track or guide unit; the body unit at its rear longitudinal edge having an integral depending flange to provide a bearing surface and at its forward longitudinal side being provided with a forwardly disposed extension offset vertically beneath the plane of the main body to provide a bearing surface while the track unit on its inner side is formed to match and receive said extension, the top and bottom surfaces of the track unit being disposed in the planes of the top of the main body unit and of the bottom of said extension, with the inner longitudinal edge of the top portion of the track unit undercut and arranged in lateral spaced relation with the top of the body unit and in vertical spaced relation with the top surface of said extension to provide a cutter tool receiving slotway; and removable means disposed upwardly from the lower side of the straightedge for removably securing the track unit in place.

2,238,559

WINDOW CURTAIN

John J. Farley, Rutherford, N. J., assignor to Modern Curtain Co. Inc., Boston, Mass., a corporation of Massachusetts

Application January 14, 1941, Serial No. 374,353

2 Claims. (Cl. 156—10)

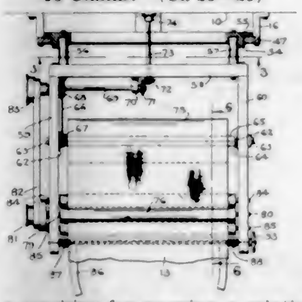
1. In a window curtain section, a head-end portion adapted to be hung from a rod and comprising superposed layers of curtain fabric held together by stitches extending along spaced parallel lines from one side edge of the section to

the other and defining therebetween a rod-receiving tunnel; and an elongated piece of curtain fabric stitched to said superposed layers above said rod-receiving tunnel, said piece being



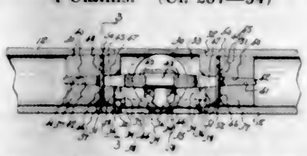
of a length much greater than the span of said section but being gathered at its line of stitching to said superposed layers to afford a ruffled effect and hanging in front of said rod-receiving tunnel to shroud the latter.

2,238,560
FABRIC NAPPING MACHINE
Harry Fleisher, Watertown, Conn., assignor to Princeton Knitting Mills, Inc., Watertown, Conn., a corporation of Connecticut
Application October 21, 1938, Serial No. 236,311
16 Claims. (Cl. 26—29)



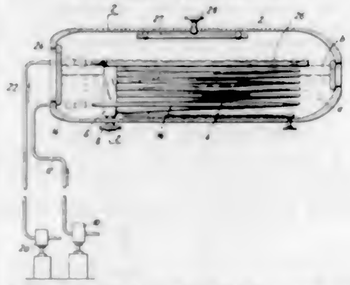
1. In a machine for napping a relatively long length of tubular fabric, a rotatable receptacle for holding a supply of said fabric in collapsed condition, fabric take-up means located above said receptacle, rotatable circular means disposed between said receptacle and said take-up means, over which said fabric is continuously stretched, and a plurality of rotatable napping brushes spaced about the fabric in alinement with said circular means to engage it and nap its surface.

2,238,561
CONNECTOR
Robert G. Goodyear, New York, N. Y.
Application March 22, 1940, Serial No. 325,331
4 Claims. (Cl. 287—54)



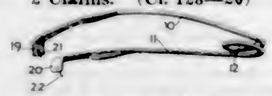
1. A connector means for fixedly securing an end of a tubular element comprising, a body portion having an extended fixed end section of cross-sectional shape conformable to and insertable into the interior of the tubular element to be engaged, said fixed end section having a laterally open channel-like cavity along its length, a laterally movable gripper member lodged in said cavity, said gripper member having an external face surface also conformable to the interior of the tubular element, wedge means extending outwardly from said body portion endwise through said cavity behind said gripper member, the bottom of said cavity and the back of said gripper member having longitudinally inclined mutually opposed flat faces to provide an intermediate receiving space conformable to the taper angles of contiguous wedge means faces, means giving access to the wedge means to permit driving thereof, said fixed end section and said gripper member having aligned transverse openings and said intermediate wedge means having a longitudinal slot intersecting said openings, a split cotter pin engaged through said openings and slot, the outer end of one said opening having an enlarged portion to seat and hold the eye part of said cotter pin, and the outer end of the other said opening having a countersunk conical seat into tensional engagement with which the tips of the cotter pin legs are bent to yieldably bind said wedge means in initially retracted assembled position between said fixed end section and gripper member.

2,238,562
GENERATION OF HIGH PRESSURE STEAM WITH LOW SALT CONTENT
Otto Hartmann, Kassel-Wilhelmshohe, Germany
Application March 6, 1939, Serial No. 260,216
In Germany March 23, 1938
5 Claims. (Cl. 122—33)



1. A method of generating high pressure steam substantially free from salt in a boiler without circulating water comprising feeding water having a high salt content into the lower portion of the boiler, feeding water having a low salt content into the upper portion of the boiler as a layer covering said first fed water, and heating said boiler to form steam bubbles rising from said first fed water, said bubbles passing through and being washed in said second fed water.

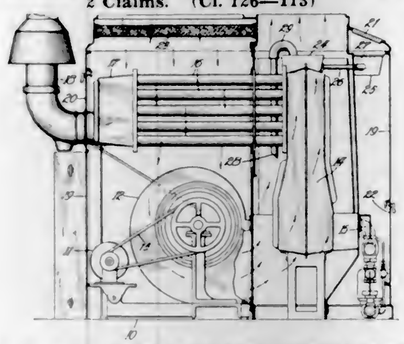
2,238,563
EMBALMING INSTRUMENT
William H. Jacques, Chicago, Ill., assignor to Anna J. Jacques, Chicago, Ill.
Application January 24, 1939, Serial No. 252,645
2 Claims. (Cl. 128—20)



1. An embalming retractor comprising two arms normally resiliently diverging with end portions bowed inwardly and downwardly whereby

the retractor is formed on an arc, a resilient loop disposed intermediate said arms from which the arms diverge, a surface plate having a uniplaner section secured at the outer extremity of each arm and arranged substantially in the same plane, the outer end portions of the uniplaner section of said plates being directed inwardly toward each other; an incision engaging member projecting from said outer portion, said member being disposed downwardly with respect to the uniplaner section and from the same side of the arms, a needle shaped tissue engaging prong carried by the under surface of said member, said prong disposed downwardly and outwardly with respect to its supporting surface forming an angle with the uniplaner surface plate whereby when the retractor prongs are positioned within the incision in the body of a dead person being embalmed, the arms and plates of said retractor will be supported and caused to lie snugly against the surface of the body adjacent said incision, thereby leaving said incision unobstructed and with said prongs piercing the flesh and imbedding themselves within the incision tending to draw said surface plates into tighter contact with said body and preventing accidental dislodgment of said retractor.

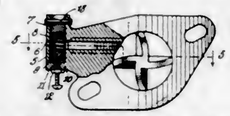
2,238,564
HUMIDIFIER
William G. Macy, Bloomington, Ill., assignor to American Foundry & Furnace Company, Bloomington, Ill., a corporation of Illinois
Application November 14, 1938, Serial No. 240,287
2 Claims. (Cl. 126—113)



1. In a humidifier for warm air furnaces with air circulating fan, an evaporator tank adapted to be supported in intimate contact on top of the combustion chamber, water supply means within said tank, means to control said supply means responsive to humidity conditions, multiple vertical air ducts adjacent the combustion chamber to induce upwardly moving warm air currents from within the furnace and impinge same downward on the surface of the water in the evaporator tank to cause agitation and prevent formation of scum, and thermostatic control means to control fan operation responsive to temperature conditions whereby humidity is supplied slowly by natural evaporation from the evaporator tank when the circulating fan is not in operation and rapidly when the fan is operating.

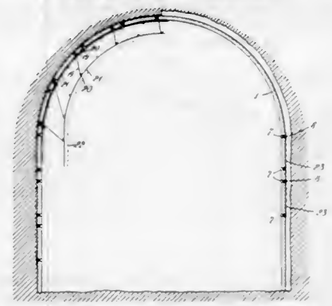
2,238,565
AUXILIARY AIR ADMISSION DEVICE
Charles R. Morton, Maplewood, N. J.
Application February 2, 1939, Serial No. 254,218
3 Claims. (Cl. 48—180)

3. A device for providing the proper proportions of air and fuel in an internal combustion engine, comprising a plate having a centrally located opening adapted to be inserted in the intake manifold of an engine, a cylinder integral with said plate, said plate having a slot between the opening and the cylinder, a piston slidably mounted in the cylinder, a boss positioned in one end of the cylinder and having a guide flange, a



compression spring engaging the piston and urging the piston in one direction, said spring encircling the boss and resting on said flange, means to limit the movement of the piston in one direction, said cylinder having an opening for the entrance of air, a screw threaded in one end of the cylinder and bearing against the boss to adjust the tension of the spring, and a lock nut for holding the screw in adjusted positions.

2,238,566
TUNNEL LINING
George Perrine, New York, N. Y.
Application March 15, 1939, Serial No. 261,895
3 Claims. (Cl. 61—45)

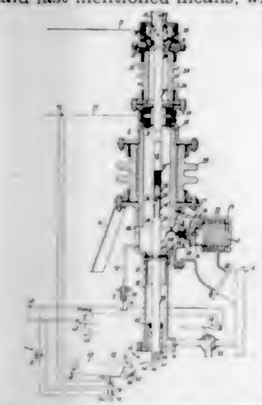


1. A tunnel lining comprising flanged circumferentially extending ribs disposed with the flanges projecting toward the interior of the tunnel, liner plates each of which spans a pair of adjacent ribs and is supported on the outer faces thereof, and clamping clips secured to each plate and embracing the edge portion of a flange on one of the ribs whereby the plates are clamped in position on the ribs.

2,238,567
CIRCUIT BREAKER
David C. Prince, Swarthmore, Pa., assignor to General Electric Company, a corporation of New York
Application January 19, 1940, Serial No. 314,613
8 Claims. (Cl. 200—82)

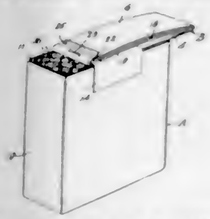
1. In a fluid pressure operated circuit breaker, the combination comprising a plurality of relatively movable electrodes, fluid-operated means associated with one of said electrodes for producing relative movement between said electrodes, a source of fluid under pressure, means for connecting said first mentioned means and said source of fluid when said circuit breaker is in the closed position so that said fluid under pressure constantly tends to open said circuit breaker, means for restraining said circuit

breaker in said closed position, and means for tripping said last mentioned means, whereby said



source of fluid under pressure is released to operate said first mentioned means.

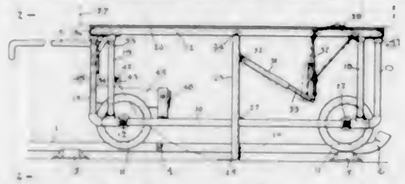
2,238,568
CIGARETTE PACKAGE AND MATCH BOOK ATTACHMENT THEREFOR
Harry Rothar, Roslyn, N. Y.
Application March 23, 1939, Serial No. 263,663
5 Claims. (Cl. 206—48)



1. The combination with a cigarette package of the type which includes an outer jacket having an open upper end, an inner wrapper having overlapped folds at the upper end and a cross strip traversing the medial portion of the folds of said inner wrapper and secured at its opposite ends to the outer jacket, of an attachment therefor including a strip folded longitudinally along transverse lines to provide upper and lower leaves and intermediate match carrying leaves, the lower leaf being slidably associated with the upper end of the package between the overlapped folds thereof for limited movement with reference to the upper end of the package, and an inturned flange at the free end of the lower leaf constituting a keeper for releasably retaining an end of the upper leaf in folded relation with the lower leaf, said flange also serving as a stop means engageable with the cross strip to limit the retractive sliding movement of the attachment.

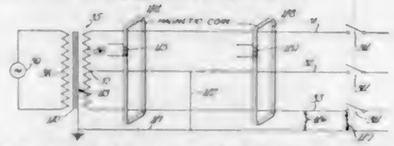
2,238,569
APPARATUS FOR TRANSPORTING CASKETS AND THE LIKE
Arthur C. Saxton, Lakewood, Ohio
Application July 28, 1938, Serial No. 221,755
5 Claims. (Cl. 105—141)

1. A truck for transporting caskets and the like comprising a frame, a casket carrying platform and single track wheels carried by said frame, ground contacting supporting legs extending downwardly from each side of said frame, the upper ends of said legs being pivotally attached to said frame whereby the lower ends of said legs



are movable into a vertical position in contact with the ground, and means carried by said frame and operable by the positioning of the casket on said platform for pivotally moving said legs out of ground contacting position.

2,238,570
FAULT INDICATING MEANS
Edmund O. Schweitzer, Jr., North Brook, Ill.
Original application August 11, 1939, Serial No. 289,600, now Patent No. 2,224,320, dated December 10, 1940. Divided and this application August 21, 1940, Serial No. 353,468
7 Claims. (Cl. 175—294)

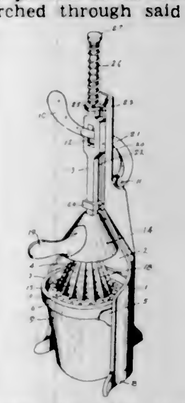


1. In an electric power distribution system, in combination, a core, a winding on said core energized with alternating current, a load circuit connected across said winding, said core and one conductor of said load circuit being grounded, a magnetic circuit surrounding said load circuit into which flux is induced on the occurrence of a short circuit between said winding and said core, the distance between the conductors forming said load circuit being relatively small as compared to the distance between said conductors and said magnetic circuit, and means linking said magnetic circuit and responsive to said flux induced therein.

2,238,571
FRUIT JUICER
Gilbert W. Scott, Franklin, Ill.
Application February 6, 1939, Serial No. 254,767
1 Claim. (Cl. 146—3)

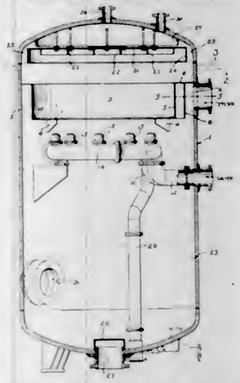
A fruit juicer comprising in cooperative combination an upright U type of frame shaped to define a semi-annular channel bracket support for a removable perforated cone and juicer plate with said bracket disposed at a predetermined level above the base of said frame, and said frame further shaped to define an integral hood portion partially encompassing said cone and juicer member when the same is removably supported on said bracket and further shaped to define an integral upright lever supporting post having a vertical slot adjacent the top thereof, and a vertical guide channel, a vertical plunger slidably movable in said channel, a transverse roller in a slot of said plunger, a compression spring encompassing the top of said plunger for retracting the same, a swivel mounted cone squeeze cap pivotally and freely supported at the base of said plunger, and an S

curved handle pivoted at its lower end to said frame and arched through said roller slot of



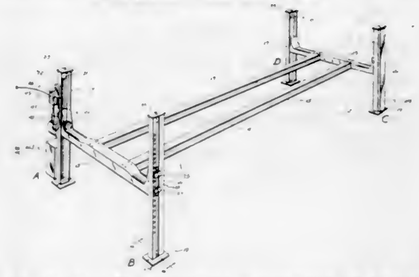
said plunger over the roller and normally extending up and out from the front of said frame.

2,238,572
FEEDWATER HEATER
Joseph F. Sebald, Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application November 9, 1939, Serial No. 303,578
7 Claims. (Cl. 261—115)



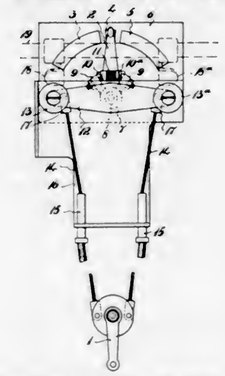
1. In a feedwater heater, a shell having an inlet for steam and a storage space for heated water therein below said heating space, a circular partition within said shell inwardly of the steam inlet and forming a steam distribution space about its outer side and a feedwater heating space inwardly of its inner side, a wall closing the upper end of said steam circulating space whereby the steam will be directed downwardly along the outer side of the partition and across one end thereof into the heating space, means for spraying water to be heated upwardly through said heating space whereby the upwardly sprayed water will be caused to flow downwardly through the heating space to said storage space, and a splash plate spaced above said heating space, said splash plate comprising a flat plate and a plurality of depending ribs on the side of the flat plate engaged by the upwardly sprayed water, said flat plate and ribs forming a plurality of horizontal and vertical spaces to be contacted by the feedwater.

2,238,573
LIFT FOR RAISING MOTOR VEHICLES
Edwin H. Steedman, St. Louis, Mo., assignor to Curtis Manufacturing Company, Wellston, Mo., a corporation of Missouri
Application December 5, 1938, Serial No. 244,001
12 Claims. (Cl. 254—144)



12. A car lift comprising a plurality of vertical members, a car supporting device, hoisting means to raise and lower the car supporting device in conjunction with the vertical members, an electric motor driving the hoisting means, a latch member on the car supporting device adjacent each vertical member for engagement therewith if the hoisting means fails, and an electric switch for said electric motor effective to stop the electric motor should any of the latch members move toward engagement with the vertical member.

2,238,574
CONTROLLING MEANS FOR REVERSING GEARS
William Miles Webster Thomas and Howard Snook, Birmingham, England, assignors to Wolseley Motors Limited, Birmingham, England, a company of Great Britain
Application July 8, 1939, Serial No. 283,370
In Great Britain June 7, 1939
7 Claims. (Cl. 74—472)



1. Combination control apparatus for controlling an electro-magnetic reversing gear and an engine, comprising a pair of spaced and fixed forward and reverse contacts for connection to electro-magnets of the gear for giving forward and reverse speeds, an intermediate fixed contact connected to an electro-magnet for holding the driven shaft of the gear against rotation, a movable contact mounted so that it may engage the intermediate fixed contact, an engine controlling member, and an operating lever adapted to move the movable contact in either

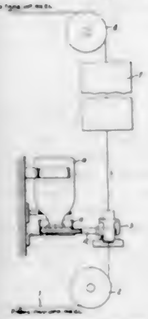
direction from the intermediate fixed contact on to the forward or the reverse contact and adapted also to actuate the engine controlling member during such movement of the movable contact in either direction from the intermediate fixed contact.

2,238,575

APPARATUS FOR COATING ARTICLES SUCH AS WIRES WITH LIQUID COATING COMPOSITIONS

Adalbert Alexay, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 6, 1939, Serial No. 266,384
13 Claims. (Cl. 91—32)



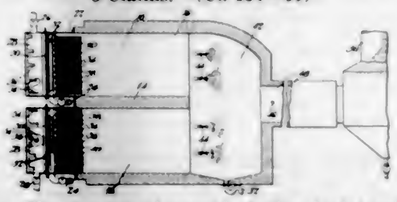
1. A die for applying a uniform film of coating material on a wire comprising a member having spaced apart side walls terminating at their upper ends in a gable structure, said gable structure having an orifice in its apex to receive the wire being coated, said orifice being of sufficient size to admit the wire therethrough and shaped to coat the wire with a uniform film of the coating material, and a bottom wall joining said side walls, said bottom wall having an opening arranged to permit vertical movement of a wire therethrough and through the orifice in the apex of the said gable structure.

2,238,576

CARBONACEOUS PIGMENT AND PROCESS OF MANUFACTURE

George L. Heller and Carl W. Snow, Pampa, Tex., assignors to General Atlas Carbon Company, Dover, Del., a corporation of Delaware

Application May 26, 1937, Serial No. 144,786
8 Claims. (Cl. 134—60)



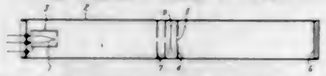
1. The process of manufacturing hydrocarbon black which comprises directing a plurality of spaced wide sheets of hydrocarbon gas of about ⅛"–¼" thickness into a combustion chamber, simultaneously directing into the combustion chamber a sheet of air on each side on each gas sheet, adjusting the relative flow velocities and volume ratios of the air and gas sheets to maintain viscous streamline partial combustion and formation of solid hydrocarbon within each gas sheet at a distance of about 3½–6½ feet from the point at which the air and gas sheets first contact within the chamber, intimately contacting the gaseous reaction products with a fine spray of quenching liquid at a point spaced about 4½–8 feet from the point at which the air and gas sheets first come in contact, permitting the gaseous and solid products of combustion to expand into an enlarged cooling and blending chamber at about the time that the gas contacts the quenching liquid, and regulating the temperature and volume of the quenching liquid to thereby promote rapid quenching below a temperature of about 1200° F.

2,238,577

ELECTRON MICROSCOPE

Hans Boersch, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application March 26, 1940, Serial No. 326,105
In Germany February 20, 1939
5 Claims. (Cl. 250—49.5)



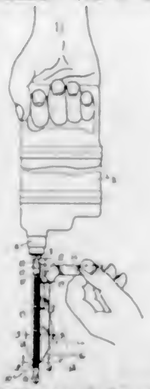
1. An electron microscope comprising means for supporting an object to be investigated, an image-reproducing surface materially spaced from said object support, means more remote from said image-reproducing surface than said object support for projecting a parallel-ray beam of electrons toward said object support, and a discrete electron-impervious solid body of essentially point dimensions positioned between the beam-projecting means and the object support at a location extremely close to the latter element, the said solid body being arranged in the path of the said electron beam so as to produce a divergent scattering of the rays of the beam which impinge on the body.

2,238,578

AUGER SAW

Axel H. Burkeman, Minneapolis, Minn.

Application March 6, 1940, Serial No. 322,526
7 Claims. (Cl. 7—1)



1. In a tool of the kind described, an auger shaft provided at one end with a boring bit and with a body portion having radially projecting cutting teeth, a handle having a bearing in which the upper end of said shaft is journaled, and a rudder bar pivotally connected to said handle and its free lower end having a forked bearing sidewise engageable with the lower portion of said shaft above its bit.

2,238,579

PROCESS OF PRODUCING TRANSPARENT ARTICLES

Charles A. Cabell, Washington, D. C., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill., a corporation of New York

No Drawing. Original application September 30, 1935, Serial No. 42,886. Divided and this application April 3, 1937, Serial No. 134,895
3 Claims. (Cl. 154—2)

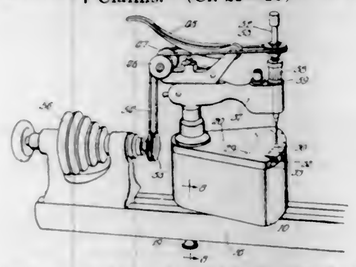
1. The method of producing a transparent reinforced glass tube which comprises placing an elongated, thin, transparent sheet of cellulose material capable of softening and swelling in water in contact with water until the same has become softened and swollen, thereupon applying said sheet while in a soft and swollen condition upon a glass tube in superimposed laminations tightly applied one upon the other to form a tube of such limited thickness as to preserve the transparency of the tube and then drying the tube so formed to cause the same to shrink upon and become permanently adhered to said glass tube, and thereafter applying additional layers of water softened and swollen transparent cellulose material by tightly winding a sheet of same on said previously formed and dried tube and again limiting the thickness thereof to preserve the transparency of the tube, and drying the additional laminations so applied.

2,238,580

STAKING TOOL

Milton C. Campbell, Elmhurst, Ill., assignor to C. & E. Marshall Company, Chicago, Ill., a corporation of Illinois

Application May 18, 1938, Serial No. 208,552
7 Claims. (Cl. 29—10)



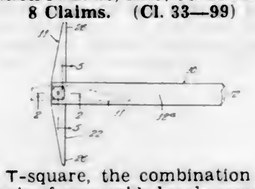
7. In a tool of the character described, a base, a die plate covering said base, said base having a threaded socket in the top thereof adjacent one end and said die plate having an opening over said socket, a post threaded in said socket and having a flange for clamping the die plate to the base, said post projecting vertically from said base, an arm mounted for horizontal swinging movement on said post, said arm having a tool guide spaced from said post, a bracket having means to clamp it onto said post over the arm, a direct pressure lever mounted on said bracket and adapted to extend over said tool guide, said tool guide comprising a sleeve loosely mounted in said arm and having a shoulder resting on top of the arm, and a micrometer adjustment sleeve screw-threaded on the first named sleeve.

2,238,581

T-SQUARE

Harold L. De Lisle, Sheboygan, Wis.

Application June 26, 1939, Serial No. 281,116
8 Claims. (Cl. 33—99)



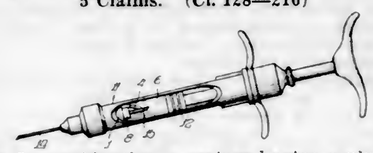
7. In a T-square, the combination of a blade having a pair of removable heads, common means for fixing the heads to the blade including a sleeve open at both ends and interiorly threaded substantially throughout its length, said sleeve having a flanged part at one end and a shank part, said flanged part being adapted to lap the blade, perforations in the blade and one of the heads receiving said shank part therethrough, a clamping screw threadedly received in the sleeve shank part from its end opposite its flanged part for clamping the head receiving the shank part therethrough to the blade, a perforation in the other head, and a second clamping screw passing therethrough and threadedly into the sleeve at its flanged end.

2,238,582

HYPODERMIC INJECTION APPARATUS, AND METHOD OF PREPARING FOR AND MAKING SUCH INJECTIONS

Cloyd C. Dickinson and Clayton F. B. Stowell, Chicago, Ill., assignors, by direct and mesne assignments, to Frank C. McCrum, Chicago, Ill.

Application April 21, 1933, Serial No. 667,236
5 Claims. (Cl. 128—216)



1. In combination, a syringe having a plunger, a cylindrical body and a hollow needle with its inner end projecting into the space within the body and its outer end projecting beyond the body, and a discardable cartridge adapted to be received within said body and when so received to constitute the cylinder and piston of the syringe, said cartridge consisting of a tube adapted to contain a solvent or carrier for a medicament, a flanged, non-metallic plug adapted to close one end of the tube and provided with an axial chamber open to the inside of the tube and adapted to contain said medicament, a closure sealed in the open side of said chamber, said closure being in position to be displaced by the inwardly projecting end of the needle as a necessary result of the act of loading the cartridge into the syringe body and thereby to combine the medicament and carrier, the opposite end of the tube being closed by an unflanged plug adapted to be displaced by the inward movement of the plunger and thereby to act as a piston for ejecting the mixture within the tube through the needle.

2,238,583

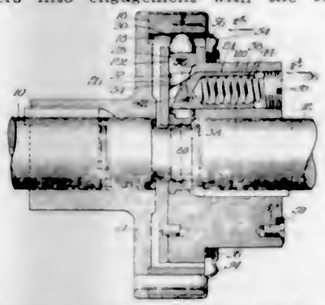
COUPLING

Adiel Y. Dodge, Rockford, Ill.

Application March 14, 1939, Serial No. 261,787
7 Claims. (Cl. 64—29)

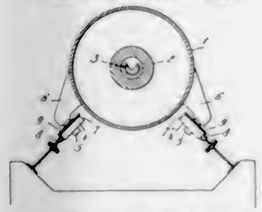
1. A torque transmitting coupling comprising

rotatable driving and driven members, coupling members movably carried by one of said members and engageable with the other to establish a driving connection therebetween, cam members carried by said one member and engaging the coupling members to urge them into driving position, and resilient means pressing the cam members into engagement with the coupling



members, said cam members having surfaces arranged at a plurality of different angles sloping in the same direction from the line of motion of the coupling member and successively engageable with the coupling members in the engaged and disengaged positions thereof to urge the coupling members into driving position with different degrees of force in said different positions.

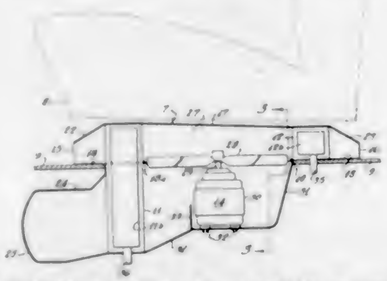
2,238,584
WHEEL MOUNTING FOR CENTRIFUGAL CASTING MACHINES
Ferdinand Faber, Amberg Oberpfalz, and Christian Ostermann, Gelsenkirchen, Germany, assignors to International De Lavaud Manufacturing Corporation, Limited, Jersey City, N. J., a corporation of Canada
Application June 3, 1939, Serial No. 277,178
In Germany June 13, 1938
4 Claims. (Cl. 22—65)



1. In a centrifugal casting machine of the type mounted upon wheels which travel upon two side rails, the improvement which comprises constructing and arranging the tread surfaces of the wheels and of the rails so that they incline from the horizontal, whereby the wheels may travel in rolling contact with the rails without frictional contact of the rims therewith, and the casting machine is substantially free of side sway.

2,238,585
AUTOMOBILE UNDERSEAT AIR CONDITIONING UNIT
Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 4, 1940, Serial No. 327,748
11 Claims. (Cl. 237—12.3)

11. An underseat unit for air-tempering the interior of an automobile having front and rear compartments and a seat therebetween spaced above the floor, comprising a casing adapted to be located in part between the seat and floor with a bottom portion below the floor provided with an end wall opening therein for reception of fresh air to said casing and having side and top walls above the floor and also end walls provided with openings for discharging air directly to said front and rear compartments, a pair of spaced heat-exchange cores adjacent said end wall openings including one of said cores having a greater air-tempering capacity than the other and extended below said floor and adjacent said end wall fresh air inlet opening therein, passage means comprising an apertured partition dividing the casing portions above and below the vehicle floor and extending through said floor communicating said fresh air inlet with the space between said cores, air impelling means between said cores for reception of fresh air forced through the lower portion of said core of greater air-tempering capacity and operable to cause partially tempered fresh air to be drawn in through said passage and discharged through said cores in separate streams to the respective compartments, and recirculated air inlet openings in the top wall of said casing so constructed and arranged that the air impelling means causes recirculated air to be blended with the fresh air supply and discharged in a combined stream therewith.

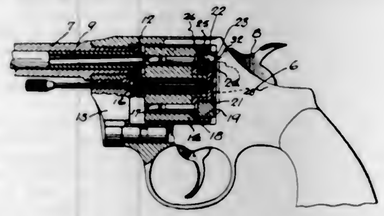


2,238,586
REMOVAL OF PHOSPHORUS FROM ORES
Charles V. Foerster, Santa Cruz, Calif.
No Drawing. Application May 13, 1940, Serial No. 334,895
6 Claims. (Cl. 75—1)

1. The process of treating iron ores containing titanium and phosphorus, which consists in subjecting the ore to leaching by means of relatively dilute acids in the presence of hydrogen peroxide, whereby phosphorus is dissolved from the ore and maintained in solution in the leaching agent.

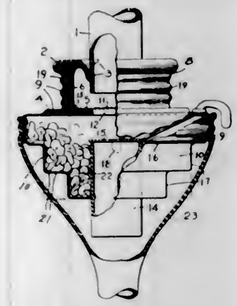
2,238,587
ATTACHMENT FOR REVOLVING FIREARMS
Alonzo F. Gaidos, Redwood City, Calif.
Application March 27, 1939, Serial No. 264,305
6 Claims. (Cl. 42—59)

1. The combination with a revolver, and a subcaliber barrel secured in the usual barrel of the revolver, of a subcaliber cylinder placed in place of the usual cylinder and having a plurality of subcaliber chambers circularly arranged to be aligned with said subcaliber barrel consecutively as the cylinder is revolved, of a separable firing end on said cylinder, an auxiliary firing mechanism in said firing end of the subcaliber cylinder, and means to hold said firing end stationary so



as to align said auxiliary firing mechanism with said barrel at all times.

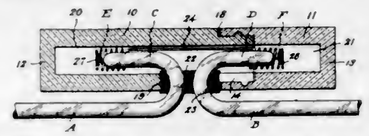
2,238,588
SOAP SPRAY
Charles H. Hagopian, New York, N. Y.
Application November 5, 1937, Serial No. 172,867
5 Claims. (Cl. 299—84)



1. In a device for delivering plain and soapy water, a soap chamber, a connecting member secured thereto having a tube or faucet connecting means at its top end and outwardly and inwardly projecting flanges at its lower end, said inwardly projecting flange terminating in an aperture, a valve tube in alignment with said aperture, a valve closing said valve tube to direct water through the soap in said soap chamber, said soap chamber having perforations in its bottom surface for spraying soapy water and a discharge tube secured to said valve tube whereby a single stream of plain water may be delivered from said valve tube.

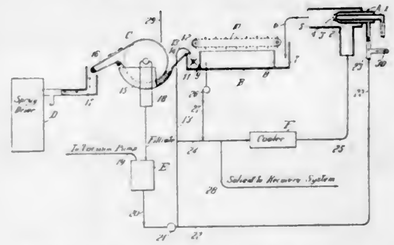
2,238,589
NEON TUBE CONNECTOR
Frederick J. Hensler, Concord, N. Y.
Application December 20, 1939, Serial No. 310,092
5 Claims. (Cl. 173—328)

4. In a connector for neon tubes having reversely bent ends provided with exposed electrode terminals, a housing of non-combustible insulation material having an opening intermediate the ends thereof for receiving the reversely bent ends of adjacent tubes, yieldable elastic gasket means surrounding the juncture of the tube ends with the tubes and engaging with the walls of the opening to seal the space between the tubes and the wall of the opening, and a conductor located within the housing and including an inextensible intermediate portion and coiled contractile opposite end portions having open inner ends and closed outer ends, said contractile end portions being telescopically disposed over the reversely bent ends of adjacent neon tubes with the ends of said tubes extending into the inner



open ends of the coiled portions and abutting against and electrically connected with the closed outer ends thereof so as to expand the coiled portions outwardly to place the same under tension to maintain the electrical connection.

2,238,590
PRECIPITATION OF ZEIN BY SPRAYING
Anthony C. Horesi, Downers Grove, Amos H. Flint, Chicago, and Lloyd C. Swallen, Pekin, Ill., assignors, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Application August 18, 1937, Serial No. 159,728
5 Claims. (Cl. 18—8)

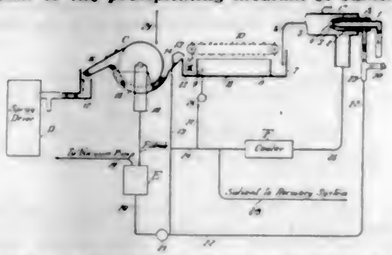


1. Apparatus for precipitating zein from its solution and recovering the zein, as a solid, in a finely divided state comprising: an inner zein solution nozzle for forming a fine stream; a conduit of much larger cross section than the nozzle into which the nozzle projects; an outer tubular nozzle surrounding said zein solution nozzle; means for causing a liquid precipitating medium to flow through said conduit in much larger volume than the flow of zein solution through the zein nozzle; means for forcing a zein solution through said zein nozzle into the liquid flowing through said conduit whereby the zein is precipitated as a loose, filamentary, liquid, permeable mass; and means for forcing a fluid through said outer nozzle to bring about turbulence promoting the dispersion of the zein in the precipitating liquid.

2,238,591
PROCESS OF PRECIPITATING ZEIN FROM ITS SOLUTION
Anthony C. Horesi, Downers Grove, Amos H. Flint, Chicago, and Lloyd Clayton Swallen, Pekin, Ill., assignors, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Application June 18, 1938, Serial No. 214,512
7 Claims. (Cl. 18—54)

1. Process of precipitating zein from its solution which comprises: projecting into a moving body of precipitating medium a stream of zein

solution surrounded by a concentric envelope stream of the precipitating medium of sufficient

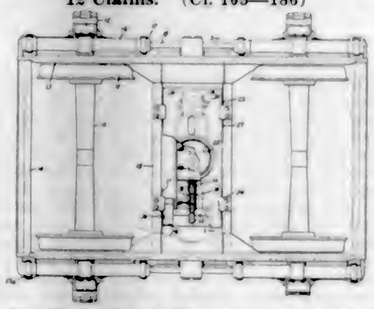


velocity and turbulence to effect dispersion of the zein in finely divided form.

2,238,592
COPPER BASE ALLOY
James M. Kelly, Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 18, 1939, Serial No. 257,145
4 Claims. (Cl. 148—32)

1. An alloy comprising from a small but effective amount up to 5% of cobalt, from a small but effective amount up to 5% of iron, from .05% up to 10% of lead, and the balance substantially all copper.

2,238,593
RAILWAY TRUCK
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 28, 1939, Serial No. 311,305
12 Claims. (Cl. 105—186)



1. A railway truck having a truck frame, a laterally movable bolster, spaced apart cam surfaces arranged between said bolster and said truck frame, and means arranged to cooperate with said cam surfaces at three places for providing substantially a three-point support for said bolster on said truck frame arranged to restrain lateral movement of said bolster with respect to said truck frame.

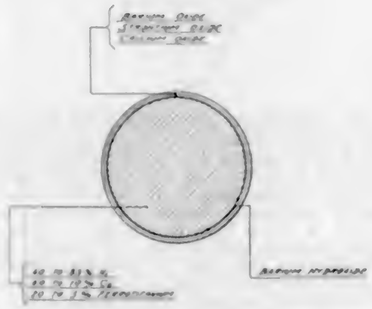
2,238,594
CATALYTIC TREATMENT OF HYDROCARBONS
Boris Malishev, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 5, 1937, Serial No. 141,004. In Great Britain May 14, 1936
8 Claims. (Cl. 260—667)

1. In the process of treating hydrocarbons in the presence of a catalyst consisting of phosphorus pentoxide catalyst to effect molecular rearrangement of the hydrocarbon molecules, the improvement which comprises carrying out the treatment in the presence of a gaseous hydride of the class consisting of normally gaseous binary compounds of hydrogen with one other element other than oxygen or a radical capable of acting as an element.

2. In the process of treating a mixture of olefins and aromatics to form alkylated aromatics wherein the mixture is treated in the presence of a catalyst consisting of phosphorus pentoxide under conditions suitable for alkylating said aromatics, the improvement which comprises activating said phosphorus pentoxide with a gaseous hydride.

4. In the process for treating hydrocarbons wherein the hydrocarbon molecules are caused to undergo molecular rearrangement, the improvement which comprises contacting said hydrocarbons with a catalyst consisting of phosphorus pentoxide and carrying out the reaction in the presence of a gaseous hydride taken from the class consisting of hydrogen halides and hydrogen sulphide.

2,238,595
OXIDE COATED CATHODE
John William McNall, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 29, 1938, Serial No. 232,312
3 Claims. (Cl. 250—27.5)

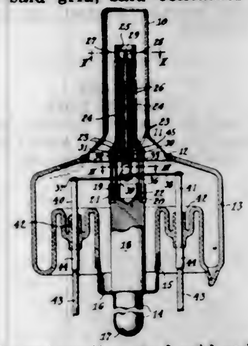


1. A cathode comprising a metallic conductive core, an intermediate layer of anhydrous barium hydroxide on said core and a surface layer of electron emissive material on said barium hydroxide.

2,238,596
ULTRA HIGH FREQUENCY TUBE
Ilia E. Mouromtseff, Montclair, and George M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1938, Serial No. 243,116
6 Claims. (Cl. 250—27.5)

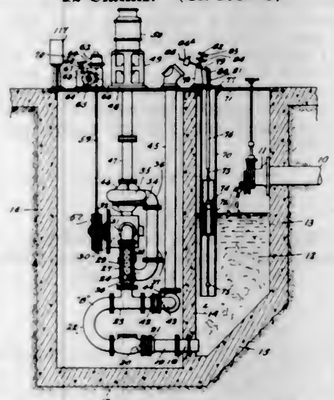
5. A discharge device comprising a container having an anode, grid and cathode, said grid being located within the interior portion of said container, a rod of high heat conductivity extending from said grid to the container wall, said rod having a diameter approximately the largest

diameter of said grid, said container having a



metal cup-shaped portion, and said rod seated in said cup-shaped portion.

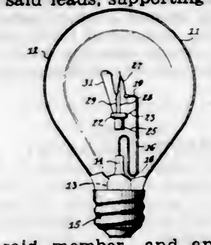
2,238,597
PUMPING APPARATUS
Alfred Charles Page, Detroit, Mich., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application August 24, 1939, Serial No. 291,646
12 Claims. (Cl. 103—3)



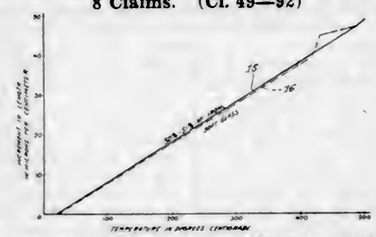
1. Pumping apparatus comprising in combination a pump having a suction side and a discharge side, two intake conduits leading from a source of liquid supply, strainers, one in each intake conduit, a discharge conduit communicating with both intake conduits, flow reversing means alternately connecting said intake conduits, through the strainers with the suction side of the pump and simultaneously connecting the discharge side of the pump, alternately, through the strainers, with the discharge conduit, and means operating to periodically actuate said flow-reversing means to thereby reverse the flow through said strainers.

2,238,598
FLEXIBLE MOUNT INCANDESCENT ELECTRIC LAMP
Arthur Lester Powell, Prince Bay, Staten Island, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 1, 1939, Serial No. 307,036
14 Claims. (Cl. 176—39)

14. A flexible mount lamp comprising a vitreous envelope provided with a pair of leads elongated for flexibility and looped back on themselves, an insulating member mounted between portions of said leads, supporting means extending from said member, and an incandescible filament with its ends connected to said leads, and an intermediate portion held on said supporting means.

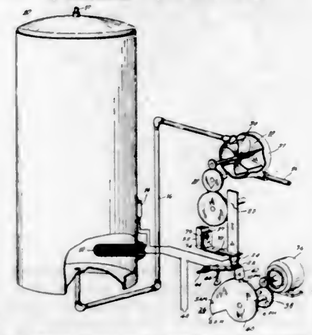


2,238,599
LEAD WIRE
John H. Ramage, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 1, 1934, Serial No. 755,550
8 Claims. (Cl. 49—92)



8. An article comprising soft glass welded to an alloy containing 50 to 51% of nickel and cobalt, the cobalt being less than 1% of the alloy, not more than 1% of other minor ingredients, and the remainder iron, said glass having a thermal expansion characteristic which substantially matches that of the alloy from room temperature at least up to the softening point of the glass.

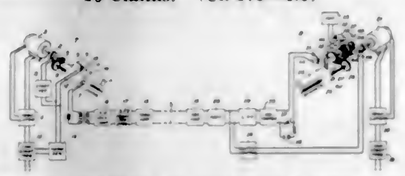
2,238,600
ELECTRIC WATER HEATER SYSTEM
Joseph H. Reifenberg, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1939, Serial No. 297,293
7 Claims. (Cl. 219—39)



1. In a fluid-heating system, the combination

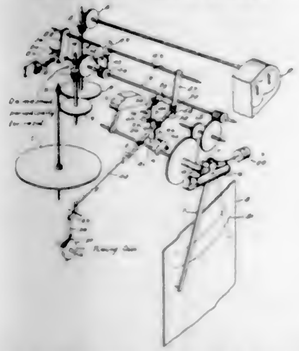
with a container for the fluid, and controllable means for imparting heat to the fluid, of first contact means movable in response to the usage of the fluid, and second contact means movable in response to the passage of time, said first and second contact means coacting with each other for rendering the heat-imparting means effective at times.

2,238,601
TELEPHOTOGRAPHY
Frederick W. Reynolds, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 26, 1939, Serial No. 301,360
16 Claims. (Cl. 178—6.6)



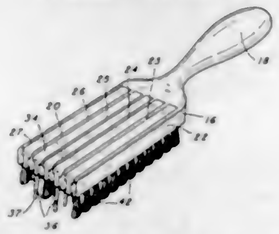
15. An apparatus for producing a matrix from and corresponding to an original picture or view which is scanned by electro-optical means to produce a current which varies in accordance with the tone values of successive elemental areas thereof, comprising a movable record blank of deformable material, an impression member reciprocated uniformly in a plane normal to the surface of said blank, means controlled by said current for varying the amplitudes of the reciprocations of said tool to cause successive unit areas of said blank to protrude in a series of lines, and means for controlling the relative motion of said blank and said tool to cause certain protruding portions produced in adjacent lines of said blank to overlap each other in both directions.

2,238,602
GRAPHIC DEMAND METER
George W. Rosenberger, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1938, Serial No. 232,622
6 Claims. (Cl. 171—34)



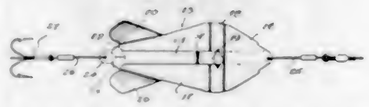
2. In an instrument, a movable element, means for actuating said element in accordance with a variable quantity to be measured including a coupling device, means for momentarily releasing said coupling device at predetermined time intervals, and means for releasing said coupling device if said movable element reaches a predetermined position.

2,238,603
COMB-BRUSH
Garland D. Runnels, Seattle, Wash.
Application March 18, 1940, Serial No. 324,494
2 Claims. (Cl. 132—85)



1. A device for the manual treatment of hair comprising a body portion provided with a plurality of alined spaced-apart guide fingers each having longitudinal dovetail ribs, an insert member disposed between each pair of guide fingers, each insert member being provided with a square sided groove along a portion of each side, said grooves each converging into a dovetail groove for the remaining portion of each side and cooperable with the dovetail ribs on the adjoining guide fingers, said dovetail groove having its maximum width equal to the width of the square-sided grooves and hair-treating means on each insert member.

2,238,604
ARTIFICIAL FISH BAIT
Wayne A. Sabin, Detroit, Mich.
Application July 14, 1938, Serial No. 219,219
14 Claims. (Cl. 43—42)

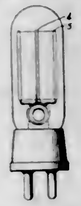


1. A fishing lure comprising a bait member formed of sheet metal and provided with a transverse portion offset to form an angle with ends of said member, said offset portion being provided with an aperture, an attachment member adapted to pass through said aperture having one end adapted to be fastened to a fishing line, a hook unit on the other end of said attachment member, and means for detachably fastening said members.

2,238,605
GAS-FILLED PHOTOTUBE
Rudolf Schade, Berlin-Charlottenburg, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application September 10, 1938, Serial No. 229,261
In Germany September 13, 1937
1 Claim. (Cl. 250—165)

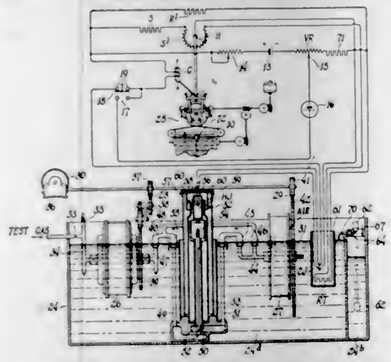
A photosensitive device comprising a container having an anode, a photosensitive cathode and a gaseous atmosphere of the order of 10 millimeters of mercury pressure, said gaseous atmosphere

comprising a main noble gas and 1/100% to 1% of another gas, said last mentioned gas having a



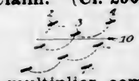
smaller ionization potential than said first mentioned noble gas.

2,238,606
CALORIMETRIC APPARATUS
Edwin X. Schmidt, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 30, 1938, Serial No. 205,259
4 Claims. (Cl. 73—190)



1. In a calorimetric device, in combination, a burner, means for continuously supplying to said burner under the same temperature, pressure and saturation conditions constant volumetrically proportioned flows of test gas and air to support combustion of said test gas, the heating value per unit volume of said test gas being subject to relatively wide variations, a potentiometer type measuring instrument, a thermo-couple having hot and cold junctions, one junction of said thermo-couple being subjected to said temperature condition, the other junction of said thermo-couple being subjected to the thermal effect of combustion of said flows of gas and air, whereby an electromotive force substantially proportional to the temperature difference between said hot and cold junctions is generated, and means including a positive temperature coefficient resistor in circuit with said thermocouple for changing the value of the current flow through the measuring portion of said calorimetric device as an inverse function of variation in value of said temperature condition, said last mentioned means being adapted to change the calibration of said calorimetric device in a manner to effect multiplication of the reading of the latter by a factor which is a function of the changes in temperature rise resulting from variations in said temperature condition, to thereby accurately compensate, over the entire measuring range of the calorimetric device, for all variations in value of said temperature condition.

2,238,607
ELECTRON MULTIPLIER
Herbert Schnitger, Berlin-Spandau, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung" Berlin, Germany, a corporation of Germany
Application January 24, 1939, Serial No. 252,553
In Germany June 8, 1938
1 Claim. (Cl. 250—175)

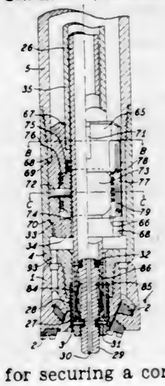


An electron multiplier comprising a cathode and an anode spaced therefrom, a plurality of grid electrodes therebetween, said grid electrodes having flat laterals inclined to the axis from the cathode to the anode and having one side facing towards the cathode and the other side facing towards the anode, and means for curving the path of electrons to strike the faces of said grid electrodes facing towards the anode.

2,238,608
METHOD OF MANUFACTURING METALLIC OXIDE RECTIFIERS
Ernst Siebert, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application August 11, 1939, Serial No. 289,578. In Germany February 7, 1938
2 Claims. (Cl. 175—366)

2. The method of manufacturing copper oxide rectifiers in which the rectifier elements, heat treated at a high temperature in an atmosphere containing oxygen to oxidize the same, are subjected, before being cooled down to room temperature, to an intermediate cooling, characterized in that the temperature in the first step of the intermediate cooling lies between 600 and 400 degrees centigrade and in the second step between 400 and 200 degrees centigrade, and further characterized in that the period of the first intermediate cooling step effected in one furnace amounts to about 10 to 50 minutes and that of the second intermediate cooling step effected in another furnace to about 5 to 25 minutes.

2,238,609
PRESSURE CORE BARREL
Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 21, 1939, Serial No. 269,168
19 Claims. (Cl. 255—72)



1. A device for securing a core from a subsur-

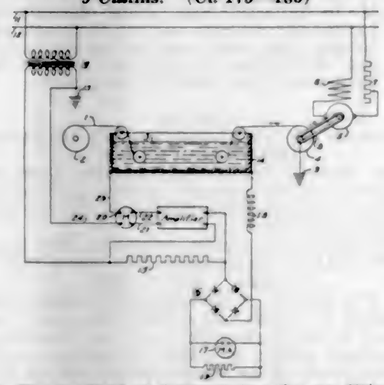
face formation comprising a casing adapted to be connected to a drill stem for rotation therewith, a core barrel carried within said casing capable of longitudinal movement relative thereto and adapted to assume a forward and a retracted position, means for normally holding said barrel in forward position, and means for releasing said last mentioned means at the beginning of the coring operation.

2,238,610

WIRE ENAMELING

Phillips Thomas, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 31, 1939, Serial No. 265,184
9 Claims. (Cl. 175—183)



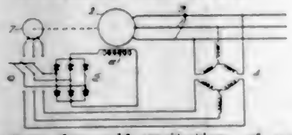
1. The method of determining the condition of an insulating coating on a continuously moving wire which comprises passing the insulated wire through an electrically conductive liquid bath, applying an alternating voltage between the wire and liquid bath which, in effect, form two plates of an electrical condenser wherein the insulating coating forms the dielectric, measuring the capacity of said condenser by measuring the current through said insulation coating, to determine the thickness of the insulation coating, furthermore to simultaneously measure the phase difference between said voltage and current to determine the degree of curing of said insulating coating, and from these two readings determining the condition of said insulating coating.

2,238,611

SELF-EXCITATION OF ALTERNATING CURRENT GENERATORS

Josef Tittel, Berlin-Lubars, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 8, 1940, Serial No. 339,457
In Germany March 4, 1939
11 Claims. (Cl. 171—119)



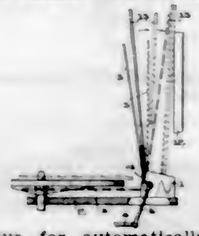
1. A system for self-excitation of an alternating current generator having a direct-current field winding comprising means energized from the generator for supplying direct current excitation to the field winding, and auxiliary means mechanically driven by the generator for supplying excitation to the field winding during the starting period.

2,238,612

APPARATUS FOR PUTTING PHONOGRAPH RECORDS IN ORDER AFTER USE

Tsurukichi Tsuchiya, Shintomi-Cho, Kyobashi-ku, Tokyo, Japan

Application February 1, 1939, Serial No. 254,043
5 Claims. (Cl. 274—1)



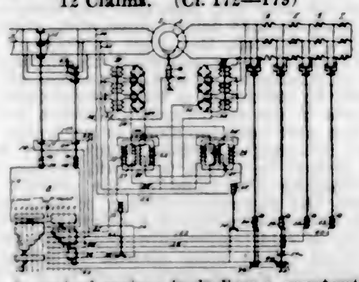
1. Apparatus for automatically transferring phonograph disk records from a turntable of a reproducing apparatus to a magazine or record storage means comprising a crescent-shaped record raising member pivoted to be swingable about an axis substantially parallel with the plane of the turntable from a position in which said record raising member at least partly surrounds said turntable below the level of the upper surface thereof to a substantially upright position and record storage means having mutually angularly disposed record supporting surface portions sloping at least in part away from the turntable for initially supporting a disk record in the angle formed between the record raising member during initial rising movement of the same and one of said record supporting surface portions sloping toward said turntable upon which the record raising member causes said record to ride, and said record storage means thereafter receiving the record upon a record supporting surface portion disposed at an angle to said sloping surface portion during the final portion of the rising movement of said record raising member.

2,238,613

WOUND MOTOR ROTOR CONTROL

William R. Wickerham, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 20, 1940, Serial No. 346,553
12 Claims. (Cl. 172—179)



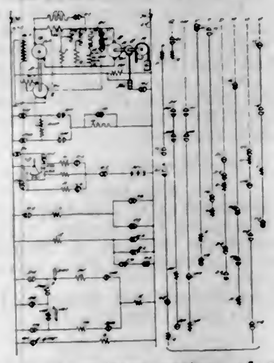
12. A control system including a constant frequency alternating current source, a constant direct current source and a variable direct current source, a saturable reactor having a three-legged core upon one of which are wound two coils, in opposition, one of which is energized by said variable direct current source and the other of which is energized by said constant direct current source, a third winding on a separate leg or having an external shunt coil connected in series therewith and energized by said alternating current source, said reactor normally operating in a saturated condition until the attainment of a predetermined value of variable direct current at which the ampere turns of the first and second coils neutralize each other, unsaturating the core and effecting operation of said external shunt.

2,238,614

ELECTRICAL CONTROL SYSTEM

Harold W. Williams, Nutley, and Danilo Santini, Tenafly, N. J., assignors to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois

Application July 20, 1940, Serial No. 346,540
11 Claims. (Cl. 172—152)



11. A variable voltage system of control for operating an elevator car, said system comprising a power generator provided with an armature and a field winding, a motor connected in a loop circuit with said armature, and a regulating generator, said regulating generator having an armature and a plurality of field windings including series field winding and a differential field winding; a pair of direction switches for causing the car to make a floor to floor run, a pair of leveling switches for causing the car to level at a floor at which it is stopped, means responsive to operation of a direction switch in moving the car for causing the series field winding and the differential field winding to have predetermined normal degrees of excitation while the car is accelerating during a floor to floor run, means responsive to operation of a direction switch to decelerate a car for causing the differential field to receive a greater than normal degree of excitation, and means responsive to operation of a leveling switch and the inactive position of the direction switches for causing the series field winding to receive a greater than normal excitation while the car is being leveled.

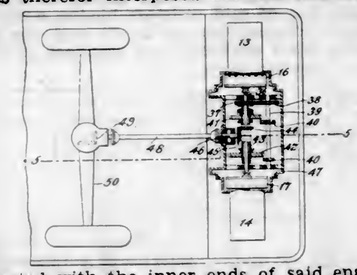
2,238,615

MOTOR VEHICLE DRIVING MECHANISM

Austin M. Wolf, Plainfield, N. J.

Original application April 9, 1936, Serial No. 73,584, which is a continuation of application Serial No. 612,057, May 18, 1932. Divided and this application August 1, 1939, Serial No. 287,704
8 Claims. (Cl. 180—54)

1. Motor vehicle driving means including a pair of engines transversely positioned in spaced apart relation in the vehicle frame and arranged in spaced relation to the differential axle drive mechanism, a variable speed transmission mechanism including a power input shaft, housing means therefor interposed between and rigidly



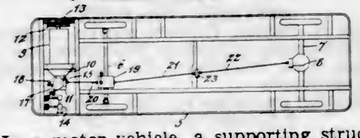
connected with the inner ends of said engines, independently operable clutches in coaxial relation with said power input shaft for selectively coupling the opposite ends of said shaft with the respective engine crank shafts, and propelling means connecting said transmission mechanism with the differential drive mechanism.

2,238,616

MOTOR VEHICLE DRIVING MECHANISM

Austin M. Wolf, Plainfield, N. J.

Original application April 9, 1936, Serial No. 73,584, which is a continuation of application Serial No. 612,057, May 18, 1932. Divided and this application August 1, 1939, Serial No. 287,705
6 Claims. (Cl. 180—54)



1. In a motor vehicle, a supporting structure, an engine mounted on said structure with its power shaft disposed at an angle relative to the center line of the vehicle, a power output shaft having driving connection with one end of said power shaft and angularly related to the axis thereof at one side of the vehicle center line, a differential drive mechanism located on the vehicle center line, and power transmitting connections between said power output shaft and differential, including a change speed transmission in alignment with the power output shaft and a propeller shaft connecting said transmission with the differential and extending diagonally of the supporting structure with respect to said engine power shaft.

2,238,617

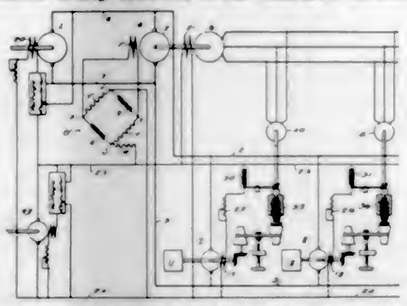
AUTOMATIC COMPENSATION FOR TEMPERATURE VARIATIONS

Rest R. Baker, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 21, 1938, Serial No. 236,212
2 Claims. (Cl. 172—239)

1. In an electric motor control system for maintaining the current in the field winding of a motor constant, in combination, a source of direct-current of constant voltage, a motor field winding, including standard electrical conductors that are readily available on the open market,

the field winding thus having conventional temperature responsive resistance characteristics, through which field winding the current is to be maintained constant regardless of variations in temperature, a pair of resistors connected in series and connected to said source of constant voltage, one of said resistors having a zero resistance temperature coefficient and the other resistor being selected from standard electrical



conductors readily available on the open market and so selected as to have temperature responsive resistance characteristics that are matched to the temperature responsive resistance characteristics of the field winding, a second pair of similar resistors connected in series and in opposite order to said source of constant voltage, and means for connecting the field winding across the series interconnections of the respective pair of resistors.

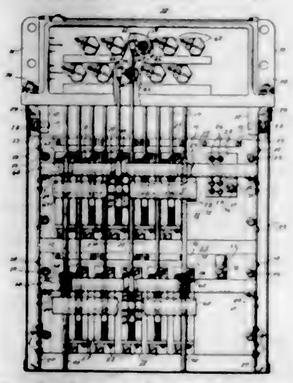
2,238,618

DISTRIBUTING PANEL

Harold G. Baxter, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 14, 1938, Serial No. 245,676

9 Claims. (Cl. 175—307)



1. A distributing panel comprising a panel unit having a plurality of circuit-controlling devices mounted thereon, a cover for supporting the panel unit, a tank removably suspended from the cover for enclosing the panel unit, vertically movable means disposed inside the tank and carried by the cover for supporting the tank in a position below the panel unit, and means disposed on the inside of the tank for engaging said vertically movable means when the tank is lowered.

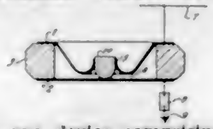
2,238,619

SPARK GAP DEVICE

William E. Berkey, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 7, 1938, Serial No. 244,420

4 Claims. (Cl. 175—30)



1. A spark gap device comprising a pair of spaced electrodes arranged to provide a gap space between them of smaller area than that of the electrodes, and a dielectric member of high dielectric constant secured in one of said electrodes outside the gap space and spaced a small distance therefrom, said dielectric member extending towards the other electrode and terminating closely adjacent thereto, and the length of said dielectric member between the electrodes being greater than that of the gap space and great enough to prevent any discharge over the dielectric member from one electrode to the other, whereby the initial breakdown of the gap always occurs in said gap space.

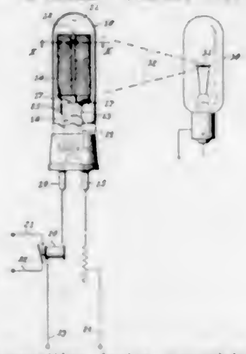
2,238,620

PHOTOSENSITIVE GLOW-RELAY TUBE

Philip W. Blackburn, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 31, 1939, Serial No. 276,627

1 Claim. (Cl. 250—165)



A photosensitive device comprising a container, an anode and a cathode therein, said cathode having caesium thereon, a gaseous atmosphere including one of the noble gases in said container, said gaseous atmosphere including caesium vapor having a pressure in excess of $\frac{1}{1000}$ micron.

2,238,621

SNAP ACTING THERMAL SWITCH

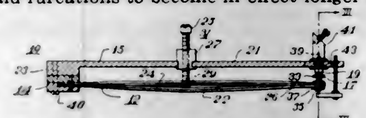
Edward Bietz, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 27, 1938, Serial No. 227,043

5 Claims. (Cl. 297—15)

1. In a circuit-controlling device, a member having a plurality of furcations of substantially equal length, a supporting structure therefor, and

means comprising said structure for cooperatively supporting the free ends of said furcations, said furcations having lines of contact near one end with said structure and being retained in unalined formation by said structure to cause one of said furcations to become in effect longer than



the others and to assume a curvature greater than that of the remaining furcations, projections of said furcations between said respective lines of contact and the other ends of the respective furcations on a plane parallel to the plane of an outer furcation being substantially equal.

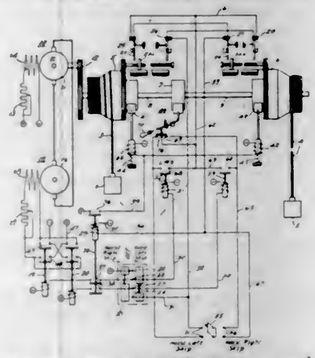
2,238,622

HOIST CONTROL

James E. Borland, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 20, 1940, Serial No. 319,873

10 Claims. (Cl. 187—29)



1. A control system including a reciprocable element, a motor for reciprocating said element within a predetermined path, a brake limit switch means which is operable when said element overtravels said predetermined path to apply said brake, back-out switch means for rendering ineffective said first-mentioned means connected in shunt relationship with said limit switch means, for releasing said brake, and for allowing application of power from said motor to said element for returning said element from its overtravelled position to a position in said predetermined path, and means dependent upon the occurrence of overtravel of said reciprocable element and the direction of power flow to said motor for making said releasing of said brake impossible in the event of application of motor power to said element which would tend to cause further overtravel instead of return to said predetermined path.

2,238,623

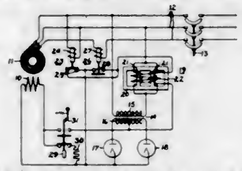
CONTROL SYSTEM

Dudley E. Chambers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 14, 1937, Serial No. 179,701

4 Claims. (Cl. 172—274)

4. In combination, a synchronous motor having an armature winding and a field winding, an alternating current supply circuit connected to energize said armature winding, rectifying means connected to energize said field winding from said alternating current circuit, a reactor interposed between said rectifying means and said alternating current circuit and comprising a core and an alternating current winding thereon connected in series relation with the input circuit of said rectifier, said reactor being adapted to provide two preselected impedance values



one of which is substantially higher than the other, and relay means responsive to an electrical condition of said armature winding for causing operation of said reactor at the higher value of said two values of impedance for all values of said electrical condition as will permit synchronous operation of said motor at said higher value of impedance and for controlling said reactor to reduce its impedance in one step to said second preselected value of impedance for all other values of said electrical condition.

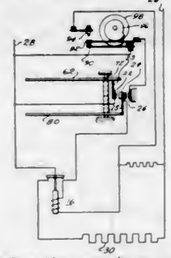
2,238,624

OFF-PEAK WATER HEATER CONTROL

Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 12, 1939, Serial No. 250,559

8 Claims. (Cl. 219—39)



3. In a fluid-heating system, a heater, means for delivering power to said heater, a device responsive to the temperature of the fluid, an elapsed-time device, said devices rotating in a common direction with an increase in the fluid temperature and the passage of time about a common axis during a preselected period of the day, and means dependent upon predetermined mutual action of said devices for controlling said power delivering means for rendering said heating means effective at the latest time preceding the end of such periods that will be effective to raise the temperature of the medium to a predetermined value at the end of said preselected period.

2,238,625

VAPOR ELECTRIC DEVICE

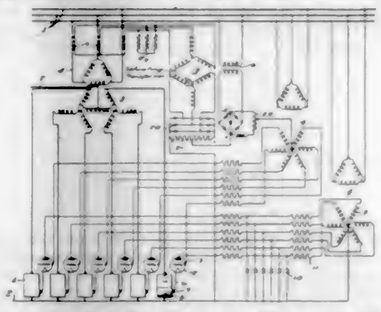
Joseph H. Cox, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 3, 1940, Serial No. 350,225

8 Claims. (Cl. 175—363)

1. An electric current conversion system com-

prising a plurality of make-alive type valves, a make-alive electrode for each of said valves, a source of make-alive energy, grid controlled auxiliary valves for applying energy from said source to the make-alive electrodes, a grid transformer for controlling the auxiliary valves, a current transformer energized by current flow



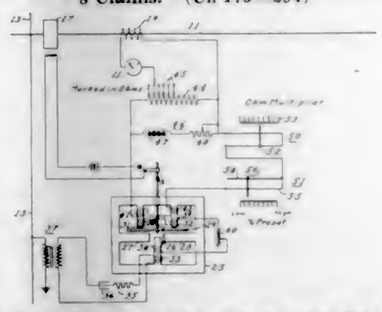
through said valves, a saturating core transformer connected to said current transformer, means for rectifying the output potential of said saturating transformer, and means for impressing the rectified output of said saturating transformer on the grids of the auxiliary valves in series with the output of the grid transformer.

2,238,626

RELAY AND RELAY PROTECTIVE SYSTEM

Leslie N. Crichton, Livingston, and George M. Barrow, Nutley, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 23, 1939, Serial No. 263,698
8 Claims. (Cl. 175—294)



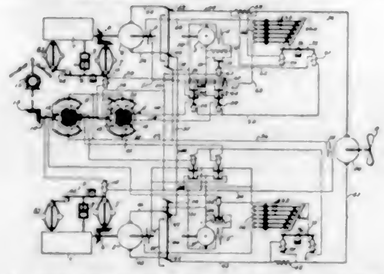
1. A protective system for an electrical distribution system comprising the combination with a load circuit provided with a circuit interrupter, of a relay of the impedance type provided with a main voltage winding to be energized according to the voltage of the circuit, an auxiliary voltage winding cooperating with the main voltage winding to establish a torque to bias the relay against operation, a current winding to be energized from and according to a portion of the current of the circuit and cooperative with the voltage winding to operate the relay, and means in circuit with the current winding for automatically modifying the resistance of that circuit and, hence, the degree of energization of the current winding, to control the operating setting of the relay, after a time interval following a change in the energization of the current winding.

2,238,627

MARINE DIESEL-ELECTRIC PROPULSION PLANT

Herman H. Curry, Montgomery County, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 26, 1939, Serial No. 301,426
10 Claims. (Cl. 290—4)



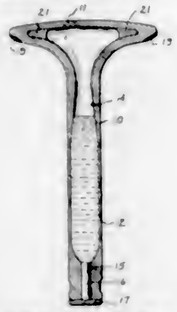
1. A marine propulsion system comprising a propeller, a propulsion motor, power means including generator and internal combustion engine means for supplying electrical energy to said motor, electrical control means which is responsive to current flow through said motor for progressively and automatically varying the ratio of field strengths of said motor and generator means, hence the speed of said internal combustion engine means in accordance with variations in power demands of said propeller and for maintaining said speed at an optimum minimum value for all values of power demand of said propeller.

2,238,628

VALVE CONSTRUCTION

Robert H. Daisley, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 10, 1939, Serial No. 272,764
4 Claims. (Cl. 123—188)



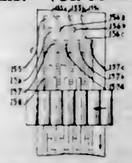
1. A hollow metal engine part adapted to operate back and forth rapidly at a normal working temperature of several hundred degrees Fahrenheit, having a closed chamber partly filled with a cooling medium liquid at the operating temperature of said part, portions of said part being subjected to unequal temperature conditions, and a cast metal of high thermal conducting properties integrally bonded to the inner walls of said closed chamber adjacent the portion of highest operating temperature whereby to increase transference of heat from said cast metal to said cooling medium by the turbulent circulation of the medium in a liquid state.

2,238,629

METHOD FOR STEREOSCOPIC SCANNING OF PICTURES

Jacob Z. Deninson, New York, N. Y.

Application April 24, 1937, Serial No. 138,767
2 Claims. (Cl. 88—16.6)



1. A method of producing stereoscopic projection of motion pictures with the use of a single film which is moved intermittently in a predetermined longitudinal direction so as to successively and intermittently project successive frames of said film, which consists in photographically printing in each frame at least two series of sub-pictures in a row which is lateral to said direction by separating continuous negatives respectively into spaced sub-pictures of less width than said negative, the respective subpictures of each series being spaced laterally from each other, each sub-picture of one series being followed by a sub-picture of the other series, with the exception of the end sub-picture of said series, said two series corresponding respectively to respective pictures of the same moving object in the same position and taken from different angles independently of the movement of said object relative to the means for taking said pictures, and laterally scanning and enlarging each series of sub-pictures in each frame while the film is stationary so as to project the respective series successively in the form of continuous projected pictures, said lateral scanning being sufficiently rapid to give the effect of persistence of vision.

2,238,630

JACKKNIFE SWITCH

Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application October 30, 1937, Serial No. 171,935
3 Claims. (Cl. 200—54)



1. In a switch, a housing, said housing having a recess therein, contacts mounted in said housing in spaced relationship to each other, an operating button disposed between said contacts and having pivots mounted in said recess, a contact pin extending transversely of said button and extending on each side thereof to engage said contacts, and a cover for said housing overlying said recess and holding said pivots in position in said recess.

2,238,631

YELLOW FOG INHIBITOR FOR PHOTOGRAPHIC MATERIAL

Fritz Dersch and Newton Heimbach, Binghamton, N. Y., assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application May 4, 1939, Serial No. 271,720
11 Claims. (Cl. 95—7)

1. A photographic material containing as a yellow fog inhibitor for silver halide emulsions an organic compound having the grouping



wherein Y is a tetravalent atom selected from the group consisting of sulfur, selenium, and tellurium and wherein the dangling valences are supplied by organic radicles.

2,238,632

YELLOW FOG INHIBITOR FOR PHOTOGRAPHIC MATERIALS

Fritz Dersch and Newton Heimbach, Binghamton, N. Y., assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 5, 1939, Serial No. 288,580
11 Claims. (Cl. 95—7)

1. A photographic material containing as a yellow fog inhibitor for silver halide emulsions an organic compound containing the grouping



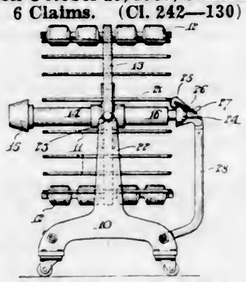
wherein Y is a pentavalent atom selected from the group consisting of phosphorus, arsenic, and antimony and wherein the dangling valences are supplied by organic radicles.

2,238,633

APPARATUS FOR HANDLING PACKAGE CARRIERS

Harry S. Drum and William C. Dodson, Abington, and William H. Jaxheimer, Philadelphia, Pa., assignors to Smith, Drum and Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 19, 1939, Serial No. 300,168
6 Claims. (Cl. 242—130)



1. In an apparatus for handling carriers for yarn packages, the combination of a carrier having a disk body, and a plurality of yarn package spindles projecting from opposite sides thereof, means for attaching an overhead hoist thereto to raise, move and lower said carrier with said spindles vertically disposed, a device for supporting said carrier, and means for rotatably and removably mounting said carrier on said device to swing about a horizontal axis, whereby said spindles can be positioned horizontally for loading and unloading and vertically for yarn dyeing.

2,238,634

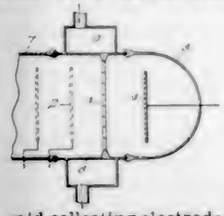
ELECTRON MULTIPLIER

Werner Flechsig, Berlin-Charlottenburg, Germany, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application April 21, 1938, Serial No. 203,418
In Germany April 23, 1937
4 Claims. (Cl. 250—166)

1. An electron tube comprising an electron

source, a plurality of secondarily-emissive electrodes and a perforated collecting electrode interspersed between two of said secondarily-emis-



sive electrodes, said collecting electrode being provided with liquid cooling means for conveying substantially all heat into space apart from said secondarily-emissive electrodes.

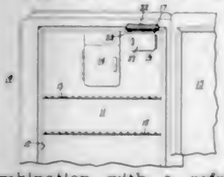
2,238,635

REFRIGERATOR CABINET

James L. Fletcher, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 13, 1938, Serial No. 245,453

8 Claims. (Cl. 62—1)



1. In combination with a refrigerator provided with walls defining a compartment and having a cooling unit associated therewith, a food storage receptacle arranged in the upper portion of said compartment and supported by a wall thereof, a substantial portion of the exterior surfaces of said receptacle presented towards said cooling unit and the interior of said compartment having a relatively high coefficient of reflection of radiant heat to impede heat transfer between said receptacle and the walls of said compartment, bodies stored in the compartment, and the cooling unit therein.

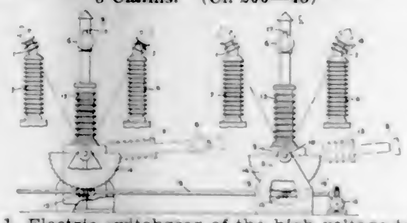
2,238,636

ELECTRIC SWITCHGEAR

Cedric Harold Flurscheim, Fleet, England, and Wilfred F. Skeats, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York

Application September 9, 1938, Serial No. 229,108

8 Claims. (Cl. 200—48)



1. Electric switchgear of the high voltage type comprising a movable circuit breaker, stationary circuit terminals cooperating therewith, a pivotal support for said circuit breaker extending along a horizontal axis and positioned adjacent to an operating floor, said circuit breaker being disposed an appreciable distance above said axis in the connected position thereof, means for counterbalancing said breaker with respect to said axis so that said breaker can be serviced at floor level in one position thereof, and coacting disconnect contacts connected respectively to terminals of said circuit breaker and said stationary circuit terminals adapted to be engaged and disengaged by pivotal movement of said breaker.

2,238,637

INSULATING OIL COMPOSITION

Peter J. Gaylor, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 18, 1938, Serial No. 225,578

3 Claims. (Cl. 260—32)

1. An improved oil composition consisting of an insulating hydrocarbon oil and a soluble condensed polynuclear hydro-aromatic compound having a molecular weight above about 200, having the property of lowering the viscosity index of the oil and lowering the gas evolution of the oil under the influence of an electric discharge.

2,238,638

LUBRICANT AND METHOD OF MANUFACTURING SAME

Anthony H. Gleason, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 23, 1937, Serial No. 181,457

14 Claims. (Cl. 252—52)

1. An improved lubricating oil comprising a viscous waxy hydrocarbon oil containing a small proportion of a polymerized oxygen-containing aliphatic compound having an oxygen atom connected only to carbon and having a chain of more than ten carbon atoms, the polymer product containing a substantial proportion of fractions with a molecular weight above about 600 and soluble in the oil.

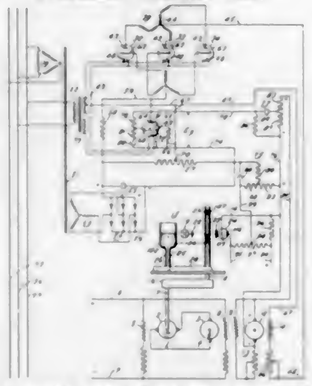
2,238,639

REGULATOR

Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application November 27, 1937, Serial No. 176,864. Divided and this application August 18, 1939, Serial No. 290,739

8 Claims. (Cl. 171—312)



1. In a speed regulating equipment, an electric motor to be regulated, and means for controlling the speed of said motor including a field winding circuit, a grid-controlled tube for controlling the current in said field winding circuit, and means for controlling the grid potential of said tube including a speed indicating device comprising a phototube, a source of illumination therefor and inertia means actuated in accordance with the speed of said motor for controlling said phototube, said inertia means comprising a liquid container mounted to revolve about an axis, a liquid in said container subject to the centrifugal force of revolution of said container.

2,238,640

POLYMERIC MATERIAL

William E. Hanford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 28, 1939, Serial No. 270,660

8 Claims. (Cl. 260—45)

1. The resinous reaction product of formaldehyde and the product obtained by reacting a polyamide-forming composition and an excess of polyamide-forming reactant of the class consisting of a diamine and a dibasic carboxylic acid in the presence of a phenol containing a carbonamide-forming group complementary to the amide-forming group contained in said polyamide-forming reactant, said polyamide-forming composition comprising reacting material selected from the class consisting of monoaminomonocarboxylic acids and mixtures of diamine with dibasic carboxylic acid.

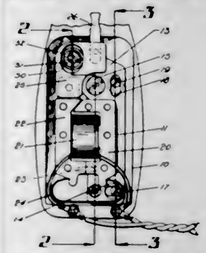
2,238,641

VIBRATORY MOTOR

John A. Hanley, Noroton, Conn., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application October 1, 1940, Serial No. 359,269

4 Claims. (Cl. 172—126)



1. A motor for dry shavers or the like, comprising a casing, a base plate adjustably secured thereto, separate eccentric connections between said plate and casing whereby the plate may be shifted in directions at an angle to each other in the casing, a laminated field core secured to the plate, a movable armature mounted thereon and having a bias gap with respect to the field core, and means carried by said plate for adjustably limiting the path of movement of said armature and the opening of said gap.

2,238,642

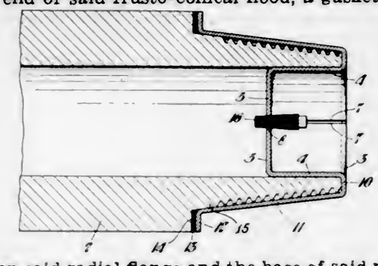
END PROTECTOR

Howard M. Hicks, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application December 22, 1939, Serial No. 310,622

1 Claim. (Cl. 138—96)

An end protector for the male element of a frusto-conical joint for a tubular article comprising, in combination, a segmental cup adapted to fit within the bore of the said tubular article, a radial flange on the outer end of said cup, a frusto-conical hood carried by said radial flange for covering said male element, a radial flange on the end of said frusto-conical hood, a gasket be-



tween said radial flange and the base of said male element, and a coniform screw-threaded plug extending through the bottom wall of said cup in screw-threaded engagement therewith whereby the segments thereof may be expanded into engagement with the bore of said tubular article.

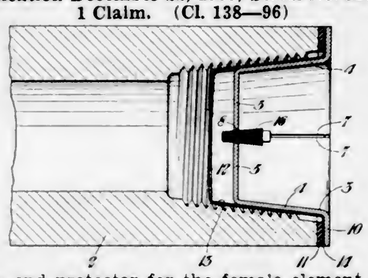
2,238,643

END PROTECTOR

Howard M. Hicks, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application December 22, 1939, Serial No. 310,623

1 Claim. (Cl. 138—96)



An end protector for the female element of a frusto-conical joint for a tubular article comprising, in combination, a frusto-conical cup arranged in segments and adapted to fit within said female element, a radial flange on the outer end of said cup, a frusto-conical cup-shaped lining for said female element, a gasket between the radial flange of said cup and the end wall of said female element, a radial flange on the outer end of said lining for disposal between said gasket and the radial flange on the outer end of said cup, and a coniform screw-threaded plug extended through the bottom wall of said cup in screw-threaded engagement therewith whereby the segments thereof may be expanded to contact with said cup-shaped lining and accordingly said female element.

2,238,644

MOTION TRANSMITTING MEANS

Pelleren Hodges, East Bridgford, England, assignor to Standard Machine Patents Co., a copartnership composed of Lancelot James Hodges, Herbert Kennewell, and Pelleren Hodges, Nottingham, England

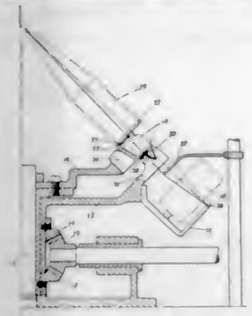
Application December 4, 1939, Serial No. 307,540

In Great Britain December 5, 1938

6 Claims. (Cl. 96—6)

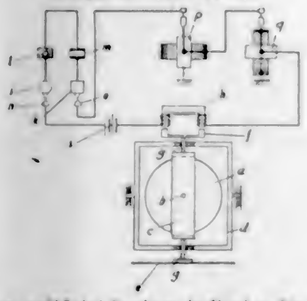
1. A braiding machine or the like, comprising means for supporting a supply of spaced strands;

a carrier for an additional strand supply; a trackway constituting the sole support of said carrier for movement transversely of said spaced strands, said track having laterally extending unobstructed openings therein through which said spaced strands may be freely moved laterally from one side of said carrier to the other; means



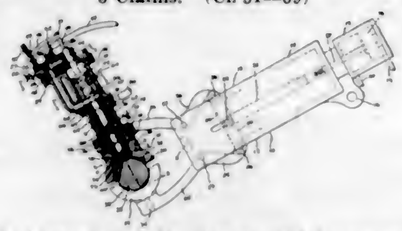
for moving said carrier on said track; and a magnetic connection between said carrier and moving means, providing a gap between the moving means and carrier for the unobstructed passage of said spaced strands between the carrier and moving means when said strands are moved inwardly of said track openings.

2,238,645
ARTIFICIAL HORIZON
Erhard Horn, Leipzig, Germany
Application January 21, 1939, Serial No. 252,229
In Germany January 22, 1938
2 Claims. (Cl. 74—5)



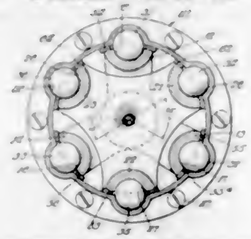
1. In an artificial horizon indicator for an aircraft, a frame, a gyro vertical mounted for spinning in said frame, shafts carried by said frame defining a normally horizontal axis, a frame pivotally mounted on a normally horizontal axis perpendicular to said first horizontal axis and rotatably supporting the shafts of the first frame, an elongated magnetizable member carried by one of said shafts to turn with said first frame, a two-pole electromagnet arranged adjacent the path of movement of the magnetizable member, an electrical source, pendulums pivoted on mutually normal axes each having contacts associated therewith adapted to be closed when the respective pendulums are in a predetermined position relatively to the aircraft, and a circuit including in series said source and the electromagnet and the contacts so as to energize said electromagnet and move said frames to positions for indicating an artificial horizon when the aircraft is in unaccelerated flight.

2,238,646
LAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 25, 1940, Serial No. 358,324
8 Claims. (Cl. 51—59)



1. Apparatus of the class described comprising an arm, a pair of toggle levers mounted on said arm, means on said arm to actuate said toggle levers, a pair of half bearings each one connected to one of said levers, a pneumatic motor connected to one of said levers, an abrasive stick in one of the half bearings, and connections between the motor and the abrasive stick to reciprocate the stick.

2,238,647
CONSTANT VELOCITY UNIVERSAL JOINT
Mathew G. Ivandick, Belvidere, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 20, 1939, Serial No. 310,095
4 Claims. (Cl. 64—21)



1. In a universal joint, a driving member comprising diverging finger-like portions having a spherical outer periphery, an embracing housing having a spherical inner periphery complementary to the outer periphery of said diverging portions, friction reducing means interposed between said diverging portions and said housing for transmitting torque therebetween, a driven member comprising diverging portions having a spherical outer periphery likewise cooperating with the spherical inner periphery of said housing and friction reducing means interposed between the diverging portions of said driven member and said housing for transmitting torque therebetween.

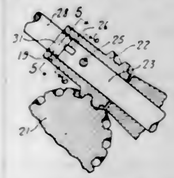
2,238,648
WINDOW
Henry Kallio, Akron, Ohio
Application January 31, 1940, Serial No. 316,662
5 Claims. (Cl. 20—53)

1. In a window structure, a stationary frame, a movable frame, each frame including spaced vertically arranged side members, the adjacent side edges of the side members of the two frames having a plurality of sloping seat forming portions thereon, such portions of one frame forming upper shoulders and those of the other frame forming lower shoulders, with the seat forming portions of one frame overlapping those of the other frame, slats extending across the frames and having their ends extending between the side members of the two frames with each slat having the upper edge of each end engaging an upper shoulder of one frame and its lower edge engaging a lower shoulder of the other frame with



the ends of the slats engaging the seats of the two frames when the frames are in contact with each other and with the upper and lower edges of the slats overlapping and means for adjusting one frame toward and away from the other frame to open and close the slats, the shoulders forming bearing means for the edges of the ends of the slats during movement of one frame relative to the other.

2,238,649
DRIVE CONNECTION
Floyd F. Kishline, Toledo, Ohio, assignor, by mesne assignments, to Reconstruction Finance Corporation, Cleveland, Ohio, a corporation of the United States
Application April 4, 1939, Serial No. 265,988
7 Claims. (Cl. 64—24)



1. Ignition driving mechanism including a driving shaft and a driven shaft; a sleeve secured to the driving shaft; a tongue and groove driving connection between said driving and driven shafts; a friction connection between said sleeve and said driven shaft including a spring having contact with said sleeve and said shaft for preventing lost motion in said tongue and groove connection.

2,238,650
CREAM SEPARATOR
Howard Albert Kisner, Fairmont, W. Va.
Application March 25, 1939, Serial No. 264,217
1 Claim. (Cl. 210—51.5)

A cream separator comprising a tubular container for insertion endwise into a bottle in upright position and having a tapering lower end forming a reduced aperture therein, a frusto-conical valve member movable upwardly and downwardly in said aperture to close and open the same, respectively, an operating rod extending from said member upwardly out of the container and having a thumb-piece on the upper end thereof for pressing the same downwardly to correspondingly move said member, a single piece strap metal frame extending upwardly from the container and comprising a pair of straight side stretches converging from opposite sides of



the container into engagement with opposite sides of said rod to form therebetween a lower guide for said rod, an upper cross stretch through which said rod is slidably extended and forming an upper guide for the rod, and a pair of upwardly arched stretches connecting said side stretches to said cross stretch upon opposite sides of the rod and forming finger grips for suspending said frame from the fingers, and spring means tensioning said rod against downward movement.

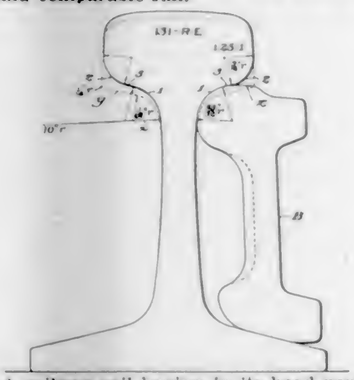
2,238,651
INHIBITION OF CORROSION
Frank G. Keenen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 21, 1937, Serial No. 143,935
3 Claims. (Cl. 23—239)

1. The method of inhibiting the corrosive effect of ammoniacal ammonium nitrate solutions upon ferrous materials, said solutions containing sufficient ammonium nitrate to be normally corrosive to ferrous materials, which comprises adding to such solutions a small quantity of thiourea, the thiourea being added in sufficient amount to substantially prevent corrosion.

2,238,652
RAILWAY RAIL
Horace L. Lansing, Rutherford, N. J., assignor to Poor & Company, New York, N. Y., a corporation of Delaware
Application March 22, 1940, Serial No. 325,439
5 Claims. (Cl. 238—125)

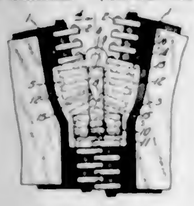
1. A railway rail having in its head portion a new interfillet relationship as compared with a standard T-rail, e. g., an A. R. E. A. standard T-rail of substantially equal cross sectional area, the said new interfillet relationship comprising head fillets and lower outer corner fillets both of greater radii than the corresponding fillets of said comparable rail, the radii of the lower outer corner fillets being not less than one-half the radii of the head fillets and not greater than the radii of the head fillets, whereby stress concentration

in the head fillets is reduced and more uniform cooling is obtained in the head fillet zone than in the said comparable rail.



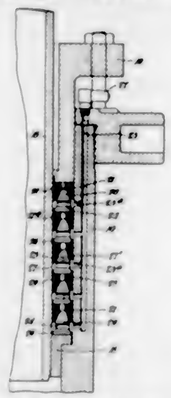
5. A railway rail having in its head portion a new interfillet relationship as compared with a standard T-rail, e. g., an A. R. E. A. standard T-rail of substantially equal cross sectional area, the said new interfillet relationship comprising head fillets and lower outer corner fillets both of greater radii than the corresponding fillets of said comparable rail, the radii of the lower outer corner fillets being not less than one-half the radii of the head fillets and not greater than the radii of the head fillets, whereby stress concentration in the head fillets is reduced and more uniform cooling in the head fillet zone of the rail is obtained than in the said comparable rail, the top of the head and the tops of the said head fillets being disposed higher above the base of the rail than the top of the head and the tops of the head fillets, respectively, of the said comparable rail, and joint bars having rounded upper inner corners substantially conforming in contour to said head fillets and having loading engagement therewith, said joint bars having a greater moment of inertia than joint bars fitting the said comparable rail.

2,238,653
SLIDE FASTENER
Egon Lustig, Prague, Czechoslovakia, assignor to A. J. Rosenstein, Avon, Conn.
Application December 6, 1938, Serial No. 244,263
9 Claims. (Cl. 24—205)



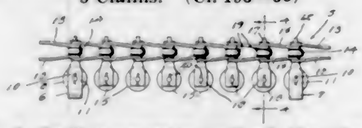
3. In a slide fastener, a slider having outer guiding means including diverging portions, stringers having cooperating fastener elements thereon guided by said guiding means and also having spaces between adjacent elements, and slider locking means for engaging and locking an element when a stringer is pulled laterally comprising a relatively inwardly and upwardly directed prolongation on one of said diverging portions and extending above the upper end of the latter and having on said prolongation an inner elongated guiding and locking surface at least as long as the space between said elements and conforming generally to the normal path of the outer ends of adjacent elements in the top of the slider, the diverging portion carrying said prolongation being concave and said elongated surface likewise being concave and merging into and substantially continuing the curvature of said diverging portions.

2,238,654
SWIVEL
August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application February 27, 1940, Serial No. 321,117
8 Claims. (Cl. 285—97.1)



1. In a swivel, the combination of a stationary water tube; a revolving body; a flexible self-sealing ring mounted in said body; a spacer supporting said ring and preventing its compression, and lubricating means for providing a film of lubrication between the revolving ring and stationary water tube.

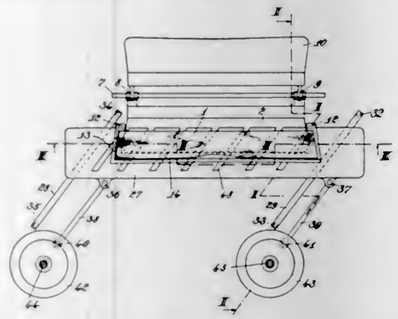
2,238,655
CONVEYER
Clyde W. McAdams, Tampa, Fla.
Application February 26, 1940, Serial No. 320,924
3 Claims. (Cl. 193—35)



1. A flexible conveyer unit of the character described, comprising, hangers at each end of said unit, each hanger comprising a cross bar having upwardly turned ends, a conveyer roll mounted in each of said hangers, the upper portion of said hanger ends forming a shaft for mounting superposed links thereon, guard rollers mounted on said ends between said links, a series of spaced conveyer rolls disposed between said end hangers, and means for flexibly mounting said latter conveyer rolls.

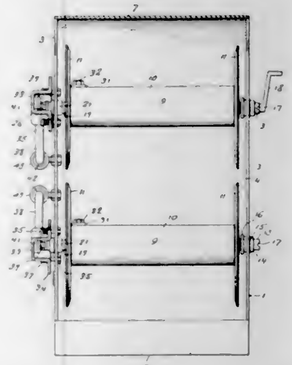
2,238,656
DEVICE FOR AUTOMATIC LEVELING UP OF PIECES OF MATERIAL
Ernst Melzer, Berlin-Lichterfelde, Herbert Siegmund, Herford in Westphalia, and Georg Kalep, Berlin-Lichterfelde, Germany
Application June 6, 1939, Serial No. 277,743
In Germany October 21, 1937
7 Claims. (Cl. 271—87)

1. A device for the automatic leveling up of pieces of material, comprising a table inclined to the horizontal along two contiguous edges, abutment rails extending along the two lower contiguous edges of the table and gripper arrange-



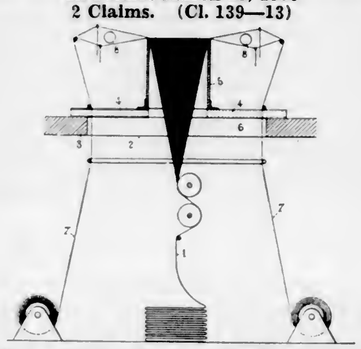
ments for depositing the pieces of material on the table, whereby the pieces of material can come with two contiguous edges against the abutment rails, clamping means for holding the pieces of material on the table.

2,238,657
REEL
Louis H. Peeples, Kamay, Tex.
Application August 3, 1940, Serial No. 350,817
3 Claims. (Cl. 191—12.2)



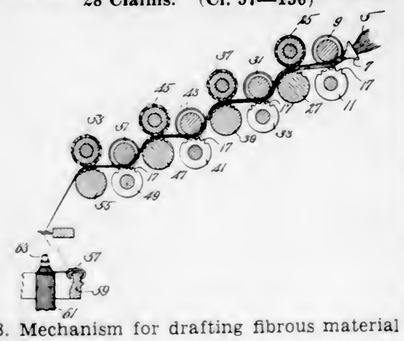
1. In a reel a housing, a spool in said housing comprising a cylinder closed at one end, a cylindrical trunnion extending from said end of the cylinder and journalled in said one wall of the housing, a conductor bolt journalled in said trunnion and insulated therefrom, said bolt having an inner end extending into said cylinder and an outer head end extending outwardly from said trunnion, a radial sleeve of insulation in said cylinder fixed in the circumferential part thereof, a conductor post fixed in said sleeve and having an inner end threaded onto the inner end of said bolt-like conductor, whereby said bolt is rotated by said cylinder, means on the outer end of said post for attaching an electric cable thereto to be wound on said cylinder, and means on said wall for maintaining an electrical connection between an electrical lead cable and the head of the bolt during rotation of the latter.

2,238,658
CIRCULAR WEAVING LOOM
Henri Pelcé, Paris, and Armand Bés and Arthur Tizzoni, Yongpre-les-Corps-Saints, France, assignors to Société Anonyme Saint Freres and Société à Responsabilité Limitée: Etablissements Rotatiss, Paris, France
Application March 10, 1939, Serial No. 261,076
In France March 15, 1938
2 Claims. (Cl. 139—13)



1. In a circular weaving loom, the combination of means for effecting the exchange of the warp threads on either side of a horizontal plane at right angles to the axis of the loom and for causing the warp threads to advance radially from the exterior to the interior, a device for driving the shuttles carrying the weft threads, comprising a hollow support, a driving roller placed below the shed, rotatably mounted on said hollow support and adapted to push the shuttle in front of it, a plate rotatably mounted on the frame of the loom and capable of rotating about the axis of said loom and on which said hollow support is mounted so as to be rapidly and easily removable, said hollow support containing at least one movement transmission from a vertical shaft carrying a pinion meshing with a toothed crown wheel rigid with the frame of the loom and concentric with the axis of the loom, and a horizontal shaft externally carrying said driving roller and receiving its movement of rotation from said vertical shaft by transmission pinions.

2,238,659
FIBER DRAWING MECHANISM AND PROCESS
William G. Reynolds, Charlotte, N. C., assignor of one-half to The Terrell Machine Company, Charlotte N. C., a corporation of North Carolina
Application July 23, 1934, Serial No. 736,460
28 Claims. (Cl. 57—156)

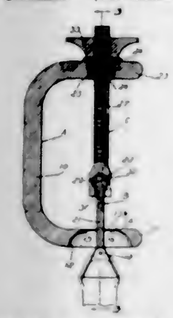


3. Mechanism for drafting fibrous material in

strand form including a roll having a groove for the reception of the fibrous material, a roll having a tongue engaging the fibrous material within the groove, and means for positively driving both rolls so that the material-engaging surface of the tongue travels at a definitely different rate than the bottom of the groove and thereby produces relative movement of the fibrous material along the groove to wipe the groove.

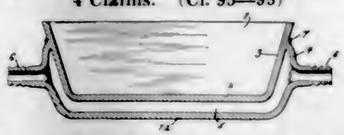
21. The method of cotton spinning consisting in first imparting flat and parallel top and bottom surfaces to a sliver, extending the sliver in a plurality of drafts by passing it between opposed rolls, condensing the strand thus formed between successive drafts, restraining the strand from vertical and transverse expansion throughout its travel between the drafting and condensing operations, and finally twisting the attenuated strand directly into finished yarn, with the steps named being performed in one continuous operation on a single machine.

2,238,660
SURGICAL INSTRUMENT
Frank J. Santora, Pittsburgh, Pa.
Application September 13, 1939, Serial No. 294,731
8 Claims. (Cl. 128—346)



1. In a surgical instrument, a body member having a pair of spaced substantially parallel arms projecting to one side thereof; one of said arms having an opening providing a clamping seat; a clamping element extending through said opening and having a portion cooperating with said clamping seat; and means cooperating with the other arm of said body member for pulling said clamping element rectilinearly in such direction as to draw the clamping portion thereof evenly toward said clamping seat, said means comprising a threaded member projecting through an aperture in the other arm of said body member; means for coupling said threaded member to said clamping element; and a nut threaded on said threaded member.

2,238,661
PHOTOGRAPHIC UTENSIL
John W. Shaeffer, New York, N. Y.
Application July 6, 1939, Serial No. 283,117
4 Claims. (Cl. 95—95)

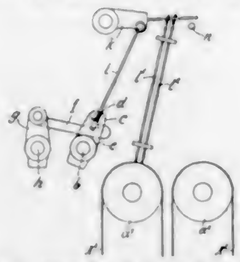


1. A portable photographic tray adapted to contain a processing solution for photographic sheets, said tray being of relatively small capacity so that it may be lifted during use, when desired, and tilted back and forth to agitate the processing solution over the face of a photographic sheet disposed therein, said tray being formed with heat conductive walls, a jacket secured to the tray and forming with at least the main wall area thereof a chamber for a heat exchange fluid adapted to maintain the processing solution in the tray at a selected temperature, a hose coupling fluid inlet port element in the jacket adapted to be connected with a flexible heat exchange fluid supply hose for admitting fluid to the chamber and a fluid outlet port element in the jacket for discharging heat exchange fluid from said chamber, the chamber being shallow and of small capacity so that manipulation of the tray by hand is not prevented by the added weight of heat exchange fluid in the chamber, the chamber being fluid tight, thereby to prevent splashing of heat exchange fluid into the processing solution in the tray and enabling heat exchange fluid to be flowed through the chamber and replenished during use of the tray at any rate and pressure necessary to maintain the processing solution at a selected temperature.

2,238,662
RECOVERY OF FLUORSPAR FROM ORES THEREOF
Nathaniel L. Shepard, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 19, 1939, Serial No. 268,784
5 Claims. (Cl. 209—166)

1. In the process of floating fluorspar values from fluorspar ore, the steps comprising creating a fluorspar-lifting froth from a pulp containing a collector including a fatty acid radical, said pulp having a pH greater than about 9, collecting and repulping said froth, acidifying said pulp to give a pH less than about 7, and creating therefrom another fluorspar-lifting froth which is substantially free from calcite.

2,238,663
SHED FORMING MACHINE
Hugo Stäubli, Zurich, Switzerland, assignor to Gebr. Stäubli & Co., Horgen, Switzerland
Application April 2, 1940, Serial No. 327,509
In Switzerland December 13, 1938
14 Claims. (Cl. 139—67)



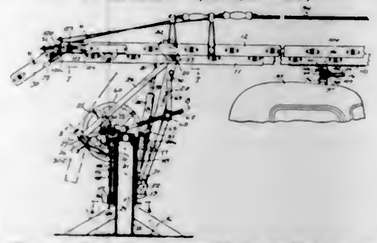
1. A shed forming machine comprising more than one pattern card of paste-board, Verdol's paper or other thin material, special controlling elements on these pattern cards, feeler members adapted to be influenced by said special controlling elements, a counting cylinder for counting the repeats, a lever mechanism inserted between said feeler members and said counting cylinder for transmitting two impulses to said counting cylinder when the feeler members are influenced by said special controlling elements.

2,238,664
HEAVY-DUTY SHEET METAL NUT
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 8, 1939, Serial No. 283,475
17 Claims. (Cl. 85—36)



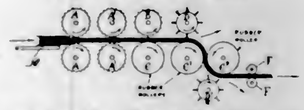
1. A structure adapted for self locking threaded engagement with a bolt or screw fastening member, said structure comprising a sheet metal basic nut portion including thread engaging means designed for threadedly engaging the fastening member and abutment means conforming generally to the thread helix of the fastening member and supporting said thread engaging means on a helix corresponding substantially to that of the thread of the fastening member for uniform threaded engagement therewith.

2,238,665
UTILITY VEHICLE
Herman J. Troche, Cleveland, Ohio, assignor to The American Coach and Body Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1939, Serial No. 305,664
10 Claims. (Cl. 228—13)



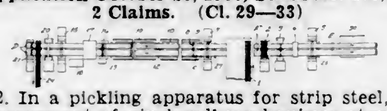
2. In combination, a vehicle, a ladder, means for mounting the ladder for swinging and tilting movement with reference to the vehicle, said means including a column rigidly mounted on the vehicle, a sleeve swiveled on the column, a member pivotally connected to the sleeve and to the ladder, and two links pivotally connected together and also pivotally connected to the ladder and sleeve respectively, means for locking the ladder to one of the links, and means for moving the member with reference to the sleeve to tilt the ladder with reference to the vehicle.

2,238,666
DEFIBRATION OF TEXTILE PLANTS
Lucio Suinaga Unzueta, Bilbao, Spain
Application November 2, 1939, Serial No. 302,617
In Spain July 20, 1938
8 Claims. (Cl. 19—24)



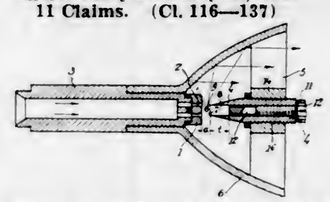
1. Apparatus for the defibration in a green state of textile plants which contain the fibers in the leaves or in the soft part of the stem, comprising fluted crushing rollers between which the fiber-containing plant portions pass in a longitudinal direction, at least two sets of de-pulping rollers, each set consisting of one roller having a resilient surface and one de-pulping roller, one de-pulping set having the de-pulping roller above the resilient roller and the other de-pulping set having the de-pulping roller below the resilient roller, and the second de-pulping set being out of alignment with the first de-pulping set so that the material under treatment undergoes a change of direction in passing from the first set to the second.

2,238,667
APPARATUS FOR TREATING STRIP STEEL
Charles Clarke Wales, Cleveland, Ohio
Application October 20, 1937, Serial No. 170,038
2 Claims. (Cl. 29—33)



2. In a pickling apparatus for strip steel, the arrangement of pinch roll mechanisms at opposite ends of the pickling tanks, cropping mechanism, a stitching mechanism, and a shearing mechanism, the latter being adapted for unstitching; wherein respective side portions of said mechanisms are operable intermittently independently of each other in a manner to effect independent feeding, cropping, stitching and unstitching of a plurality of individual strips, and, selectively, are operable unitarily and intermittently to effect such operations on a single strip which spans the two portions of each mechanism.

2,238,668
DEVICE FOR THE PRODUCTION OF SOUND VIBRATIONS OF DEFINITE FREQUENCY BY MEANS OF A PIPE OR WHISTLE
Robert Wellenstein, Bremen, Germany
Application March 17, 1939, Serial No. 262,514
In Germany February 15, 1938
11 Claims. (Cl. 116—137)



1. A device for producing sound vibrations of a predetermined frequency comprising in combination, sound producing means including movable means for varying the frequency of sound vibrations produced thereby, and means responsive to temperature variations adjacent the sound producing means for shifting said movable means to a position to maintain a predetermined frequency of said sound vibrations.

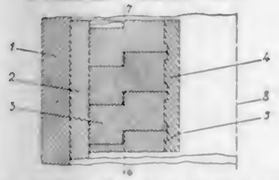
2,238,669
PREPARATION OF SILICANES
Richard H. Wiley, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 2, 1940, Serial No. 350,061
11 Claims. (Cl. 260—607)

1. Process for the preparation of organic compounds of silicon having all four valences of the

silicon attached through carbon which comprises reacting a compound of silicon which has at least one valence of the silicon attached to fluorine and in which all valences of the silicon not attached to fluorine are attached through carbon to monovalent organic radicals free from groups reactive with alkali metal alkyls with an organometallic alkali metal compound.

11. Process which comprises reacting silicon tetrafluoride with chlorobenzene and sodium.

2,238,670
GUN BARREL
Roberto Antona Traversi, Genoa, and Giovanni Pegna, Reggio Emilia, Italy, assignors of one-half to Compagnia Commerciale Caproni, Milan, Italy
Application November 12, 1937, Serial No. 174,262
In Italy November 13, 1936
4 Claims. (Cl. 89—16)



1. A gun barrel having a breech plug comprising a bored inner tube having circumferentially extending grooves on its outer surface, a plurality of contiguous annular disks hot mounted on the said inner tube and provided with inner projections fitting into the outer grooves of the tube, a tube of highly elastic material enclosing the said disks, and an outer jacket enclosing the last-named tube and carrying the plug.

2,238,671
METHOD OF TREATING WELLS
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 9, 1940, Serial No. 318,100
13 Claims. (Cl. 166—21)

1. A method of treating a well and increasing production thereof which comprises introducing into a well a readily hydrolyzable substance selected from the group consisting of the amides, esters, and salts of a lower fatty acid and the amides, esters and salts of hydroxy group-, acyloxy group-, and alkoxy group-containing lower fatty acids.

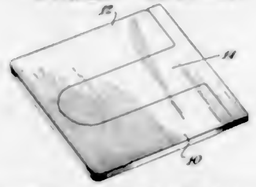
2,238,672
TEXTILE TREATMENT
Paul Arthur, Jr., and Max Theodore Goebel, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 9, 1940, Serial No. 328,766
11 Claims. (Cl. 8—128)

1. A process for reducing the tendency of a textile comprising wool to shrink which comprises treating the same with a dispersion comprising an acid-neutralizing substance and an organic compound containing at least one thiol (—SH) group attached to a carbon atom attached to three other atoms by single bonds in which compound the non-thiol portion of the molecule is selected from the class consisting of aliphatic, araliphatic and cycloaliphatic hydrocarbon radicals, aliphatic hydrocarbon radicals containing ether groups and aliphatic hydrocarbon radicals containing thioether groups.

2,238,673
PROCESS FOR THE TREATMENT OF TITANIUM CONTAINING IRON ORES
Ragnvald Asak, Vestre Aker, near Oslo, Norway, assignor to Christiania Spigerverk, Nydalen, near Oslo, Norway
No Drawing. Application March 16, 1939, Serial No. 262,303. In Norway March 26, 1938
7 Claims. (Cl. 23—24)

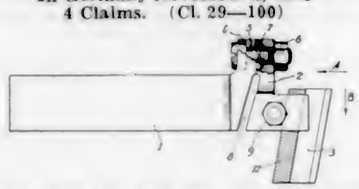
1. A process for the treatment of iron ores containing vanadium and titanium which comprises the steps of reducing the ore in the presence of an alkali compound at temperatures ranging between about 500° to 800° C., whereby the iron present is reduced to the metallic state and the vanadium is converted into alkali vanadate while the titanium remains substantially unaltered, leaching the ore to dissolve the alkali vanadate, and subjecting the insoluble residue to a separation step for separating the iron from the titanium.

2,238,674
COLOR MATCHING DEVICE
Henry W. Battle, Jr., Louisville, Ky., assignor to Devoe & Raynolds Co., Inc., a corporation of New York
Application August 15, 1939, Serial No. 290,185
3 Claims. (Cl. 88—14)



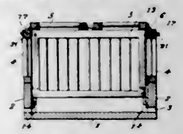
1. A device for matching colors comprising two interfitting members adapted to form a flat surface when fitted together, the surface of one member being coated with a coating composition of a standard color and the surface of the other member being uncoated but adapted to receive a coating composition whose color is to be compared with the standard color on the other member, one of the said members comprising at least two elongated, tongue-like projections extending outwardly in the same direction, said projections being separated by a notch, and the other of said members comprising an elongated, tongue-like projection corresponding to the notch of the first member and having spaces corresponding to the projections of the first member.

2,238,675
ADJUSTABLE TOOL HOLDER
Robert Breuning, Berlin, Germany
Application December 13, 1938, Serial No. 245,536
In Germany November 2, 1938
4 Claims. (Cl. 29—100)



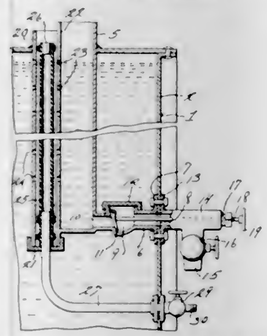
1. An adjustable tool holder comprising a shank, the front end of which is provided with an upwardly directed projection, a screw bolt attached to said projection, a head oscillatable about said screw bolt, means for clamping said head on said bolt, means for clamping a cutter to said head, and means intermediate the two clamping means to accommodate resilient deflections of said head.

2,238,676
FOLDABLE CHICKEN COOP
Charles A. Brewster, Arkansas City, Kans., assignor of one-half to Clifford D. Grant, Arkansas City, Kans.
Application August 30, 1939, Serial No. 292,707
1 Claim. (Cl. 217—47)



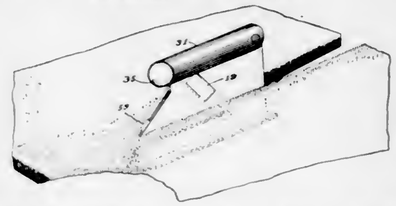
In a folding coop or container, the combination of a body provided with a bottom and fixed side pieces carried thereby, horizontal brackets fastened to the inner faces of said side pieces, each bracket provided with a socket open at its top and bottom, a vertical partition provided at opposite ends with depending tenon plates, said tenon plates normally seated in the sockets and the partition resting on said brackets to support the partition above the bottom in vertical spaced relation thereto, said partition provided with outwardly extending horizontal pins adjacent its upper end, side sections on said side pieces, each side section provided with a socket adapted to receive a companion one of said outwardly extending pins to maintain the partition upright, and top sections carried by the side sections and capable of closing down upon said partition.

2,238,677
SAMPLING MEANS
Lawrence B. Collins, Orange, and Clinton A. Langstaff, Compton, Calif.
Application January 2, 1940, Serial No. 312,136
10 Claims. (Cl. 137—18)



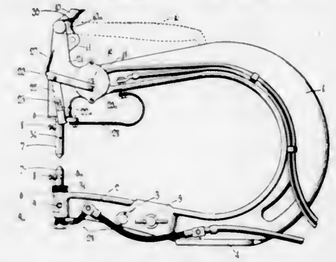
1. A sample removing means for a fluid storage tank comprising a pipe disposed vertically within the storage tank and having its upper end open and located exteriorly of the tank, a valve controlled draw-off means for the lower end of the pipe, said pipe having a plurality of fluid admission apertures extending throughout its length, a valve means designed to facilitate the simultaneous opening or closing of said apertures, said valve means comprising a tubular casing extending longitudinally of said pipe and covering and having communication with said apertures, the tubular casing having a plurality of apertures extending longitudinally thereof for the admission of fluid thereinto from the tank, an expansible body within the tubular casing which when expanded completely fills the casing and closes the apertures thereof and the apertures of the pipe, and means for effecting the expansion of said body in the casing.

2,238,678
PILE FABRIC CUTTER
Jerome E. Cook, Larchmont, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
Application March 31, 1938, Serial No. 199,191
8 Claims. (Cl. 30—294)



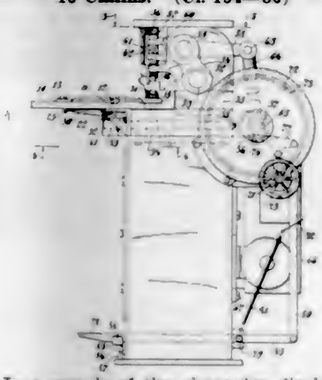
1. In a device for cutting pile fabric, the combination of a frame, a mouth opening in the frame adapted to receive the backing of the pile fabric, a blade disposed at the inner end of the mouth for cutting the backing fabric and a guide member at the outer end of the mouth adapted to guide the cut between adjacent rows of pile by ploughing its way through the pile between said rows.

2,238,679
PORTABLE SPOT WELDING APPARATUS
Edward Frank Cooper, Auckland, Auckland, New Zealand
Application August 15, 1939, Serial No. 290,298
In New Zealand August 19, 1938
3 Claims. (Cl. 219—4)



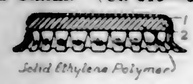
1. In electric welding apparatus, hinged frame members, an electrode carried by one frame member, a slide member movably supported on the other frame member, a second slide member movable with respect to the first slide member, a second electrode carried by the second slide member, a switch, a spring-biased lever for opening said switch, a bar connected to said lever, a catch engaging said bar for maintaining the switch closed, and means for releasing the catch from said bar when the second slide member is moved relative to the first slide member.

2,238,680
PUNCH
Charles C. Cruzan, Hyde Park, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application November 29, 1940, Serial No. 367,692
16 Claims. (Cl. 164—86)



16. In a punch of the character disclosed, the combination of a feed table, a front stop for gaging material on said table, a reciprocating punch element above said table for operating on material advanced against said front stop, a gage for one side edge of material on said table, an opposed side gage movable toward and from said first mentioned side gage, a back gage movable over the table in opposition to said front stop, a rotatable actuator connected to said movable side and back gages and mounted on a vertical axis beneath said table, a pinion carried by said actuator, a horizontal shaft in back of said feed table, a slide operated from said shaft and extending forwardly beneath said table and provided with a rack in engagement with said pinion, operating connections from said shaft to said reciprocating punch element and clutch mechanism for controlling instant stopping and starting of said shaft.

2,238,681
CONTAINER CLOSURE
George L. Dorough, Holly Oak, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 16, 1939, Serial No. 262,323
1 Claim. (Cl. 215—38)



A container closure comprising a shell having a cushion liner comprising essentially solid ethylene polymer having a molecular weight of at least 6000, melting from about 100° C. to about 200° C., and having a crystalline structure.

2,238,682
POLYMERIC REACTION PRODUCT OF AMIDES WITH MONOVINYL ACETYLENES
Harry Ben Dykstra, Wilmington, Del., and Ralph Albert Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1939, Serial No. 285,588
14 Claims. (Cl. 260—92)

1. A polymeric reaction product of an organic amide having on the amido nitrogen, at least one hydrogen atom and not more than one organic acyl group, and a member of the group consisting of monovinylacetylene and monovinylacetylenes substituted in the vinyl group.

2,238,683
HIGHWAY GUARD
Harvey F. Elliott, Cleveland, Ohio, assignor to Louis S. Wertz, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 29, 1940, Serial No. 316,098
2 Claims. (Cl. 116—114)



1. A guard for highway markings comprising a relatively thin one-piece member of elastic rubberlike material which is of substantially uniform height and thickness throughout and which is adapted to stand on edge upon a highway surface, said member having an elongated web portion and portions projecting laterally a substantial distance from opposite sides of said web portion, a series of supporting projections disposed along each longitudinal edge of said member, certain of said projections being located adjacent said web portion and other projections located on said oppositely projecting portions at substantial distances from said web portion to provide a stable support for said member when the guard stands upon either of its longitudinal edges.

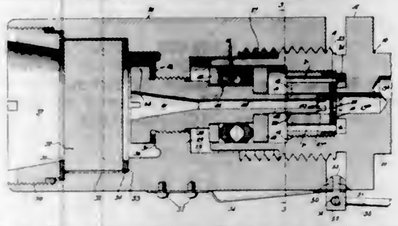
2,238,684
RESIN COMPLEX AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application June 7, 1938, Serial No. 212,303
5 Claims. (Cl. 260—42)

1. The process of making a soluble, rapid-drying resinous complex which comprises heating in aqueous medium a mixture consisting of formaldehyde and a polycarboxylic acid-polyhydric alcohol condensation product, said condensation product being the reaction product of a mixture containing substantially equivalent amounts of acidic and alcoholic reactants, adding thereto an aqueous solution of urea equivalent to 1 mole of urea to at least 2½ moles of formaldehyde, and removing the water therefrom.

2,238,685
COMPLEX RESIN COATING COMPOSITION AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application August 9, 1938, Serial No. 223,799
3 Claims. (Cl. 260—9)

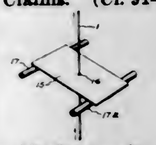
1. A resin complex soluble in organic solvents comprising a neutralized saccharide-urea-formaldehyde resin and a polyhydric alcohol-polycarboxylic acid reaction product condensed therewith in butanol solution.

2,238,686
FIRE EXTINGUISHER DISCHARGE DEVICE
Harry Ensminger, Chicago, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application November 22, 1938, Serial No. 241,867
28 Claims. (Cl. 221—73.5)



1. A fire extinguisher discharge device comprising a coupling for connecting the device to a source of supply of an extinguishing medium, a frangible valve for controlling discharge of the extinguishing medium replaceably held in said coupling, a tubular discharge head normally threadedly adjustably mounted on the coupling, and a tubular cutter mounted within the bore of the head out of contact with said valve in the normal position of the head movable with the head to rupture said frangible valve for effecting discharge of the extinguishing medium through the cutter bore and the discharge head, and sealing means operable both with the discharge head in any fixed position relative to the coupling and while the discharge head is being adjusted on the coupling for preventing leakage between the head and coupling.

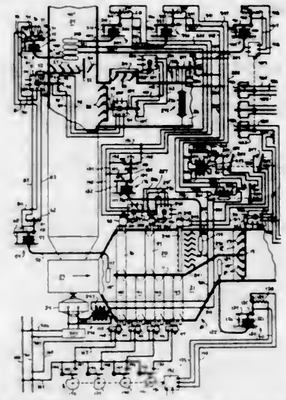
2,238,687
APPARATUS FOR COATING WIRES AND THE LIKE
Edward J. Flynn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 14, 1937, Serial No. 153,612
11 Claims. (Cl. 91—53)



9. A die assembly for use in coating elongated metallic conductors with liquid coating material, said assembly comprising a die including apertured means for uniformly reducing to predetermined thickness the coating on the conductor being coated, means slidably supporting said die for limited lateral and longitudinal movement, and restraining means for limiting said longitudinal movement.

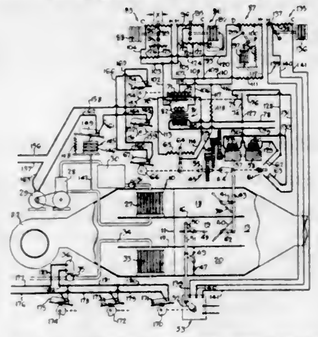
2,238,688
AIR CONDITIONING SYSTEM
George D. Guler, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 16, 1938, Serial No. 214,033
11 Claims. (Cl. 257—3)

1. In an air conditioning system for a plurality of zones, means for maintaining the temperature of a volume of air at a substantially constant predetermined value, means for maintaining the temperature of a different volume of air at a different predetermined value, means for humidifying one of said volumes of air, means responsive to the humidity of the air in said zones in control



of the humidifying means, and means responsive to the temperature of the air in each zone for controlling the relative amounts of the two volumes of air admitted to each zone.

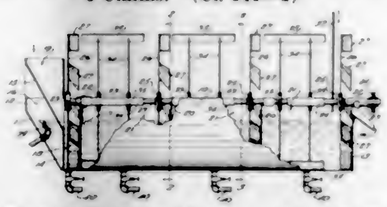
2,238,689
AIR CONDITIONING SYSTEM
James S. Locke, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 13, 1937, Serial No. 130,706
15 Claims. (Cl. 257—3)



1. In an air conditioning system, the combination of an air conditioning chamber divided into three parallel passages for conditioning air for a space, means for circulating air through the three passages and to the space to be conditioned, heating means in one of said passages, cooling means in another of said passages, the remaining passage forming a by-pass passage, damper means controlling the flow of air through the by-pass passage and the passage containing the heating means, the arrangement being such that as the flow of air through the passage containing the heating means is increased the flow of air through the by-pass passage is decreased, damper means controlling the flow of air through the by-pass passage and the passage containing the cooling means, the arrangement being such that as the flow of air through the passage containing the cooling means is increased the flow of air through the by-pass passage is decreased and means for maintaining the space temperature at desired

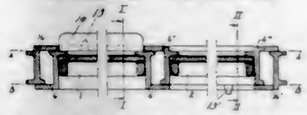
values comprising means for controlling both damper means in accordance with space temperature to properly proportion the flow of air through the passages.

2,238,690
APPARATUS FOR PURIFYING CASEIN
Hugh Parrish Fell, New York, N. Y.
Application November 6, 1939, Serial No. 303,160
6 Claims. (Cl. 141—1)



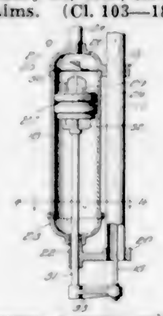
1. In a washing machine, a trough-like body, a series of partitions extending across said body to divide the body into a series of washing compartments, said body having an intake end wall and a discharge end wall, a revolvable elevating wheel adjacent the discharge end wall, other revolvable elevator wheels adjacent the partitions on the intake side thereof, each of said wheels including a series of perforated buckets having each a bottom provided with oppositely disposed sides, said buckets having open ends, the bottoms and sides at the open end of each bucket having forward edges parallel to and traversing the respective partitions during the lower portion of its revolving movement and open for the delivery of material upon movement above the partitions and discharge end wall, the bottoms of the buckets being inclined forwardly and downwardly when in positions with the forward edges of the buckets level with the upper edges of the partitions and discharge end wall, and means to rotate said wheels.

2,238,691
HORIZONTALLY SLIDING SASH WINDOW FRAME
Joseph Francotte, Merxem, near Antwerp, Belgium, assignor to Brevets Francotte pour Chassis de Fenêtres Métalliques, Société anonyme, en abrégé "Francochass," Luxemburg, Luxemburg
Application September 11, 1937, Serial No. 163,384
In Belgium October 17, 1936
10 Claims. (Cl. 189—64)



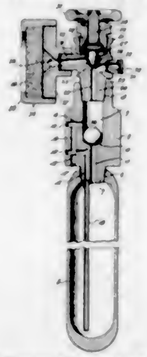
1. Horizontally sliding windows comprising at least one frame formed with uprights and horizontal members all having two abutment faces and the lower horizontal member of which comprises a horizontal web extending over the whole length of the frame, two vertical flanges, parallel to each other but arranged on different planes, one of the flanges extending from one end of the frame up to about one half of the length thereof and the other flange extending from the other end of the frame also up to one half of the length thereof, this horizontal member comprising, moreover, two longitudinal ribs located at the underside of the web, the window comprising, moreover, at least two sashes which, in the closed position, are substantially in one and the same plane designated as closing plane, means permitting each sash to be moved from the said closing plane to sliding planes, the sliding plane of one of the sashes being at one side and the sliding plane of the other sash being at the other side of said closing plane, and guiding means for the sashes in their respective sliding planes.

2,238,692
FORCE PUMP
Howard Le Roy Gage, Stockton, Ill.
Application January 16, 1940, Serial No. 314,157
4 Claims. (Cl. 103—188)



1. In a force pump, a pump cylinder having a discharge port opening, a hollow liquid conducting piston rod extending through the bottom of the cylinder and having upwardly disposed bracket arms, a piston located in the cylinder connected to the arms, a check valve closing the passage at the top of the piston, a housing parallel to and supporting the cylinder, a connecting rod adapted to freely reciprocate within the housing, and a coupling arm connecting the piston and connecting rods together at their lower ends.

2,238,693
FIRE EXTINGUISHER
Eric Geertz, Aurora, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application May 16, 1938, Serial No. 208,296
12 Claims. (Cl. 169—31)

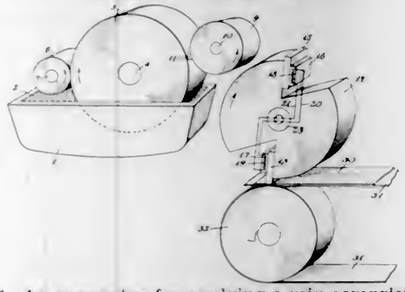


1. In a fire extinguisher, an elongated pressure container for carbon dioxide at atmospheric temperature and its corresponding vapor pressure and having a discharge opening at one end, a valve device for controlling discharge of the carbon dioxide from the container, means constructed and arranged to feed liquid carbon dioxide from the container to the valve device regardless of the position in which the container is held during use, a discharge head forming an expansion chamber opening directly to the atmosphere attached to the valve device to receive liquid carbon dioxide therefrom when said device is conditioned for fluid flow, and porous means practically filling the expansion chamber of the discharge head constructed and arranged to effect discharge of a uniformly dense cloud of low temperature carbon dioxide gas mixed with fine particles of snow at a sufficiently low velocity to avoid entrainment of air and to restrict the discharge from the container to a rate of flow sufficiently low to prevent such a drop in pressure inwardly of said discharge head expansion chamber as would result in the formation of snow.

2,238,694
POLYMERIC MATERIALS
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 15, 1939, Serial No. 273,807
13 Claims. (Cl. 18—54)

1. A process which comprises applying a solid, continuous coating to a shaped article comprising a synthetic polymer which is capable of being cold drawn with substantially permanent increase in length of said article, said coating being a substance incapable of being cold drawn with permanent increase in length to the extent to which said polymer is capable, and then cold drawing said shaped article beyond the extent to which said coating is capable of being cold drawn with permanent increase in length.

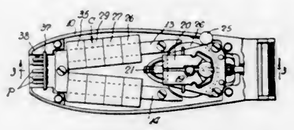
2,238,695
APPARATUS FOR APPLYING ADHESIVE TO WAX COATED PAPER
Harold E. Hallman, Catonsville, Md.
Application August 27, 1938, Serial No. 227,115
8 Claims. (Cl. 91—50)



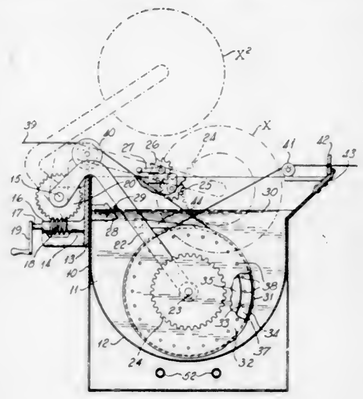
1. An apparatus for applying a mix comprising a volatile solvent and an adhesive to coated paper which comprises a tank adapted to contain a mix of volatile solvent and an adhesive, means for withdrawing the mix from the tank, a paste bar, means for heating the paste bar, means for applying said mix to said paste bar.

2,238,696
MULTIVOLTAGE MOTOR DRIVEN TOOL
John A. Hanley, Noroton, Conn., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 11, 1940, Serial No. 313,321
18 Claims. (Cl. 172—36)

1. An electrically operated tool comprising a handle casing, a multivolt motor therein, a plurality of pairs of terminals accessible at one end of the casing for selective connection for desired voltage, a coacting plug having a quick-detachable connection with said casing and including a pair of contacts adapted to mate with any of the pairs of contacts on the casing for operation on selected voltage.



2,238,697
WIRE AND STRAND SATURATING TANK
Anthony P. Hinsky, Brooklyn, N. Y., assignor to Pyro Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 9, 1939, Serial No. 278,224
20 Claims. (Cl. 91—32)

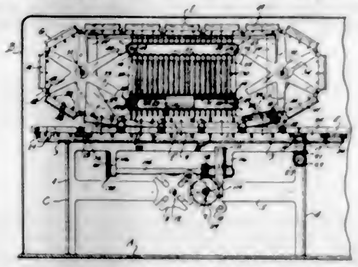


19. In a strand treatment tank of the character described, means pivotally movable at the upper edge portion of the tank and including a rotatable member movable into and out of the tank to positively support a relatively long length of a strand in a number of turns wound around said member within and completely submerged in a solution arranged in the tank, and means for actuating the first named means to move said member together with the strand supported thereon into other positions partially submerged in the tank and entirely out of the tank.

2,238,698
WAFFLE MACHINE
Henry E. Knaust, St. Louis, Mo., assignor to Vita Sales Corporation, St. Louis, Mo., a corporation of Missouri
Application October 2, 1939, Serial No. 297,530
14 Claims. (Cl. 107—4)

1. In a waffle machine, a plurality of movable waffle plates each provided with a plurality of waffle-ejecting plungers, stationary means for delivering in turn a measured quantity of batter to each of the waffle plates, means for heating

the plates for baking the contained batter, and means engageable in turn with the plunger of



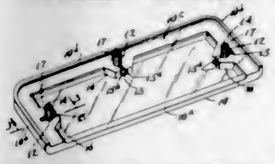
each plate along a selected portion of the path of movement of the plates for ejecting the waffle.

2,238,699

ADJUSTABLE COVER FOR FLUSH TANKS

Jacob Levine, Brooklyn, N. Y., assignor of one-half to Harold Terr, Brooklyn, N. Y.

Application May 18, 1940, Serial No. 335,883
4 Claims. (Cl. 4—68)



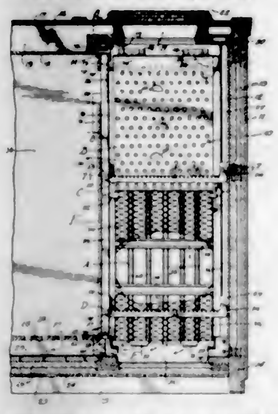
1. An adjustable cover for flush tanks, comprising a cover for flush tanks, and abutment members adjustably mounted on the bottom of said cover and adapted to extend into the top of a tank and engage the side walls thereof, and comprising bolts slidably mounted on said cover, resilient tubular bushings on said bolts, and means for locking said bolts in fixed positions.

2,238,700

CONVERTIBLE BULKHEAD FOR REFRIGERATOR CARS

John S. Lundvall, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Application February 1, 1940, Serial No. 316,708
18 Claims. (Cl. 62—19)



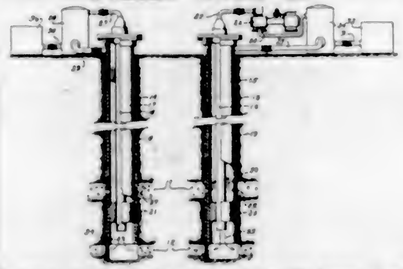
1. In a refrigerator car, a convertible ice bunker comprising a movable bulkhead, an ice grate pivotally mounted between said bulkhead and the end wall of the car, and a floor rack pivoted to one of the car walls, said floor rack forming a convection duct when swung into vertical position adjacent the car wall.

2,238,701

METHOD OF RECOVERING OIL FROM OIL AND GAS BEARING SANDS

Burton McCollum, Houston, Tex., assignor to McCollum Laboratories, Inc., a corporation of Texas

Application January 9, 1939, Serial No. 249,943
8 Claims. (Cl. 166—21)



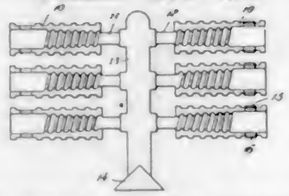
1. The method of recovering oil from a plurality of sand strata comprising the steps of producing spaced wells from separate strata, separating the gas from other well fluids at each well, and returning the gas at each well to the stratum from which production is effected at another of the wells.

2,238,702

METHOD OF MAKING AND ASSEMBLING EXPANSION SHIELDS

Roy E. McIntosh, New York, N. Y., assignor to Star Expansion Bolt Company, New York, N. Y., a corporation of Illinois

Application January 16, 1940, Serial No. 314,033
3 Claims. (Cl. 29—148)



1. The method of making expansion shields consisting of casting a group of unit portions of said shields connected together by casting sprues, assembling therewith individual, longitudinally divided portions of said shields, complementary to the unit portions of said group, said first-named portions or said complementary portions having bendable lugs thereon adapted to circumferentially embrace the other portions, pressing said lugs into holding relation and by the same pressing motion severing the sprues to form completed shields.

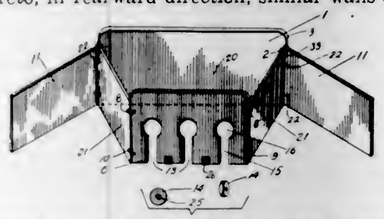
2,238,703

GAME

John K. McIver and Carrie Joy, Baltimore, Md.

Application July 25, 1939, Serial No. 286,453
1 Claim. (Cl. 273—126)

In combination with flat-sided discs having bevelled holes therethrough, of a target device having a frontal piece with vertical straight-sided keyhole type of slots adapted to permit the discs to pass through edgewise and topped with an enlarged circular portion, said slots leading from the bottom thereof and terminating at the proximate middle of the piece, a pair of vertical walls flexibly attached to the side edges of the said piece and disposed therefrom at an angle thereto, in rearward direction, similar walls con-



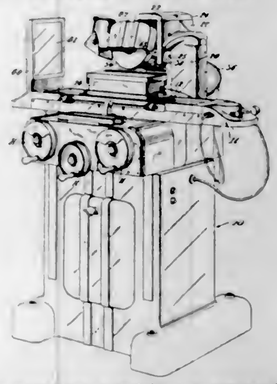
nected to the rearward side edges of the previously mentioned vertical walls and angular pointing towards the front to provide a V-like wall attachment to the frontal piece for supporting the same vertically on a horizontal surface and a background wall vertically disposed and joining the rear portions of the said walls where they meet in V-like arrangement and forming an open box-like compartment behind the frontal piece to receive the discs passing through the slots.

2,238,704

SURFACE GRINDING MACHINE

Paul V. Miller, Woonsocket, R. I., assignor to Taft-Peirce Manufacturing Company, Woonsocket, R. I., a corporation of Rhode Island

Application November 3, 1939, Serial No. 302,645
4 Claims. (Cl. 51—166)



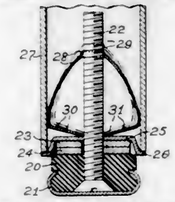
1. In a grinding machine, a support for work to be processed, an elevator column having a yoke formation at the top thereof, a spindle carrying block, spaced pairs of arcuate shaped guide members, means for securing said guide members in said yoke for limited movement relative thereto, said guide members engaging said block on the opposite sides thereof for tilting movement of the block relative to the yoke, and a spindle carried by said block and extending beyond the same over said support, the guide members of each pair having a common center whereby the block is tiltable about an axis defined by a horizontal line extending through said spindle near the end thereof over said support, said means for securing the guide members in the yoke being adjustable to lock the guide members in the yoke and to so grip said block as to lock the block in any adjusted position against movement relative to the yoke.

2,238,705

FURNITURE LEG SHOE

Robert E. Miller, Bronxville, N. Y.

Application September 20, 1939, Serial No. 295,744
5 Claims. (Cl. 16—42)



1. A furniture leg shoe comprising a floor-engaging portion provided with a shoulder serving as a seat for a furniture leg and with an abutment, a clamping member comprising a vertically elongated split loop having a pair of lateral sections diverging relatively steeply downwardly and outwardly from a bight portion and an inwardly and slightly downwardly directed arm attached to the outer end of each section, whereby said arms are nearly horizontal, said arms being shorter than said sections and having their free ends in spaced adjacency to each other, stop means for limiting inward movement of said free ends of said arms, and means for moving said bight portion towards said shoulder by movement of said floor-engaging portion, whereby, on continued movement of said bight portion, the ends of said arms will engage said abutment and said stop means and will pivot about their free ends, whereby said clamping member will be contracted vertically and expanded laterally and the outer ends of said arms will move in an arc that is substantially vertical, whereby said arms will more closely approach the horizontal and whereby when said clamping member is inserted into the end of a tubular furniture leg having a suitably dimensioned bore and so that its end seats on said shoulder, said clamping member will engage the walls of said bore because of the lateral component of movement of said arms.

2,238,706

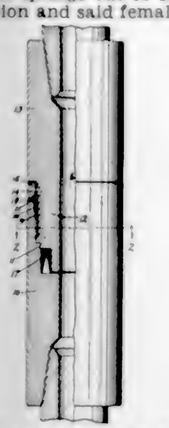
TOOL JOINT

Robert L. Ohls, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application October 12, 1939, Serial No. 299,083
3 Claims. (Cl. 285—174)

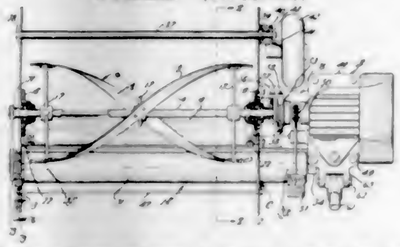
1. In a pipe coupling, a female portion and a male portion shaped to be fitted therein by non-rotary motion, a plurality of depressions in the wall of the male portion, leaf springs in the said depressions extending parallel to the longitudinal axis with their fixed ends toward the end thereof and biased outwardly, a plurality of undercut recesses in the female portion having inwardly extending shoulders, said recesses corresponding to said depressions in the wall of the male portion extending parallel to the longitudinal axis and positioned to receive the free ends of said springs, said springs and said recesses being out of the path of the fluid being conducted through said coupling, apertures in the wall of the female portion positioned for access to the recesses for

depressing said springs out of said recesses, and said male portion and said female portion having



splines on the adjacent walls adapted to interengage when the parts are together for the transmission of torque.

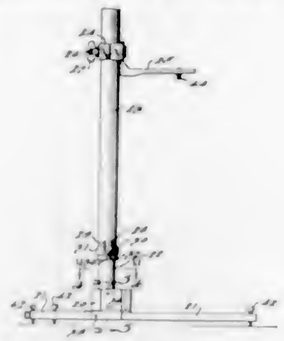
2,238,707
LAWN MOWER
Adolph Ronning, Minneapolis, Minn.
Application July 27, 1938, Serial No. 221,538
6 Claims. (Cl. 56—26)



1. In a lawn mower, a frame, a ground roller supporting the frame at the rear thereof, a ground wheel supporting the frontal portion of the frame and disposed in the path of one end of the roller, a power unit mounted on the frame behind and outwardly of the ground wheel, a grass cutting device in the frame and connected to the power unit for operation thereby, and a traction connection between the power unit and the roller, for propelling the mower over the lawn.

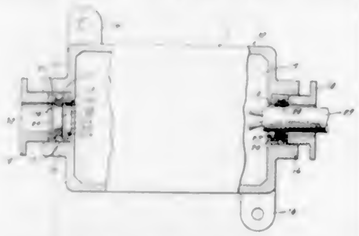
2,238,708
BASE SUPPORTING AN UPRIGHT MEMBER
Alfred R. Russell, Grosse Pointe, Mich.
Application April 26, 1940, Serial No. 331,725
3 Claims. (Cl. 248—194)

2. A base for supporting an upright member composed of three interlapping angular base members secured together and to said upright member forming a triangle, each angular base member being formed to provide in cooperation with a juxtaposed angular base member a horizontally extending downwardly disposed channel member and a vertically extending horizontally disposed channel member intersecting with each other, a horizontal pivot disposed between spaced portions of juxtaposed angular base members at the intersection of said channel members, and a leg member mounted on each pivot swingable in an arc into either a horizontal extended position or vertical folded-up



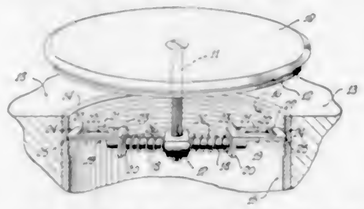
position in registry within said horizontally and vertically extending channels.

2,238,709
STUFFING GLAND BOSS
James V. Schraig, Central Valley, N. Y.
Application April 27, 1939, Serial No. 270,433
1 Claim. (Cl. 285—46)



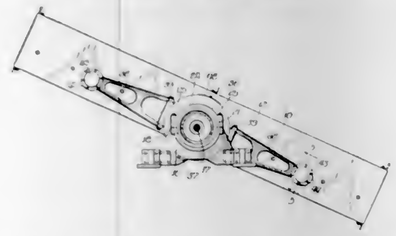
An outlet box having an exterior counterbored boss providing an interior shoulder and adapted to receive an end of a conduit, means for securing said conduit in said box comprising a pair of grommets, one of said grommets being provided with a shoulder for engagement with the shoulder in the box and an axial flange serving as a lining for the smaller portion of the bore, a distortable packing located between the grommets, and means for distorting said packing into close engagement with said conduit.

2,238,710
ADJUSTABLE COVER
Harry S. Shapiro, Chicago, Ill.
Application July 15, 1940, Serial No. 345,512
3 Claims. (Cl. 220—25)



1. In a device of the class described, a gripper for insertion in an opening having internal threading, said gripper including an elongated element having a centrally enlarged portion in which there is a transverse tapped bore, opposite projecting arm portions extending from said central enlarged portion, a rider on each arm portion including angularly disposed flange portions, one of which is apertured to slide on one of said arm portions, and the remaining flange portion of each rider extending in the direction of the corresponding arm portion, each of said remaining flange portions being provided with a thread-engaging outer end portion and with a guide slot extending in the direction of sliding movement of the rider, means projecting into the guide slots in each rider from the corresponding arm portion, spring means on said arm portions urging said riders outwardly to project the thread-engaging end portions into engagement with said threading in the pipe, said bore being adapted to receive an attaching screw for a closure for said pipe.

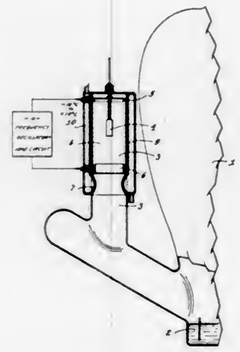
2,238,711
SCREENING APPARATUS
Lewis E. Soldan, Chicago, Ill.
Application October 18, 1934, Serial No. 748,774
Renewed June 24, 1939
6 Claims. (Cl. 209—326)



1. In apparatus of the character described, a screening frame, a screen secured thereto, pedestals at the sides of the frame for supporting the screening frame, means associated with the pedestals for vibrating the frame, and means for maintaining the frame at a predetermined angle with respect to the pedestals, said means including torque arms which extend longitudinally of the frame in opposite directions from the vibrating means and are hinged to the vibrating means on pins the axes of which are substantially perpendicular to the plane of the screen.

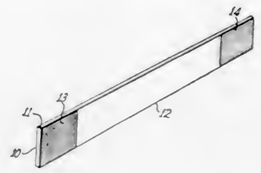
5. A high speed vibratory screen, comprising a screening frame, supports on opposite sides thereof, a driving member rotatably supported by each of said supports; said member having a hub portion journaled in the supports and an enlarged central portion provided with an inner face eccentric with respect to the hub and provided with a flanged portion extending from the central portion, a flanged eccentric sleeve supported within the eccentric face of said member, adapted to be rotated therein to adjust the throw of the screen, and having its flange in sliding engagement with the flange of said member, means to secure the flanges together, a counterbalancing weight permanently secured to the flange of the member and rotatable therewith, a separate counterbalancing weight permanently secured to the flange of the eccentric and rotatable therewith, and a tubular member extending across the frame and having each end journaled within one of the eccentric flanged members, and a shaft connecting the oppositely disposed driving members.

2,238,712
PRODUCTION OF HIGH FREQUENCY ELECTRICAL OSCILLATIONS
Hans Bertele von Grenadenberg, Berlin-Schmargendorf, Germany, assignor to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application May 31, 1940, Serial No. 338,082
In Germany January 31, 1939
5 Claims. (Cl. 250—27.5)



3. An arrangement for the production of high frequency oscillations comprising an envelope having a cathode chamber containing a liquid cathode, an anode arm connected to said cathode chamber through a restricted opening, a first electrode within said anode arm closely adjacent said restricted opening, a second electrode within said cathode chamber spaced from said first electrode, and an anode intermediate said first and second electrodes.

2,238,713
GAME
Theodore R. Waring, Scarsdale, N. Y.
Application October 21, 1939, Serial No. 300,497
2 Claims. (Cl. 273—106)

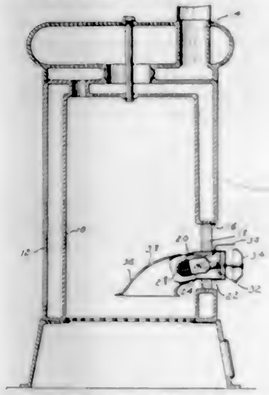


1. A game comprising a stick rectangular in cross section and having rectangular faces having a thickness between three-sixteenths and five-sixteenths inch, having a width between one and seven-eighths and two and seven-sixteenths inches and having a length between one and one-half and three feet, and the dimensions being so proportioned that when thrown flatwise into the air it may be caused to travel parallel to the ground before striking the ground, having one end differentiated from the other for purposes of scoring.

2,238,714
PURIFICATION OF ALKYL ETHERS OF CELLULOSE
Clarence Floyd Wells, Marshallton, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 25, 1936, Serial No. 92,606
2 Claims. (Cl. 260—232)

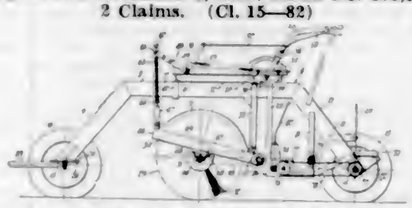
1. The process which comprises mixing 2600 parts of alkali cellulose equivalent to approximately 1000 parts of cellulose, 475 parts of caustic soda, and 1125 parts of water with 1885 parts of solid caustic, shredding until the mixture is uniform, mixing with 3480 parts of ethyl chloride, 65 parts of water, 5660 parts of benzene, stirring and heating for six to eight hours while maintaining a temperature of 150° to 160° C., adding 10 parts of Turkey red oil, adding 1000 parts of water, emulsifying the resultant, thinning the emulsion with 1000 parts of benzene and 500 parts of ethyl alcohol, running the emulsion in the form of a fine stream into vigorously agitated boiling water, maintaining the water in a boiling condition until all the emulsion is added and filtering the solid ethyl cellulose from the aqueous solution in which it has been precipitated.

2,238,715
BURNER
Franklin H. Wells and Kemper P. Brace, South Bend, Ind., assignors to International Engineering Corporation, Chicago Ill., a corporation of Illinois
Application February 2, 1938, Serial No. 188,229
7 Claims. (Cl. 158—4)



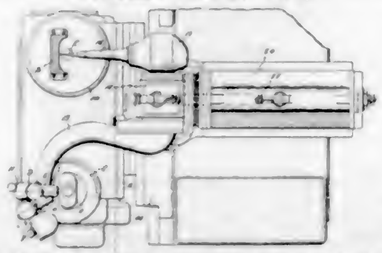
1. In combination with a furnace having a firebox and a side opening, a burner projecting through said side opening and adapted to discharge a flame substantially horizontally of the firebox, said burner comprising a porous block of refractory material having horizontal parallel air passages therethrough and opening into the firebox, and said burner having means for supplying fuel to seep through the porous structure of said block and be taken up by the air in said passages, and a deflector of refractory material having a part adjacent the discharge end of the burner for deflecting a portion of the heat of the burner to the lower part of the firebox and having a part highly heated by the flame and radiating heat back into the burner upon the face of said porous block to heat the air and fuel mixture issuing from said passages.

2,238,716
BROOM
Ira M. Wells, Oakland, Calif.
Application November 8, 1937, Serial No. 173,338
2 Claims. (Cl. 15—82)



1. In a sweeper having a wheel supported frame and a horizontally arranged cylindrical broom adjustably mounted thereon for movement about both vertical and horizontal axes, drive means connected to one of said wheels and to said broom and including as part thereof an extensible torque member providing a drive for said broom in the several adjusted positions thereof.

2,238,717
CONTROL SYSTEM FOR REPRODUCING MACHINES
Everett J. Cook, Toledo, Ohio, assignor to H. H. Buggie & Company, Toledo, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 261,606
18 Claims. (Cl. 90—13.5)



1. In apparatus for reproducing a shaded record in a work blank, a tool supported opposite the work blank, an optical system for scanning the shaded record, said optical system having means for casting light on the shaded record and having a light sensitive cell responsive to variations in shading of the record to pass an electrical current of a value depending upon the intensity of light intercepted by the cell, means controlled by the light sensitive cell to relatively move the tool and work blank toward and away from each other, and means responsive to a drop in current below a predetermined value to effect operation of the last named means to relatively move the tool and work blank away from each other.

2,238,718
INDICATING INSTRUMENT
Luis de Florez, New York, and Emmon Bach, Yonkers, N. Y., assignors, by direct and mesne assignments, to National Aviation Research Corporation, New York, N. Y., a corporation of Delaware
Application February 23, 1938, Serial No. 191,936
1 Claim. (Cl. 116—129)

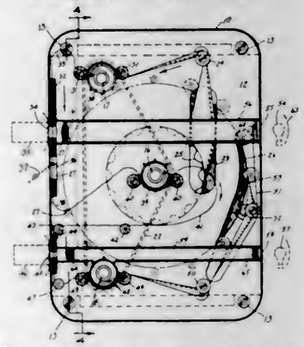
In an altimeter or instrument of like character, the combination of relatively stationary and rotatable screens disposed one in front of the other and composed of substantially radial lines

but with the lines of the two screens inclined in opposite directions and crossing in plurality of curved rows producing the effect of dark shadows traveling radially inwardly toward the center and outwardly away from the center on turning of the rotatable screen in reverse directions, instrument mechanism for effecting ro-



tation of said rotatable screen in reverse directions in accordance with conditions affecting said instrument mechanism and a window element exposing the superposed screens at that side of the center of rotation where the radial travel of said shifting shadows is in the direction of movement to afford the indication desired of the instrument.

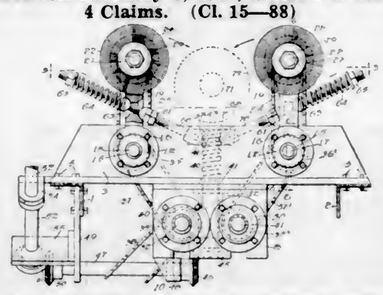
2,238,719
FILM MAGAZINE
Augustus R. de Tartas, Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application October 5, 1938, Serial No. 233,373
5 Claims. (Cl. 88—16.2)



1. A film magazine for use with a projector actuated by a beam of light, including a casing, a partition therein dividing said casing into two major compartments, means in one of said compartments for storing a roll of film having a photographic record thereon, means forming a passageway for said light beam through the second compartment, and drive sprockets in said second compartment adapted to engage said film and to draw the same from one edge of the roll, through an opening in said partition to the second compartment, across said passageway to intercept said beam of light and thence back through an opening in said partition to the other edge of said roll.

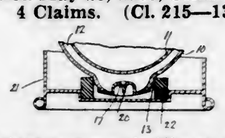
3. A self-contained film magazine unit for use with a device having a light source and reproduction apparatus actuated by a beam of light from said source for reproduction of sensible impressions from a photographic film record, said magazine unit including means forming a passageway for said light beam through said magazine, an optical system carried within said magazine and adapted to direct said beam through said passageway, means for storing an endless film record in said magazine, guide members adapted to guide said film across said passageway to intercept said beam, sprocket means engaging said film and adapted to run the same continuously from said storage means to said guide members and back to said storage means, and mechanism arranged to detachably connect said sprocket means to an external source of driving power.

2,238,720
CLEANING MACHINE
Alexander J. Duael, Lombard, and Edward C. Van Cura, Brookfield, Ill.; said Van Cura assignor to said Duael
Application February 7, 1938, Serial No. 189,154
4 Claims. (Cl. 15—88)



1. In a cleaning device for cleaning substantially cylindrical objects, a frame, a pair of arms disposed upon opposite sides of the objects being cleaned, pivot means mounting said arms on said frame, an arbor journalled in each one of said arms, cleaning means fixed upon each one of said arbors, means for driving said arbors and cleaning means, toggle means for adjusting said arms including rods extending through the arms, and spring means connecting said arms to said rods and operable to permit said arms to move to permit said brushes to follow irregularities in the contour of the object being cleaned.

2,238,721
VACUUM BOTTLE
Charles O. Duevel, Jr., Norwich, Conn., assignor to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio
Application May 28, 1938, Serial No. 210,562
4 Claims. (Cl. 215—13)

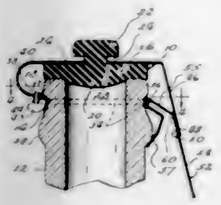


1. In a glass vacuum bottle, a vacuum bottle blank having an opening in its outer wall and a metal closure having a coefficient of expansion close to that of said wall, said metal closure having a central dome portion and an outer flange portion, said dome extending into the vacuum chamber of said bottle, said closure being secured to said wall over said opening, an orifice in said dome and means for closing said orifice.

2,238,722
BOTTLE STOPPER
Ferdinand E. Fender, Evanston, Ill., assignor to Vaughan Novelty Mfg. Co., Chicago, Ill., a corporation of Illinois
Application May 20, 1940, Serial No. 336,145
3 Claims. (Cl. 215—72)

3. A bottle closure comprising a band to en-

circle the neck of a bottle, a sealing member hinged to said band for movement to and from bottle closing position, a generally downwardly inclined latching member secured to said band in a position substantially opposite to said hinge, means resiliently to maintain the lower portion of the last said member spaced from the neck of the bottle, a finger secured to said hinged sealing



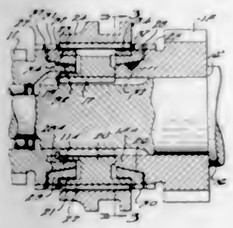
member and extending downwardly over said latching member when said sealing member is in bottle closing position, cooperating detent members on said latching member and said finger to retain said sealing member in closed position, and means on said latching member to prevent the detent on said finger from following the detent on said latching member when said latching member is pressed inwardly toward the bottle neck.

2,238,723

TRANSMISSION SYNCHRONIZING MECHANISM

Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application September 30, 1939, Serial No. 297,205
15 Claims. (Cl. 192—53)



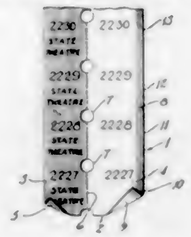
1. In a power transmitting mechanism, a first rotatable structure having external clutching teeth and a friction surface, a second rotatable structure having external teeth, a sleeve having internal teeth engaging the external teeth of said second structure and shiftable to clutchingly engage the teeth of said first structure to clutch said structures, a blocker member having a friction surface engageable with the aforesaid friction surface and blocker teeth axially between the teeth of said first and second structures, the ends of said blocker teeth engaging the ends of the teeth of said sleeve and preventing shift of said sleeve into said clutching engagement prior to approximate synchronization of said structures, said second structure having a slot therein and said blocker having a portion extending into said slot and engageable with a wall thereof for driving said blocker from said second mentioned structure while accommodating limited relative rotation therebetween, said wall having a tapered portion operable upon engagement with said blocker portion to urge said blocker friction surface into engagement with the friction surface of said first structure.

2,238,724

TICKET

Benjamin H. Freedman, Asbury Park, N. J.

Application November 13, 1939, Serial No. 303,938
15 Claims. (Cl. 283—53)



5. A theatre ticket composed of a shape retaining material and corresponding in size to a multiple of transverse areas corresponding in number to the number of patrons for which the ticket is to be issued having two straight longitudinally extending edges and two straight laterally extending edges interrupted by the bisected portions of feed pin receiving openings, and having a demarcation extending the full length only of the ticket dividing the ticket into two stub areas to define the division along which the ticket is to be torn with feed pin receiving openings intersecting the demarcation at the intersection between successive transverse areas, the ticket being weakened only along the demarcation by a prepared line to facilitate tearing the ticket along such demarcation into its respective stub areas.

2,238,725

ARTICLE DELIVERY MACHINE

Benjamin W. Fry, University City, Mo.

Application August 17, 1939, Serial No. 290,587
13 Claims. (Cl. 312—63)



1. Article delivery means comprising means for maintaining a vertical stack of articles, means for withdrawing an article from the bottom of the stack, means associated with the withdrawing means for automatically elevating the withdrawn article to an elevation substantially above the bottom of the stack, and means for discharging the elevated article at a point not substantially beneath its point of maximum elevation.

2,238,726

CONVERSION OF CARBON OXIDES INTO HIGHER HYDROCARBONS

Walter Feisst, Hans Neweling and Otto Roelen, Oberhausen-Holten, Germany, assignors, by mesne assignments, to Hydrocarbon Synthesis Corporation, Linden, N. J.

No Drawing. Application December 4, 1936, Serial No. 114,186. In Germany December 10, 1935

9 Claims. (Cl. 260—449)

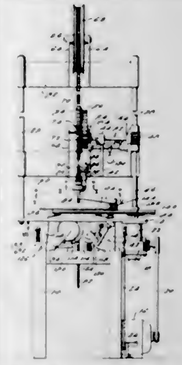
1. In the process of converting carbon oxides into higher hydrocarbons by acting thereon with gases containing free hydrogen which are practically free from other reactants, at a temperature ranging between about 180° C. and about 250° C., in the presence of a catalyst which is suitable for forming higher-molecular hydrocarbons, the step of periodically removing from the catalyst the non-volatile reaction products, which have settled on the catalyst, at a temperature not materially above the reaction temperature, each time before these reaction products have been able to impair the efficiency of the catalyst by substantially more than 5%.

2,238,727

WRAPPING MACHINE

Fred Glassford, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application April 15, 1939, Serial No. 268,150
5 Claims. (Cl. 57—18)



1. A wrapping machine having an upper pulley, a lower pulley, a continuous looped member around said pulleys, a fastening device carried by said looped member, means for driving one of said pulleys, means for disengaging the driving connection to said pulley to permit free rotation of said pulley, a rotatable member having its axis arranged tangent to said lower pulley and at right angles to the axes of said pulleys, and means for driving said rotatable member at a speed greater than the speed of said pulleys.

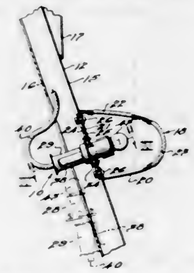
2,238,728

LIGHT FOR MOTOR VEHICLES

Newton F. Hadley, Birmingham, and George J. Huebner, Jr., Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application March 31, 1938, Serial No. 199,064
1 Claim. (Cl. 240—8.3)

In combination with an automotive body including a deck lid closure member having an opening therein, a lens supporting body at the exterior of said member extending over said opening, a light fixture assembly including a pair of socket-forming members having adjacently disposed end wall-forming portions, one of said socket-forming members having a conductor receiving opening at one end thereof and the other of said socket members having a light bulb receiving opening at one end thereof, and means clamped between said end wall-forming portions for supporting said light fixture assembly, said supporting means including a plurality



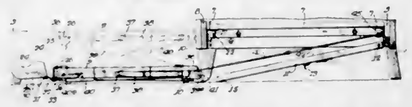
of resilient fingers extending toward said light bulb receiving opening for snap fastener engagement with the edges of the closure member surrounding the opening therein for supporting said assembly in operative position with respect to said housing, said securing means further including a resilient finger extending toward said conductor receiving opening and engageable with a support for said assembly when the latter is in non-operative position with respect to said housing.

2,238,729

STUDIO COUCH

Harry Halleran, Roselle, N. J., assignor to Simmons Company, New York, N. Y., a corporation of Delaware

Application September 3, 1938, Serial No. 228,440
7 Claims. (Cl. 5—21)



3. In a studio couch structure of the class described, the combination of a main couch section and a collapsible couch section adapted to be housed under said main couch section, said auxiliary section having a front leg structure adapted, when the auxiliary section is in housed position, to form a leg structure for said main section, and means for yieldingly maintaining said leg structure in engagement with a portion of said main structure.

6. In a studio couch of the class described, the combination of a main couch section and an auxiliary couch section adapted to be normally housed under said main section in an elevated, off-the-floor position, track means vertically adjustably mounted on said main section for supporting said auxiliary section in said off-the-floor position, said track means being adapted to be lowered to permit movement of said auxiliary section on the floor from said track means and from under said main couch section to an extended position, said track means, when so lowered, being adapted, upon return movement of said auxiliary section, to receive the same from the floor without manual elevation of the section, and

means for elevating said auxiliary section and tracks as a unit and for retaining the same so elevated.

2,238,730

MANUFACTURE OF SHEETS OR FILMS OF ARTIFICIAL MATERIAL

Otto Hauffe, Ellenburg, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application October 31, 1935, Serial No. 47,633. In Germany November 1, 1934

9 Claims. (Cl. 18—57)

6. In a process of producing sheets thinner than 0.1 mm. and having a high softening point from a powdered polymerization product selected from the group consisting of polymerized vinyl compounds, polymerized acrylic acid esters, polymerized acrylic acid nitriles, mixed polymerizates comprising a vinyl compound and mixtures of these polymeric substances, the steps which comprise temporarily lowering the softening point of said product by adding up to about 10% of a true volatile solvent to the powdered product, subjecting the still powdery mixture to a treatment on heated rollers and removing the volatile solvent from the sheet.

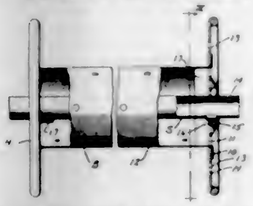
2,238,731

SPOOL

Hilyard C. Howsam, Chicago, Ill., assignor to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois

Application January 12, 1940, Serial No. 313,517

1 Claim. (Cl. 242—123)



A spool of the class described comprising a sheet metal barrel and sheet metal heads secured to the ends thereof, said heads having perforations surrounding the middle portions thereof and communicating with the inside of the barrel, a sheet metal spindle tube extending through said barrel and through said middle portions, key and slot connections between said heads and spindle tube, and brace members in the form of metal plates extending across the inside of said barrel and welded to said spindle tube in planes at right-angles to said heads to abut and to extend substantially diametrally across said middle portions and beyond said openings to form rigid backings for said middle portions to prevent deflection or distortion thereof under blows against the ends of said spindle tube.

2,238,732

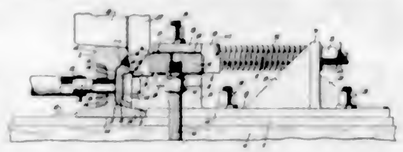
TRACK DEVICE FOR LUBRICATING WHEEL FLANGES

Albert F. Huber and John V. Houston, Chicago, Ill., assignors to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware

Application November 10, 1938, Serial No. 239,786

18 Claims. (Cl. 184—3)

1. In a track lubricator for lubricating the inner surfaces of wheel flanges, a railway track including a running rail, a series of supports distributed along the track inside said running rail, a stiff delivery bar on said supports and extending along said running rail, said delivery bar having a relatively long and narrow slot or crevice running lengthwise of the bar and disposed at a



height adapted to deliver lubricant to the wheel flanges, and devices coacting with said supports and acting substantially horizontally for yieldably urging said delivery bar toward said running rail for applying a streak of lubricant to the inside surface of said wheel flanges.

2,238,733

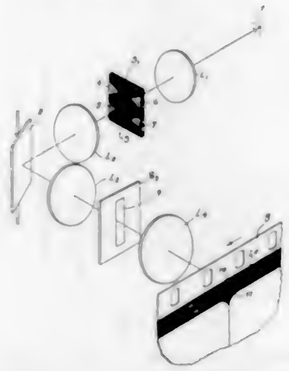
RECORDING AND REPRODUCING SOUND

Erik Waldemar Hullegård, Stockholm, Sweden, assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Application March 17, 1938, Serial No. 196,554

In Sweden March 23, 1937

4 Claims. (Cl. 274—41.6)



1. A sound record of the photophonographic type including a film having images of opposite half cycles of sound waves thereon in different colors, and an opaque background surrounding said wave images.

2,238,734

RECORDING AND REPRODUCING SOUND

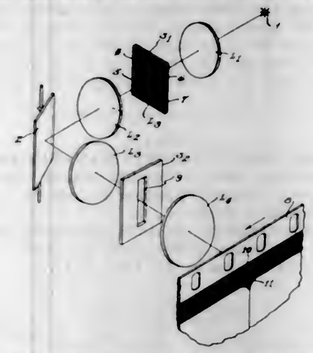
Erik Waldemar Hullegård, Stockholm, Sweden, assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Original application March 17, 1938, Serial No. 196,554. Divided and this application October 17, 1940, Serial No. 361,572. In Sweden March 23, 1937

2 Claims. (Cl. 179—100.3)

1. The sound-recording method which includes recording the positive half cycles of a sound wave in the form of spaced images, each symmetrical about a common longitudinal axis of the record

in one color, and recording the negative half cycles of said wave in the form of similar spaced



images, each symmetrical about the same common axis in another color.

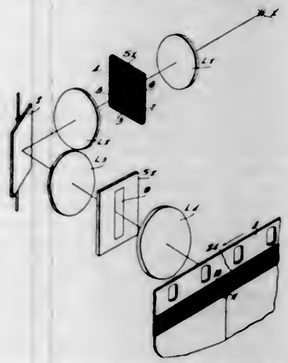
2,238,735

RECORDING AND REPRODUCING SOUND

Erik Waldemar Hullegård, Stockholm, Sweden, assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Original application March 17, 1938, Serial No. 196,554. Divided and this application October 17, 1940, Serial No. 361,573. In Sweden March 23, 1937

1 Claim. (Cl. 179—100.3)



In a sound-recording apparatus of the galvanometer-operated variable area type, an aperture plate having an opaque portion defining a pair of oppositely directed light transmitting triangular portions having oppositely located vertices pointed towards one another, and differently colored filter means interposed in said light-transmitter portions.

2,238,736

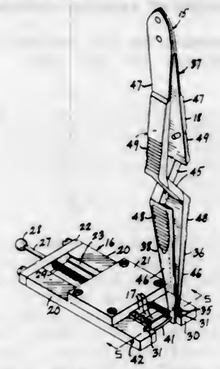
AUTOMATIC SKIN CLIP INSERTER

Lynn Humphreys and Charlcie Humphreys, Knoxville, Tenn.

Application March 13, 1940, Serial No. 323,830

7 Claims. (Cl. 1—49.1)

1. In a surgical device, a pair of tweezers having first and second relatively movable arms crossed intermediate their plying and shank end portions so that pressing the outer faces of the shank end portions will tend to open the tweezers and so that pressing the outer faces of the plying end portions will tend to close the tweezers, said tweezers being biased toward their closed position, and means secured to said first tweezer



arm for feeding skin clips, upon successive openings of the tweezers, between the plying end portions thereof.

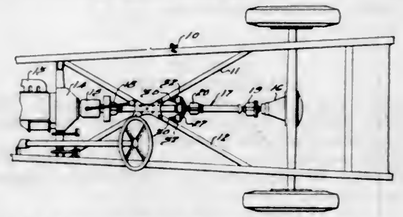
2,238,737

PROPELLER SHAFT MOUNTING

William A. Hunter, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application February 14, 1940, Serial No. 318,969

3 Claims. (Cl. 180—70)



1. In a motor vehicle including a frame having a pair of angularly disposed brace members and a rotatable propeller shaft having a plurality of universal joint connections; a bearing non-yieldably journalling said shaft at a point adjacent one of said connections, a carrier including a mid-portion having an opening therein receiving said bearing and shaft and having oppositely extending side flanges, a bracket secured to each of said brace members in registering relation with one of said side flanges, and a body of yieldable non-metallic material connecting the respective registering brackets and side flanges and accommodating relative movement therebetween, said material being so constructed and arranged as to be stressed in shear in accommodating said movement.

2,238,738

COMPOSITION FOR COATING METAL BEING FORMED

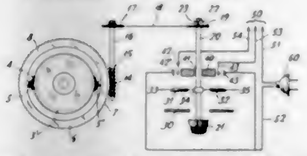
Harold R. Hurd, Independence, Mo.

No Drawing. Application July 24, 1939, Serial No. 286,155

5 Claims. (Cl. 252—18)

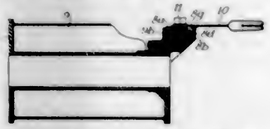
5. A composition for coating material which is to be submitted to a drawing operation in the manufacture of wire, comprising a dispersion of lime and ferrous oxide in water stabilized by means of a vegetable oil soap.

2,238,739
TUNING MECHANISM
Kenneth W. Jarvis, Norwalk, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application November 19, 1937, Serial No. 175,363
3 Claims. (Cl. 172—239)



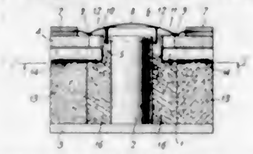
1. In control mechanism for operating the adjustable tuning element of a radio receiver, a motor and driving means interconnected between the motor and the tuning element, a pair of spaced-apart switches included in the motor energizing circuit for selectively controlling the operation of said motor and driving means in one direction or the other, additional driving means coupled to the tuning element, and a single manual control member capable of rotary and lateral movements and having rotary means in coupled relation with said additional driving means and slidable means interposed between the motor switches, the arrangement being such that rotation of the manual control member causes adjustment of the tuning element through the additional driving means and lateral movement of said control member in one direction or the other from a neutral position causes adjustment of the tuning element through the motor and the driving means connected thereto.

2,238,740
ELECTRICAL COIL
Branko Lazich, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application June 8, 1937, Serial No. 146,997. Divided and this application November 16, 1939, Serial No. 304,815
1 Claim. (Cl. 175—21)



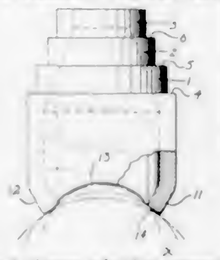
A coil for an electroresponsive device comprising a spool of insulating material one head of which is provided on its outer side with an integral lateral extension having moulded therein two metal inserts provided with screw threaded openings, a first groove formed in said one head directly above the one insert and extending from the outer side of said extension to the inner side of said one head, a second groove formed in said one head directly above the other insert and extending from the outer side of said extension to the inner side of said one head and then inwardly along the inner side of said one head to the central part of said spool, a coil wound on said spool, conducting strips disposed in said grooves and one connected with one end of said coil and the other connected with the other end of said coil and each provided with a hole which aligns with the threaded opening in the associated insert, connectors for establishing external circuit connections with said coil disposed in direct electrical contact with said strips and each provided with a hole which aligns with the hole in the associated strip and insert, and screws passing through the aligned holes in said connectors and said strips and screwed into the associated inserts, said screws serving both as a means for securing said connectors to said spool and as a means for clamping them into direct electrical contact with the associated strips.

2,238,741
ELECTRODYNAMIC TRANSDUCER
Hans Lauffer, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application January 27, 1939, Serial No. 253,097
In Germany February 22, 1938
3 Claims. (Cl. 179—115.5)



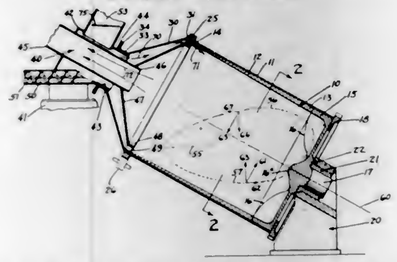
1. A dynamic sound transducer comprising an inner core member constituting the inner pole of the transducer, an outer member spaced from and surrounding the core member, a pole plate attached to the outer member and constituting the outer pole of the transducer, said plate having a central opening through which the inner core member protrudes to form therewith an air gap, a diaphragm and means for rigidly supporting its outer peripheral edge to the outer pole plate, a voice coil immersed within the air core and attached to the diaphragm at a point intermediate its axis and peripheral edge, said voice coil forming a pair of substantially confined air pockets, one between the inner surface of the voice coil, the central portion of the diaphragm and the inner core member and the other between the outer surface of the voice coil, the outer annular portion of the diaphragm and the pole plate, and means whereby said confined air pockets are caused to separately communicate with the air externally of the transducer, said last mentioned means comprising one or more apertures formed in the pole plate and a corresponding number of apertures in the outer member surrounding the core member, and a partition member arranged and disposed between each pair of corresponding apertures for preventing the interchange of the air from the respective air pockets to the space externally of the transducer.

2,238,742
CLAMP FITTING
Milton P. Laurent, Houston, Tex.
Application December 9, 1938, Serial No. 244,731
3 Claims. (Cl. 24—243)



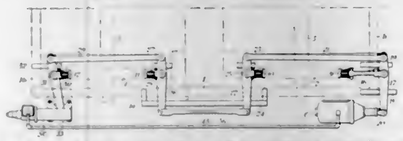
1. A tie-rod clamp adapter comprising a member having spaced substantially straight contact portions at one extremity adapted to bear against an arcuate surface along spaced lines of contact, and a part at the other extremity of circular cross section and stepped outer surface to provide shoulders and a plurality of parts of different outer diameters adapted to project into an opening of any one of a number of varying sizes and to bear against the edges of said opening.

2,238,743
BOWL MILL
Henry G. Lykken, Minneapolis, Minn.
Application May 13, 1938, Serial No. 207,859
1 Claim. (Cl. 83—9)



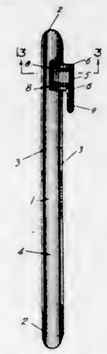
A mill for grinding and pulverizing of material introduced thereinto, and for classifying and separating of such pulverized material comprising a bowl-shaped chamber having a closed bottom and upwardly extending walls, means mounting said chamber for rotation about an inclined axis with the open side of the chamber directed upwardly, and means for supplying a fluid to the chamber and for withdrawing the fluid laden with pulverized material from the chamber, the bottom of the chamber being provided with a central upwardly extending dome-shaped protuberance and a plurality of radial vanes around and extending from said protuberance.

2,238,744
BRAKE RIGGING
Emil G. Mueller, Swissvale, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Application February 17, 1940, Serial No. 319,508
6 Claims. (Cl. 188—56)



1. A brake rigging for a four wheel truck comprising four hanger levers one pivotally attached to the truck frame intermediate its ends on each side of each wheel at one side of the truck and each provided at its lower end with means for frictionally engaging the associated wheel, a floating transversely extending brake cylinder lever operatively connected intermediate its ends with the upper end of the hanger lever at the outer side of one wheel and at its outer end with a brake cylinder secured to the truck frame, a transversely extending dead lever operatively connected intermediate its ends with the upper end of the hanger lever at the outer side of the other wheel and pivotally connected at its outer end to the truck frame, and two transversely extending live levers connected together at their outer ends and operatively connected respectively intermediate their ends with the upper ends of the two remaining hanger levers and at their inner ends with the inner end of said brake cylinder lever and the inner end of said dead lever.

2,238,745
CRUMB SCRAPER
John Henry Miller, Baltimore, Md.
Application August 7, 1939, Serial No. 288,868
2 Claims. (Cl. 65—12)

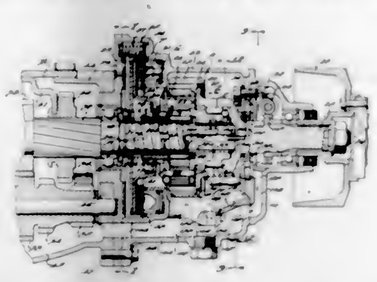


1. A pocket crumb scraper comprising a single piece of transversely curved material of segmental section relatively narrow as compared with its longitudinal dimension for gathering crumbs on its concaved surface and adapted for insertion in a coat pocket, the end portions having a converging form for the facile dispensing of gathered crumbs from either end, and a member made from a single piece of material with a plurality of slots therein and a leg-like projection, adapted to clasp over the edge portion of a coat pocket, said member being transversely curved to fit within the first mentioned piece and be slidable transversely on its external convexed surface with the projection extending sidewise away from the side of the piece for finger manipulation of the scraper in straight or curved movements, and pins in the first mentioned piece for adjustably holding the member adjacent one end of the piece and for enabling the leg projection to form the pocket clasp for the scraper as well as a handle for finger holding and manipulation.

2,238,746
POWER TRANSMISSION
Carl A. Neracher, William T. Dunn, Augustin J. Syrovy, and Teno Iavelli, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 29, 1938, Serial No. 222,006
38 Claims. (Cl. 74—260)

1. In a drive for a motor vehicle having an engine provided with a throttle valve; an accelerator pedal operably connected to said throttle valve for adjustment thereof by the vehicle driver; a driving shaft; a driven shaft; planetary gearing comprising, a planet pinion having a carrier adapted to be driven from the driving shaft, a sun gear meshing with the planet pinion, and an internal gear meshing with the planet pinion and adapted to transmit drive to the driven shaft; clutch means engageable to drivingly clutch the sun gear with the pinion carrier for locking the planetary gearing to effect a direct

drive from the driving shaft to the driven shaft; a fluid-actuated brake operable to disengage said clutch means and to restrain rotation of the sun gear for effecting an overdrive from the driving shaft to the driven shaft; means including a valve for supplying fluid under pressure to said fluid-actuated brake during said direct drive



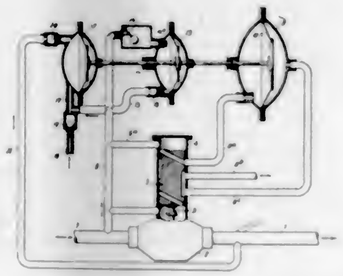
thereby to operate said brake and cause operation of the overdrive without interruption in the drive from the engine to the vehicle; and means operable in response to driver manipulation of said accelerator pedal for operating said valve to control pressure fluid supply to said fluid-actuated brake.

2,238,747

APPARATUS FOR DOSING LIQUIDS AND GASES

Georg Ornstein, New York, N. Y.

Application March 24, 1937, Serial No. 132,866
In Germany July 12, 1935
2 Claims. (Cl. 210—40)



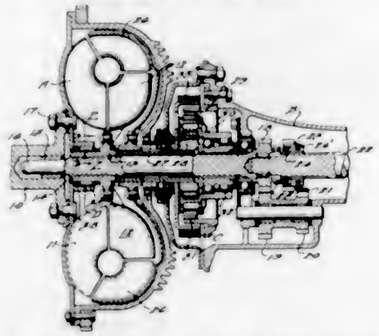
1. An apparatus for adding to a flowing stream of fluid proportional quantities of another fluid, comprising a conduit through which the stream flows, a flow responsive device disposed in said conduit and operated in accordance with the flow of the stream, a casing directly connected in sealed relationship with the housing of said flow responsive device, means for directing a portion of the flowing stream to said casing to act as a pressure medium, a power device, conduit means affording communication between said casing and said power device for the passage of the pressure medium, means including a discharge conduit from said casing for permitting release of the pressure medium, a pumping device operated by said power device for effecting the addition to the flowing stream of fluid of the fluid to be added, an additional pumping device actuated by said power device in unison with said first pumping device for forcing fluid into the said first pumping device, and a control piston mounted in said casing and directly connected to and operated by said flow responsive device for controlling the passage of the pressure medium from said casing to and from said power device which is actuated by the pressure medium.

2,238,748

POWER TRANSMISSION

Herbert F. Patterson, St. Clair Shores, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application January 22, 1940, Serial No. 314,897
3 Claims. (Cl. 74—189.5)



1. In a motor vehicle power transmission, a power driving shaft, a fluid coupling including a rotatable impeller driven by said driving shaft for circulating a fluid in said coupling, said coupling further including relatively rotatable primary and secondary runners adapted to be driven by the circulated fluid, said secondary runner being so disposed as to receive the fluid discharged from said primary runner and to discharge the fluid therefrom to said impeller, a driven shaft adapted for direct driving connection with said secondary runner for driving the vehicle, overunning clutch means including clutch elements one of which is adapted for driving connection to the driven driven shaft, means including a torque multiplying gear train for drivingly connecting said primary runner to the other of said overrunning clutch elements, and overrunning clutch means acting between the driving and driven shafts to automatically establish drive connection from the driving shaft to the driven shaft independently of said fluid circulation in response to tendency of the engine to drop below a predetermined speed proportionate to the rotational speed of said driven shaft, the last said overrunning clutch means operating to automatically release the last said drive connection in response to accelerating the driving shaft above said predetermined speed thereby accommodating drive of the driven shaft by the driving shaft through said fluid coupling.

2,238,749

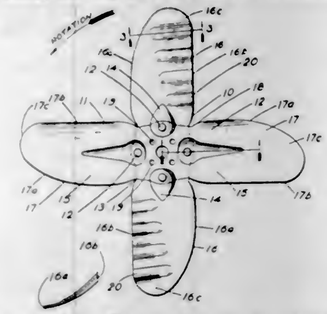
FAN BLADE

James E. Peltier, Detroit, Mich., assignor to Clarence B. Swift, doing business as Swift Manufacturing Company, Detroit, Mich.

Application January 30, 1939, Serial No. 253,518
4 Claims. (Cl. 170—159)

1. In a fan, an even plurality of stamped blades, each of said blades having a leading and a trailing edge, and corrugations on the trailing edges of only half of said blades, the blades

with corrugations and the blades without the same being arranged alternatively, thereby causing adjacent blades to set up in operation air waves of mutually interfering frequencies.

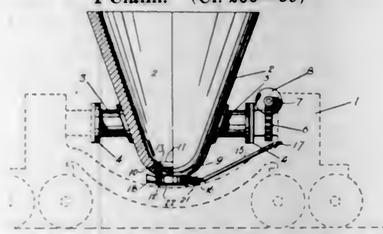


2,238,750

SELF-CLEANING CINDER LADLE

Jack Roscoe Radcliffe, Dundalk, Md.

Application May 15, 1940, Serial No. 335,253
1 Claim. (Cl. 266—39)



In a ladle of the class described, the combination of bell-like body with its lower portion recessed and provided with a opening leading off therefrom, a false bottom normally flush with the internal surface of the body having a neck extending therefrom through the opening, a resilient means for normally bringing the false bottom to its flush position in the wall of the body, said means being attached to the neck of the false bottom and to the said body, a member travelling in a portion of the ladle contacting the neck for raising the false bottom above the surface of the body and engaging slag residue shell therein for expelling same therefrom, and link mechanism attached to the member adapted to propel the member to cause the raising and lowering of the false bottom, substantially as described.

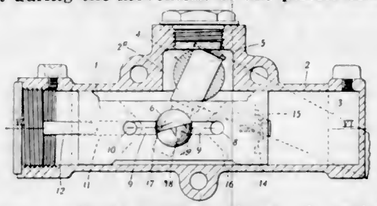
2,238,751

SHOCK ABSORBER

Frank Sidebotham Rippingille, Birmingham, England

Application March 9, 1938, Serial No. 194,724
In Great Britain March 10, 1937
8 Claims. (Cl. 188—88)

1. A hydraulic shock absorber for vehicles for automatically adjusting the degree of damping to suit varying loads comprising a fluid-containing chamber and a piston movable therein one of said parts having a fluid resistance passage between the ends of the piston, piston actuating means within the chamber for operatively connecting the piston to a part of a vehicle, a regulating device controlling and automatically varying the effective size of the resistance passage, said regulating device being carried by a member disposed within the interior space occupied by the piston and its actuating means; the normal piston-actuating means causing positive relative movement between the regulating device and the resistance passage without the use of auxiliary operating means additional to the normal means for causing relative movement between the piston and its chamber due to road shock, and the arrangement being such that during the movement of the piston between



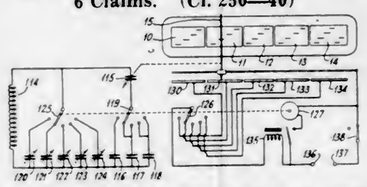
extreme positions corresponding to the unloaded and fully-loaded conditions of the vehicle the said regulating device directly co-operates with the resistance passage to progressively restrict it, whereby the resistance opposing a subsequent given relative movement of the piston, due to shock, from any initial position between the said unloaded and loaded positions, is automatically varied according to the static load applied.

2,238,752

RADIO RECEIVER WITH BAND SPREADING

Herre Rinia, Bernardus Dominicus Hubertus Tellegen, and Marc Ziegler, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands

Application October 14, 1939, Serial No. 299,508
In the Netherlands February 28, 1939
6 Claims. (Cl. 250—40)



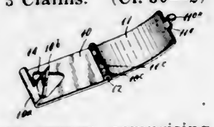
1. A radio receiver comprising at least one tunable circuit and means for tuning said circuit over a wide frequency range, said range including a plurality of comparatively narrow frequency bands, means constructed and arranged to effect band spreading of said tunable circuit for said narrow frequency bands, a separate band spread scale for each of said narrow frequency bands, and a common indicator pointer under the control of said tuning means adapted to successively traverse said band spread scales.

2,238,753

PACKAGE OPENER

Edward Roble, New York, N. Y.

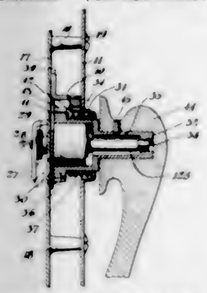
Application May 25, 1939, Serial No. 275,663
3 Claims. (Cl. 30—2)



1. A package opener, comprising a steel strip having one end curled upwards and inwards and a portion thereof continuing into a pointed blade portion extending inwards, and a cover hingedly mounted on the other end of said strip and extending across said strip to cover said blade por-

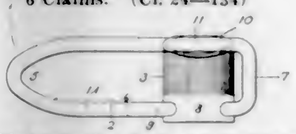
tion, said strip being flat, and said cover being arched so as to extend over said blade portion, means for releasably holding said cover closed, comprising elements on said cover resiliently engageable with a portion of said strip.

2,238,754
COMBINED WINDOW REGULATOR AND DOOR LATCH OPERATOR
John A. Rupp, West Palm Beach, Fla.
Application June 29, 1939, Serial No. 281,787
5 Claims. (Cl. 268—126)



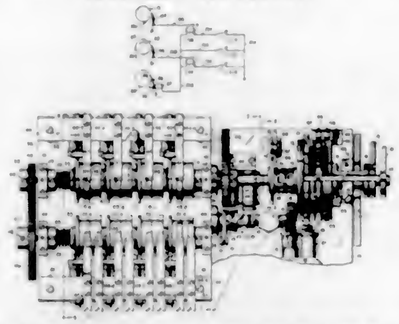
1. The combination with a door latch and a window regulator each having an actuating mechanism, of a rotatable shaft constituting a part of the window regulator actuating mechanism, a sleeve slidable on said shaft between innermost and outermost positions and spring-biased to its innermost position, means within said sleeve adapted to have rotation transmitting engagement with the shaft only when said sleeve is in its innermost position, means on the outside of said sleeve adapted to have motion transmitting engagement with the latch actuating mechanism when said sleeve is in its outermost position, said sleeve being adapted to have motion transmitting engagement with but one of the actuating mechanisms at a time, and a handle for rotating said sleeve.

2,238,755
CABLE-ANCHORING DEVICE
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Original application April 28, 1937, Serial No. 139,485. Divided and this application November 13, 1939, Serial No. 304,103
6 Claims. (Cl. 24—134)



6. A cable anchoring device comprising a member having substantially parallel sides integrally joined at corresponding ends to provide a snubbing portion, and a snubbing element having a cylindrical snubbing surface and a pivot portion offset radially of the axis of and laterally of said snubbing surface, said pivot portion being pivotally connected with one side only of said member, said snubbing surface being normally disposed between said sides for cooperation with said snubbing portion and movable about said pivot to a position disposing said snubbing surface with its entire cylindrical snubbing surface wholly removed from between said sides, whereby a looped end of a cable may be passed between said sides and said cylindrical snubbing surface disposed within said loop.

2,238,756
SPORTS TIMER
Robert Steeneck, New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application November 19, 1936, Serial No. 111,724
12 Claims. (Cl. 161—17)



1. In a time clock movement embodying a time indicator and means for driving said indicator at a predetermined speed, a second time indicator and means for normally driving said second indicator at a relatively slower speed than said first mentioned indicator, means for moving said second named means at the speed of said first mentioned means, automatically controlled means for restoring the speed of said second mentioned means to normal at any one of a plurality of predetermined points in the course of its movement, and means operable prior to the starting of said clock movement for determining at which one of said predetermined points said automatically controlled means restores the speed of said second mentioned means to normal.

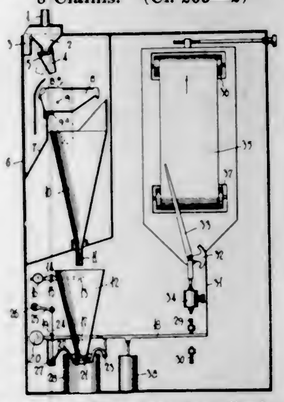
2,238,757
WALL CLEANER
Orville Stevason, Indianapolis, Ind., assignor of one-half to Wendell G. Newsom, Indianapolis, Ind.
Application April 24, 1939, Serial No. 269,583
5 Claims. (Cl. 15—98)



1. In a wall cleaner, a carriage, a shaft carried by the carriage, a plurality of elastic wiping blades carried by said shaft to have ends project beyond an edge of the carriage, wall bearing means for fixing the position of said carriage on the wall when the cleaner is in use and spacing said shaft from the wall to determine the length of contact

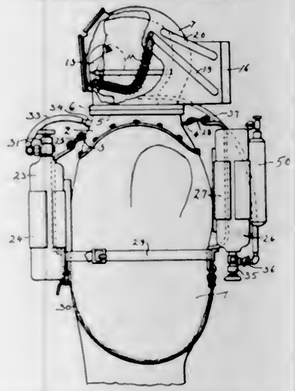
by said blades with the wall upon rotation of said shaft, and a plurality of bars in the path of said blades for knocking dirt free from the blades, and means for rotating said shaft.

2,238,758
MEANS FOR DETERMINING PHYSICAL CHARACTERISTICS OF LIQUIDS
Charles W. Thornhill, Houston, Tex.
Application December 20, 1937, Serial No. 180,709
8 Claims. (Cl. 265—2)



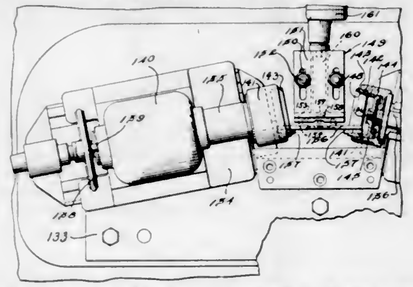
6. Apparatus of the class described comprising a pipe through which the liquid to be tested flows continuously, means having a restricted passage, and time controlled means for periodically separating out a measured sample of said liquid, and causing it to flow through said restricted passage, and means for recording both the rate of flow through said restricted passage and total weight of each successive sample.

2,238,759
DIVING APPARATUS
Ivan Hans Vestrem, Cedar Keys, Fla., assignor of one-sixth to Manuel Kepote, Cedar Keys, Fla., one-sixth to Gus Cocoris, one-sixth to George Mavros, one-sixth to James Alafantis, all of Tarpon Springs, Fla., and one-sixth to Jack I. Bolton, Milwaukee, Wis.
Application July 21, 1939, Serial No. 285,693
3 Claims. (Cl. 61—70)



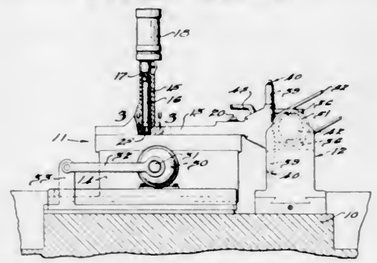
1. A diving apparatus comprising a helmet, a pressure tank communicating therewith for supplying at will a mixture of helium and oxygen, a second pressure tank communicating with said helmet and having two control valves, one to supply a small quantity of oxygen continuously to compensate for amounts converted into carbon dioxide, and the other to supply a large amount of oxygen at will.

2,238,760
LAPPING APPARATUS
David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application July 22, 1936, Serial No. 91,851. Divided and this application August 1, 1938, Serial No. 222,510
6 Claims. (Cl. 51—67)



1. Apparatus for simultaneously lapping surfaces of a pair of pieces of work including a pair of work supporting and rotating members arranged with their work supporting ends disposed inwardly in spaced relationship with respect to each other, a lapping fixture located between said work supporting ends of said members including a reciprocable lapping element adapted to simultaneously engage surfaces of pieces of work mounted on each of said members respectively, and driving means on said fixture for reciprocating said lapping element.

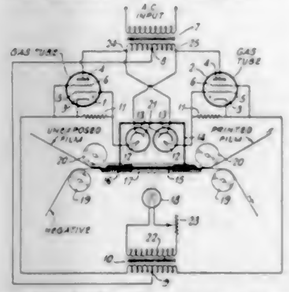
2,238,761
SURFACE FINISHING MACHINE FOR CYLINDRICAL SURFACES
David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 22, 1939, Serial No. 275,020
9 Claims. (Cl. 51—67)



1. A surface finishing machine including means for holding a work piece having a cylindrical surface, means for rotating said work piece about the longitudinal axis of said cylindrical surface, a surface finishing tool holder associated with said work holding and rotating

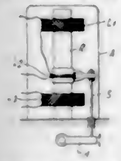
means, a surface finishing tool carried by said holder in position to engage a portion of said cylindrical surface, a second surface finishing tool carried by said holder in position to engage another portion of said cylindrical surface, said tools engaging said cylindrical surface in substantially the same plane normal to the longitudinal axis thereof, and means for imparting compound reciprocal motion to said tool holder, consisting of relatively short, rapid movements and simultaneous relatively long, slow movements, during the rotation of said work piece.

2,238,762
POWER REGULATOR
James N. Whitaker, Weehawken, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1939, Serial No. 302,109
12 Claims. (Cl. 178—7.1)



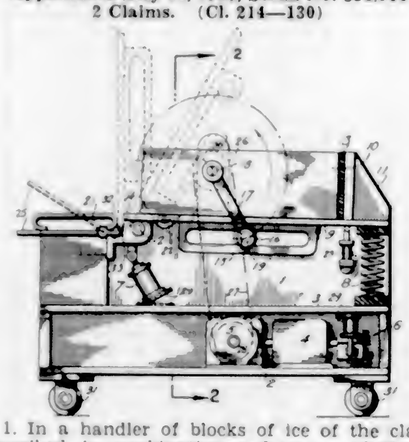
1. A power control system for use between an alternating power supply source and a load, said system comprising at least one trigger-acting gaseous discharge tube having its discharge path determined by a cathode and an anode, said discharge path being in circuit between said source and said load, a control grid in said discharge path, a bias resistor interconnecting the control grid and the cathode, a photo-electric device having one electrode connected to said source and a second electrode directly connected to the control grid of said gaseous tube, and means including a light source acting upon said photo-electric device for varying the electronic discharge therein, thereby to control the bias on said control grid, said means being solely effective to vary the interval of the conductive state of said gaseous tube during a half cycle of current from said source.

2,238,763
ARRANGEMENT FOR VARIABLE ADJUSTMENT OF BAND WIDTH
Johannes Winkler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 20, 1937, Serial No. 175,593
In Germany December 21, 1936
5 Claims. (Cl. 178—44)



1. The combination with a pair of tuned circuits having main reactances coaxially disposed in fixed spaced relation, of means for varying the coefficient of coupling between said reactances, said means comprising an auxiliary inductance coaxially arranged between the main reactances, said auxiliary inductance being disposed closer to one of the reactances than to the other and being serially connected to said other reactance, a shielding can enclosing the reactances and the auxiliary inductance, and means for adjusting the position of the auxiliary inductance from outside the shielding can.

2,238,764
ICE BLOCK HANDLER
John Wesley Wolf, Baltimore, Md., assignor to Arlington Ice and Fuel Company, Baltimore, Md., a corporation of Maryland
Application May 11, 1940, Serial No. 334,644
2 Claims. (Cl. 214—130)

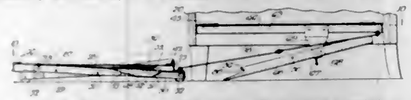


1. In a handler of blocks of ice of the class described, in combination, a frame, a platform for ice-blocks hinged to the frame, and adapted to normally position itself in tilted relation to and below the horizontal plane, a buffer member for controlling the position of the ice blocks adjacent one end of the platform, a rail member attached to the frame, and an arm arranged to engage in the rail member for moving the platform on its hinged connection, means for rotating the arm, motive means for actuating the last mentioned means, mounted on the frame, means for absorbing the momentum of the ice blocks during their handling on the platform, switch means or the like for controlling the stopping and starting of the moving parts of the handler, a resilient apron adapted to receive the incoming blocks of ice mounted on the frame in front of the said platform and to depress under the weight of the blocks and direct the blocks to the platform after same are discharged on the apron, means for restraining the blocks in a predetermined position on the platform and connected thereto, resilient means for sustaining the platform on the frame and taking up jars and stresses incurred in the handling of the ice-blocks thereon.

2,238,765
EXTENSIBLE COUCH
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application October 6, 1939, Serial No. 298,227
11 Claims. (Cl. 5—21)

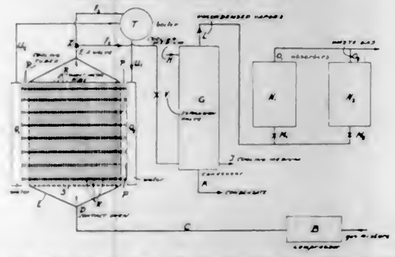
2. In an extension couch the combination of a

normally stationary section, a movable section adapted to be housed under said stationary section and withdrawn therefrom to operative position, said movable section having supporting rollers on which the section is adapted to be rolled into and out of position under the stationary section, vertically rockable tracks carried



by said stationary section in alignment with said rollers for receiving the same when said movable section is moved into housed position, said movable section and tracks being adapted to be rocked vertically as a unit so as to raise the front portions thereof into a substantially concealed position.

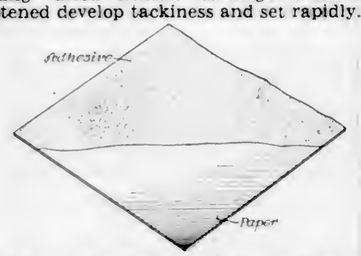
2,238,766
PRODUCTION OF HYDROCARBONS
Leonhard Alberts, Oberhausen-Holten, Germany, assignor, by mesne assignments, to Hydrocarbon Synthesis Corporation, Linden, N. J.
Application April 13, 1938, Serial No. 201,807
In Germany April 17, 1937
3 Claims. (Cl. 260—449)



1. In the process of producing hydrocarbons by reacting carbon monoxide with hydrogen in the presence of a hydrogenation catalyst, in which the temperature in the reaction zone is controlled by means of a boiling cooling medium conducted in tubes across the reaction zone, the step of carrying the reaction through under a pressure and at a temperature which approximately correspond to the pressure and the temperature under which the boiling cooling medium passes through the cooling tubes.

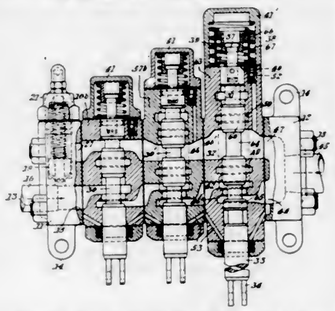
2,238,767
ADHESIVE COMPOSITION
Hans F. Bauer, Chicago, Jordan V. Bauer, Elmwood Park, and Don M. Hawley, Geneva, Ill., assignors to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application January 14, 1939, Serial No. 250,939
13 Claims. (Cl. 134—23.4)

1. A remoistening adhesive of the character described consisting mainly of an incompletely dextrinized root starch conversion product converted to a solubility within the range of about 3% to about 50% in water at 75° F., a viscosity within the range of 15 seconds to 400 seconds, as determined in the manner herein described and a dextrine content less than about 55% as determined in the manner herein described, intimately dispersed with about 3% to about 30% urea based upon the weight of said conversion product, about 1% to about 5% borax and about 1% to about 10% glycerine, said adhesive possessing strong adhesive properties and being capable of forming dried flexible coatings which when moistened develop tackiness and set rapidly.



13. A remoistening adhesive consisting mainly of a starch-conversion-product converted to a solubility of less than 50% and a dextrine content of 10% to 20% and which contains urea in amount ranging from about 5% to 25% based on the weight of said starch-conversion-product.

2,238,768
CONTROL VALVE
Ernest A. Berglund, Youngstown, and John H. Drennen, Girard, Ohio, assignors to The Commercial Shearing and Stamping Company, Youngstown, Ohio, a corporation of Ohio
Application November 2, 1939, Serial No. 302,564
12 Claims. (Cl. 277—63)

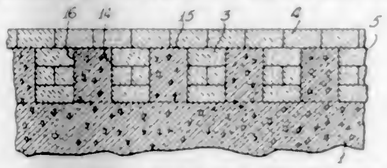


1. A valve unit comprising a block adapted to be assembled between inlet and outlet covers, a bore through said block, a relief passage intersecting said bore, by-passing passages extending into said block from opposite faces and intersecting said bore at points closely spaced therealong, a motor port intersecting said bore between the relief passage and one of the by-passing passages, a valve stem reciprocable in said bore having spools spaced therealong, a housing on one end of the block, stem-positioning means in said housing, a bleeder passage connecting the interior of said housing to said relief passage, and a valve in said bleeder passage preventing flow from said relief passage to said housing.

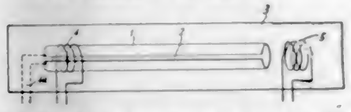
2,238,769
WALL SUPPORT FOR FLOOR SYSTEMS
Morris Berman, New York, N. Y.
Application August 2, 1938, Serial No. 222,611
4 Claims. (Cl. 72—108)

1. In a building construction, a masonry wall, a concrete floor slab, said slab having a series of spaced end slots therein, providing a series of spaced projections at the end of the slab, said wall having a space therein surrounding each of the projections, and means for supporting that portion of the wall above the slab comprising

support members arranged in the slots and taking stress from the wall above the slab and transmitting said stress to the wall portion below the slab.



2,238,770
HIGH FREQUENCY ELECTRICAL CONDUCTOR OR RADIATOR
Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 4, 1939, Serial No. 259,751
In Great Britain March 7, 1938
20 Claims. (Cl. 250—33)



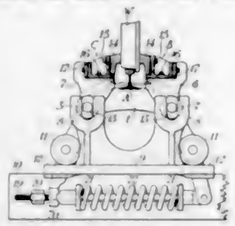
16. An aerial for horizontally polarized waves comprising a vertical conductive tube having a longitudinal slit along its length, each elemental length of said tube comprising a series connected inductance and capacity, all of said elemental capacities and inductances being effectively in parallel, means for energizing said aerial thereto and means for adjusting the width of said slit so that a predetermined directivity is obtained.

2,238,771
PENCIL LEAD
Isidor Chesler, Oceanport, N. J., assignor to Eagle Pencil Company Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 30, 1939, Serial No. 311,944
15 Claims. (Cl. 120—83)

1. A pencil lead of fired graphite and clay having a soluble colored ingredient lodged in the pores thereof, ineffective to alter the black coloration of the mark made by the lead and upon the application of a suitable liquid to yield a tell-tale indication in the form of a halo of contrasting color.

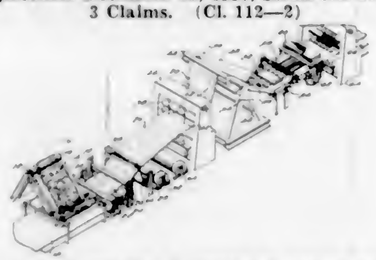
2,238,772
RAILWAY BRAKING APPARATUS
Harold C. Clausen, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 21, 1939, Serial No. 280,369
9 Claims. (Cl. 188—62)

1. Railway braking apparatus comprising a track rail supported by two pivoted levers in such manner that the weight of a car traversing the rail will exert a torque on the levers tending to move the upper ends of the levers toward the rail, braking bars secured to the upper ends of the levers and movable thereby toward the rail to positions in which the spacing between said braking bars is less than the widths of car wheels, and spring means cooperating with said levers and effective when said braking bars are engaging a vehicle wheel for limiting the torque exerted on said levers by vehicles having



a weight in excess of a predetermined weight or wide wheels or both.

2,238,773
APPARATUS FOR AND METHOD OF FORMING CUSHION CONSTRUCTIONS
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application December 10, 1937, Serial No. 179,075
3 Claims. (Cl. 112—2)



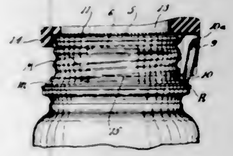
1. In the method of preparing upholstery, the steps which comprise continuously applying a substantially uniform layer of padding material to a strip of backing material to form a composite strip, continuously moving the composite strip through a stitching machine, stitching the padding material and the backing material together, thereafter severing the composite strip into sections, applying a cover material to each of the sections, and sewing the padding material, backing material, and cover material together along predetermined lines.

2,238,774
ADJUSTABLE SPRING CUSHION
Henry Hopkes, Grosse Pointe, Mich., assignor to No-Sag Spring Company, Detroit, Mich., a corporation of Michigan
Application July 18, 1938, Serial No. 219,682
1 Claim. (Cl. 27—12)



The combination of an elongated box member having side and end wall members, and a bottom member, an elongated cushion structure which is longitudinally divided into a plurality of frame members hingedly mounted relative to each other and extending the full length of the box member, transversely extending sinuous spring elements at spaced intervals longitudinally of said section providing the load supporting surface, means for mounting one of said sections at an inclination to said bottom member with the end edge of said section resting on said bottom member, means pivotally mounting another of said sections relative to said bottom member and to said one of said sections, whereby said cushion structure may be mounted at different degrees of inclination throughout its length.

2,238,775
LID SEALER
Jacob Z. Humbert, North Canton, Ohio
Application May 2, 1940, Serial No. 333,000
4 Claims. (Cl. 81—15.1)



1. Jar lid tightening and sealing means including a cap having a depending flange engaging over the top rim only of a jar lid, a roller journaled on said cap at one side thereof for engaging the sealing rim flange at the bottom of said lid, a gripping ring of resilient material engirdling said cap and having a depending flange opposite the roller substantially equal in depth to the cap depending flange, and a finger grip portion depending from the gripping ring at each side of said roller for gripping the jar lid to tighten the same.

2,238,776
COMPOSITION OF MATTER
Werner E. Kleinicke, Coalwood, W. Va., assignor to The Johnson-March Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 21, 1939, Serial No. 257,657
23 Claims. (Cl. 44—6)

1. A non-fluid composition of matter comprising a solid, water-soluble, neutral, deliquescent, crystallizable salt capable of lowering the freezing point of water, a hygroscopic, normally solid, non-deliquescent colloid capable of forming a gel with water in admixture with the salt in minor proportion and a water-insoluble non-drying oil substantially non-evaporable at atmospheric temperatures in minor proportions, the composition being characterized by the fact that the water-soluble salt and the colloid retain their solid form and that oil is coated on the colloid.

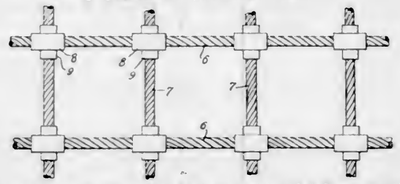
2,238,777
PROTECTION OF METAL VAPOR LAMP BULBS AND THE LIKE FOR ALKALI METAL ATTACK
Eugene Lemmers, Cleveland, and Raymond W. Goodwin, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
No Drawing. Application August 23, 1934, Serial No. 741,144
6 Claims. (Cl. 91—70)

1. A process of protecting the interior glass surfaces of an alkali metal vapor electric discharge-device against discoloration by the alkali metal, which process comprises coating the glass surfaces to be protected with glaze material consisting of boric acid, and heating the same until the boric acid is converted to boric oxide and the latter fuses to a transparent, adherent film on the glass surface.

2,238,778
TREATMENT OF STEEL
Vincent T. Malcolm, Indian Orchard, Mass., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass., a corporation of Massachusetts
No Drawing. Application June 21, 1940, Serial No. 341,703
4 Claims. (Cl. 148—8)

1. The method of treating austenitic steel consisting of, immersing the same in a solution including tin chloride and nitric acid, and heating the same to a temperature of approximately 180° F.

2,238,779
METHOD OF MAKING NETS
Karl J. Mosebach, Pittsburgh, Pa.
Application July 2, 1940, Serial No. 343,613
3 Claims. (Cl. 140—112)



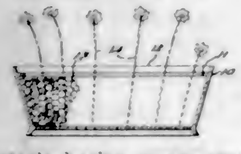
1. The method of making nets, which comprises placing metallic sleeves upon cables, arranging the cables in crossed relation, with a pair of the sleeves in crossed relation at each cable crossing, and electrically welding each pair of sleeves together without heating the cables to softening temperature, while applying pressure thereto in directions perpendicular to the plane of the mesh, with pressure sufficient to deform the sleeves and slightly flatten the cables at points within the sleeves.

2,238,780
FLASH LAMP
Caspar Reiter, Berlin-Treptow, and Hans-Joachim Helwig, Berlin-Schoneberg, Germany, assignors to General Electric Company, a corporation of New York
Application October 4, 1938, Serial No. 233,272
In Germany October 30, 1937
3 Claims. (Cl. 67—31)



2. A flash lamp comprising a sealed transparent container filled with a gaseous oxygenic substance and containing a readily combustible material, said combustible material comprising a woven gauze-like sheet composed of metallic filamentary material and having a multiplicity of openings therein, said sheet being formed in the shape of a hollow body.

2,238,781
CERAMIC POT
Henry T. Ritter, South Rockwood, Mich.
Application August 3, 1939, Serial No. 288,074
5 Claims. (Cl. 47—41)



5. A receptacle having means projecting inwardly of the top edge thereof, and a retaining element for flowers disposed in said receptacle and retained against the wall and bottom of said receptacle by said projecting means.

2,238,782
GAUGING DEVICE FOR COMPLEX CURVED SURFACES
Jean A. Roché, Dayton, Ohio
Application December 24, 1938, Serial No. 247,575
13 Claims. (Cl. 33—174)



1. A readily portable device for gauging the blades of aircraft propellers, while said propellers are mounted on an aircraft comprising, a central supporting member of tubular form extending lengthwise of the blade, a locating device on the member, said device adapted to cooperate with the hub portion of the propeller to locate the member in proper relationship to the axis of the blade, elements adjustably mounted on the member and adapted to be spaced at intervals along the member to correspond to important radial sections of the blade, said elements adapted to extend at right-angles to the member and across the face of the blade, gauging fingers, two of which are adapted to be adjustably mounted on each element in reverse relationship to each other, and gauging surfaces on the fingers adapted to be moved into engagement with the leading and trailing edges and one face of the blade at several important radial sections thereof, while the member is retained in proper axial relationship to said blade, to set the gauge to the form and pitch of said blade so that companion blades may be compared therewith.

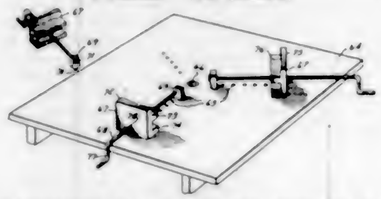
2,238,783
SPECIAL COATING COMPOSITION VALUES
Jackson H. Rollins and Walter E. Hatch, Toledo, Ohio
No Drawing. Application May 29, 1939, Serial No. 276,440
9 Claims. (Cl. 134—6)

9. A coating composition more particularly adapted for lining fiber containers against sticking of asphalt or the like thereto, and wherein the ingredients are of the general character and approximate proportions set forth including an inert body of clay-like filler, forty parts; a deflocculant for the body, of sodium tetra pyro phosphate up to one-half per cent of the body; a size which may be low grade glue up to two and one-half parts; a softening agent to give resistance against crumbling to the coating, said agent being glycerine up to seven and one-half parts; a superficial binder of a gum of Sterculiacea, one part; a stabilizer therefor of alkali carbonate, two and one-half parts; and water to be taken on by the gum up to one hundred parts.

2,238,784
ELECTRIC DISCHARGE DEVICE
William J. Scott, James T. Anderson, and Robert S. Wells, Rugby, England, assignors to General Electric Company, a corporation of New York
No Drawing. Application December 19, 1939, Serial No. 310,038. In Great Britain January 16, 1939
3 Claims. (Cl. 176—122)

3. An electric discharge device comprising a glass envelope for the arc discharge, a layer of luminescent material on said glass envelope, and a protective coating of an ultra-violet transmitting glaze on said luminescent material, said glaze being interlaced with numerous small cracks to thereby render the same gas-permeable.

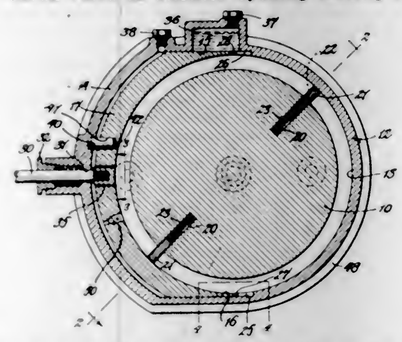
2,238,785
APPARATUS FOR PRODUCING SHAPED CORES
Robert C. Walton, Iola, Kans.
Application December 5, 1938, Serial No. 244,077
1 Claim. (Cl. 22—24)



In apparatus of the character described, a core plate consisting of a floor having a socket and spaced series of aligned apertures arranged concentrically relative to the socket, rods having blocks at one end thereof provided with pins engageable in said apertures, ledged supports adjustably mounted on said rods for receiving and supporting a core thereon in spaced relation to the core plate and to center the core relative to said socket in response to adjustment of said ledged supports, and grinding apparatus mounted in said socket and movably engageable with a core on said ledged supports to shape the same.

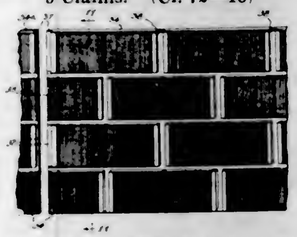
2,238,786
MOTION CONTROL DEVICE
Robert B. Warman, Kenmore, N. Y.
Application December 17, 1938, Serial No. 246,387
10 Claims. (Cl. 188—90)

1. A motion control device interposed between two relatively rotatable parts, comprising a housing member secured to one of said parts and containing a fluid and having an inner circular face, a member secured to the other of said parts and having an external circular face normally concentric with the circular face of said housing member, movable vanes carried by one of said members and engaging the circular face of the other member, one of said members being made of two sections, means for moving one of said sections radially relatively to the other section and to the other member to vary the resistance to the flow of fluid induced by said vanes, said movable section being provided with an opening leading from its inner to its outer side thereby to balance the pressures on opposite sides thereof, said opening being of a predetermined maximum size to limit the speed of movement of said movable section toward the other member, and a check valve in another opening leading from



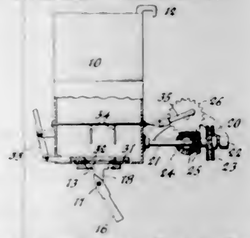
the inner to the outer side of said movable section and permitting the unimpeded return of said movable section to its neutral position.

2,238,787
MULTIPLE BRICK UNIT
Nathaniel L. Aberson, Detroit, Mich., assignor to Celia M. Broder, Detroit, Mich., individually and as trustee
Application October 4, 1937, Serial No. 167,149
5 Claims. (Cl. 72—18)



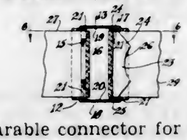
1. An exterior multiple brick unit adapted to be secured to the base wall of a building comprising a rigid backing member and a plurality of relatively thin ornamental tile slabs directly secured thereto and placed end to end in pairs in such manner that each pair of slabs has an exposed surface of substantially the same dimensions as a standard brick, the surface of said slabs being textured to simulate a brick surface.

2,238,788
SANDING APPARATUS FOR HIGHWAYS
Edward W. Bowers, Oakfield, N. Y.
Application February 14, 1939, Serial No. 256,302
4 Claims. (Cl. 275—7)



3. An apparatus for sanding highways, comprising a sand hopper having a discharge opening in its bottom, a pendant, laterally-swinging spreader pivoted below the bottom of the hopper and in alining relation with its discharge opening for intercepting and distributing the sand discharged therefrom at either side of the spreader and directly onto the highway, and means operatively connected to said spreader for imparting an oscillatory movement thereto, said spreader being completely exposed at its sides and edges and from which the sand is discharged in directions both crosswise and fore and aft of the spreader.

2,238,789
SEPARABLE BELT CONNECTOR
Manuel Castro, Canton, Ohio
Application May 12, 1939, Serial No. 273,285
9 Claims. (Cl. 24—196)



1. In a separable connector for a belt and the like, two separable interengageable members, one of the members including a channel plate having a web and opposite side flanges, and there being oppositely opening recesses formed in the side flanges, the recesses having stop ends, and the other member including a shank having opposite ends adapted for being angled into the recesses in abutment engagement with opposite stop ends thereof, and the channel plate member furthermore including at one end thereof a clamp bar extending between the opposite side flanges and laterally spaced from the web and forming therewith a rectangular collar, and a second shank located between the clamp bar and the web and having its ends in engagement with the channel flanges.

2,238,790
METHOD OF SYNTHESIZING SULPHUR-BEARING, HIGH MOLECULAR WEIGHT HYDROCARBONS
Lloyd L. Davis, Bert H. Lincoln, and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application May 2, 1938, Serial No. 205,530
2 Claims. (Cl. 260—609)

1. A method for the synthesis of sulphur-bearing derivatives of high molecular weight, including the steps of halogenating paraffinic hydrocarbons whose monochloro derivatives melt lower than the hydrocarbons themselves, separating a relatively pure halogenated hydrocarbon from the crude halogenated mixture, and replacing the halogen of said relatively pure halogenated hydrocarbon with a sulphur-bearing group by means of a sulphur-bearing reagent selected from the class consisting of alkali metal hydrosulphides, alkali metal sulphides, alkali metal polysulphides.

2,238,791
GLASSWARE LEHR AND ANNEALING METHOD
Francis E. Dorsey, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application June 3, 1938, Serial No. 211,571
16 Claims. (Cl. 49—47)

1. A glassware lehr comprising a tunnel, means

for transporting glassware to be annealed through an annealing chamber which extends longitudinally of said tunnel, a second chamber extending longitudinally of the tunnel adjacent to said annealing chamber, said second chamber having a plurality of ports spaced along the length thereof



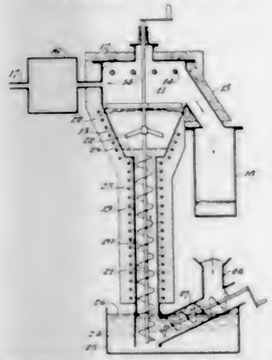
and communicating with the upper portion of said annealing chamber, and an air conduit extending longitudinally of the lehr tunnel and having spaced nozzles discharging jets of air through said ports into said annealing chamber in such manner as to have inductive action on gases in said second chamber.

2,238,792

CHARGING A HIGH-TEMPERATURE VACUUM FURNACE

Joseph D. Hanawalt and Charles E. Nelson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application July 28, 1939, Serial No. 286,986
9 Claims. (Cl. 13—8)



1. In a metallurgical furnace for use in processes wherein an ore charge is reduced, the combination of: a furnace chamber; heating means within the chamber; means for evacuating the chamber; a feed pipe for introducing an ore charge into the furnace chamber; and a barometric seal closing the feed pipe and formed of a heavy liquid which is substantially nonvolatile and is inert to the ore charge at the existing temperature and pressure.

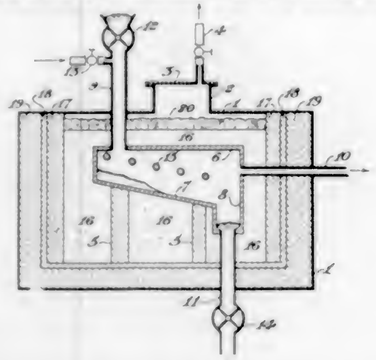
2,238,793

HIGH-TEMPERATURE ELECTRIC FURNACE

Joseph D. Hanawalt, Charles E. Nelson, and John S. Peake, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application July 28, 1939, Serial No. 287,134
8 Claims. (Cl. 13—31)

1. An electrical furnace for operation at temperatures above 1000° C. comprising: an air-tight shell; a graphite furnace chamber supported within the shell; electric heating means within the chamber; a bed of lampblack immediately surrounding the chamber and acting as a primary thermal insulation between the chamber and the shell; and means for maintaining the said lampblack substantially all at a temperature



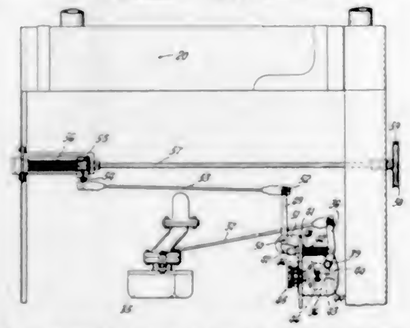
above 500° C.; and means for removing gases from within the shell.

2,238,794

GOVERNOR CONTROL FOR POWER PLANTS

George Heinish, Akron, Ohio, assignor to The Star Drilling Machine Company, Akron, Ohio, a corporation of Ohio

Application December 31, 1938, Serial No. 248,675
4 Claims. (Cl. 264—3)



1. In combination, a power unit including a throttle valve, a governor, connections between said governor and throttle valve to control the operation of the latter, said connections comprising a rock shaft, an arm connected to said shaft, a rod connected between said arm and said throttle valve, and a spring operatively connected to said arm, the arrangement being such that said spring tends to rock said arm in one direction while said governor tends to rock said arm in the opposite direction, means for initially setting said spring to open the throttle valve a predetermined amount, and means for preventing closing of the throttle valve beyond its initial setting.

2,238,795

COVER FOR DINING ROOM CHAIRS

Fred E. Katzner, Forest Hills, N. Y., assignor to The Comfy Manufacturing Co., Baltimore, Md., a corporation of Maryland

Application October 4, 1940, Serial No. 359,675
3 Claims. (Cl. 155—182)

1. A seat cover for dining room chairs comprising a normally flat blank of stretchable knitted material, having a front edge, edges diverging from said front edge, substantially parallel side edges, a curved rear edge and curved edges connecting said curved rear edge and side edges, stretchable material, when extended, attached to said edges throughout their length, said blank having gathering along the inside of said stretchable material, and fullness throughout the inside portion, said stretchable material



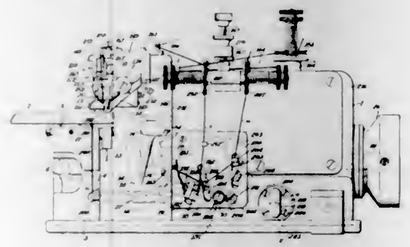
normally tending to retain the seat cover in contracted relation with respect to its condition as a blank, fastening elements on the seat cover, said cover being readily stretchable over the seat portion of an ordinary upholstered dining room chair, conforming to the contour thereof and to the member forming the chair seat frame, said fastening elements being fastened beneath said seat, uniting several sections of said stretchable material together.

2,238,796

OVEREDGE SEWING MACHINE

Nicholaus Knaus, Newark, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application June 10, 1939, Serial No. 278,393
10 Claims. (Cl. 112—162)



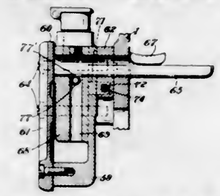
1. An overedge sewing machine having a frame including an oil-tight casing, and a work-supporting horn at one end of said casing, a main shaft journaled in oil-tight bearings in said casing, a needle, a needle-throat-plate carried by said horn, means including a shaft passing through an oil-tight bearing in a wall of said casing for actuating said needle, an under-looper-carrying rock-shaft passing through a wall of said casing and disposed below and transverse to said main shaft, an overedge looper, an overedge-looper-actuating rock-shaft passing through a wall of said casing and disposed below and transverse to said main shaft, operative connections between each of said rock-shafts and said main shaft within said casing, said rock-shafts being both disposed at the same side of the vertical plane of action of the needle containing the line of seam-formation.

2,238,797

LUBRICATING SYSTEM FOR SEWING MACHINES

Nicholaus Knaus, Newark, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Original application June 10, 1939, Serial No. 278,393. Divided and this application August 18, 1939, Serial No. 290,725
5 Claims. (Cl. 184—6)



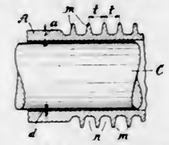
1. A sewing machine having a frame including a hollow oil-tight casing, stitch-forming and work-feeding mechanism incorporated in said frame and including working parts disposed within said casing for oil-splash lubrication, a hollow heat-radiator disposed externally of said casing, a spoon-mouthed conduit extending through a wall of said casing to catch oil splashed in said casing and conduct it by gravity to a discharge point in the lower portion of said heat-radiator, said heat-radiator having a return oil-overflow duct in the upper portion thereof in communication with the space within said casing.

2,238,798

METHOD OF AND MEANS FOR THE PRODUCTION OF RIBBED TUBES

Richard Lenk, Vienna, Austria, assignor to Kurt Lenk, Worcester, Mass.

Application March 10, 1938, Serial No. 195,149
In Austria March 10, 1937
14 Claims. (Cl. 80—62)



1. The method of forming ribbed tubing which is substantially free from internal grooves beneath the ribs, which comprises, rolling the tube circumferentially upon a mandrel to form grooves separated by ribs, and applying lateral pressure toward the base of the ribs by forming elements inclined at an angle to the circumferential axis of and engaging two adjacent ribs to eliminate internal grooves beneath the ribs.

2,238,799

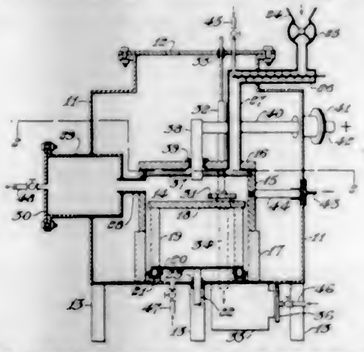
ROTATING HEARTH ELECTRIC FURNACE

Arthur A. MacPhail, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application August 28, 1939, Serial No. 292,189
7 Claims. (Cl. 13—8)

1. In a high-temperature vacuum electric furnace for use in processes wherein an oxide ore charge is heated, liberating a metal vapor and leaving a solid residue, the combination of: a gas-tight shell; a furnace chamber formed of high-temperature refractory material mounted within the shell; a rotatable hearth structure within the

chamber; means for evacuating the furnace; electric resistance heating elements disposed within the furnace chamber directly above the hearth and radially about a point above the center thereof; a condenser in communication with the chamber and having a gas outlet for applying vacuum



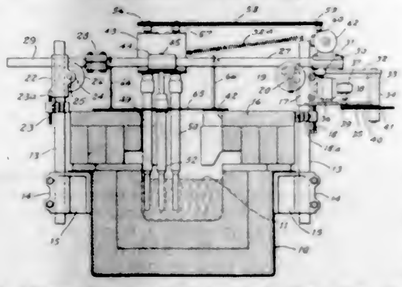
to the chamber; a residue pit in communication with the chamber; mechanical feeding means for introducing an ore charge into the furnace chamber onto the rotating hearth; a vacuum lock in said feeding means; and scraping means adapted to scrape residue from the hearth into the residue pit.

2,238,800

APPARATUS FOR AND METHOD OF HOMOGENIZING MOLTEN GLASS IN FOREHEARTHS OR LIKE STRUCTURES

Donald W. Mueller, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application January 26, 1939, Serial No. 252,864
15 Claims. (Cl. 49—54)



1. Glass homogenizing apparatus for forehearths or like structures comprising an implement depending into the glass flow channel of such a structure for engaging molten glass of a supply stream in said channel, said implement being rotatable about its own axis and also laterally reciprocable, and means for rotating said implement about its own axis and for reciprocating it transversely of the flow channel.

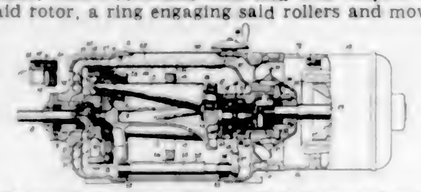
2,238,801

VARIABLE SPEED TRANSMISSION

Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application July 14, 1937, Serial No. 153,607
18 Claims. (Cl. 74—281)

1. A variable speed transmission comprising a rotor, a plurality of relatively inclined tapered planet rollers rotatable with and with respect to said rotor, a ring engaging said rollers and mov-



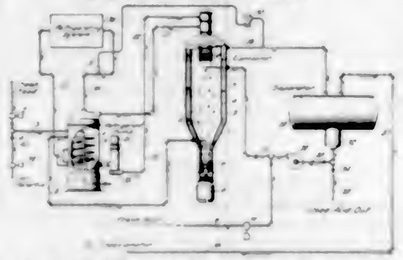
able lengthwise thereof to regulate the speed ratio of the transmission, and means responsive to the torque loads on said rollers for equalizing said loads.

2,238,802

PROCESS OF ALKYLATING HYDROCARBONS

Joe A. Altshuler and David H. Putney, Kansas City, Mo., assignors to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware

Application November 6, 1939, Serial No. 303,105
5 Claims. (Cl. 196—10)



1. In a process of alkylation in which olefinic and iso-paraffinic hydrocarbons are reacted in the presence of a condensation catalyst while flowing in a circuit comprising a reaction zone into which reaction zone the iso-paraffinic and olefinic hydrocarbons are introduced in a feed in which the molar quantity of the iso-paraffinic hydrocarbon is greater than the molar quantity of the olefinic hydrocarbon, the improvement which comprises increasing the molar ratio of the iso-paraffinic hydrocarbon to the olefinic hydrocarbon in the reaction zone in excess of one hundred to one by increasing the rate of flow of the materials in the circuit such that they traverse said circuit in less than 70 seconds.

2,238,803

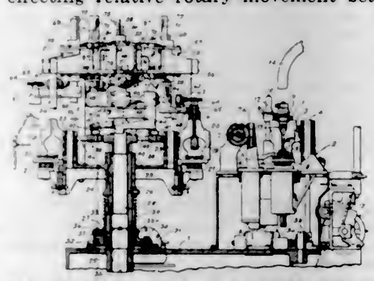
PASTE MOLD MACHINE FOR AND METHOD OF FORMING NARROW NECK GLASS ARTICLES

Walter K. Berthold, Rockville, and Henry W. Ingle, Windsor, Conn., assignors to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application March 4, 1938, Serial No. 193,882
9 Claims. (Cl. 49—9)

1. Glass forming apparatus comprising means for forming a charge of molten glass into a hollow blank or parison having a neck portion of substantially less external diameter than that of the body thereof, a paste mold having walls adapted to contact with and absorb heat from the neck portion of said hollow blank or parison for the full length of said neck portion and having a main cavity adapted for the reception of the body of the blank or parison, means for transferring said hollow blank or parison to the

paste mold, and means for blowing the blank or parison to final form in the paste mold and for effecting relative rotary movement between



the entire blank or parison as a unit and all portions of the walls of the paste mold in contact with said blank or parison.

2,238,804

FOOTWEAR

Elijah A. Brown, Atlanta, Ga.

Application January 16, 1940, Serial No. 314,165
4 Claims. (Cl. 36—10)



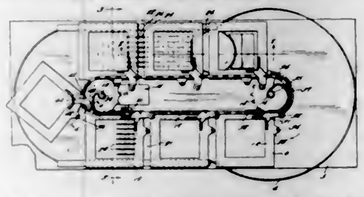
1. In an article of footwear comprising a sock held in position in a shoe by positive fastening means, a continuous ring portion of said sock being folded outwardly and downwardly over the top of said shoe, fastening means being attached to said sock ring portion and to said shoe to connect positively the sock in folded-down position to said shoe.

2,238,805

ICE CUBE CUTTING MACHINE

Francis X. Dotterweich, Dunkirk, N. Y.

Application December 8, 1938, Serial No. 244,693
1 Claim. (Cl. 143—38)



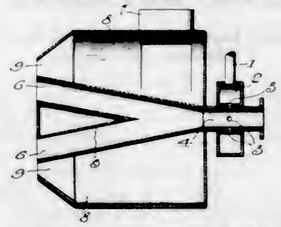
An ice cube machine comprising a table having a pair of spaced troughs connected at their opposite ends, a gang of rotating saws in each of the troughs cutting on planes extending longitudinally of the troughs, driven sprockets mounted between said troughs and at the ends thereof, an endless chain connecting said sprockets, cams mounted on the sprockets, ice carriers pivotally supported by the endless chain movable over said saws, roller means on said ice carriers for engagement with said sprockets, arms carrying rollers mounted on said ice carriers for cooperating engagement with the cams for rotating the ice carriers approximately ninety degrees as they pass from one trough to the other, and means for cutting off that portion of the ice sawed by the gangs of saws.

2,238,806

OIL BURNER

Felix Doubledent, Paris, France, assignor to Société Chantereine d'Applications Industrielles de Brevets, Paris, France, a corporation of France

Application May 3, 1938, Serial No. 205,775
In France May 4, 1937
2 Claims. (Cl. 158—76)



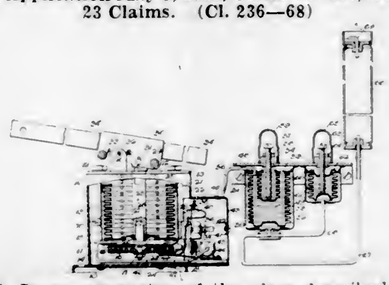
1. An oil burner comprising a cylindrical casing having a closed end and an open end, a frusto-conical wall at said open end having its larger end joined to said cylindrical casing, a conduit to supply secondary air to the cylindrical casing disposed tangential to the latter, a hollow conical duct within the casing and coaxial therewith having its larger end open and disposed at said open end of the casing and spaced from said frusto-conical wall, a primary air duct communicating with said conical duct, means for the feed of fuel into the primary air duct, a conical deflector coaxially disposed within the conical duct with its apex facing the said means and located between the latter and said open end of the casing for supplying the resulting mixture of pulverized fuel and primary air in the form of an annular sheet, means arranged in the space comprised between the frusto-conical wall and the conical duct at said open end of the casing for directing the secondary air forwardly and toward the axis of the burner while whirling, whereby the secondary air traverses the annular sheet of pulverized fuel and primary air only after issuing from the burner.

2,238,807

DAMPER MOTOR

John E. Dube, Knoxville, Tenn., assignor to The Fulton Syphon Company, Knoxville, Tenn., a corporation of Delaware

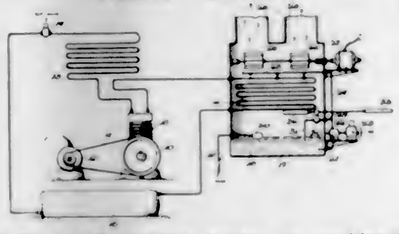
Application May 5, 1938, Serial No. 206,266
23 Claims. (Cl. 236—68)



1. In an apparatus of the class described, an expanding and contracting vessel, an electric

heater for heating said vessel, an auxiliary vessel in communication with said first named vessel, temperature responsive means for forcing vaporizable liquid into said auxiliary vessel, an electric heater for heating said auxiliary vessel to force said vaporizable liquid into said first named vessel and temperature responsive means responsive to the temperature of said heaters to open the circuit to at least said first named heater.

2,238,808
REFRIGERATING SYSTEM
John E. Dube and Norman W. Barnes, Knoxville, Tenn., assignors to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application August 5, 1938, Serial No. 223,347
9 Claims. (Cl. 62—3)



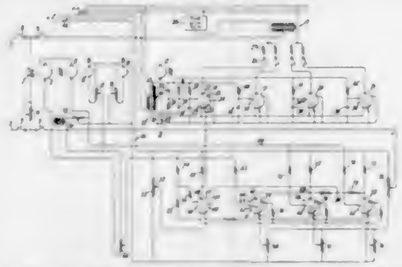
2. In a refrigerating system, in combination with the compressor thereof and an evaporative condenser in communication with said compressor and including means for circulating cooling water to and from a spray and a sump, a by-pass in said circulating system for returning water to the sump without passing through said spray, a valve in said by-pass for varying the quantity of water flowing through said by-pass and therefore said spray, and thermostatically operated means for operating said valve to increase the by-pass flow upon decrease in load on said refrigerating system.

2,238,809
PUMP STRUCTURE
Norman G. Hall and Grant L. Parrish, Port Angeles, Wash., assignors of one-fourth to David L. Hope, Cut Bank, Mont.
Application August 29, 1939, Serial No. 292,480
6 Claims. (Cl. 103—179)



1. In a pump of the character described, a piston barrel, means facilitating securing said barrel vertically in a well hole, a tubular pump rod having an end extended into the upper end of said barrel, an inlet valve at the lower end of the barrel, a packing interposed between the rod and said barrel, an upwardly opening valve in the rod above said barrel, means for vertically reciprocating said rod, said rod having an outlet at its upper end, said barrel securing means including laterally shiftable clutch fingers supported from the lower end of said barrel, means facilitating the coupling of the barrel and the rod together whereby the same may be turned in unison, and means for effecting the spreading of said clutch fingers when said barrel is turned in one direction.

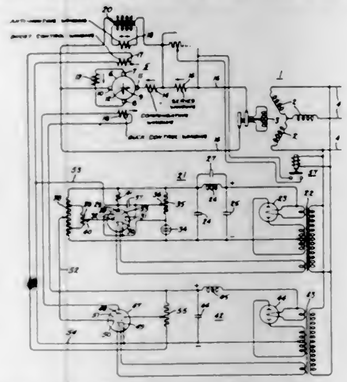
2,238,810
ELECTRIC CONTROL SYSTEM
Frederick E. Crever, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 27, 1940, Serial No. 315,997
10 Claims. (Cl. 172—239)



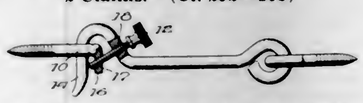
1. In combination, an electroresponsive device, means for producing an electrical quantity which varies in accordance with the characteristic derived from said device, an alternating current supply circuit, means for interconnecting said supply circuit and said device to transmit variable amounts of power therebetween and comprising an electric valve means having a control member, an electronic discharge device for variably energizing said control member and having a control grid, a second electronic discharge device for controlling the potential of said control grid in response to said electrical quantity, said second electronic discharge device having a control grid for controlling the conductivity thereof, means for producing a control potential for the grid of the first mentioned electronic discharge device and responsive to said electrical quantity of said electroresponsive device for limiting the range of variation of the potential impressed on the first mentioned control grid and comprising a pair of electric circuits each including in series relation an impedance element and an electronic discharge device of the controlled type, each of the last mentioned electronic discharge devices having a control grid, and means responsive to the magnitude and direction of current flow to said electroresponsive device for controlling the potential impressed on the last mentioned control grids.

2,238,811
ELECTRIC REGULATING SYSTEM
Frederick E. Crever, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 20, 1940, Serial No. 357,590
8 Claims. (Cl. 171—223)

1. In combination, a load circuit, a dynamo-electric machine of the armature reaction excited type comprising a stationary member and a rotatable member provided with a commutator and including a set of primary brushes and a set of secondary brushes electrically displaced from said primary brushes and adapted to provide a primary and secondary circuit respectively through said rotatable member, a pair of control windings mounted on said stationary member and arranged to produce opposing magnetomotive forces along the axis of the primary armature reaction, means for connecting said load circuit to said secondary brushes, a control circuit for producing a unidirectional voltage which varies in accordance with a predetermined controlling influence, means for connecting one of said control windings to said control circuit, a second circuit for producing a second unidirectional voltage which varies in accordance with said predetermined controlling influence, means for variably energizing the other control winding from the first mentioned control circuit including an electric discharge device having an anode, a cathode and a pair of control grids, the anode-cathode circuit being connected to said other control winding, means for variably energizing one of the grids from the first mentioned control circuit in response to the voltage of the first mentioned control circuit, means for controlling the conductivity of said electric discharge device in response to the magnitude of the voltage of said second circuit comprising a second electric discharge device, and means responsive to the voltage of said second circuit for impressing a variable control potential on the other grid of the first mentioned electric discharge device.



2,238,812
BURGLARPROOF LATCH
Joseph D. Kitchens, Fort Worth, Tex.
Application July 14, 1939, Serial No. 284,510
2 Claims. (Cl. 292—105)



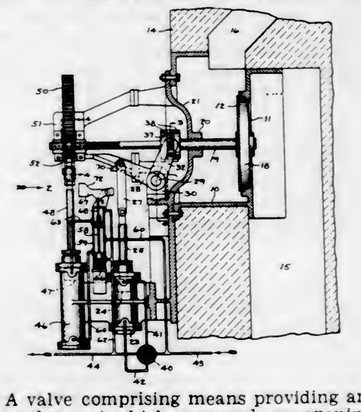
1. In a latch comprising an eye member and a hook having reversely bent portions one of which is adapted to engage in said eye and the other of which is formed with a threaded opening, an angular offset on said eye member having a threaded opening therein, said threaded openings being movable into registry with each other when the hook is engaged in the eye, and a locking screw threaded through the opening in the hook and through the opening in said offset into engagement with the eye-engaging portion of the hook.

2,238,813
RAZOR
Jacob L. Kleinman, New York, N. Y.
Application March 30, 1940, Serial No. 326,894
59 Claims. (Cl. 30—43)



1. A device for hair cutting or shaving purposes comprising a handle and shaving units, said units comprising stationary and reciprocating shearing elements, said stationary elements provided with shearing teeth, said teeth provided with flanges inclined towards each other, said reciprocating elements provided with undercut shearing teeth adapted to co-operate with the shearing edges of the teeth and of the flanges of said stationary elements, said elements provided with open floors, each of said units provided with a plurality of skin-engaging shearing faces, said handle provided with actuating sections adapted to engage said reciprocating elements for operable purposes, said units provided with adjustable tensioning means, said handle provided with illuminating means arranged below said open floors in position to shine through said open floors and also adjacent to the outer side faces of said units, said units adapted to be adjusted at various positions with respect to the handle, means for holding said units in adjusted position and means for facilitating the movements of said device upon the skin for operable purposes.

2,238,814
VALVE
Strickland Kneass, Jr., Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application October 19, 1939, Serial No. 300,135
2 Claims. (Cl. 137—139)



1. A valve comprising means providing an annular valve seat which surrounds an opening for the flow of fluid, a circular valve member mount-

ed for reciprocation along its axis into or out of contact with the seat to control the flow through the opening, a motor arranged to reciprocate the valve member, a second motor arranged to turn the valve member about its axis, and means to bring the second motor into action as the valve member approaches the seat.

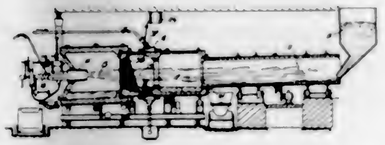
2,238,815

APPARATUS FOR THE DIRECT RECOVERY FROM ORES OF HEAVY METALS OF THE NONFERROUS GROUP

Julius Lohse, Berlin, Germany

Original application September 14, 1939, Serial No. 294,942. Divided and this application October 15, 1940, Serial No. 361,315. In Germany August 17, 1931

4 Claims. (Cl. 266—36)



1. In an apparatus of the character set forth, a converter rotary shaft furnace drum, a nonrotating manifold encircling the drum, the said drum having Bessemerizing tuyères leading through the wall thereof to the interior and communicating with said manifold, said manifold being divided into two portions which are arranged with respect to the drum to divide the tuyères into two groups, one group lying above the level of molten metal in the drum and the other group lying below the level of the molten metal, means for introducing a mixture of oil and air from one manifold section into the group of tuyères in communication therewith, and means for introducing air under pressure into the other manifold section for introduction through the other group of tuyères in communication therewith and which discharge into the drum beneath the molten metal lying therein.

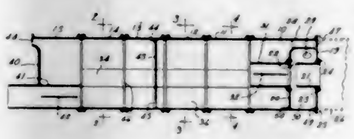
2,238,816

SILENCER

Hiram Hamilton Maxim, Hartford, and Leslie E. Knapp, Griswoldville, Conn., assignors to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut

Application December 2, 1939, Serial No. 307,288

13 Claims. (Cl. 181—48)



1. A muffler comprising a housing, a partition therein, a plurality of open-ended, aligned, longitudinally spaced intermediate conduit sections on either side of the partition, and inlet and outlet conduit sections at each end of the housing laterally offset from the intermediate conduit sections, said inlet and outlet conduit sections having their portions within the housing longitudinally slotted.

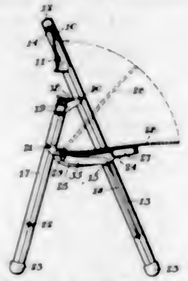
2,238,817

FOLDING CHAIR

Erving B. Morgan, Grand Rapids, and Raymond G. Moore, Grosse Pointe Farms, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application December 3, 1938, Serial No. 243,730

6 Claims. (Cl. 155—142)



1. A folding chair comprising a frame forming a back support and spaced front legs, a pair of spaced rear legs pivotally secured to the frame, a ball pivotally connected to the rear legs, means on the front legs for supporting the ball in its lowered position, a link pivotally secured to the ball and to the front legs for effecting folding and unfolding movements of the front legs of the chair relative to the rear legs thereof during the respective raising and lowering movements of the ball, and a seat pivotally secured to the ball.

2,238,818

PLANT PACKAGE

Marion R. Mulford and Harry Z. Gray, Lebanon, Ohio, assignors to Hewett P. Mulford & Company, Lebanon, Ohio, a partnership consisting of Hewett P. Mulford and Marion R. Mulford

Application February 5, 1937, Serial No. 124,195

Renewed June 29, 1939

7 Claims. (Cl. 47—37)



1. A plant package comprising an inner container of moisture proof material, a member interfitting with said container and comprising a portion forming a cover for said container fitting below the upper edge thereof, portions extending upwardly from said cover portion and forming therewith a well, and portions extending downwardly outside said container to the bottom thereof, and an outer cover member interlocking with said first mentioned member and having means to interlock about said container and member, said cover portion being perforated whereby liquid placed in said well has access only to the interior of said container.

2,238,819

PROCESS FOR THE CONDENSATION OF ZINC VAPORS

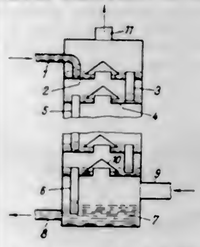
Pierre Nève, Sclaigneaux, Belgium

Application April 17, 1939, Serial No. 268,389

In Germany May 9, 1938

3 Claims. (Cl. 75—88)

3. The process of condensing pure zinc vapor or zinc vapor diluted by gas in which the zinc is transformed from vapor into liquid condition without passage through the dew point of zinc vapor and without formation of dust, compris-



ing bringing the zinc vapor into contact with molten lead at a temperature at least as high as the dew point of zinc vapor.

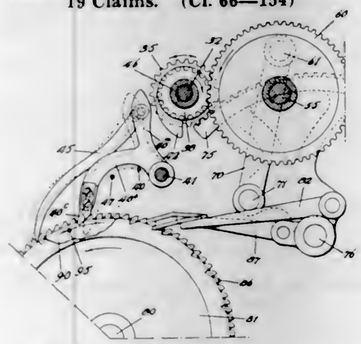
2,238,820

PATTERN CHAIN CONTROL MECHANISM

Frank R. Page, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application January 12, 1939, Serial No. 250,607

19 Claims. (Cl. 66—154)



1. In a circular knitting machine, a pattern chain, operating means for said chain providing a uniform step by step operation thereof and means providing a variable additional operation of said chain.

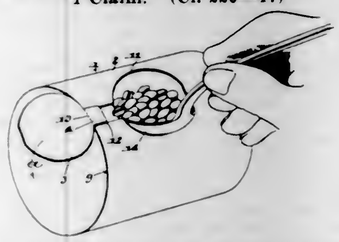
2,238,821

DESTRUCTIBLE CONTAINER

Jerry C. Peppers, New Orleans, La.

Application March 5, 1938, Serial No. 194,192

1 Claim. (Cl. 220—47)



A container having a cut directed crosswise of a side thereof adjacent to one edge and parallel thereto, the extremities of said cut merging into parallel cuts perpendicular thereto and extending longitudinally of said side and forming a lip, said parallel cuts having mergence places with semi-circularly continued cuts outlining a potentially swingable lid, the extremities of which cuts approach each other but stop in spaced relationship to leave an uncut bridge to initially secure said lid, the distance between said crosswise cut and said edge being approximately the same as the length of the parallel cuts to demarcate an eventual bending line across said mergence places so that the cap can be bent down to stay out of the way, and covering means applied in sealing relationship to the container over the various cuts and bridge and adapted to form a hinge at said lip on said crosswise cut.

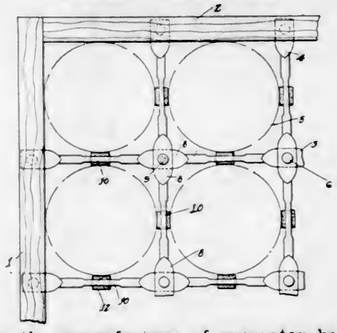
2,238,822

BOTTLE CRATE CONSTRUCTION

Dwight E. Priest, Worcester, Mass., assignor to Baker Box Company, Worcester, Mass., a corporation of Massachusetts

Application November 14, 1938, Serial No. 240,248

3 Claims. (Cl. 29—148.2)



1. In the manufacture of separator bars for bottle crates, the steps which involve flattening a plurality of normally substantially round rods at spaced points only of their lengths with adjacent flattened points of each rod at right angles to each other and with alternate flattened points substantially in the same plane, placing the rods at right angles to each other with the alternate flattened points located at the intersections of the bars and fastening the bars together at the points of intersection with the flattened points at the intersections lying flat against each other.

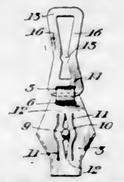
2,238,823

SLIDER FOR SLIDE FASTENERS

Simon Rosenthal, Homestead, Pa.

Application March 7, 1940, Serial No. 322,817

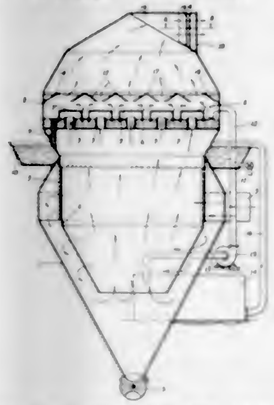
6 Claims. (Cl. 24—205.5)



4. A slider for slide fasteners including a base member having an integral extension at one end thereof forming a hinge part, integral portions adjacent the hinge part disposed upright from the member forming a spacing abutment, a top member pivotally engaging said hinge part, one of said members having a post extending toward the other, said other member having an aperture

and slots adjacent thereto providing a resilient socket for removably engaging the post, said post and socket and abutment spacing the slider members apart, said post being centrally positioned on its member and constructed to extend between and separate the slide fastener elements.

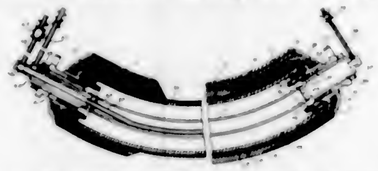
2,238,824
SEPARATION OF FINE PARTICLES FROM GASES
Arthur Ryner, London, England, assignor to Traughber Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application November 26, 1938, Serial No. 242,584
In Great Britain November 26, 1937
1 Claim. (Cl. 183—21)



Apparatus for removing dust and fume from gases comprising a casing having an inlet and an outlet for said gases and closed to the outside atmosphere between said inlet and outlet, said casing being formed with a cyclone separator for removing heavy or large particles, a froth floor mounted in said casing over the upper outlet end of the cyclone separator for removing the difficultly separable components and comprising a pan for mixed washing liquid and wetting agent, an overflow from the said pan, riser pipes extending through the bottom of the said pan to a level above the level of the overflow from the pan, and spaced cover members disposed over the pipes and dipping below the level of the overflow, a series of baffle members mounted in said casing one over each of the spaces between the cover members, an annular liquid-receiving trough surrounding the outlet end of the cyclone separator and having the overflow opening into it, a settling tank, a connection between the upper part of the trough and the settling tank and a pump connected between the said tank and a liquid inlet disposed close above the upper surface of the liquid in the pan.

2,238,825
VULCANIZING APPARATUS
Clyde M. Semler, Cuyahoga Falls, Ohio
Application December 29, 1937, Serial No. 182,316
13 Claims. (Cl. 18—45)

9. Tire repair apparatus comprising in combination, an expansible tubular bag closed at its ends, said bag having sufficient rigidity to normally retain its shape when its interior is open to the atmosphere and being provided with means restricting longitudinal expansion of said bag; an expansible and removable sleeve loosely mounted about said bag, said sleeve being of sufficient rigidity to normally retain its shape independently of said bag and being split longitudinally so as to be easily removable to allow substitution of sleeves of different size to adapt the

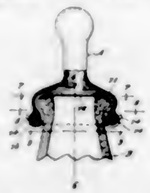


bag to fit tires of different internal diameters, and said sleeve serving also to control expansion of the bag when the latter is subjected to internal fluid pressure; and means for introducing fluid under pressure within said bag to expand it into intimate surface contact with said sleeve.

2,238,826
MONACYL ETHENONES AND A PROCESS OF MAKING THEM
John Carl Sauer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 13, 1938, Serial No. 234,844
11 Claims. (Cl. 260—550)

4. An intermolecular dehydrohalogenation product of two different primary monoacyl halides.

2,238,827
VENTING MEANS FOR NURSING NIPPLES
Carl J. Schmid, New York, N. Y., assignor to Julius Schmid, Inc., New York, N. Y., a corporation of New York
Application April 13, 1938, Serial No. 201,829
2 Claims. (Cl. 128—252)



1. In a flexible nipple having an open end adapted to fit over the neck of a bottle, an elastic strip spanning the open end of the nipple and having its ends folded back upon themselves and threaded through the nipple near its lower end from the outside towards the inside wall of the nipple, the portion of the elastic strip passing through the wall of the nipple being stretched and compressed to provide a tight grip between the nipple and the elastic strip, a portion of the elastic strip projecting inwardly of the wall of the nipple to provide a loop having a normal diameter, the elastic strip extending over the outer face of the lower edge of the nipple and being adapted to extend between the inner face of the nipple and the outer face of the neck of a bottle to provide air vents upon opposite sides of the elastic strip, the nipple being adapted to be rotated after being placed upon the neck of a bottle to cause the elastic strip to be stretched lengthwise and consequently reduce the diameter of that portion of the elastic strip between

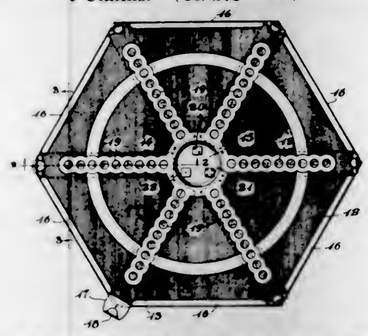
the nipple and the neck of the bottle for regulating the size of the air vents upon opposite sides of the elastic strip.

2,238,828
VENTED NIPPLE
Carl J. Schmid, New York, N. Y., assignor to Julius Schmid, Inc., New York, N. Y., a corporation of New York
Application April 30, 1938, Serial No. 205,313
3 Claims. (Cl. 128—252)



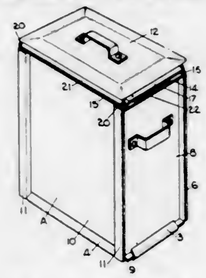
1. As an article of manufacture, an elastic nipple having a strip formed and fixed in position upon its inner face and adapted to contact with the neck of a bottle for slightly spacing the nipple from the neck of a bottle, the strip having irregularly-shaped side edges to provide circuitous air passages upon either side of the strip between the elastic nipple and the neck of a bottle, said irregularly-shaped side edges comprising protruding portions and receding portions, the elastic nipple in conjunction with the protruding portions constituting a plurality of valve-like means within the length of the strip to check the outflow of liquid through the air passages when suction within the nipple is discontinued, the elastic nipple comprising a thin-walled body and a thickened lower bead portion, and said thin-walled body having air vent apertures formed therein in close proximity with the edges of said strip and connecting with the air vent passages adjacent the side edges of the strip.

2,238,829
GAME
Jacobus G. Schoonderwoerd and Josephus R. Houtman, Enka, N. C.
Application March 26, 1940, Serial No. 326,094
6 Claims. (Cl. 273—134)



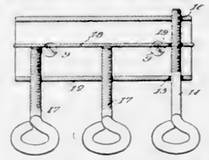
6. In a dice game of the type wherein an object is moved on a board under the control of the readings of a plurality of dice thrown simultaneously, a symmetrical polygonal board, a plurality of sets of indicia thereon, one set lying adjacent each corner of the board in one of a plurality of equal radial sectors thereof, each set of indicia being disposed in the same relative position with respect to its corner as every other set, the components of each set of indicia forming a progression, and countersunk independent masking means operatively associated with each set of indicia, each of said masking means being movable to uncover only in sequence the components of said progression, whereby a masking means may be moved by a player to uncover in sequence all of the consecutive components of the progression producible by reading a single die or by adding together the readings of any of the dice.

2,238,830
GARBAGE CAN
Clarence William Smith, Hamilton, Ontario, Canada
Application December 2, 1938, Serial No. 243,588
In Canada January 18, 1938
5 Claims. (Cl. 220—7)



1. In a garbage can, a bottom having a peripheral skirt, upturned and inturned beads on the skirt, a back wall having an outwardly directed flange at its lower edge receivable into a bead on the skirt, side walls having outwardly directed flanges at their lower edges receivable into beads on the skirt, said flanges and beads comprising hinges for the back and side walls, means for swinging the back and side walls outwardly from their normal substantially vertical positions, a removable front wall, and means on the removable wall cooperating with the swinging means for locking the back and side walls in their substantially vertical positions and locking the removable front wall to the side walls.

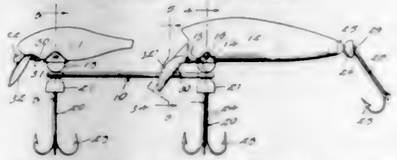
2,238,831
WORK HOLDING CLAMP
Alexander Steach, Dedham, Mass.
Application March 18, 1939, Serial No. 262,725
1 Claim. (Cl. 144—296)



A work holding clamp comprising an elongated frame of U-shape in cross section, a thumb screw disposed at one end of the frame passing freely through an opening in the front side of the frame and screw threadedly engaged in an opening in the rear side of the frame, said thumb screw extending transversely across the U-shaped frame and forming a stop to limit endwise sliding movement of a piece of work longitudinally between the sides of the frame, set screws engaged through the front side of the frame, and a combined pressure and protecting plate against

which the set screws exert pressure to clamp the work to the rear side of the frame, said plate being adapted to be adjusted by tightening one set screw and loosening the other set screw to pivot the plate on the thumb screw to hold tapered or wedge-shaped work, said plate being disposed within and extending longitudinally of the frame, said plate being provided with an opening of larger diameter than the thumb screw to receive the thumb screw and permit the thumb screw to slidably and pivotally and permanently connect the plate to the frame.

2,238,832
FISHING LURE
Albin H. Thoren, Chicago, Ill.
Application May 11, 1939, Serial No. 273,100
10 Claims. (Cl. 43—46)



1. A device of the class described comprising body members, a spacing element, means swivelly connecting said body members, intermediate of their ends, to the ends of said spacing element, and hooks loosely connected to said means and disposed beneath each of said body members.

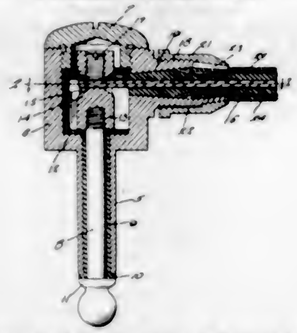
2,238,833
METHOD AND APPARATUS FOR PRODUCING DIPPED ARTICLES
Neil E. Tillotson, Watertown, Mass.
Application May 6, 1939, Serial No. 272,095
3 Claims. (Cl. 18—41)



1. The method of making a dipped rubber article having a generally rounded body, which consists in dipping a form having one or more flexible wings of proper contour attached to a central sustaining post, the protruding wings upon immersion within a latex bath being completely coated with an envelope of rubber, and thereafter withdrawing the winged support through an opening in one end of the rubber envelope, the wings being capable of distortion to permit withdrawal through a small opening.

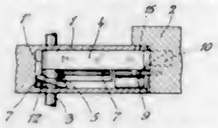
3. A form for dipped rubber products, comprising a support having a plurality of flexible wings extending therefrom in separated relationship and of predetermined contour, the wings being distortable or collapsible with respect to the support to facilitate withdrawal from within a rubber envelope produced thereabout.

2,238,834
ELECTRIC CONNECTOR PLUG
Joseph Travers, Providence, R. I., assignor of one-half to Richard Di Pippo, Providence, R. I.
Application May 16, 1940, Serial No. 335,580
2 Claims. (Cl. 173—361)



2. In an electric connector, a hollow head having one end open, a tubular shank extending from the other end, a tip passing through the shank and having its inner end threaded and located in the chamber formed by the hollow head, means for insulating the tip from the head and from the shank, a block located in the chamber formed by the head and having a threaded socket at one end for receiving the threaded end of the tip, said block having a transverse hole therein for receiving a conductor, and said block having a longitudinally extending threaded hole in its other end communicating with the transverse hole, a screw in said threaded hole for clamping a conductor to the block, a cap closing the open end of the head, a tubular lug extending from one side of the head and having a bore in communication with the head and means for holding a conductor cord in the lug, the conductor of which is connected with the block.

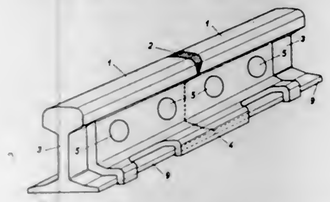
2,238,835
DOOR LOCK OR LOCKING DEVICE FOR DOORS, WINDOWS, AND THE LIKE
Finn Tveten, Oslo, Norway
Application September 17, 1938, Serial No. 230,474
In Norway June 1, 1938
1 Claim. (Cl. 292—334)



A latch for a body having a door opening and a recessed swinging door adapted to fit within said opening, one edge of the body portion defining the door opening being provided with a recess, comprising an element rotatably mounted within the recess of the door for rotation in the plane of the door, said rotatable element being of a shape substantially conforming to a sector of a disc, the peripheral edge thereof being wedge shaped to cooperate with the recess in the body to effect a latch, means constantly urging said element into latching position, means for manually retracting said element to a position wholly within the recess in said door, a notch in the lower radial edge of said element, a leaf spring having a projection thereon, said spring being attached to the door, lying wholly within the

recess thereof and acting in a direction parallel to the axis of rotation of said element, said projection being adapted to be received in said notch to hold the element wholly within the door recess in unlatched position, and a pin on the body adapted to engage said leaf spring when the door is closed to release the element, said pin lying in a plane parallel to the plane of rotation of said element when the door is closed and passing through the arc of travel of said element as the door is moved into closed position, the pin and leaf spring remaining in contact while the door is closed, whereby the sector will be constantly resiliently urged against a portion of the body defining the recess therein to prevent rattles.

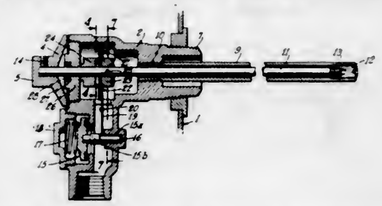
2,238,836
RAIL JOINT
Franz Vásárhelyi and Franz Tajovsky, Vienna, Austria, assignors to the firm Langschienen Gesellschaft m. b. H., Vienna, Austria, a company of Austria
Application January 25, 1937, Serial No. 122,274
In Austria October 2, 1936
2 Claims. (Cl. 238—164)



1. A railway rail joint, comprising a pair of rails arranged end to end, a pair of fish plates disposed respectively on opposite sides of the rail webs in contact therewith, said webs and plates having aligned rivet holes extending therethrough, said holes being enlarged at the planes of contact between said webs and plates, and rivets in said holes, said rivets being upset in said holes so as to be enlarged and fill out the enlargements of the rivet holes at said planes of contact so that the cross-sectional areas and shear resisting capacity of the rivets is greater at the planes where the shear is applied thereto in use, whereby fewer rivets and shorter fish plates can be used for joining the rail ends.

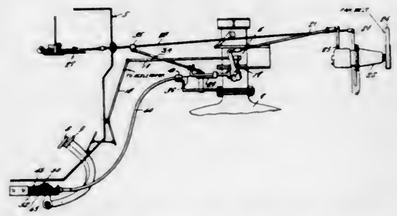
2,238,837
TEMPERATURE-REGULATING DEVICE
Sidney P. Vaughn, Long Beach, and Wayne E. Jenkins, Los Angeles, Calif., assignors to Domestic Manufacturing Company, Inc., Los Angeles, Calif., a corporation of California
Application May 9, 1940, Serial No. 334,192
15 Claims. (Cl. 236—48)

1. In a temperature-regulating device, thermosensitive means, a rod connected with said thermosensitive means and movable axially by said means in response to temperature changes, a hub member secured to said rod, a normally dished snap-action annulus mounted on said hub member, said annulus having an axial opening by which it is centered on said hub member, said hub member having a shoulder which bears against one face of said annulus adjacently to said axial opening, yieldable means bearing against the opposite face of said annulus and capable of exerting sufficient distorting pressure on said annulus to cause said annulus to snap from its normal form to its abnormal form, said annulus being capable of restoring itself to its



normal form when the distorting pressure is removed, and a valve operatively connected with the peripheral portion of said annulus.

2,238,838
AUTOMOBILE OR MOTOR VEHICLE ROBOT
Arlie Dee Warren, Muskogee, Okla.
Application July 5, 1939, Serial No. 282,953
1 Claim. (Cl. 137—139)

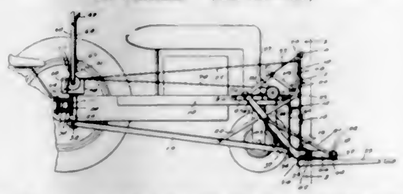


In a device of the class described, a pivotally mounted operating lever, a governor including a control arm, a rod connecting said lever and arm, a throttle operating arm connected to said governor, a clutch for connecting and disconnecting said operating arm to a throttle valve, a pivotally mounted bell crank lever connected to said clutch and including an apertured angularly disposed end, a second rod pivotally connected to said first rod and extending through the apertured end of the bell crank lever, and a stop collar formed on said second rod to engage with the apertured end of the bell crank lever.

2,238,839
CREASE-RESISTING TREATMENT OF TEXTILE MATERIALS
William Watkins, Prestwich, Manchester, England
No Drawing. Application July 20, 1939, Serial No. 285,625. In Great Britain August 17, 1935
10 Claims. (Cl. 91—70)

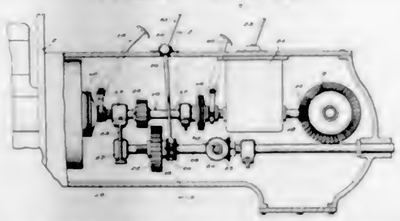
4. A process for imparting crease-resistant properties to textile fabric which includes applying to the fabric a liquid medium containing an aldehyde-hardenable film-forming organic reinforcement substance, drying the fabric to deposit such substance as a coating around the constituent fibers, mechanically working the fabric to unstick the constituent fibers from each other without breaking the reinforcement coating carried by the individual fibers, and heat treating the fabric in contact with an aldehyde and an accelerator, the heat treatment being such as to harden the reinforcement-forming substances sufficiently to give the fabric crease-resistant properties.

2,238,840
SWEEP RAKE
Emrich Weishaar, Ashton, Ill.
Application May 6, 1940, Serial No. 333,682
10 Claims. (Cl. 56—27)



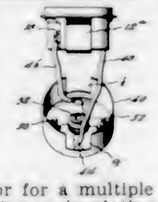
1. A sweep rake attachment for a tractor comprising a pair of push-bars disposed on opposite sides of and extending forwardly from the tractor, a supporting bracket member for each push-bar, means pivotally securing the rear end of a push-bar to a bracket member, means detachably securing said bracket members to the rear portion of the tractor, a bodily vertically shiftable upright wall member at the front of the tractor, means fixedly securing said wall member to the forward ends of said push-bars, a tine structure including a plurality of parallel tines, a pair of parallel bars connecting the rear portions of said tines together, a pair of levers fixed to said tine structure and including a lower arm fixed to said pair of parallel bars and an obtusely disposed upwardly and rearwardly directed arm, means pivotally securing said lower arms to the forward ends of said push-bars, a rock shaft rockably carried by said wall member, a pair of crank arms fixed to said shaft, a link pivotally connecting a crank arm with an upwardly and rearwardly directed arm, a shaft operating arm fixed to said shaft, means connected to said operating arm for rocking said shaft for adjusting the tine structure at an inclination, and means for elevating or lowering said push-bars at the forward ends thereof for bodily vertically shifting said wall member and tine structure in unison.

2,238,841
POWER TAKE-OFF FOR TRACTORS
Leo Allgeyer, McKittrick, Mo., assignor of one-half to A. E. Miller, Rhineland, Mo.
Application March 25, 1940, Serial No. 325,869
2 Claims. (Cl. 74—11)



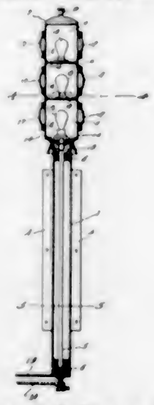
1. A power take-off for motor driven vehicles comprising in combination, a drive shaft for the vehicle including front and rear shaft sections, a variable speed transmission for the rear shaft section, a clutch device between the motor and the front shaft section, a clutch device between the front and rear shaft sections in advance of the transmission, a power take-off shaft, a gear on said front shaft section, and a gear on said power take-off shaft, said last named gear being movable into and out of engagement with the first named gear.

2,238,842
ELECTRIC RECEPTACLE FOR MULTIPLE RADIO ANTENNAE SYSTEMS
Ernest V. Amy, New York, N. Y., assignor to Amy, Aceves & King, Inc., New York, N. Y., a corporation of New York
Application October 5, 1939, Serial No. 298,149
10 Claims. (Cl. 175—356)



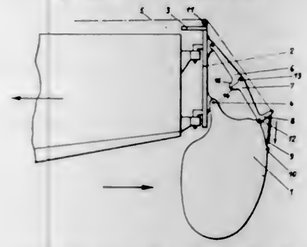
1. A connector for a multiple radio antennae system, comprising an insulating body pierced in its front face for the reception of the prongs of an attachment plug cap, and having wire terminals oppositely mounted on the side thereof, contacts within said piercings connected with said wire terminals, a member of sheet material secured across the back face of said insulating body supporting said contacts, a member of insulating material having a portion fitting around said body covering and shielding said terminals and a portion extending beyond the back thereof, a second set of mutually insulated wire terminals mounted on said last-mentioned member, and an impedance device housed within said extending portion and connected to said first and second sets of terminals, and means covering and protecting said impedance device from rear access.

2,238,843
TRAIN SIGNAL
James B. Anderson, Gilmer, Tex.
Application January 23, 1939, Serial No. 252,453
1 Claim. (Cl. 116—49)



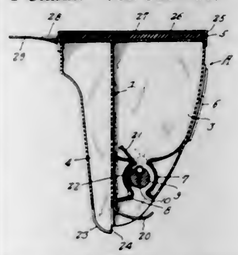
A train signal including a vertical tubular housing, spaced bearings in said housing, a shaft journaled in the bearings and projecting above the housing, a signal casing fixed on the upper end of said shaft, a substantially frusto-conical hood mounted on the upper end portion of the shaft, said hood receiving and enclosing the upper end portion of the housing, and vertically elongated, apertured flanges integral with one side portion of the housing and projecting in opposite directions therefrom, said flanges constituting means for attaching the housing to a support.

2,238,844
RETRACTABLE RUDDER
Erich Arbeitlang, Bremen-Huchting, Germany, assignor to Focke-Wulf Flugzeugbau G. m. b. H., Bremen, Germany
Application June 29, 1939, Serial No. 281,981
In Germany July 20, 1938
1 Claim. (Cl. 244—50)



The combination with a craft of a rudder means therefor, including a rudder post mounted for swinging on the craft for utilizing the rudder for steering purposes, a rudder pivotally connected to the post, a two part break lever means pivotally connected at one end to the post and at the opposite end to the rudder remote from the pivotal connection of the latter to the post, said lever means being movable to a substantially in-line position when the rudder is in operative position with respect to the craft to lock the rudder against other than movement responsive to the movement of the post, the lever means being provided with an arm projecting from the pivotal support of the lever means to the rudder in a direction from the pivotal support of the rudder on the post, a spring connecting the free end of the arm and the edge of the rudder, and manually operable means connected to the free end of the arm for overcoming the force of the spring and break the lever means to release the lock and permit movement of the lever to an inoperative position with respect to the craft.

2,238,845
DRINKING STRAW DISPENSER
Elmer C. Arnold, Bedford, Ind., assignor of one-half to Carl Chambers, Bedford, Ind.
Application April 16, 1940, Serial No. 329,970
1 Claim. (Cl. 312—84)

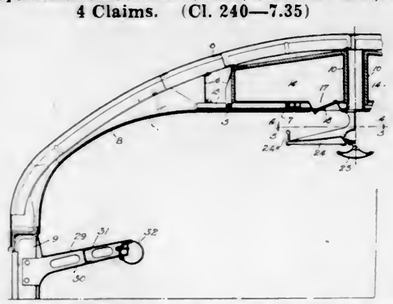


A straw dispensing device comprising a casing having its bottom open, front and rear bottom forming members in the lower part of the casing above the open bottom thereof, each member having a vertically arranged intermediate bowed part, a top part sloping upwardly and outwardly from the upper edge of the curved part and a lower portion extending outwardly from the lower edge of the curved portion, the upper and lower parts of the front member having their outer edges connected with the front wall of the casing and the upper and lower parts of the rear member having their edges connected with the rear wall of the casing, the curved members being spaced apart and bowing in opposite directions to form a substantially circular chamber having an inlet opening at its top and an outlet opening at its bottom, a roller passing through the chamber formed by the bowed parts and of considerable less diameter than the chamber formed by such bowed parts, said roller having a longitudinally extending groove therein for receiving a straw passing through the inlet opening, a flap-like member pivoted to the side walls of the casing slightly above the upper portion of the rear member and having a part normally resting against the rear wall of the inlet opening and a pin projecting from the circumference of the roller and moving in the space between the roller and the walls of the chamber and engaging the lower edge of the flap-like member when the roller has been rotated to a certain point, whereby the flap-like member is lifted and then dropped to agitate the straws in the casing, spring means for normally holding the roller with its groove uppermost and a handle connected with the roller for rotating the same.

2,238,846
PROCESS OF IMPROVING LUBRICATING OILS
Carl Clar, Oberhausen-Holten, Nikolaus Geiser, Duisburg-Hamborn, and Paul Kühnel, Oberhausen-Holten, Germany, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany
No Drawing. Application August 2, 1938, Serial No. 222,680. In Germany August 9, 1937
4 Claims. (Cl. 196—78)

1. In the production of lubricating oils by catalytically hydrogenating carbon monoxide, cracking the non-gaseous hydrocarbons thus obtained and converting the cracking products by means of a polymerizing agent which contains a substantial proportion of aluminium chloride into lubricating oils, the step of heating such a lubricating oil in the presence of a polymerizing agent to a temperature ranging between about 140 and 240° C., while excluding additions of halogenated hydrocarbons.

2,238,847
RAILWAY CAR
Henry Dreyfuss, New York, N. Y., assignor to The New York Central Railroad Company, a corporation of New York
Application December 3, 1936, Serial No. 114,075
4 Claims. (Cl. 240—7.35)



1. A passenger car having a passenger compartment, illuminating devices arranged at intervals along the center of the ceiling of the

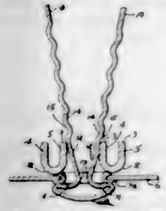
compartment, an air duct arranged above the ceiling and having outlets opening through the ceiling at spaced intervals along the center line of the ceiling, and a shielding means comprising a lower central shield arranged beneath the center of the ceiling and upper side shields having their inner edges in spaced relation and underlapped by the center shield and extending in opposite directions beneath and in spaced relation to the ceiling a portion of the distance between the center of the ceiling and sides of the car, the said shields operating to divide the light rays and air streams and direct the same toward the sides of the car.

2,238,848

FASTENER MEMBER

Frank E. Johnson, Malden, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 24, 1938, Serial No. 197,807
2 Claims. (Cl. 24—213)



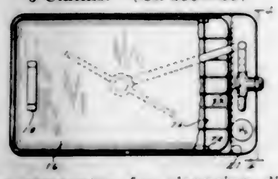
1. A fastener for attaching an apertured member to a support composed of spaced bars and the like, said fastener being formed of resilient sheet metal of greater width than thickness and comprising an elongated base having reversely bent ends extending toward each other and succeeding reversely bent portions extending outwardly in widely divergent relation providing opposed coplanar attaching legs of substantially greater length than said base, said legs being adapted for engagement with the adjacent sides of adjoining supporting bars and at least one of them being provided with a series of deformations throughout a substantial portion of its length for cooperative engagement with a bar, the free ends of said legs being spaced apart a distance greater than the length of said legs to insure a high tensional engagement between said legs and bars, said fastener being readily attached to and detachable from said bars by a direct axial pressure applied to said base.

2,238,849

WASHING APPARATUS FOR DISHES, SILVERWARE, AND THE LIKE

Nils Kastberg, Ramlosa, Sweden, assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y., a corporation of New York

Application June 20, 1940, Serial No. 341,570
In Sweden February 21, 1939
6 Claims. (Cl. 299—69)



1. In an apparatus for cleansing dishes and the like, a stationary spray unit, a rotatable member on said unit, a tubular jet on said member, said jet having a slot extending longitudinally of and substantially the full length of said jet, and tubular means on said jet for varying the width of said slot whereby to control the force and volume of water expelled therefrom when said unit is connected with a water pressure system.

2,238,850

MILDEWPROOFING AND MOTHPROOFING TREATMENT

Martin Leatherman, Hyattsville, Md.

No Drawing. Application November 23, 1938, Serial No. 242,124
4 Claims. (Cl. 21—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An article of manufacture comprising a rubberized cellulose fabric impregnated with a mildewproofing agent compatible with rubber, said agent containing a fatty acid soap of cadmium as its essential active ingredient.

2,238,851

THERMAL TREATMENT OF CARBONACEOUS MATERIALS

Mathias Pier, Heidelberg, and Wilhelm v. Fuener and Walter Simon, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard Catalytic Company, a corporation of Delaware

No Drawing. Application July 15, 1939, Serial No. 284,716. In Germany July 16, 1938
12 Claims. (Cl. 196—52)

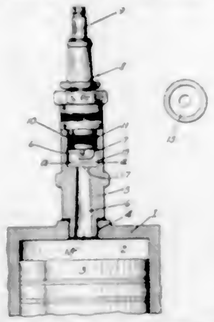
1. A process for the production of hydrocarbons from a carbonaceous material by thermal treatment at temperatures of between 300° and 600° C., in the presence of a catalyst, which comprises using as catalyst a mixture of metal sulphides, which has been obtained by mixing in a dry state an ammonium thio-salt of a metal of the 6th group of the periodic system with a salt, containing carbon in combined form, of a metal of the iron group and heating the mixture at temperatures above 300° C., at least until the formation of ammonia ceases.

2,238,852

SPARK PLUG

Harold D. Regar, Reading, Pa.

Application July 8, 1939, Serial No. 283,350
2 Claims. (Cl. 123—169)



1. The method of firing a compressed charge of combustible gases in the cylinder chamber of an internal combustion engine, which comprises forcing a portion of each cylinder charge through a restricted communicating way into a firing chamber extension of said cylinder chamber, reducing the pressure of such charge portion by natural expansion in said firing chamber, heating said charge portion by conducted heat from its chamber confining walls, firing said portion by means of an electric spark in said firing chamber, and directing the flame of said chamber-ignited portion back through said communicating way and spreading the same over the compressed charge in said cylinder chamber to ignite the entire mass of the latter.

2,238,853

METHOD OF MAKING PULP MOLDING DIES

Ernest L. Shepard, Fairfield, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, as trustee, a national-banking association

Original application August 24, 1938, Serial No. 226,507, now Patent No. 2,192,937, dated March 12, 1940. Divided and this application March 9, 1939, Serial No. 260,731
3 Claims. (Cl. 76—107)



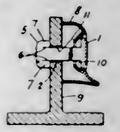
1. In the method of making a pulp molding die the working surface of which comprises a plurality of edgewise abutting perforate mold sections and individual conforming perforate coverings clamped between abutting edges of said mold sections, the steps which comprise separately finishing all parts making up the die assembly except for the final finishing of the working surface of the mold sections, clamping said die parts as an assembled unit in their proper relationship but with shims inserted between the abutting covering-clamping edges of the mold sections in lieu of the perforate coverings for said mold sections, finishing the contour of the working surface of the die while the die parts are thus clamped, independently forming the individual perforate coverings to the size and contour of the mold sections in readiness for clamping the same between the abutting covering-clamping edges of said mold sections, releasing the clamped mold section assembly, removing the shims, inserting the formed perforate coverings, and re-assembling the die unit with the marginal edges of the perforate coverings tightly clamped between the abutting covering-clamping edges of the mold sections.

2,238,854

DETACHABLE FASTENING DEVICE

George Wagstaff, Nottinghamshire, England, assignor to Carr Fastener Company Limited, Stapleford, England

Application December 17, 1938, Serial No. 246,386
In Great Britain February 2, 1938
3 Claims. (Cl. 85—5)



1. A fastener for detachably fastening apertured members together comprising a shank in the form of a pair of substantially flat resilient metal arms extending from a head portion and the free end of each arm being provided with a laterally projecting flexible portion at each side, the shank being adapted to extend through apertures in the members to be fastened, the head portion engaging the face of one of the members and the lateral projections being adapted, on rotation of the fastener, to overlap the edges of the aperture in another of the members to lock the fastener in position.

2,238,855

DYESTUFF COMPOSITION

Norman S. Cassel, Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application January 10, 1940, Serial No. 313,202
5 Claims. (Cl. 8—71)

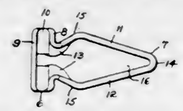
1. A composition adapted to be emulsified comprising a dispersion of a material of the group consisting of dyestuffs and dyestuff components soluble in water, and dyestuffs and dyestuff components soluble in dilute aqueous alkali, in a water-immiscible organic liquid having no appreciable solvent action on the dyestuff component, said liquid comprising a volatile water-immiscible organic solvent having dissolved therein sufficient of a water-insoluble film-forming substance to make the liquid capable of emulsifying water therein.

2,238,856

SNAP FASTENER MEMBER

Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 12, 1938, Serial No. 207,540
15 Claims. (Cl. 24—73)



1. A fastener member formed from a single piece of sheet metal, said fastener member having a base portion, and a snap fastener stud portion extending in angular relation to said base portion, said stud portion comprising a pair of opposed yieldable socket-engaging portions and connecting portions joining said socket-engaging portions to said base portion, said socket-engaging portions having diverging and converging outer sides for snap fastener engagement with a socket member, said sides being broader than the thickness of the metal thereof and the planes of said sides being substantially perpendicular to the planes of said respective connecting portions.

2,238,857

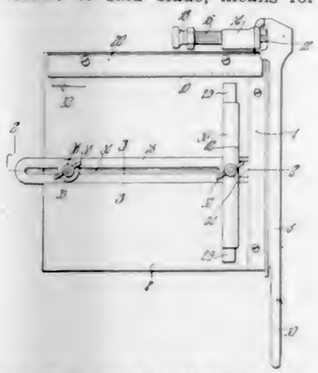
CARD TRIMMER

William H. Ford, East Longmeadow, Mass., assignor to Milton Bradley Company, Springfield, Mass., a corporation of Massachusetts

Application August 23, 1940, Serial No. 353,824
3 Claims. (Cl. 164—44)

1. A card trimmer of the class described comprising in combination, a flat support member having associated therewith a straight stationary blade and a pivoted knife adapted for co-acting shearing relationship, said support being provided with a longitudinal slot in its upper side extending substantially at right angles to said

blade, a member slidable in said slot, and a straight edge member pivoted to said slidable member for swinging to various angular positions relative to said blade, means for releas-



ably fixing said pivoted straight edge in desired angular position, and guide means for said slidable member including an upstanding pin in said slot in releasable engagement with said slidable member.

2,238,858

COLORING CEMENT ARTICLES

Albert Hloch, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application April 11, 1939, Serial No. 267,346. In Germany October 21, 1936

6 Claims. (Cl. 8—8)

1. A process for imparting to cement articles a superficial coloration which comprises first treating the freshly made article with a solution of a heavy metal salt adapted to furnish, by reaction with alkaline agents, a substantially water-insoluble coloring compound, and subsequently submitting the article to a treatment with an alkaline reacting agent containing available chlorine so as to precipitate said coloring compound in the superficial layers of said article.

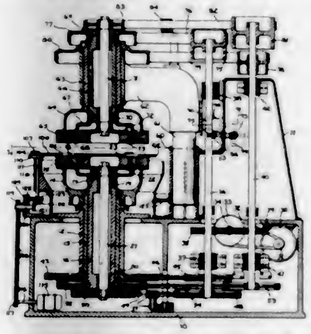
2,238,859

LAPPING MACHINE

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application September 15, 1939, Serial No. 295,093

10 Claims. (Cl. 51—118)



1. In a lapping machine, a pair of opposed lapping elements, each of said lapping elements comprising a plurality of concentric independently rotated lapping wheels, means independently to rotate each of said wheels, a work supporting cage between said elements having a plurality of work receiving apertures formed therein, means to impart a planetary movement to at least one of said lapping wheels, and a driving mechanism for said cage to rotate and gyrate said cage to carry a plurality of work pieces through an irregular path between the operative faces of said lapping elements.

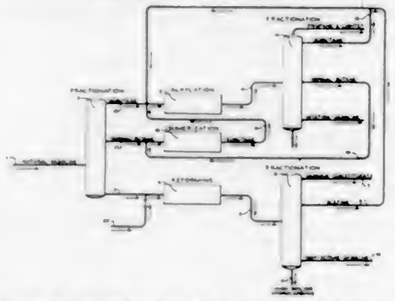
2,238,860

MANUFACTURE OF MOTOR FUEL

Lebbeus C. Kemp, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application August 15, 1939, Serial No. 290,172

2 Claims. (Cl. 196—10)



1. In a process for the conversion of natural gasoline hydrocarbons to high octane motor fuel hydrocarbons the steps which comprise fractionating natural gasoline to separate therefrom fractions respectively rich in normal butane and isobutane and to produce a fraction comprising mainly hydrocarbons of higher molecular weight than butane, subjecting the normal butane fraction to isomerization to produce isobutane, subjecting the fraction comprising hydrocarbons of higher molecular weight than butane to thermal conversion to form olefin hydrocarbons including normally gaseous olefins, fractionating the products of conversion to separate therefrom a fraction comprising C_3 and C_4 hydrocarbons, including olefins, and a high boiling fraction comprising motor fuel hydrocarbons of relatively high octane rating, subjecting said C_3 and C_4 fraction to alkylation with said isobutane, and subjecting the products of alkylation to fractionation to separate therefrom a fraction comprising hydrocarbons suitable as aviation motor fuel of high octane value.

2,238,861

ELECTRODEPOSITION OF METALS

Rudolf Lind, Euclid, William J. Harshaw, Shaker Heights, and Kenneth E. Long, South Euclid, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Application July 6, 1938, Serial No. 217,774

3 Claims. (Cl. 204—49)

1. A nickel plating bath comprising an aqueous, acid solution of a nickel electrolyte of the class consisting of nickel sulfate, nickel chloride and mixtures thereof, said solution having the capability of producing bright and ductile deposits of nickel, such capability having been imparted

thereto by the inclusion therein of cooperating addition agents, one of said addition agents consisting of one or more aromatic amino compounds soluble in the bath to the extent of at least 0.002 gram per liter and characterized by a brightening and embrittling tendency at a concentration between 0.002 and 0.10 gram per liter, the other of said addition agents consisting of one or more sulfur containing aromatic compounds soluble in the bath to the extent of at least 0.2 gram per liter selected from the group consisting of the naphthalene mono-, di-, and tri-sulfonates, benzene sulfonamides, toluene sulfonamides, ortho benzoic sulfimides (saccharin, soluble saccharin) and sulfohydroxamic acid and characterized by a ductilizing tendency, said first mentioned addition agent being maintained in solution in concentration from 0.002 to 0.10 gram per liter and said second mentioned addition agent being maintained in solution in concentration above 0.2 gram per liter, said addition agents cooperating to produce bright and ductile electrodeposits of nickel.

2,238,862

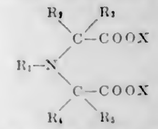
DESIZING AGENT

Wilhelm Neugebauer, Wiesbaden-Biebrich, Germany, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany

No Drawing. Application November 16, 1938, Serial No. 240,861. In Germany December 1, 1937

5 Claims. (Cl. 195—64)

1. A desizing agent which comprises amylase and a water-soluble compound of the formula:



wherein R_1 to R_5 stand for hydrogen, an aliphatic, cycloaliphatic or aromatic residue and X for a cation which does not disturb the action of the amylase.

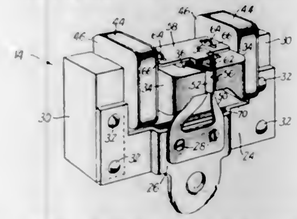
2,238,863

TRANSLATION DEVICE FOR PHONOGRAPHS

Leland D. Norton, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York

Application March 21, 1939, Serial No. 263,229

16 Claims. (Cl. 179—100.41)



1. An electro-mechanical translating device, comprising, in combination, means forming a magnetic circuit including a trough-shaped air gap of predetermined form having pole faces symmetrically disposed with respect to a plane bisecting said air gap, a wedge-shaped armature of predetermined form positioned in said air gap, means for mounting said armature for movement in said air gap along a path parallel to said bisecting plane in correspondence to changes in the flux in said magnetic circuit, and electrical means associated with said magnetic circuit having an electrical characteristic variable in correspondence with said flux changes therein, the forms of said air gap and armature being chosen so that the relationship between the movement of said armature and the change of flux of said magnetic circuit follows a predetermined non-linear function.

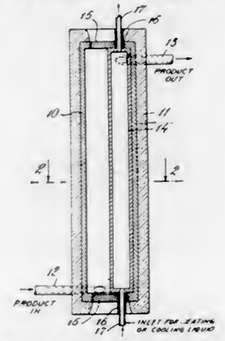
2,238,864

PROCESSING EQUIPMENT

Malcolm F. Pratt, Woodbury, and Carleton H. Schlesman, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application September 15, 1939, Serial No. 295,094

4 Claims. (Cl. 259—5)



1. Apparatus for conducting operations involving the formation in connection with a fluid reactant of a viscous, plastic or semi-solid phase comprising an outer cylinder with closed ends, means to flow fluid reactant longitudinally therethrough, at least one internal cylinder therein so mounted as to provide contact of the inner and outer cylinders along a common element, the inner surface of the outer cylinder and the outer surface of the inner cylinder being formed with matching longitudinal corrugations whereby the cylinders may intermesh in the fashion of an internal spur gear and pinion, means to flow fluid reactant longitudinally therethrough, means to pass fluid heat transfer medium through said inner cylinder while isolating it from contact with reactant fluid, and means to successively bring different portions of the outer surface of the inner cylinder in contact with different portions of the inner surface of the outer cylinder.

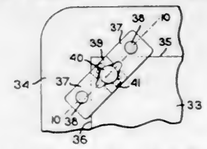
2,238,865

FASTENING DEVICE

Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut

Application May 1, 1939, Serial No. 271,088

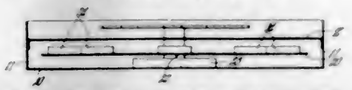
3 Claims. (Cl. 24—221)



3. Releasable means for fastening to a main

plate of sheet material having an aperture therethrough a panel of sheet material fitting said aperture with the edges of said plate and panel in edge to edge abutting relationship and with their outer surfaces in the same plane, comprising an integral separately formed keeper plate attached to the rear face of said main plate and extending diagonally across a corner portion of said aperture and secured at its end to said main plate providing a stop against which the panel may be clamped, said keeper plate having an intermediate offset resilient portion provided with a keyhole slot spaced from said panel when the latter is in position against said keeper, a locking stud rotatably mounted in said panel having a head engaging the outer face of said panel and having a transverse cross bar extending through the upper end of said shank adapted together with the end of said stud to be inserted through the keyhole slot in said keeper, the resilient portion of said keeper having means operable upon rotation of said stud to draw said panel firmly against said keeper and having means to prevent rotation of said stud and thereby to lock the panel firmly against vibration or displacement.

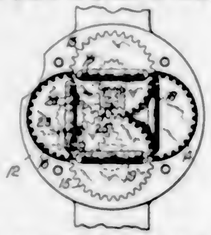
2,238,866
COLORING DEVICE
George D. Roberts, Agawam, Mass., assignor to Milton Bradley Co., Springfield, Mass., a corporation of Massachusetts
Application February 14, 1940, Serial No. 318,892
2 Claims. (Cl. 41—4)



2. A coloring device of the class described comprising in combination, a receptacle having a bottom wall and side walls extending upwardly therefrom at all marginal edges thereof, a panel spaced upwardly from the said bottom wall extending between said side walls closing said receptacle provided with a window therethrough, a rotatable member between said bottom wall and panel, spaced coloring materials carried thereby, the said rotatable member mounted for rotation to bring any one of the coloring materials beneath said window, a member extending above said panel associated with and rotated by rotation of said rotatable member, an operating member fixed to said last-named member provided with finger engaging openings to facilitate rotation thereof by a finger of the hand thereby to rotate rotatable member, and the said operating member carrying color indicating means corresponding to the color materials on the rotatable member whereby a certain coloring material on the rotatable member may be disposed beneath said window.

2,238,867
COMPENSATOR FOR GYROMAGNETIC COMPASSES
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 7, 1938, Serial No. 233,757
4 Claims. (Cl. 33—225)

1. In a compensator for magnetic compasses, two pairs of compensating permanent magnets of predetermined measured magnetic strength, the magnets of each pair being parallel when positioned for zero compensation and the two pairs in said position forming a square in which adjacent magnetic poles are of opposite sign thereby comprising a substantially closed magnetic circuit, two pairs of mutually meshed gears each carrying one of said magnets, a shaft for each of said pairs of gears to change their relative position, an indicator for each of said shafts, markings on said indicators to indicate the sense of compensation, and graduations cooperating with said markings showing substantially the amount of compass deviation produced by said compensation.



2,238,868
PURIFYING GONADOTROPIC HORMONAL SUBSTANCE
George F. Cartland, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich.
No Drawing. Application April 8, 1937, Serial No. 135,769
11 Claims. (Cl. 167—74)

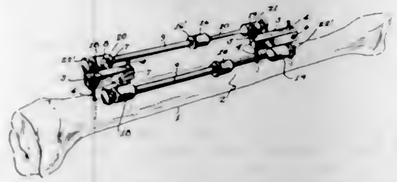
1. In the process of purifying the gonadotropic hormone occurring in the blood of pregnant equine animals during early pregnancy, the steps of producing a substantially alkaline solution of the hormone and its naturally occurring impurities in water and a solvent selected from the group consisting of acetone and alcohol, controlling the concentration of said solvent to make the mixture capable of holding the hormone in solution and incapable of holding a portion of the impurities in solution, adjusting the pH of the mixture to make it acid and capable of retaining the hormone in solution and substantially incapable of retaining the balance of the impurities in solution, separating the supernatant liquid, increasing the concentration of the solvent in the supernatant liquid to a point at which the supernatant liquid is incapable of holding the hormone in solution, and separating the precipitated hormone.

2,238,869
AMBULATORY SPLINT
Herbert H. Haynes, Clarksburg, W. Va.
Application March 25, 1938, Serial No. 198,122
17 Claims. (Cl. 128—92)



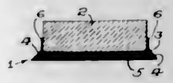
11. An ambulatory splint comprising a pair of base members, means for connecting each base member to a bone fragment, said means comprising a pair of skeletal pins spaced to hold the fragment rigid, extensible means connecting the base members, and ball and socket connections between the respective ends of the extending means and the base members.

2,238,870
AMBULATORY SPLINT
Herbert H. Haynes, Clarksburg, W. Va.
Application February 4, 1939, Serial No. 254,669
14 Claims. (Cl. 128—92)



5. An ambulatory splint comprising a pair of block-like base members of sufficient thickness to provide a bearing for skeletal screws, a pair of skeletal screws associated with each base member for connecting the same to a bone fragment, an extensible rod, and separable ball and socket connections between the base members and the respective ends of the rod.

2,238,871
METAL BRICK FORM
Max Rothbart, New York, N. Y.
Application September 7, 1939, Serial No. 293,745
3 Claims. (Cl. 72—36)

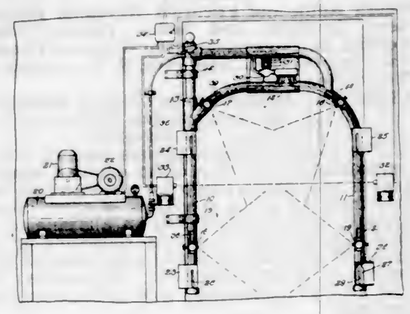


1. In a blank having the corners cut out at a reflex angle, said blank adaptable to be extended into a box-like member having a bottom with converging trough and channel portions and extending side and end wall portions, said corners cut out at said reflex angle forming a mitre joint interconnecting said trough and channel portions, a special cement filling secured into said trough and channel portions, a brick form placed onto said cement filling whereby said brick form becomes an integral part of said box-like member.

2,238,872
FLY CONTROL METHOD AND APPARATUS
George C. Mather, Oak Park, and Russel S. Lingard, Chicago, Ill., assignors to Babson Bros. Co., a corporation of Illinois
Application April 29, 1940, Serial No. 332,384
6 Claims. (Cl. 119—159)

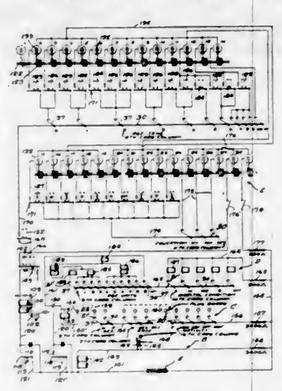
1. Apparatus of the character described for controlling flies to prevent decrease in the production of dairy herds caused thereby, including: a pair of confining members between which the cows may be passed; a plurality of spray nozzles associated with said members and in a plane traversed by the cows; a source of air under pressure; means connecting said source with all of the nozzles; means for supplying the nozzles with a liquid harmful to the insects; an electrically actuated valve controlling flow of air to the nozzles, and thus generation of spray thereat; and control means automatically operative, upon passage of an animal between the confining members, to open the valve, the control means including a beam of light so located as to be broken by the cow after its eyes are beyond said plane.

4. The method of spraying living beings with a liquid deleterious to insects which consists of placing an intangible medium across the path



of movement of the beings, and causing intersection of the medium to initiate application of a spray of said liquid.

2,238,873
SELECTIVE CONTROL CIRCUIT FOR UNIT TABULATING MACHINES
Edgar A. Nelson, Jr., Silver Spring, Md.
Application October 14, 1938, Serial No. 235,113
2 Claims. (Cl. 235—61.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a tabulating machine, a plurality of counters, each having an operating magnet therefor, a plurality of columns of card sensing brushes corresponding with a plurality of card columns, a plurality of counter circuits, each including one of said counter magnets and one or more of the brushes in a given column, a plurality of counter relays actuated by sensing brushes in other columns and each relay controlling one or more of said counter circuits, a card class control circuit including selectively connected brushes responsive to a predetermined class for sensing the card columns and only operative when there is agreement between the selected sensing brushes and the perforations in the card columns, a relay in the card class control circuit, contacts controlled by said relay, said relay being energized by the said class control circuit passing progressively through selectively connected brushes, each brush constituting an element of a combined classification.

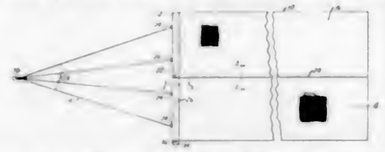
2,238,874
ISOALLOXAZINES AND MANUFACTURE THEREOF
Richard Kuhn and Friedrich Weygand, Heidelberg, Germany, and Arthur Herbert Cook, London, England, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 3, 1935, Serial No. 29,732. In Germany July 12, 1934
31 Claims. (Cl. 260—211)

1. The process which comprises reacting a salt of a monocyclic arylene ortho diamine substituted in one amino group by a substituent selected from the group consisting of alkyl, cycloalkyl and benzyl groups with an alloxane compound selected from the group consisting of alloxanes, N-alkylalloxanes and their bisulfite derivatives, hydroxypyrimidones, alloxantine, dialuric acid and isodialuric acid to form an isoalloxazine.

25. 6.7-dimethyl-9-l-arabityl-isoalloxazine.

2,238,875
AERIAL TRAILER
Frank G. Manson, Dayton, Ohio
Application August 14, 1939, Serial No. 290,056
17 Claims. (Cl. 273—105.3)

1. An aerial trailer of the flag type adapted to be towed by aircraft having a main body portion formed of wire mesh material with the leading edge thereof doubled and secured to itself to form a loop extending transversely of said main body portion, said wire mesh material being sufficiently rigid to resist the forces causing flutter in the main body portion when the trailer is towed and having a mesh of a size small enough to cause the material to appear substantially opaque at the distance intended for use, and of a size large enough to offer little resistance to the passage of air through the material if the main body portion should flutter; a rigid member disposed in said loop portion, said member having a plurality of eyes attached thereto for receiving the ends of a corresponding number of hitch cables.



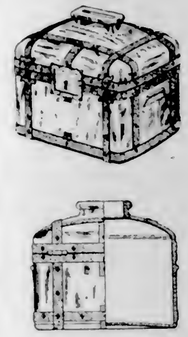
2,238,876
AERIAL TRAILER
Frank G. Manson, Dayton, Ohio
Application August 14, 1939, Serial No. 290,057
23 Claims. (Cl. 273—105.3)



1. An aerial trailer for attaching to an aircraft or other vehicle comprising a sleeve as the main body portion and a partially restricted rear portion made of a mesh material, said sleeve having a form shaping ring at the opening thereof, said ring being formed of a plurality of convolutions of flexible wire.

DESIGNS
APRIL 15, 1941

126,549
DESIGN FOR A GLASS BANK OR ARTICLE OF SIMILAR NATURE
Ferdinand S. Barbiers, Lancaster, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application January 3, 1941, Serial No. 97,796
Term of patent 7 years



The ornamental design for a glass bank or article of similar nature, substantially as shown.

126,550
DESIGN FOR A CARPET OR SIMILAR ARTICLE
Augusta K. Bartholomew, New York, N. Y., and Francis M. Hirst, Philadelphia, Pa., assignors to Archibald Holmes & Son, Philadelphia, Pa., a corporation of Pennsylvania
Application February 10, 1941, Serial No. 98,900
Term of patent 3½ years



The ornamental design for a carpet or similar article, substantially as shown.

126,551
DESIGN FOR A DOOR PULL OR THE LIKE
Earl Borchers, Rockford, Ill., assignor to American Cabinet Hardware Corporation, Rockford, Ill., a corporation of Illinois
Application January 31, 1941, Serial No. 98,605
Term of patent 7 years



The ornamental design for a door pull or the like, substantially as shown.

126,552
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,581
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,553
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,728
Term of patent 3½ years



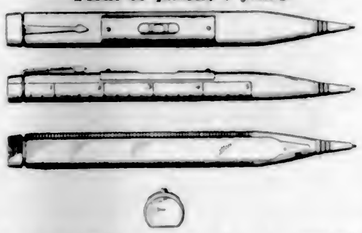
The ornamental design for a textile fabric, substantially as shown and described.

126,554
DESIGN FOR A ROASTER
John Carroll Fletcher, Dunbar, W. Va.
Application September 17, 1940, Serial No. 95,148
Term of patent 14 years



The ornamental design for a roaster, as shown.

126,555
DESIGN FOR A COMBINATION PENCIL, RULER, AND LEVEL
Morris Gurtov, New York, N. Y.
Application January 25, 1941, Serial No. 98,386
Term of patent 7 years



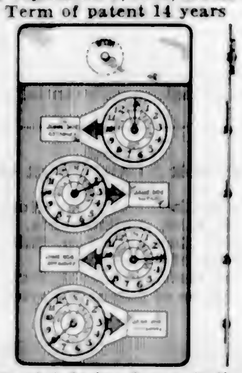
The ornamental design for a combination pencil, ruler, and level, substantially as shown.

126,556
DESIGN FOR AN EMBROIDERED LACE TRIMMING OR SIMILAR ARTICLE
Robert Koenig, Hasbrouck Heights, N. J.
Application March 3, 1941, Serial No. 99,293
Term of patent 3½ years



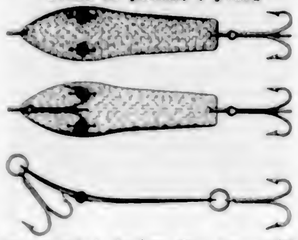
The ornamental design for an embroidered lace trimming or similar article, substantially as shown.

126,557
DESIGN FOR AN INDICATOR DEVICE
Joseph Lewis, Los Angeles, Calif.
Application September 9, 1940, Serial No. 94,906
Term of patent 14 years



The ornamental design for an indicator device, as shown.

126,558
DESIGN FOR AN ARTIFICIAL BAIT
Claude V. Mangle, Livermore, Iowa
Application February 7, 1941, Serial No. 98,833
Term of patent 7 years



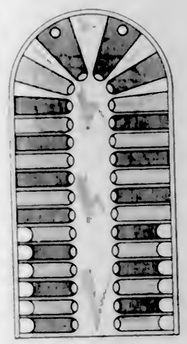
The ornamental design for an artificial bait, as shown.

126,559
DESIGN FOR A CABINET FOR A VENDING MACHINE
John F. Meyer, Chicago, Ill., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1940, Serial No. 97,509
Term of patent 7 years



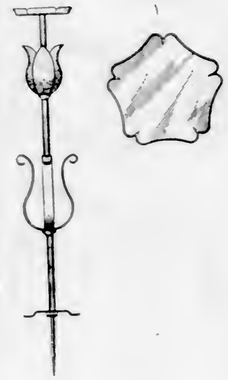
The ornamental design for a cabinet for a vending machine, as shown.

126,560
DESIGN FOR A GAME BOARD
Werner F. Otte, New York, N. Y.
Application December 13, 1940, Serial No. 97,291
Term of patent 7 years



The ornamental design for a game board, as shown and described.

126,561
DESIGN FOR A LAWN STAND FOR SUPPORTING OR HOLDING MISCELLANEOUS ARTICLES
Albert B. Tenney, Boston, Mass.
Application January 31, 1941, Serial No. 98,614
Term of patent 14 years



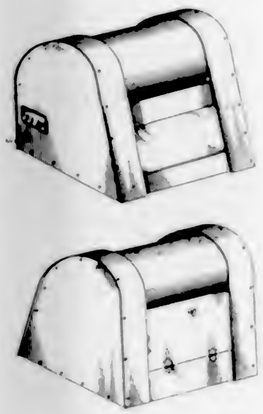
The ornamental design for a lawn stand for supporting or holding miscellaneous articles, substantially as shown.

126,562
DESIGN FOR A COAT
Morris Weinstein, New York, N. Y.
Application February 19, 1941, Serial No. 99,115
Term of patent 3½ years



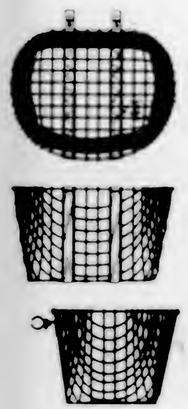
The ornamental design for a coat, as shown.

126,563
DESIGN FOR A ROASTER FOR NUTS, COFFEE, OR THE LIKE
Allmand S. White, Norfolk, Va.
Application January 24, 1941, Serial No. 98,373
Term of patent 14 years



The ornamental design for a roaster for nuts, coffee, or the like, as shown.

126,564
DESIGN FOR A BICYCLE BASKET
Arthur G. Andrews, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application January 17, 1941, Serial No. 98,163
Term of patent 7 years



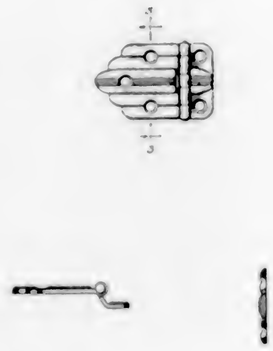
The ornamental design for a bicycle basket, substantially as shown.

126,565
DESIGN FOR A HINGE
Earl Borchers, Rockford, Ill., assignor to American Cabinet Hardware Corporation, Rockford, Ill., a corporation of Illinois
Application January 31, 1941, Serial No. 98,606
Term of patent 7 years



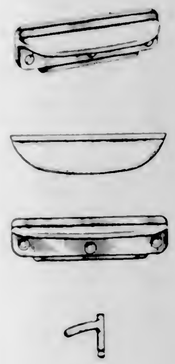
The ornamental design for a hinge, substantially as shown.

126,566
DESIGN FOR A HINGE
Earl Borchers, Rockford, Ill., assignor to American Cabinet Hardware Corporation, Rockford, Ill., a corporation of Illinois
Application January 31, 1941, Serial No. 98,607
Term of patent 7 years



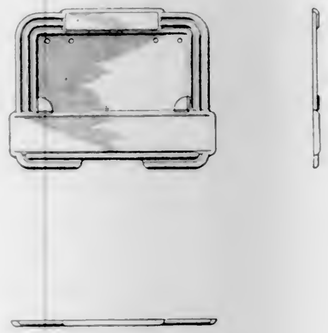
The ornamental design for a hinge, substantially as shown.

126,567
DESIGN FOR A SASH LIFT OR THE LIKE
Earl Borchers, Rockford, Ill., assignor to American Cabinet Hardware Corporation, Rockford, Ill., a corporation of Illinois
Application January 31, 1941, Serial No. 98,608
Term of patent 7 years



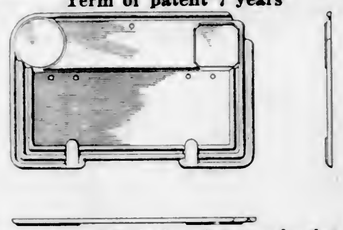
The ornamental design for a sash lift or the like, substantially as shown.

126,568
DESIGN FOR A CALENDAR STAND OR SIMILAR ARTICLE
Carlyle N. Montanye, Baltimore, Md.
Application January 30, 1941, Serial No. 98,553
Term of patent 7 years



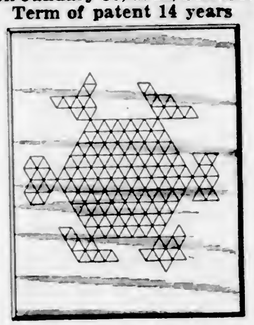
The ornamental design for a calendar stand or similar article, as shown.

126,569
DESIGN FOR A CALENDAR STAND OR SIMILAR ARTICLE
Carlyle N. Montanye, Baltimore, Md.
Application January 30, 1941, Serial No. 98,554
Term of patent 7 years



The ornamental design for a calendar stand or similar article, as shown.

126,570
DESIGN FOR A GAME BOARD
Hubert McKinley Pallett, Kansas City, Mo.
Application January 30, 1941, Serial No. 98,556
Term of patent 14 years



The ornamental design for a game board, as shown.

126,571
DESIGN FOR A CROQUET MALLET
Jacob Pressman, New York, N. Y.
Application December 6, 1940, Serial No. 97,107
Term of patent 7 years



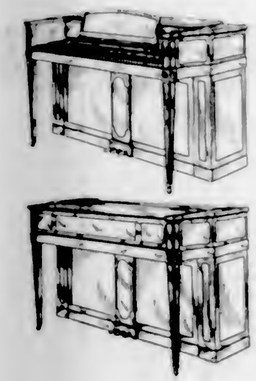
The ornamental design for a croquet mallet, substantially as shown and described.

126,572
DESIGN FOR A TIRE VALVE MANIPULATING IMPLEMENT
Fred R. Burlingame, Rochester, N. Y., assignor to Upson Brothers, Inc., Rochester, N. Y., a corporation of New York
Application September 27, 1939, Serial No. 87,389
Term of patent 14 years



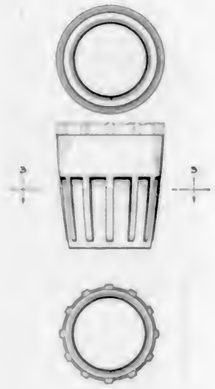
The ornamental design for a tire valve manipulating implement, as shown.

126,573
DESIGN FOR A PIANO CASE
Wilbur M. Day, Norwood, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application January 27, 1941, Serial No. 98,407
Term of patent 7 years



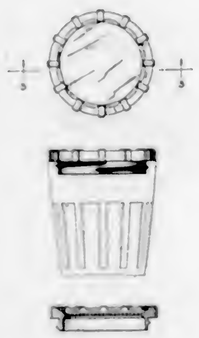
The ornamental design for a piano case, substantially as shown.

126,574
DESIGN FOR A FLASHLIGHT HEAD
Cyril P. Deibel, Lakewood, Ohio
Application October 22, 1940, Serial No. 95,987
Term of patent 7 years



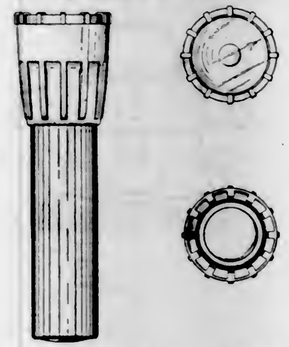
The ornamental design for a flashlight head, as shown and described.

126,575
DESIGN FOR A COMBINED LENS AND HEAD FOR FLASHLIGHTS
Cyril P. Deibel, Lakewood, Ohio
Application October 22, 1940, Serial No. 95,988
Term of patent 7 years



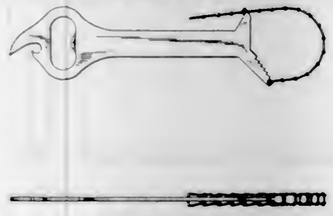
The ornamental design for a combined lens and head for flashlights, as shown and described.

126,576
DESIGN FOR A FLASHLIGHT
Cyril P. Deibel, Lakewood, Ohio
Application October 22, 1940, Serial No. 95,989
Term of patent 7 years



The ornamental design for a flashlight, as shown.

126,577
DESIGN FOR A RECEPTACLE OPENER
Herman Erxleben, Rensselaer, N. Y.
Application July 13, 1940, Serial No. 93,617
Term of patent 3½ years



The ornamental design for a receptacle opener, as shown.

126,578
DESIGN FOR A DRESS
Gustave Feldman, New York, N. Y.
Application February 25, 1941, Serial No. 99,206
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,579
DESIGN FOR A DRESS
Gustave Feldman, New York, N. Y.
Application February 25, 1941, Serial No. 99,207
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,580
DESIGN FOR A DRESS
Gustave Feldman, New York, N. Y.
Application March 7, 1941, Serial No. 99,401
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,581
DESIGN FOR A DRESS
Gustave Feldman, New York, N. Y.
Application March 7, 1941, Serial No. 99,402
Term of patent 3½ years



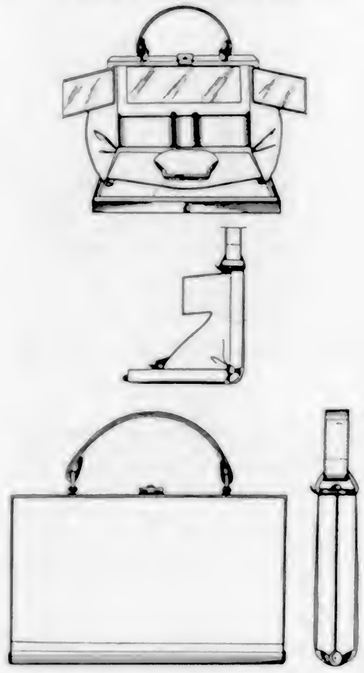
The ornamental design for a dress, substantially as shown.

126,582
DESIGN FOR A LAMP OR LIKE ARTICLE
Sol Goodman, New York, N. Y., assignor to Goody Lamp Co. Inc., New York, N. Y., a corporation of New York
Application October 23, 1940, Serial No. 96,004
Term of patent 3½ years



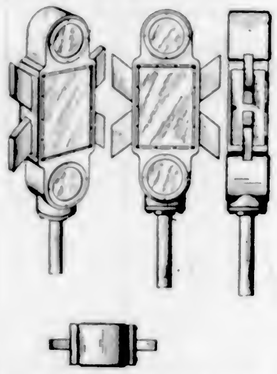
The ornamental design for a lamp or like article, substantially as shown and described.

126,583
DESIGN FOR A HANDBAG
Henry Green, Far Rockaway, N. Y.
Application February 6, 1941, Serial No. 98,798
Term of patent 3½ years



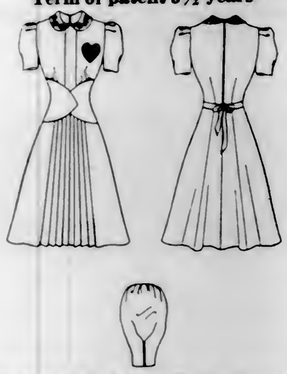
The ornamental design for a handbag, substantially as shown and described.

126,584
DESIGN FOR A TRAFFIC SIGNAL
Martin Hauser, Kansas City, Kans.
Application December 13, 1940, Serial No. 97,288
Term of patent 7 years



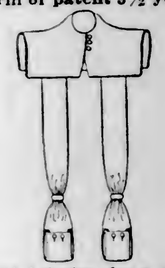
The ornamental design for a traffic signal, as shown and described.

126,585
DESIGN FOR A DRESS
Natalie Jones, New York, N. Y.
Application January 29, 1941, Serial No. 98,492
Term of patent 3½ years



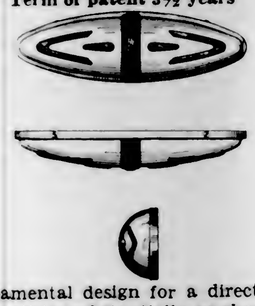
The ornamental design for a dress, substantially as shown.

126,586
DESIGN FOR A SCARF COLLAR
Elizabeth Kasarda, New York, N. Y.
Application April 6, 1940, Serial No. 91,529
Term of patent 3½ years



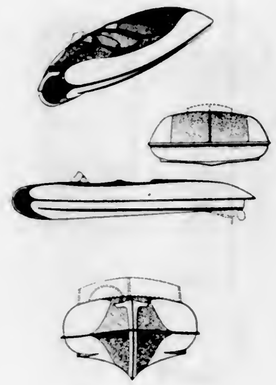
The ornamental design for a scarf collar, substantially as shown and described.

126,587
DESIGN FOR A DIRECTION SIGNAL OR SIMILAR ARTICLE
Leon Lapidus and Benjamin Lapidus, Brooklyn, N. Y.
Application August 15, 1940, Serial No. 94,435
Term of patent 3½ years



The ornamental design for a direction signal or similar article, substantially as shown.

126,588
DESIGN FOR A BOAT
Paul G. Larson, Little Falls, Minn.
Application November 12, 1940, Serial No. 96,465
Term of patent 14 years



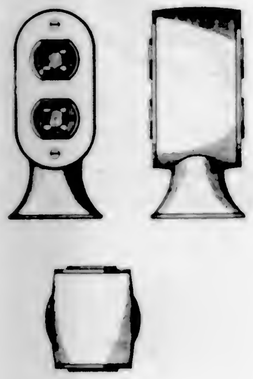
The ornamental design for a boat, substantially as shown and described.

126,589
DESIGN FOR A SACHET PUFF DOLL
Benjamin Levitt, Newark, and Leo Aronson, Hillside, N. J., assignors to A. L. Siegel Co., Inc., Newark, N. J., a corporation of New York
Application January 8, 1941, Serial No. 97,890
Term of patent 14 years



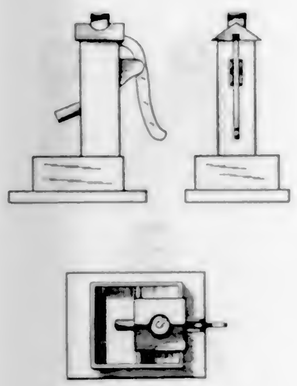
The ornamental design for a sachet puff doll, as shown.

126,590
DESIGN FOR AN ELECTRICAL OUTLET RECEPTACLE
Jacob W. Lewin, Chicago, Ill.
Application December 24, 1940, Serial No. 97,597
Term of patent 14 years



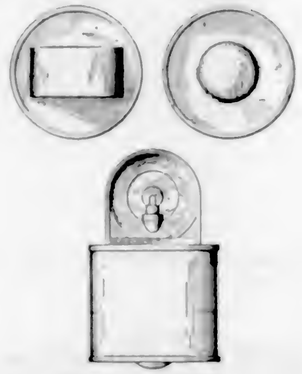
The ornamental design for an electrical outlet receptacle, as shown and described.

126,591
DESIGN FOR A LAMP BASE
Goswin Marein and Morris R. Silverman, Highland Mills, N. Y.
Application November 29, 1940, Serial No. 96,950
Term of patent 14 years



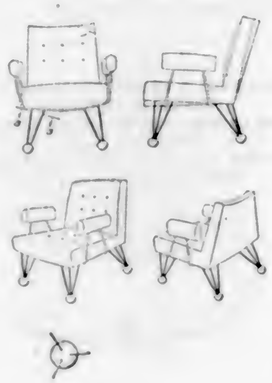
The ornamental design for a lamp base, substantially as shown.

126,592
DESIGN FOR AN ELECTRIC LAMP
Robert A. Rogers, Philadelphia, Pa., assignor to Turnsignal Corporation, Philadelphia, Pa., a corporation of New Jersey
Application February 27, 1940, Serial No. 90,554
Term of patent 14 years



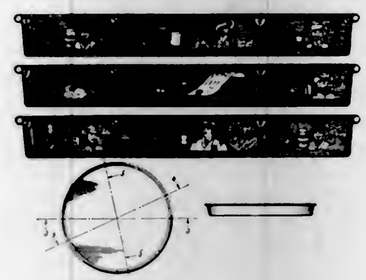
The ornamental design for an electric lamp, as shown and described.

126,593
DESIGN FOR A CHAIR
Gilbert Rohde, New York, N. Y.
Application February 9, 1940, Serial No. 90,158
Term of patent 3½ years



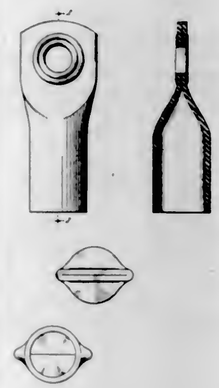
The ornamental design for a chair, as shown and described.

126,594
DESIGN FOR A TRAY
Reginald M. Schuets, Baltimore, Md.
Application December 9, 1940, Serial No. 97,190
Term of patent 14 years



The ornamental design for a tray, as shown and described.

126,595
DESIGN FOR A COMBINATION BUMPER AND HANGER FOR MOP HANDLES
Frederick A. Speik, South Pasadena, Calif., assignor to Robert L. Speik, South Pasadena, Calif.
Application May 28, 1940, Serial No. 92,658
Term of patent 7 years



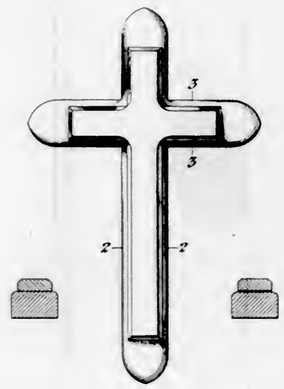
The ornamental design for a combination bumper and hanger for mop handles, as shown.

126,596
DESIGN FOR A DRESS ENSEMBLE
William Bass, New York, N. Y.
Application March 12, 1941, Serial No. 99,531
Term of patent 3½ years



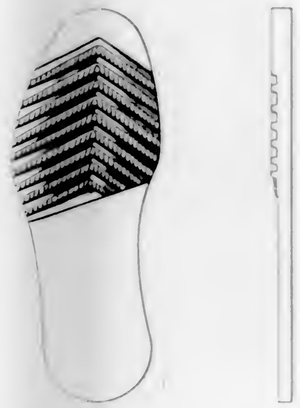
The ornamental design for a dress ensemble, substantially as shown.

126,597
DESIGN FOR A COMPOSITE CROSS
Raymond F. Brennan, Attleboro, Mass.
Application August 15, 1940, Serial No. 94,437
Term of patent 14 years



The ornamental design for a composite cross, substantially as shown.

126,598
DESIGN FOR A SHOE SOLE
Joseph E. Cox and William E. Kavenagh, Windsor, Vt., assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application October 31, 1940, Serial No. 96,222
Term of patent 14 years



The ornamental design for a shoe sole, as shown.

126,599
DESIGN FOR A SHOE SOLE
Joseph E. Cox and William E. Kavenagh, Windsor, Vt., assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application October 31, 1940, Serial No. 96,223
Term of patent 14 years



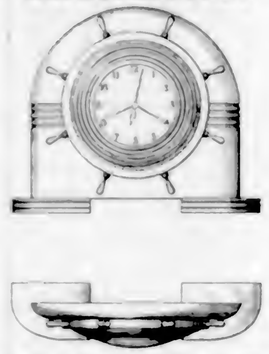
The ornamental design for a shoe sole, as shown.

126,600
DESIGN FOR A DRESS ENSEMBLE
Elizabeth Cutler, New York, N. Y.
Application March 3, 1941, Serial No. 99,314
Term of patent 3½ years



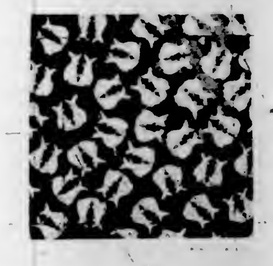
The ornamental design for a dress ensemble, substantially as shown.

126,601
DESIGN FOR AN ELECTRIC CLOCK
Louis Eickemeyer, Union, N. J., assignor to Joseph Gottlieb, Jersey City, N. J.
Application January 24, 1941, Serial No. 98,359
Term of patent 3½ years



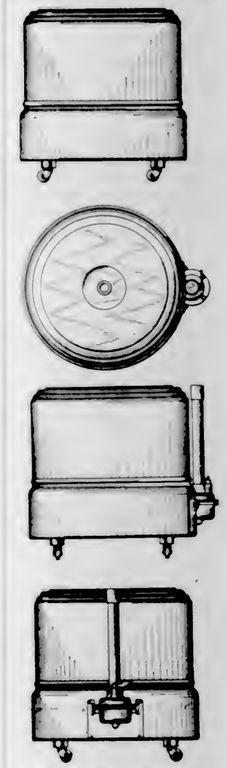
The ornamental design for an electric clock, as shown.

126,602
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,567
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,603
DESIGN FOR A WASHING MACHINE
Andrew H. Gerhardt, Niles Center, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application February 13, 1941, Serial No. 98,980
Term of patent 14 years



The ornamental design for a washing machine, substantially as shown.

126,604
DESIGN FOR A DRESS
Isidore Gottlieb, Bronx, N. Y.
Application February 20, 1941, Serial No. 99,124
Term of patent 3½ years



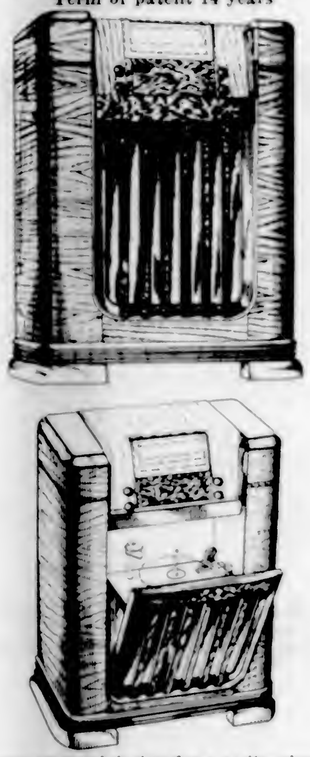
The ornamental design for a dress, substantially as shown.

126,605
DESIGN FOR A DRESS ENSEMBLE
Irving Grobstein, New York, N. Y.
Application February 19, 1941, Serial No. 99,105
Term of patent 3½ years



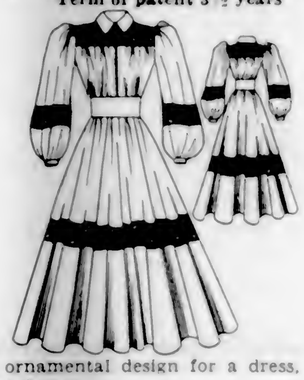
The ornamental design for a dress ensemble, as shown.

126,606
DESIGN FOR A RADIO-PHONOGRAPH CABINET
Edgar F. Haines, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 23, 1941, Serial No. 98,337
Term of patent 14 years



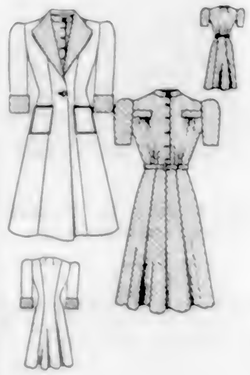
The ornamental design for a radio-phonograph cabinet, substantially as shown and described.

126,607
DESIGN FOR A DRESS
Aline Henry, New York, N. Y.
Application February 6, 1941, Serial No. 98,797
Term of patent 3½ years



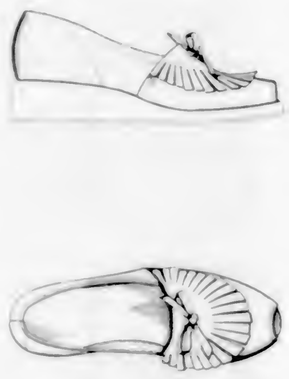
The ornamental design for a dress, substantially as shown.

126,608
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application February 20, 1941, Serial No. 99,126
Term of patent 3½ years



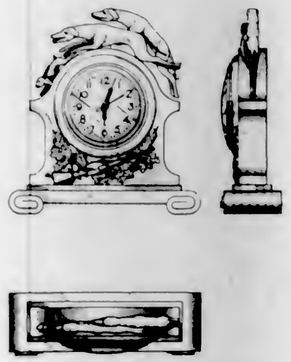
The ornamental design for a dress ensemble, substantially as shown.

126,609
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Fale Joyce, Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation
Application February 4, 1941, Serial No. 98,722
Term of patent 3½ years



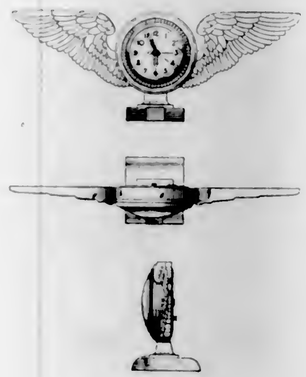
The ornamental design for a shoe or similar article, as shown and described.

126,610
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Kate Lerman, Chicago, Ill.
Application February 12, 1941, Serial No. 98,953
Term of patent 7 years



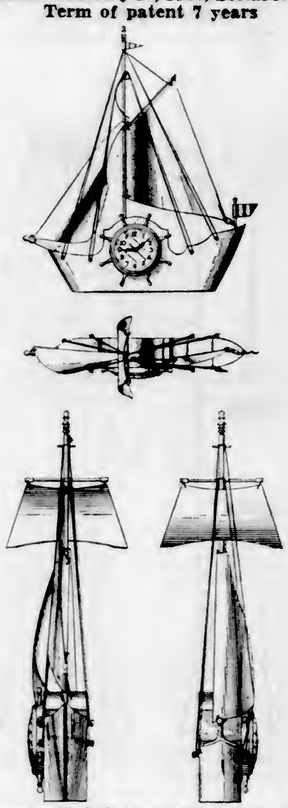
The ornamental design for a clock or similar article, substantially as shown.

126,611
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Kate Lerman, Chicago, Ill.
Application February 12, 1941, Serial No. 98,954
Term of patent 7 years



The ornamental design for a clock or similar article, substantially as shown.

126,612
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Kate Lerman, Chicago, Ill.
Application February 12, 1941, Serial No. 98,955
Term of patent 7 years



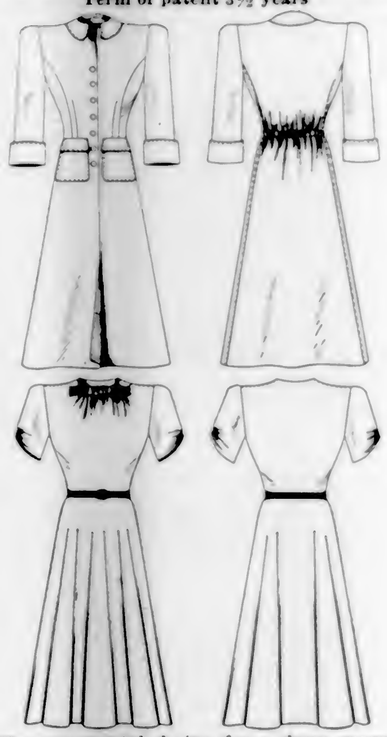
The ornamental design for a clock or similar article, substantially as shown.

126,613
DESIGN FOR A DRESS
Charles Miller, New York, N. Y.
Application January 27, 1941, Serial No. 98,446
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,614
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,985
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,615
DESIGN FOR A DRESS ENSEMBLE
126,613
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,987
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,616
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,993
Term of patent 3½ years



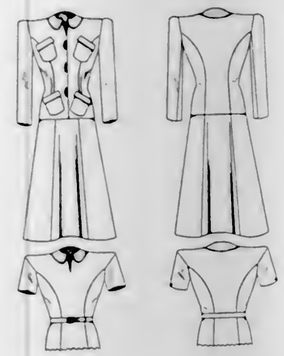
The ornamental design for a dress ensemble, substantially as shown.

126,617
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,994
Term of patent 3½ years



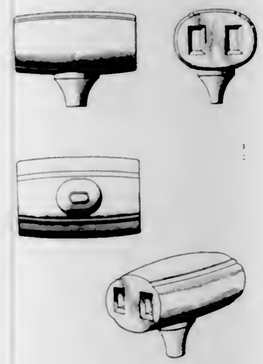
The ornamental design for a dress ensemble, substantially as shown.

126,618
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application February 13, 1941, Serial No. 98,995
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,619
DESIGN FOR A DUAL ELECTRICAL CONNECTOR
Jean Otis Reinecke, Oak Park, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 2, 1941, Serial No. 97,770
Term of patent 14 years



The ornamental design for a dual electrical connector, substantially as shown.

126,620
DESIGN FOR A BADGE OR LIKE ARTICLE
Robert Witt, Chicago, Ill., assignor to The American Legion, Department of Illinois, Chicago, Ill.
Application August 19, 1940, Serial No. 94,506
Term of patent 7 years



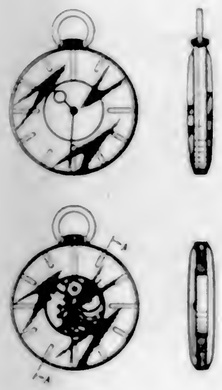
The ornamental design for a badge or like article, substantially as shown.

126,621
DESIGN FOR A PIN ORNAMENT OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application March 13, 1941, Serial No. 99,540
Term of patent 3½ years



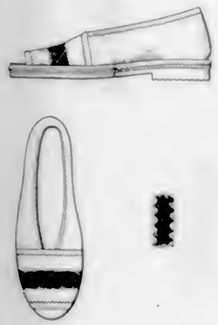
The ornamental design for a pin ornament or similar article, substantially as shown.

126,622
DESIGN FOR A WATCH
Marc Didisheim, La Chaux-de-Fonds, Switzerland
Application June 18, 1940, Serial No. 93,085
Term of patent 7 years



The ornamental design for a watch, as shown.

126,623
DESIGN FOR A SHOE
George K. Guinsburg, Chappaqua, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.
Application February 12, 1941, Serial No. 98,964
Term of patent 7 years



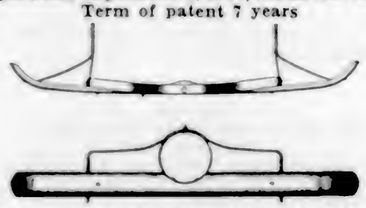
The ornamental design for a shoe, as shown.

126,624
DESIGN FOR A SHOE
George K. Guinsburg, Chappaqua, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.
Application February 12, 1941, Serial No. 98,965
Term of patent 7 years



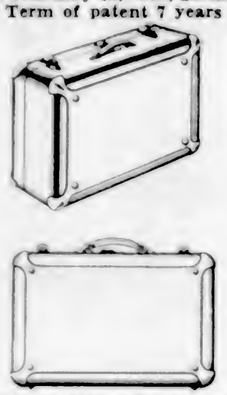
The ornamental design for a shoe, as shown.

126,625
DESIGN FOR A COMBINED BUMPER AND BUMPER GUARD OR SIMILAR ARTICLE
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 7, 1940, Serial No. 94,856
Term of patent 7 years



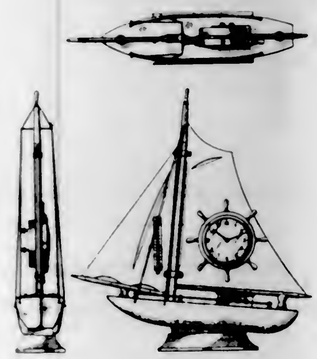
The ornamental design for a combined bumper and bumper guard or similar article, as shown.

126,626
DESIGN FOR A LUGGAGE CASE OR SIMILAR ARTICLE
Samuel Katz, Chicago, Ill.
Application February 21, 1941, Serial No. 99,161
Term of patent 7 years



The ornamental design for a luggage case or similar article, substantially as shown and described.

126,627
DESIGN FOR A SHIP CLOCK
Abraham Levy and Joseph F. Punzak, Brooklyn, N. Y., assignors to United Metal Goods Manufacturing Co. Inc., Brooklyn, N. Y., a corporation of New York
Application September 19, 1940, Serial No. 95,214
Term of patent 3½ years



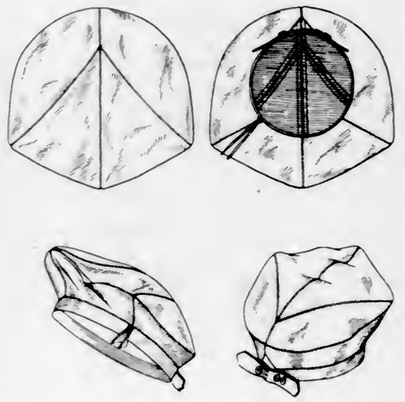
The ornamental design for a ship clock, as shown.

126,628
DESIGN FOR A BUTTON
Henry Lorber, New York, N. Y.
Application February 14, 1941, Serial No. 99,009
Term of patent 7 years



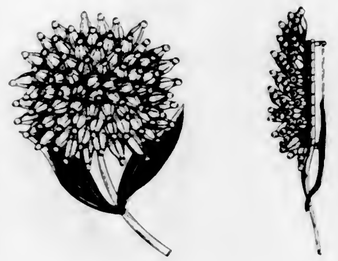
The ornamental design for a button, as shown.

126,629
DESIGN FOR A HAT
Murray J. Marks, New York, N. Y., assignor to Betmar Hats, Inc., a corporation of New York
Application December 18, 1939, Serial No. 88,992
Term of patent 7 years



The ornamental design for a hat, substantially as shown.

126,630
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Sidney Pearl, New York, N. Y., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application March 10, 1941, Serial No. 99,466
Term of patent 3½ years



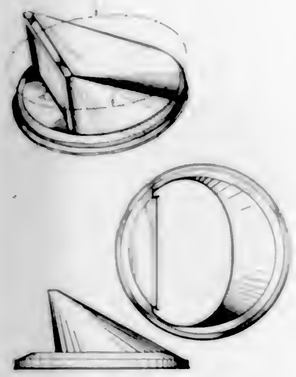
The ornamental design for a brooch or similar article, as shown.

126,631
DESIGN FOR A PACKAGED SET OF SEAMSTRESS ARTICLES
Eugene D. Pennington, Birmingham, Ala.
Application July 19, 1939, Serial No. 86,085
Term of patent 14 years



The ornamental design for a packaged set of seamstress articles, as shown.

126,632
DESIGN FOR A SELF-CLOSING REFUSE CAN TOP
Kenneth N. Perkins, Cincinnati, Ohio, assignor to The F. H. Lawson Company, Cincinnati, Ohio, a corporation of Ohio
Application March 25, 1940, Serial No. 91,227
Term of patent 14 years



The ornamental design for a self-closing refuse can top, as shown.

126,633
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 10, 1941, Serial No. 99,468
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

126,634
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 10, 1941, Serial No. 99,469
Term of patent 3½ years



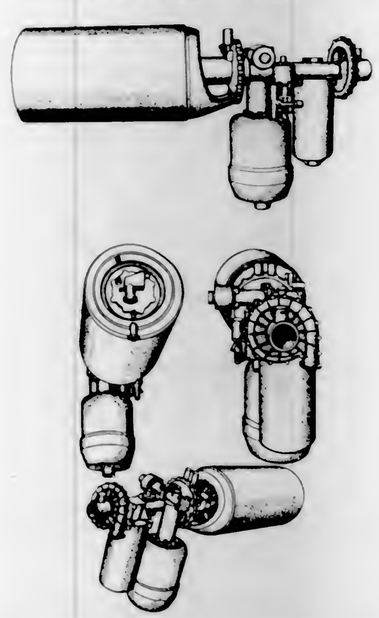
The ornamental design for a pin clip, as shown.

126,635
DESIGN FOR A PIN OR SIMILAR ARTICLE
James J. Poland, Providence, R. I., assignor to Goldstein-Poland Co., Inc., Providence, R. I., a corporation of Rhode Island
Application February 8, 1941, Serial No. 98,852
Term of patent 3½ years



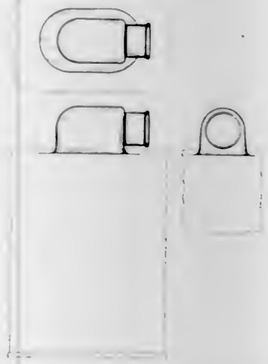
The ornamental design for a pin or similar article, substantially as shown.

126,636
DESIGN FOR A TURBINE AUXILIARY POWER PLANT
Nathan C. Price, Hollywood, Calif.
Application October 25, 1940, Serial No. 96,083
Term of patent 7 years



The ornamental design for a turbine auxiliary power plant, as shown.

126,637
DESIGN FOR AN AIR PURIFYING CANISTER
Charles W. Punton, Penn Township, Allegheny County, and William P. Yant, Pittsburgh, Pa.
Application June 27, 1940, Serial No. 93,286
Term of patent 14 years



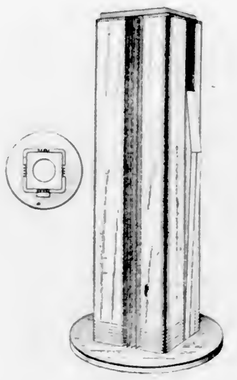
The ornamental design for an air purifying canister, substantially as shown and described.

126,638
DESIGN FOR A TEMPLE MEMBER FOR SPECTACLES OR SIMILAR ARTICLES
Edwin Reynolds, Vineland, N. J.
Application May 28, 1940, Serial No. 92,659
Term of patent 14 years



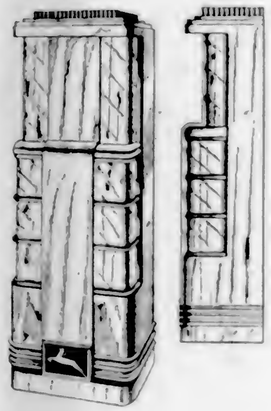
The ornamental design for a temple member for spectacles or similar articles, substantially as shown.

126,639
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,750
Term of patent 3½ years



The ornamental design for a casing for sound apparatus, substantially as shown and described.

126,640
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,751
Term of patent 3½ years



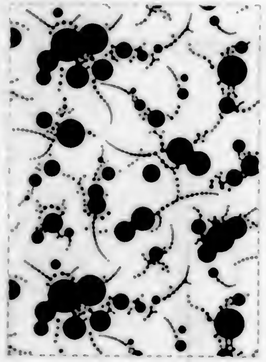
The ornamental design for a casing for sound apparatus, substantially as shown and described.

126,641
DESIGN FOR A BRASSIERE OR THE LIKE
William Rosenthal, New York, assignor to Malden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application December 7, 1940, Serial No. 97,151
Term of patent 14 years



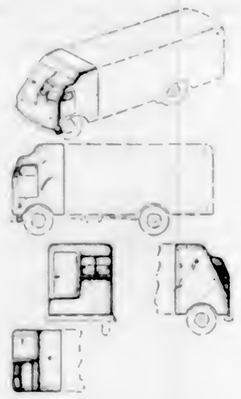
The ornamental design for a brassière or the like, substantially as shown.

126,642
DESIGN FOR A TEXTILE FABRIC
Arnold Salzenstein, Peoria, Ill.
Application February 1, 1941, Serial No. 98,630
Term of patent 3½ years



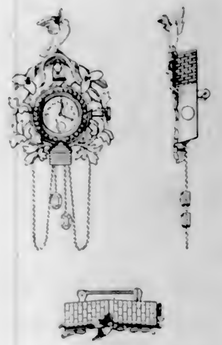
The ornamental design for a textile fabric, as shown.

126,643
DESIGN FOR A MOTOR VEHICLE OR THE LIKE
Ceylon P. Strong, Millersburg, Ohio
Application November 4, 1940, Serial No. 96,293
Term of patent 14 years



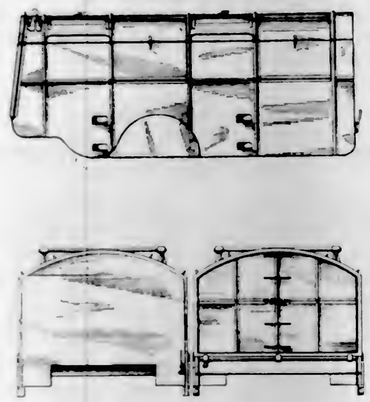
The ornamental design for a motor vehicle or the like, substantially as shown and described.

126,644
DESIGN FOR A LAPEL WATCH
David Taylor, New York, N. Y.
Application December 13, 1940, Serial No. 97,292
Term of patent 3½ years



The ornamental design for a lapel watch, as shown and described.

126,645
DESIGN FOR A TRUCK BODY
Clement H. Tuke, Austin, Tex., assignor to Tips Engine Works, Austin, Tex.
Application August 14, 1940, Serial No. 94,422
Term of patent 14 years



The ornamental design for a truck body, as shown.

126,646
DESIGN FOR A DRESS ENSEMBLE
Elizabeth Cutler, New York, N. Y.
Application March 10, 1941, Serial No. 99,471
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,647
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application March 13, 1941, Serial No. 99,533
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,648
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application March 13, 1941, Serial No. 99,535
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,649
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application March 13, 1941, Serial No. 99,536
Term of patent 3½ years



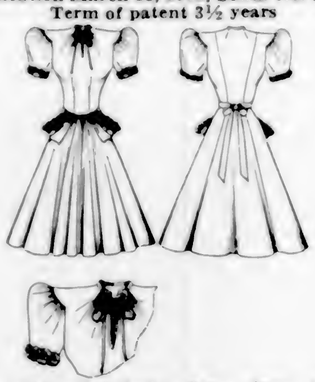
The ornamental design for a dress, substantially as shown.

126,650
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application March 18, 1941, Serial No. 99,662
Term of patent 3½ years



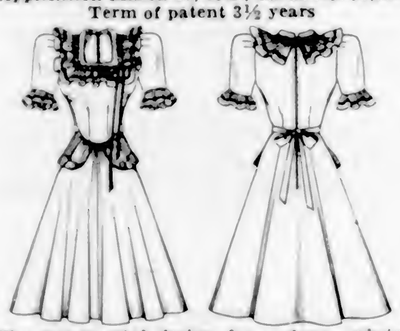
The ornamental design for a dress, substantially as shown.

126,651
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application March 18, 1941, Serial No. 99,663
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,652
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application March 18, 1941, Serial No. 99,665
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,653
DESIGN FOR A SUIT
Virginia Gray, St. Louis, Mo.
Application February 19, 1941, Serial No. 99,107
Term of patent 3½ years



The ornamental design for a suit, as shown.

126,654
DESIGN FOR A DRESS
Murray E. Hamburger, New York, N. Y.
Application March 18, 1941, Serial No. 99,668
Term of patent 3½ years



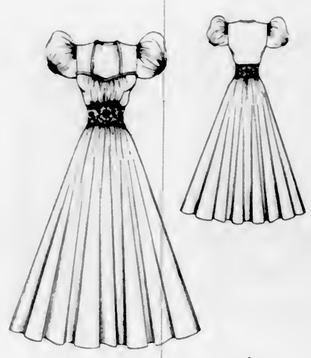
The ornamental design for a dress, substantially as shown.

126,655
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application March 10, 1941, Serial No. 99,476
Term of patent 3½ years



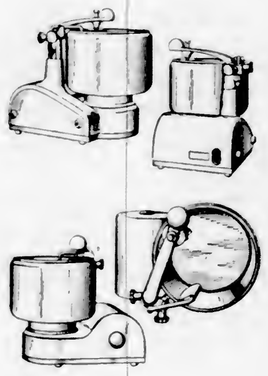
The ornamental design for a dress, substantially as shown.

126,656
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application March 10, 1941, Serial No. 99,478
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,657
DESIGN FOR A FOOD MIXER
Alvar Lenning, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application August 21, 1940, Serial No. 94,538
In Sweden April 3, 1940
Term of patent 14 years



The ornamental design for a food mixer, as shown.

126,658
DESIGN FOR A DRESS
Jane Marchesa, Flushing, N. Y.
Application March 20, 1941, Serial No. 99,735
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,659
DESIGN FOR A VEHICLE
Ernest T. Menard, Los Angeles, Calif.
Application January 30, 1940, Serial No. 89,886
Term of patent 3½ years

The ornamental design for a vehicle, substantially as shown.

126,660
DESIGN FOR A DRESS ENSEMBLE
Germaine Montell, New York, N. Y.
Application January 21, 1941, Serial No. 98,205
Term of patent 3½ years



126,660—Continued



The ornamental design for a dress ensemble, substantially as shown and described.

126,661
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application March 15, 1941, Serial No. 99,620
Term of patent 3½ years



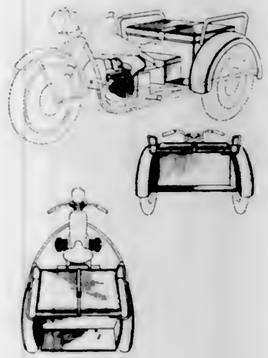
The ornamental design for a dress ensemble, substantially as shown.

126,662
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application March 15, 1941, Serial No. 99,621
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,663
DESIGN FOR A MOTOR-TRICYCLE
Emmett A. Niblack, Biloxi, Miss.
Application December 14, 1939, Serial No. 88,893
Term of patent 14 years



The ornamental design for a motor-tricycle, as shown and described.

126,664
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 17, 1941, Serial No. 99,639
Term of patent 3½ years



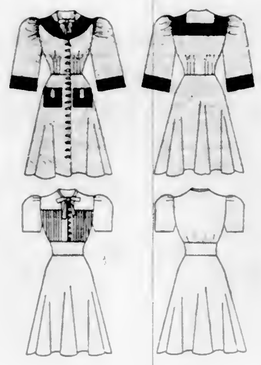
The ornamental design for a dress ensemble, as shown.

126,665
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 19, 1941, Serial No. 99,684
Term of patent 3½ years



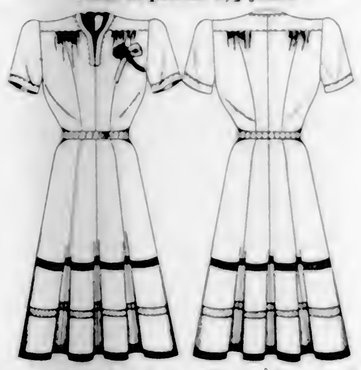
The ornamental design for a dress ensemble, as shown.

126,666
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 19, 1941, Serial No. 99,685
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,667
DESIGN FOR A DRESS
Clare Potter, West Nyack, N. Y.
Application March 19, 1941, Serial No. 99,681
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,668
DESIGN FOR A COAT
Isidore Rakoff, New York, N. Y.
Application March 26, 1941, Serial No. 99,888
Term of patent 3½ years



The ornamental design for a coat, as shown.

126,669
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application March 20, 1941, Serial No. 99,734
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,670
DESIGN FOR A COAT
Max Rubin, New York, N. Y.
Application March 10, 1941, Serial No. 99,459
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

126,671
DESIGN FOR A DRESS
Elinor Seigenfeld, New Rochelle, N. Y.
Application March 21, 1941, Serial No. 99,769
Term of patent 3½ years



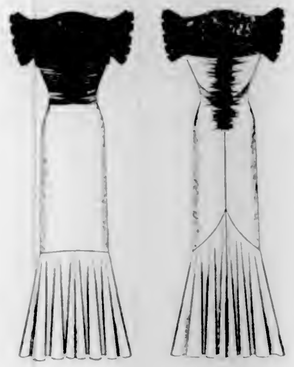
The ornamental design for a dress, substantially as shown.

126,672
DESIGN FOR A DRESS
Elinor Seigenfeld, New Rochelle, N. Y.
Application March 21, 1941, Serial No. 99,770
Term of patent 3½ years



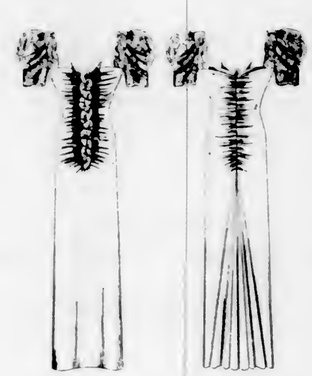
The ornamental design for a dress, substantially as shown.

126,673
DESIGN FOR A DRESS
Karen Stark, New York, N. Y.
Application March 22, 1941, Serial No. 99,772
Term of patent 3½ years



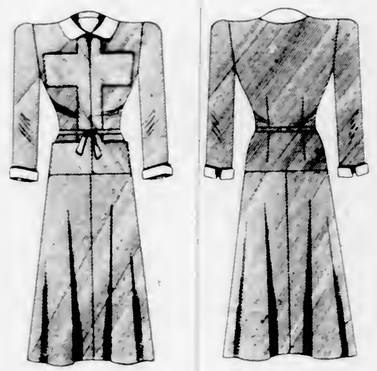
The ornamental design for a dress, substantially as shown.

126,674
DESIGN FOR A DRESS
Karen Stark, New York, N. Y.
Application March 22, 1941, Serial No. 99,773
Term of patent 3½ years



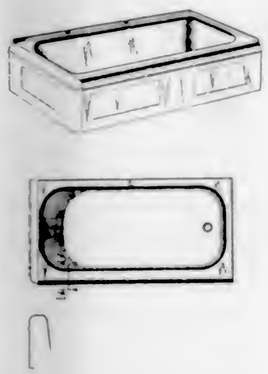
The ornamental design for a dress, substantially as shown.

126,675
DESIGN FOR A SUIT
Bruno Staehle, New York, N. Y.
Application March 19, 1941, Serial No. 99,679
Term of patent 3½ years



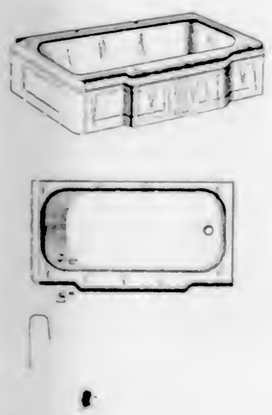
The ornamental design for a suit, substantially as shown.

126,676
DESIGN FOR A BATHTUB
Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 5, 1939, Serial No. 87,532
Term of patent 14 years



The ornamental design for a bathtub, substantially as shown and described.

126,677
DESIGN FOR A BATHTUB
Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 5, 1939, Serial No. 87,533
Term of patent 14 years



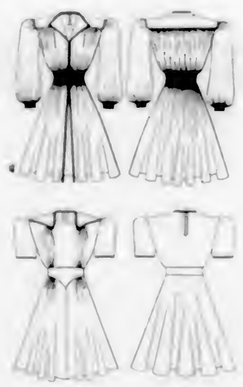
The ornamental design for a bathtub, substantially as shown and described.

126,678
DESIGN FOR A SUIT
Harry Zuckerman, New York, N. Y.
Application March 3, 1941, Serial No. 99,315
Term of patent 3½ years



The ornamental design for a suit, as shown.

126,679
DESIGN FOR A DRESS ENSEMBLE
Edna Breer, New York, N. Y.
Application March 13, 1941, Serial No. 99,541
Term of patent 3½ years



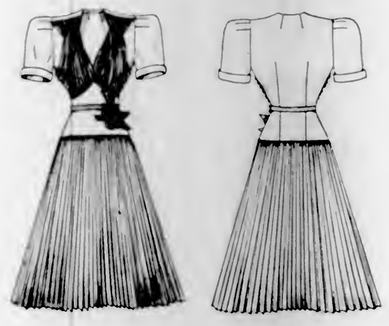
The ornamental design for a dress ensemble, substantially as shown.

126,680
DESIGN FOR A DRESS
Arthur Cole, Rye, N. Y.
Application March 13, 1941, Serial No. 99,547
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,681
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application March 18, 1941, Serial No. 99,666
Term of patent 3½ years



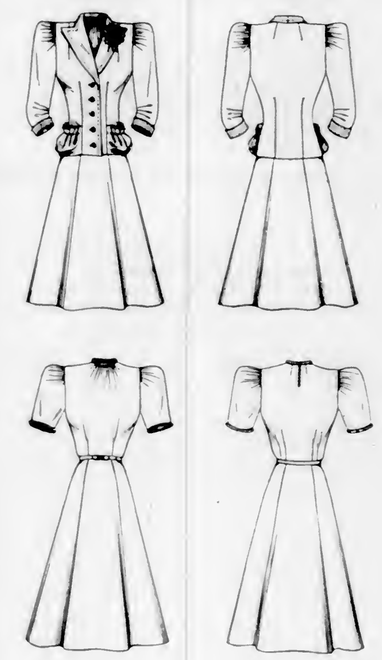
The ornamental design for a dress, substantially as shown.

126,682
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application March 13, 1941, Serial No. 99,534
Term of patent 3½ years



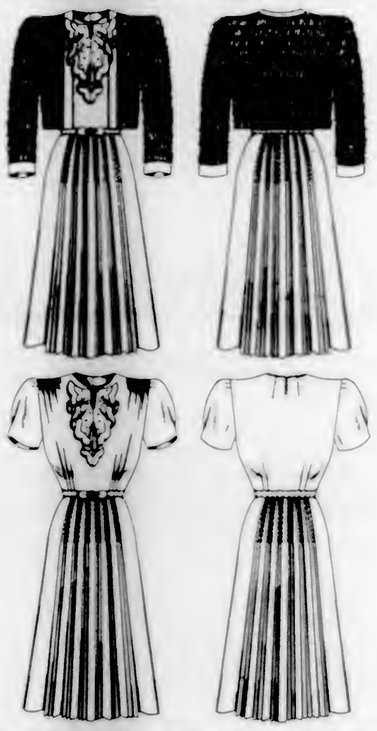
The ornamental design for a dress, substantially as shown.

126,683
DESIGN FOR A DRESS ENSEMBLE
Pauline Fracchia, New York, N. Y.
Application March 18, 1941, Serial No. 99,664
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,684
DESIGN FOR A DRESS ENSEMBLE
Edna Freeman, New York, N. Y.
Application March 15, 1941, Serial No. 99,612
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,685
DESIGN FOR A DRESS
Murray Marve, New York, N. Y.
Application March 20, 1941, Serial No. 99,737
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,686
DESIGN FOR A DRESS
Ottilie Conrad Nadel, New York, N. Y.
Application March 15, 1941, Serial No. 99,613
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,687
DESIGN FOR A DRESS
Ottilie Conrad Nadel, New York, N. Y.
Application March 15, 1941, Serial No. 99,617
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,688
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application March 15, 1941, Serial No. 99,619
Term of patent 3½ years



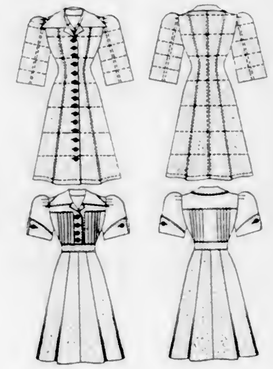
The ornamental design for a dress ensemble, substantially as shown.

126,689
DESIGN FOR A DRESS
Ottilie Conrad Nadel, New York, N. Y.
Application March 21, 1941, Serial No. 99,766
Term of patent 3½ years



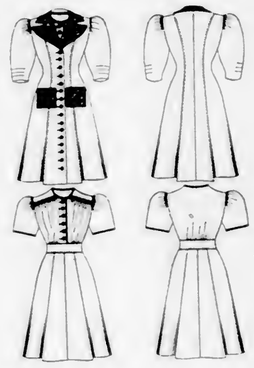
The ornamental design for a dress, substantially as shown.

126,690
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 15, 1941, Serial No. 99,622
Term of patent 3½ years



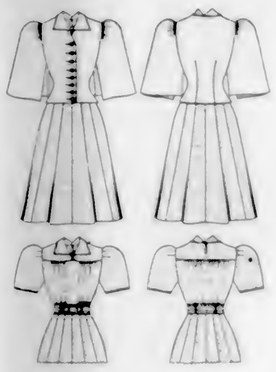
The ornamental design for a dress ensemble, as shown.

126,691
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 17, 1941, Serial No. 99,640
Term of patent 3½ years



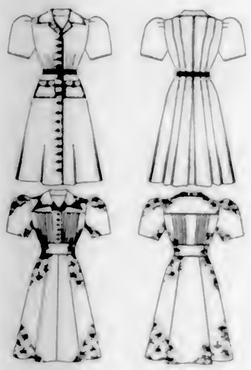
The ornamental design for a dress ensemble, as shown.

126,692
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 17, 1941, Serial No. 99,641
Term of patent 3½ years



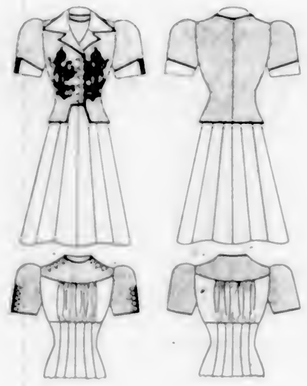
The ornamental design for a dress ensemble, as shown.

126,693
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 17, 1941, Serial No. 99,642
Term of patent 3½ years



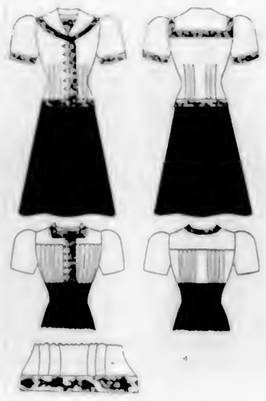
The ornamental design for a dress ensemble, as shown.

126,694
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 19, 1941, Serial No. 99,686
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,695
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application March 19, 1941, Serial No. 99,687
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown and described.

126,696
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application March 20, 1941, Serial No. 99,732
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,697
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application March 20, 1941, Serial No. 99,733
Term of patent 3½ years



The ornamental design for a dress, as shown.

Patents Nos. 2,238,877 to 2,239,666

THE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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April 22, 1941

Trade-Marks	277—No.	386,636 to No.	386,913, inclusive.
T. M. Renewals	65		
Reissues	10—No.	21,773 to No.	21,782, inclusive.
Plant Patent	1—No.	402	
Patents	700—No.	2,238,877 to No.	2,239,666, inclusive.
Designs	130—No.	126,698 to No.	126,828, inclusive.
Total	1,273		

Adjudicated Patents

(C. C. A. N. Y.) Dreyfus patent, No. 1,773,967, for process of cutting fabric and product thereof, claims 6 to 9, 11, 12, 16, and 17 *Held* invalid. *Celanese Corporation of America* v. *Ribbon Narrow Fabrics Co.*, 117 F.(2d) 481.

(D. C. Calif.) Leishman reissue patent, No. 20,827, for means and method for turning rotatable objects to predetermined positions, claims 7 to 11 *Held* invalid. *Leishman* v. *Associated Wholesale Electric Co.*, 35 F. Supp. 804.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,081,712, Carl Rohmann, Local anaesthetically active pharmaceutical preparation and method of preparing the same, decided March 25, 1941, claims 1, 2, 3, 4, 5, 6, and 7.

Pat. 2,163,545, S. L. Clothier and H. C. Hogencamp, Apparatus and method for television transmission, decided March 31, 1941, claim 7.

Trade-Mark Registrations Canceled

133,305. Furniture and woodwork polish. Frank A. Rader, Cleveland, Ohio. Registered July 20, 1920. Canceled March 28, 1941.

152,605. Certain named toilet brushes. Kyoto Manufacturing & Trading Co., New York, N. Y. Registered February 28, 1922. Canceled March 28, 1941.

164,630. Certain named manicuring preparations. Pierre Herber, New York, N. Y. Registered February 20, 1923. Canceled March 28, 1941.

278,635. Confection. Frank Cannatella, New Orleans, La. Registered December 23, 1930. Canceled March 28, 1941.

357,319. Women's and misses' dresses. Goldstein & Levin, Philadelphia, Pa. Registered May 31, 1938. Canceled April 4, 1941.

363,804. Protective coating for automobiles, floors, and linoleum, and floor wax. Jesse W. Moyer, doing business as The Violize Co., Chadron, Nebr. Registered January 10, 1939. Canceled March 28, 1941.

371,685. Marmalades. Henry A. McComas, New Canaan, Conn. Registered October 3, 1939. Canceled March 28, 1941.

375,074. Certain named printing machinery. Hammond Machinery Builders, Kalamazoo, Mich. Registered February 6, 1940. Canceled March 28, 1941.

384,066. Children's dresses. Joseph Linsk, Philadelphia, Pa. Registered January 7, 1941. Canceled April 4, 1941.

Notice of Cancellation

U. S. Patent Office, *Washington, Mar. 26, 1941.*

B. & S. Bushman, Inc., its assigns or legal representatives, take notice.

A cancellation proceeding has been instituted by this Office upon the application of Dwinell-Wright Company, 68 Fargo Street, Boston, Mass., to effect the cancellation of registration No. 210,409, issued March 16, 1926, to B. S. & S. M. Bushman. The assignment records of this Office show a transfer of title to this registration to B. & S. Bushman, Inc., 108 Lexington Street, Baltimore, Md., who has been substituted for said B. S. & S. M. Bushman to defend the registration concerned. A notice of such proceeding sent by registered mail to B. & S. Bushman, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless B. & S. Bushman, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business April 5, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,005, Trade-Mark Division, 1,339. Oldest newcase, July 2, 1940; oldest amended, July 2, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6924	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences, Gates; Tillage.	Nov. 2	Nov. 15	446
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 21	Sept. 14	532
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 6	Feb. 5	355
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Jan. 2	Nov. 22	469
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 4	Nov. 1	439
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Sept. 4	Sept. 3	1,005
5725	7. JARBOE, C. G., Optics; Photography	Oct. 5	Oct. 1	907
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Sept. 25	Sept. 23	842
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 22	Oct. 23	580
6012	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Nov. 4	Nov. 2	280
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus, Hides, Skins, and Leather.	Dec. 16	Dec. 16	428
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters, Stop Mechanisms	Oct. 4	Oct. 11	483
5009	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling, Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept. 21	Sept. 20	533
5097	14. FREEHOF, H. B., (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 20	Dec. 4	550
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Sept. 26	Sept. 23	1,052
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 19	Dec. 7	534
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 25	Nov. 22	540
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 15	Nov. 9	428
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 2	Dec. 2	578
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 7	Oct. 24	347
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 23	†Jan. 4	322
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	July 2	July 2	1,466
7624	23. BUTTNER, W. J., Registers (part)	July 29	July 26	240
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 30	Sept. 13	947
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing, Vegetable and Meat Cutters and Comminutors.	Oct. 21	Nov. 8	507
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 8	Nov. 16	416
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	Oct. 15	Oct. 5	599
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Nov. 6	Sept. 18	297
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage, Package and Article Carriers; Tables.	Oct. 16	Nov. 8	658
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination, Thermostats and Humidostats.	Dec. 16	Dec. 18	550
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 23	Oct. 23	1,358
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 20	Dec. 19	883
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Dec. 4	Dec. 10	822
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Aug. 4	Sept. 20	354
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Oct. 7	Oct. 14	812
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 20	Sept. 9	575
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 19	Sept. 26	552
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 31	Aug. 16	854
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 9	Dec. 17	509
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 5	Sept. 5	1,626
7812	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Nov. 6	Nov. 6	472
5882	42. CUTTING, H. O., Electric Signaling	Oct. 22	Nov. 16	375
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 27	Sept. 27	527
4087 B	44. HARVEY, L. P., Refrigeration	Sept. 26	Sept. 26	566
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Jan. 3	Dec. 10	318
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 14	Nov. 18	552
6082	47. KANOF, W. J., Clutches; Brakes	Dec. 11	Dec. 2	383
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 7	Nov. 8	561
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 7	Oct. 8	780
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Oct. 8	Oct. 8	1,224
5028	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 3	†Jan. 31	372
7709	52. KNOFTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 30	Dec. 16	538
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 10	Sept. 16	840
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	327
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Nov. 15	Nov. 18	341
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Sept. 5	Aug. 31	1,213
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 21	Dec. 7	165
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 26	Nov. 9	517
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Oct. 4	Oct. 10	977
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Jan. 8	†Jan. 8	228
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making, Winding, Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Nov. 16	Oct. 28	371
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 3	July 26	368
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons	Aug. 17	Sept. 6	1,057
4708	64. NASH, P. M., Acetylene, Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel	Dec. 17	Dec. 17	737
5012	65. McDERMOTT, F. P., Electricity, Conductors, Repeaters; Relays; Wave Transmission	†Jan. 4	†Jan. 10	27
2099 B	Trade-Marks, F. A. RICHMOND	†Mar. 1	†Mar. 14	1,339
2905	Designs, H. H. KALUPY	†Feb. 13	†Feb. 19	1,075

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

ZAIKOWSKY v. SMITH AND SMITH v. ROSAIRE AND HORVITZ v. METCALF

Decided March 6, 1941

INTERFERENCE—MOTION TO DISSOLVE BY AN APPLICANT IN AN INTERFERENCE INVOLVING A PATENT AND TWO OR MORE APPLICATIONS.

Where one of two or more applicants in interference with a patentee moves to dissolve on the ground that the issue is not patentable, the motion will not be set for hearing (*Jacobi* v. *Winning* v. *Douglas*, 343 O. G. 227, 1926 C. D. 16, overruled so far as inconsistent).

ON PETITION.

Mr. Reed C. Lawlor for Zaikowsky.
Mr. Cecil L. Wood for Smith et al.
Mr. P. J. Whelan for Rosaire et al.
Messrs. Cushman, Darby & Cushman for Metcalf.

COE, *Commissioner:*

Rosaire et al. petition that the action of the Examiner of Interferences in setting a hearing on a motion by Metcalf to dissolve on the ground that the counts of this interference are unpatentable be vacated. The setting of this hearing was in accordance with the Commissioner's decision in the case of *Jacobi* v. *Winning* v. *Douglas*, 343 O. G. 227, 1926 C. D. 16, but the petitioners contend that this decision so far as it directed the setting of such a hearing, should be overruled.

In the decision just mentioned it was held that the practice of dissolving an interference between a patent and an application without a hearing when the applicant contended that the issue was unpatentable should not be followed if the interference included two or more applications in addition to the patent. One of the reasons given for this holding was that the applicant making this contention might be the first inventor and that, if he were excluded, the other applicant, although not the first inventor, might prevail in the interference. This is a reason for not excluding from the interference an applicant who moves to dissolve on the ground that the issue is unpatentable, but it is not a reason for considering such a motion on its merits. If the motion were merely dismissed all the parties would remain in the interference and the danger of awarding priority to an applicant who was not the first inventor would be avoided.

The other reason given for setting such a motion for hearing was that, since the interference must continue, "the patentability of the issue is just as important as in an interference between two applicants." However, even in interferences between applicants, motions to dissolve on the ground that the issue is unpatentable are not always set for hearing. For example, rule 114 provides that a motion of this character by a party who is under an order to show cause will not be entertained. It should therefore be considered whether, in such a situation as the present one, the advantage of avoiding the continuance of an interference on an issue which may be unpatentable is great enough to offset the disadvantages incident to considering the motion.

In the first place it is to be noted that, where it is alleged that a patent claim is unpatentable over references which would anticipate the patentee as well as the applicants, a clearer showing than that required in the case of claims which do not appear in a patent is necessary. (*Both* v. *Barr*, 200 O. G. 582, 1914 C. D. 29; *In re Engelhardt*, 400 O. G. 678, 40 F.(2d) 760, 1930 C. D. 541.) Consequently a motion based on this ground is much less likely to be granted where a patent is involved than where all parties are applicants, and the probability that the motion will have no other result than delay and the imposition of a burden on the parties and on the Patent Office is correspondingly increased.

In the second place, if the patent claims were held to be unpatentable, the patentee would have no right of appeal, although applicants, other than the moving party, would have such a right in subsequent ex parte prosecution. Further, the patentee is not allowed to move to dissolve on the ground that the issue is unpatentable, or even that if the counts were so construed that the applicants could make them they would be unpatentable, regardless of the number of applicants involved in the interference (*Manson* v. *Hutchison*, 201 O. G. 569, 1914 C. D. 33; *Morgan* v. *Taylor* v. *Hanson*, 208 O. G. 985, 1914 C. D. 90; *Kishpaugh* v. *Gauthier*, 357 O. G. 787, 1927 C. D. 29).

It follows that the result of the ruling in *Jacobi* v. *Winning* v. *Douglas*, supra, is to permit one of two or more applicants who are involved in an interference with a patent to file a motion which the patentee is not permitted to file, and to allow the applicants an appeal which is denied to the patentee. It is not desirable that such a burden should be placed on a patentee, especially since he is necessarily already under the disadvantage that the applicants knew his disclosure and filing date before the interference was declared.

As was pointed out in *Holmes and Robinson* v. *Page*, 452 O. G. 3, 1935 C. D. 8, an applicant who copies a claim from a patent does so with full knowledge of the circumstances surrounding its grant. He is therefore in no better position to determine the patentability of the claim after the interference is declared than he was before. Moreover, since he obviously cannot anticipate that any other application will be involved in the interference, he must seek the interference for the sole purpose of contesting priority, and with the understanding that he will not be heard to attack the patentability of the issue. Accordingly the refusal to consider the contention of nonpatentability even if several applicants are involved does not impose

any great or unexpected hardship upon such applicants.

In view of the above considerations it is thought to be more expedient and more equitable to refuse to consider a motion to dissolve attacking the patentability of any count of an interference involving a patentee and two or more applicants. Motions of this character should, therefore, be dismissed. The decision in *Jacobi* v. *Winning* v. *Douglas*, supra, so far as it is inconsistent with this holding is overruled.

* * * * * * *

The petition of Rosaire et al. is granted to the extent that the hearing set on Metcalf's motion to dissolve on the ground that the issue is unpatentable is vacated, and this motion will not be considered.

* * * * * * *

CONWAY P. COE,
Commissioner.

U. S. Court of Customs and Patent Appeals

IN RE NEWTON ET AL.

No. 4,359. Decided December 9, 1940

[115 F.(2d) 932]

PATENTABILITY—METHOD OF DEODORIZING EDIBLE OILS. Claims for an application relating to a method of deodorizing edible oils *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Norman E. Birch (*Mr. R. G. Story* of counsel) for Newton et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 1 to 7, inclusive, in appellants' application for a patent for an alleged invention relating to a process for deodorizing edible oils.

Claims 1 and 4 are illustrative of the appealed claims. They read:

1. The method of treating oil which comprises passing a gaseous medium in the form of small bubbles therethrough.

4. The method of treating oil which comprises passing a gaseous medium into a body of such oil to form bubbles, breaking up the bubbles into small bubbles and passing said gaseous medium through such oil while such gaseous medium is in the form of small bubbles substantially 0.01 cc. or less in size.

The references are: Cassidy, 1,582,899, May 4, 1926; Gavett, 1,969,644, Aug. 7, 1934.

As will be observed from the quoted claims, appellants' process comprises the passing of a gaseous medium—steam—in the form of small bubbles through the body of edible oil. The purpose of the process is to remove volatile impurities from the oil.

Appealed claim 1 merely calls for the passing of a gaseous medium in the form of small bubbles through the oil.

In appealed claim 4 it is stated that the bubbles of a gaseous medium are broken up into smaller bubbles "substantially 0.01 cc. or less in size" and passed through the oil.

It appears from appellants' application that their process is carried out by means of an apparatus which comprises a tank having an inverted cone-shaped passage therein. Within the cone-shaped passage is a series of perforated disks mounted on a rotatable shaft. The oil is drawn into the bottom of the tank by means of a vacuum maintained through a line leading from the top of the tank. After the oil has been drawn into the tank, steam, which is admitted into the bottom of the tank, passes upwardly through the oil. The steam and the volatile odoriferous impurities are drawn off at the top of the tank by an atmospheric condenser. It is stated in appellants' application that as the steam passes upwardly in the cone-shaped passage the perforated disks therein

"are rapidly rotated and serve to break up the steam into finely dispersed bubbles, thus greatly increasing the effective surface of the steam bubbles in proportion to steam volume. The smaller bubbles thus formed arise more slowly through the oil and make the surface available for a longer period of time."

The patent to Cassidy relates to an apparatus for treating oils, and discloses a structure wherein steam is passed through the oil for the purpose of removing volatile impurities. The patentee's apparatus comprises a tank having a conical baffle surrounding a series of tubes. Each tube is provided with a nozzle at its lower end through which steam is injected. The oil to be treated enters the tank at the top, and the steam, which is introduced into the tank through openings at the bottom, is injected by the nozzles at the lower ends of the tubes upwardly and mixed with the oil in the tubes. The patentee states that the

"gaseous medium [steam] issues from the nozzles * * * with increased velocity and causes the oil to be injected through the tubes * * *. Here the oil and gaseous medium [steam] are thoroughly mingled and are subjected to considerable scrubbing action by virtue of the extended tube surface afforded. The mixture leaves the tubes at considerable velocity and partially owing to the fact that the mixture of oil and gas or steam is considerably lighter than the rest of the oil, ascends the space enclosed by the baffle * * *, passing through the screens * * * [in the conical baffle], where it is more intimately mixed."

The patent to Gavett relates to the "aeration of fluids." The patentee states that, although his invention relates particularly to the

"introduction of air into a liquid or semi-liquid mass, such as sewage, for example, and as a matter of convenience is described as an improvement in aeration, it will nevertheless be understood that the invention is capable of realization wherever it is desired to introduce *either air or any other gaseous substance into a fluid, and more particularly into a liquid.*" [Italics ours.]

The patentee further states that in the aeration of "liquids" it will be understood that efficiency depends

"largely upon the emission of the air or gas into the fluid *in a state of subdivision as minute as practicable, due regard being had to the character of the fluid,* [and] *the character of the gaseous body* * * *. The subdivisions of the air, as will be understood, *take the form of minute bubbles in the liquid and that solution proceeds generally in a measure determined by the minuteness of the bubbles.* Experience has shown that it is difficult to form bubbles smaller than a certain minimum size, that the normal size of the bubbles, under given conditions, is determined by the surface tension, and that larger bubbles sometimes tend to subdivide while smaller bubbles sometimes tend to coalesce." [Italics ours.]

The primary Examiner was of opinion that, although there is no statement in the patent to Cassidy that the steam is in the form of small bubbles, the screens in the conical baffle in the Cassidy apparatus break up the bubbles of steam into smaller bubbles, and, therefore, perform the same function as the perforated disks in appellants' device. With regard to the size of the bubbles, the Examiner stated that the appealed

"claims are regarded as attempting to distinguish over Cassidy merely in a matter of degree, i. e., of the size of bubbles of the gas, and not in a real difference in operation, and furthermore the distinction which is defined, is regarded as being amply taught in the references, and would be obvious to the skilled chemical engineer operating the Cassidy process."

The Primary Examiner called attention to the fact that the patent to Gavett taught that in treating a fluid or liquid with a gaseous substance the efficiency of the operation was dependent upon the emission of the gas into the fluid or liquid in as minute a subdivision as practicable; that is, in the form of minute bubbles.

The Examiner also rejected claims 3, 5, and 6 on the patent to Cassidy alone.

The Board of Appeals concurred in the views expressed by the Primary Examiner, and stated in its decision that, although it might involve invention to devise a structure, such as that disclosed in appellants' application, by which bubbles of large size could be broken up into bubbles of minute size, the process defined by the appealed claims was not patentable over the references of record.

Although it is true, as argued by counsel for appellants, that the patent to Gavett does not specifically refer to the passing of a gaseous substance, such as steam, through oil, the patentee teaches, nevertheless, that in the treatment of fluids or liquids the gaseous substance should be in the form of minute bubbles. Furthermore, we think it is clear from the patent to Cassidy, as stated by each of the tribunals of the Patent Office, that the gaseous bubbles entering the oil in the Cassidy apparatus are broken up into more minute bubbles by the screens in the conical baffle.

It may be that the gaseous bubbles produced by appellants' apparatus, stated in appealed claims 2, 4, and 7 to be "substantially 0.01 cc. or less in size," are smaller than the bubbles produced by the Cassidy apparatus and that it required the exercise of the inventive faculties to produce appellants' apparatus. We are of opinion, however, that it would not involve invention, in view of the references of record, to pass bubbles of the size produced by appellants' apparatus through edible oil in the manner and for the purpose disclosed in the patent to Cassidy.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BELSINGER

No. 4,387. Decided December 9, 1940

[115 F.(2d) 820]

PATENTABILITY—SHIPPING CONTAINER. Claims for a shipping container of pulp board material *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Eugene G. Mason and *Mr. Herbert H. Porter* for Belsinger.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 1 and 2, in appellant's application for a patent for an alleged invention relating to new and useful improvements in shipping containers composed of "pulp board material."

The appealed claims read:

1. A shipping container of pulp board material comprising upper and lower body sections, said sections being formed of identical integral rectangular blanks each folded to provide vertical portions for constituting side walls having free edges and having its ends joined, opposed pairs of side walls on each section having flaps integral therewith and joined at a scoring line of the blank, the flaps of each pair being located in plane and overlapping the flaps of another pair and bearing thereagainst, stitching means passing through flaps of both said pairs joining substantially the entire overlapped areas whereby to constitute each section as a firmly joined and preformed unit to provide the top or bottom of a container, said sections being identical in size and shape of the perimeter of the free edges so that the edges abut throughout the perimeter in the closed container, and an external sealing means overlapping the free edges and secured to both said sections substantially for the perimeter of said free edges for holding the sections against movements of separation and shifting relative to one another, said stitching means at each end comprising a plurality of staples which have been passed through the flaps from the interior of the container and having their outward ends clinched upon the corresponding outer flap.

2. A shipping container of pulp board material comprising upper and lower body sections, said sections being formed of identical integral blanks each folded to provide vertical portions for constituting side walls having free edges and having its ends joined, opposed pairs of side walls on each section having flaps integral therewith and joined at a scoring line of the blank, the flaps of each pair being located in plane and overlapping the flaps of another pair and bearing thereagainst, means securing the flaps to constitute each section as a firmly joined and preformed unit to provide the top or bottom of a container, said sections being identical in size and shape of the perimeter of the free edges so that the edges abut throughout the perimeter in the closed container, and an external sealing means overlapping the free edges and secured to both said sections substantially for the perimeter of said free edges for holding the sections against movements of separation and shifting relative to one another.

The references are: Weiss, 1,119,208, December 1, 1914; Bliss, 1,514,364, November 4, 1924; Belsinger, 1,983,265, December 4, 1934.

As will be observed from the appealed claims, appellant's shipping container is composed of two sections which are identical in shape and size. Each section is made from a single blank, and each of its four side walls has a flap integral therewith at one end. In forming the container, the flaps of the side walls of each section are folded down and stapled (stitched) together to form a closure at one end. The free edges (open ends) of the two sections are brought together and sealed by means of a heavy sealing strip; hence, one section forms the top and the other the bottom of the container. In packing the container, each section is filled with goods before the sections are joined together.

In view of the fact that the two sections forming appellant's container are identical in size and shape, and, as each is made from a single blank, only one cutting and scoring die is necessary to produce appellant's container.

The patent to Weiss relates to collapsible shipping containers made of fibrous material, and dis-

closes a container composed of three sections. Each section is made from a single blank. One section (the main body portion of the container) is composed of four side walls. The other two sections (the top and bottom portions of the container) are identical in size, shape, and construction, each being composed of side walls (referred to in the patent as "bands") having flaps integral therewith at one end. In forming the container, the walls or "bands" of the top and bottom sections are fitted over and around the ends of the side walls of the main body section and attached thereto "by suitable means such as staples," and the flaps of the top and bottom sections are folded down and fastened together by staples or other suitable means. It should be stated at this point that the walls forming the main body portion of the patentee's container are much longer than the walls or "bands" of the top and bottom portions, as the latter walls or "bands" serve merely to connect the bottom and top sections to the walls forming the main body portion. In view of the fact that the main body portion differs in size and shape from the top and bottom portions of the patentee's container, two cutting and scoring dies are necessary to produce the container.

The patent to Bliss relates to fiber shipping cases and discloses a container composed of three sections, each apparently made from a single blank. One section—the main body portion—is composed of a base and two side walls. Each side wall is provided with an integral flap at its upper end. The base portion serves as the bottom of the container. The other two sections, the end portions of the container (referred to in the patent as the "end blanks"), are identical in size, shape, and construction. They are provided with integral flaps at the upper ends and integral fastening strips or flaps on the sides. In forming the container, the fastening strips or flaps on the sides of the end sections overlap the side walls of the main body portion and are attached thereto by means of staples, and the flaps on the walls of the main body section and the flaps on the upper ends of the end sections are folded down and fastened together by means of staples to form a closure for the top of the container.

The patent to Belsinger (appellant's patent) discloses a shipping container of pulp board material composed of two sections which are identical in shape and size. Each section, which is made from two blanks, is composed of four side walls open at one end and closed at the other by means of a sheet of the container material having flanges which fit down over and, by means of staples, are attached to the side walls. In forming the container, the two sections are brought together and joined as in appellant's involved application; that is, the free edges (open ends) of the two sections are brought together and sealed by means of a heavy sealing strip. Hence, as in the involved application, one section forms the top and the other the bottom of the container. It will be observed, therefore, that the only difference between the container disclosed in appellant's patent and the container defined by appealed claim 2 is that in appellant's patent a closure for each section of the container is formed by means of a separate sheet having flanges, whereas, in his involved application a closure for each section is formed by means of the flaps which are integral with the side walls.

Appealed claim 1 contains the limitation, which is not in appealed claim 2 and is not disclosed in the prior art cited, that, in fastening the integral flaps to form a closure for each section, the staples pass "through the flaps from the interior of the container" and "their outward ends [are] clinched upon the corresponding outer flap"; that is, the "flaps are stapled together from the inside out." In the Belsinger patent (appellant's), the walls of the main body portion of the container and the flanges of the sheet, which sheet forms the closure for each section, are stapled together from the outside in.

In his statement to the Board of Appeals, the Primary Examiner stated that the flap type of closure, such as is called for by the appealed claims,

> "has long been known and extensively used in the art, the Weiss and Bliss patents being merely examples of many others,"

and that the patent to Weiss discloses closure flaps

> "integral with a strip which is folded around to form a body portion, the blank used being obviously similar to applicant's blank * * *."

The Examiner further stated that—

> From Weiss' disclosure it is obvious that two identical blanks would serve for both of his closures, and these blanks when folded up could also obviously be secured together directly by a sealing strip to make *a smaller container* in the manner shown in the Belsinger patent [appellant's]. * * *
>
> The above discussion fully covers every feature of claim 2, and all parts of claim 1 except the provision at the end of the claim *for passing the staples through the flaps from the inside and clinching them at the outside.* This, of course, could not be done for more than one of the closures of a closed box, such as shown by Bliss, but it could be done for both of the closures of Weiss if they were used without an intermediate body member in the way that is shown in the prior Belsinger patent [appellant's]. Furthermore, no obvious advantage appears for thus reversing the staples from the position shown in Bliss, and on the other hand, it might be possible for a persistent pilferer to open out the ends of the staples and get into the box as could not be done if the ends of the staples were clinched inside. [Italics ours.]

The Board of Appeals affirmed the Examiner's decision rejecting the appealed claims, stating in its decision that it was "convinced that the Examiner's action was proper for the reasons stated by him."

It is apparent, as argued by counsel for appellant, that the shipping containers defined by the appealed claims are new and useful, and that they are cheaper to manufacture than the shipping containers disclosed in the reference patents. We are of opinion, however, as were the tribunals of the Patent Office that, in view of the disclosures in the references, the structures defined by the appealed claims do not involve invention.

The patent to Weiss, as hereinbefore set forth, discloses identical top and bottom portions for his container which are composed of side walls or "bands" provided with flaps at one end, the flaps being designed to be stapled together to form a closure. If the main body portion of the Weiss container, which is composed of four side walls, be omitted and the top and bottom portions brought together and secured in the manner disclosed in the Belsinger patent (appellant's), the appealed claims, with the exception of the limitation contained in appealed claim 1 (that the flaps are stapled together from the inside out), would read literally on the Weiss disclosure.

Counsel for appellant argue, however, that there is no suggestion in the patent to Weiss that the main body portion of the container—the four side walls—might be omitted and the top and bottom portions brought together to form a container. That is true. However, we think it is clear that if appellant desired to reduce the cost of manufacture of the container disclosed in his patent, or to otherwise improve it by providing a flap closure for each of the sections thereof, it would, with the exercise of nothing more than mechanical skill, readily occur to him to lengthen the walls or "bands" of the top and bottom portions of the Weiss container and bring the two sections together and seal them in the manner set forth in his patent. Furthermore, we are of opinion that the limitation contained in appealed claim 1 that the flaps are stapled together from the inside out, instead of outside in, is not sufficient to lend patentability to that claim for the reason that such an arrangement, although not disclosed in the references of record, would be obvious to one skilled in the art.

We have given careful consideration to all of the arguments presented here with great earnestness by counsel for appellant, but are unable to hold that the appealed claims define patentable subject matter. Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE RUNDELL

No. 4,399. Decided December 9, 1940

[— F.(2d) —]

PATENTABILITY—COMBINATION OF OLD ELEMENTS—CIGAR MACHINE.

A claim of an application relating to a cigar machine, reciting a combination of old elements associated together by driving connections so that they operate in timed relation, *Held* unpatentable for lack of invention.

APPEAL from Patent Office. Affirmed.

Mr. George S. Hastings for Rundell.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claim 21 in appellant's application for a patent for an alleged invention relating to improvements in a scrap (short filler) cigar bunch machine.

The appealed claim reads:

> 21. In a cigar machine, the combination with a bunch shaping device comprising a rotating drum having arranged about its circumference an endless series of cigar-shaped pockets, of a bunch roller operating to roll filler tobacco in a binder, a hopper for holding a bulk supply of scrap tobacco, means for intermittently delivering tobacco charges from said hopper to said roller to be rolled thereby, mechanism for transferring bunches from said roller to said device, a binder cutting means, a transfer for transferring a binder from said means to said bunch roller, intermittent drive mechanism for intermittently rotating said drum, and driving connections between said intermittent mechanism, said bunch charge delivering means, said binder transfer, said bunch roller and said transferring mechanism to operate the same in timed relation, said transfer mechanism including means acting on the end of the bunch to locate the same endwise prior to delivery of the same to said shaping device to properly locate the ends thereof relative to the ends of the pockets of said drum.

The references are: Burchardi et al., 1,075,189, October 7, 1913; Liberman, 1,567,279, December 29, 1925; Bargeboer, 1,594,704, August 3, 1926; Snyder, 1,785,822, December 23, 1930.

That appellant's application discloses patentable subject matter is evident from the fact that the Primary Examiner allowed seventeen claims, and, on appeal, three additional claims were allowed by the Board of Appeals.

The appealed claim, which defines an apparatus comprising a combination of old elements, was rejected by the Primary Examiner on the disclosure in the patent to Snyder in view of the disclosures in the patents to Liberman and Burchardi et al., and also on the disclosure in the patent to Bargeboer in view of the disclosures in the patents to Liberman and Snyder.

In his statement to the Board of Appeals, the Primary Examiner described in detail the references of record. In view of the fact that counsel for appellant does not challenge the statement of the Examiner as to the disclosures in the references, we deem it unnecessary to fully describe the reference structures here. It is sufficient to say that the patent to Snyder discloses a bunch shaping device comprising a rotating drum having an endless series of cigar-shaped pockets arranged about its circumference, a bunch roller operating to roll filler tobacco in a binder, and mechanism for transferring bunches from the bunch roller to a bunch shaping device. Mechanism is also provided in the Snyder apparatus for operating the bunch rolling mechanism, the bunch transfer mechanism, and the drum automatically in timed relation. The patentee also discloses the last means called for by the appealed claim; that is, means for acting on the end of the cigar bunch

> "to locate the same endwise prior to delivery of the same to said shaping device to properly locate the ends thereof relative to the ends of the pockets of said drum."

The patentee does not disclose a hopper for holding a bulk supply of scrap tobacco, nor means "for intermittently delivering tobacco charges" from the hopper to the bunch roller, as called for by the appealed claim. However, those elements are disclosed in the patent to Liberman, and it was the view of the Primary Examiner that it would not involve invention to add to the Snyder apparatus the Liberman hopper and the means disclosed by Liberman for automatically feeding tobacco to a bunch roller.

The patent to Snyder does not disclose a binder cutting means, nor a binder transfer for transferring a binder from the cutting means to the bunch roller, as called for by the appealed claim. However, both of those elements are disclosed in the

patent to Burchardi et al., and the Primary Examiner was of opinion that it would be obvious to one skilled in the art to provide the modified Snyder apparatus with those elements, and associate all the elements in the modified Snyder apparatus in timed relation.

We quote from the Examiner's statement to the Board of Appeals:

> • • • Since in Burchardi, the binder die, the binder transfer and the rolling table, which are operated from inter-connected shafts • • • are automatically synchronized with each other and with the other elements of the machine, and since Snyder's various parts are synchronized • • • and since Liberman's mechanism is driven from [a] main drive shaft • • •, it would be obvious to synchronize the hopper mechanism, charge delivery mechanism, the binder cutter, and the binder transfer with each other and with the other elements of the Snyder machine to which they are added. Otherwise the machine would lack utility, since it is necessary that the various parts of the machine operate on the tobacco in sequence. Also in Burchardi, the means • • • for delivering tobacco to the rolling apron • • • is synchronized with the operation of the rolling apron, both being operated from shaft 72 [one of the main shafts]. Thus it would be obvious to synchronize all parts of the modified Snyder machine.

The patent to Bargeboer discloses a bunch roller, which operates to roll filler tobacco in a binder. It also discloses binder cutting means and means—a transfer—for transferring a binder from the cutting means to the bunch roller, all of which elements are synchronized. The Primary Examiner was of opinion that it would not involve invention to associate the elements disclosed in the patents to Liberman and Snyder in synchronized relation to the bunch roller disclosed in the patent to Bargeboer.

In its decision affirming the decision of the Primary Examiner, the Board of Appeals stated that the appealed claim

> "does not sufficiently set forth unobvious details as to the means which appellant has provided for automatically effecting the transfer. We believe that it would have been generally recognized that an automatic transfer would be desirable and we consider that appellant should be limited to patentable details whereby he has accomplished the improvement."

It is true, as argued by counsel for appellant, that no single reference of record suggests the general combination defined by the appealed claim, and that appellant's apparatus is new and useful. However, we are in agreement with the views expressed by the tribunals of the Patent Office that, with the references of record before him, the desirability of combining the hopper and mechanism for delivering tobacco charges therefrom, disclosed in the patent to Liberman, with the bunch roller of the Snyder apparatus and also combining the binder cutting means and binder transfer of the Burchardi et al. device with the thus modified Snyder apparatus would readily occur to one skilled in the art.

It will be observed that the appealed claim merely calls broadly for associating together several old elements by "driving connections" so that they operate in timed relation, and the Primary Examiner was of opinion that each of those elements performs the same function in appellant's unitary device that it did in the prior art. The Examiner's statement in that regard is not challenged here by counsel for appellant. Furthermore, there is nothing in the brief of counsel for appellant, nor in the record, to indicate that it required anything more than mechanical skill to associate broadly the old elements so that they would operate in timed relation in appellant's unitary device.

In view of the fact that scrap tobacco is automatically fed from the hopper in the Liberman structure to the rolling apron, that the binder cutting means and the binder transfer and roller in the Burchardi et al. structure operate in timed relation, and that the involved elements in the Snyder apparatus also operate automatically and in timed relation, we are unable to hold that it would involve invention to combine those old elements so that they would operate in timed relation in a unitary device.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FORSS

No. 4,416. Decided February 3, 1941

[— F.(2d) —]

PATENTABILITY—PORTABLE ELECTRIC TOOL.

Claims for a portable electric tool *Held* unpatentable as requiring no more than the exercise of mechanical skill in view of the prior patent cited.

APPEAL from Patent Office. Affirmed.

Mr. Eugene C. Wann (*Mr. Charles J. Diller* of counsel) for Forss.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for want of patentability over the cited prior art, claims 1 and 2 of appellant's application. No claims were allowed.

Claim 1 is illustrative and reads as follows:

> 1. A remote control for a portable motor operated high frequency electric tool comprising in combination with said tool, a high voltage circuit connected to the tool motor, a switch in said circuit at a point remote from the tool, a low voltage circuit having a switch therein at the tool, a step-down transformer between said circuits, and a solenoid energized by the low voltage current on closing the low voltage switch at the tool to close the high voltage switch for operating the tool.

But one reference was cited, viz: Sawyer, 2,022,155, November 26, 1935.

The subject matter of appellant's application is concisely described by the Examiner in his statement as follows:

> This application relates to an arrangement for controlling portable electric tools and the like, in which the power circuit is controlled by a contactor at a distance from the tool. The contactor operating coil is energized from a stepdown transformer adjacent thereto, through a control circuit extending to a control switch on the tool. By this arrangement, as pointed out by applicant, the relatively high voltage circuits may be protected by unbroken high strength insulation to and within the tool motor and the only circuits more or less exposed to accumulated dust or moisture which might produce shock hazard are relatively harmless low voltage circuits. Also the comparatively bulky power switch is not mounted on the tool and only a small control switch need be mounted on the tool.

The patent to Sawyer discloses an arrangement very similar to that disclosed by appellant, except that Sawyer's control circuit is energized by the same voltage as is supplied to the tool motor.

The Board of Appeals in its decision affirming the decision of the Examiner stated:

> The Examiner has held that if it is desired to avoid the disadvantages of the high voltage control circuit of the patent, it would be obvious to an ordinary mechanic to include a suitable step-down transformer in the switch casing of the reference connected in an obvious manner to energize the control circuit. The Examiner points out that it is common practice, as in ordinary doorbell and furnace control systems, to energize control circuits by means of step-down transformers to minimize the danger of shock, etc.
>
> Appellant argues that low voltage doorbell and furnace control circuits are not used to control switches in high voltage circuits, but that the reason for using a low voltage circuit in a doorbell or furnace control system is to avoid the necessity of using rigid metal or flexible metal pipes or tubing to carry the wires.
>
> It is believed that the Examiner's position that these are step-down transformers to minimize the danger of shock is a correct one and while there may be such reasons as applicant points out, it is our view that it would not amount to invention to incorporate such a mechanism into the organization of the Sawyer patent.

We are not in agreement with appellant's view that the well-known low voltage door-bell and furnace control circuits would not suggest to one skilled in the art that to avoid shock at the control switch of Sawyer a step-down transformer be employed and connected in the obvious manner to reduce the voltage of the control circuit.

To energize either a door-bell circuit or a control circuit for furnaces it is obvious that the full voltage of the power circuit is unnecessary, and therefore the voltage is reduced by well-known means to a point which, while ample for the operation of these circuits, is also relatively free of hazards of various kinds, such as might result from short circuits or arcing, incident to the use of relatively higher voltages; and by using such reduced voltage the necessity of expensive insulation is also avoided.

If, as appellant contends, the hazard of shock is still present in tools constructed in the manner taught by Sawyer, by reason of the high voltage of the control circuit, one skilled in the art would know that such high voltage was wholly unnecessary, the only purpose of the control circuit being to operate the power switch, and it seems to us that it would readily occur to him that danger of shock from that source could be avoided by reducing the voltage in the control circuit by means which, as above stated, are well-known.

It seems to us that, in view of the recognized state of the art, it would never occur to a skilled mechanic that to avoid shock he must reduce the voltage of the power circuit as well as the voltage of the control circuit, as appellant suggests; but he would know that the voltage of the control circuit was higher than was necessary to operate the power circuit switch, and hence would, without any exercise of the inventive faculty, reduce the voltage in the control circuit in the same manner as is disclosed in appellant's application.

For the reasons herein stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,378,604. (See 1,721,663.) 1,486,822. (See 1,541,675.)

1,493,217, R. C. Mathes, Vacuum tube circuit; 1,936,162, R. A. Helsing, Transmission system; 2,212,845, A. M. Nicholson, Generating and transmitting electric currents, D. C., S. D. Calif. (Los Angeles), Doc. 1243–BH, *American Telephone & Telegraph Co.* v. *V. Zankich.* Judgment favor plaintiff holding patents valid and infringed as to certain claims; dismissed as to 1,493,217 without prejudice Jan. 27, 1941.

1,507,016, L. De Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system, D. C., S. D. Calif. (Los Angeles), Doc. 1244–JO, *American Telephone & Telegraph Co. et al.* v. *V. Zankich.* Judgment favor plaintiff, holding patents valid and infringed as to certain claims Jan. 27, 1941.

1,507,017. (See 1,507,016.)

1,541,675, 1,604,092, I. D. Wolfson, Necktie; 1,604,091, same, Necktie and method of making same; 1,826,035, same, Reversible necktie; 2,050,596, same, Resilient tie; 2,105,306, same, Four-in-hand tie; 2,083,106, 1,836,216, same, Adjustable necktie; 2,123,620, same, Facing band and multiple band strip; 2,176,754, same, Facing band; 1,486,822, Wolfson & Wolfson, Necktie, D. C., S. D. N. Y., Doc. 10/134, *The Ingenuities Corp. of America et al.* v. *The Metcalf Neckwear Co. et al.* Order Jan. 28, 1941.

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths therefor; 1,802,463, same, Process of producing chromium-plated articles with mirror-like scratch-finish or like surfaces, filed Feb. 1, 1941, D. C., N. D. Ohio, E. Div., Doc. 20684, *United Chromium, Inc.*, v. *The Royal Brass Mfg. Co.*

1,597,999, Nilson & Prince, Windshield cleaner part; 1,853,715, J. W. Anderson, Wiper; 1,950,588, same, Windshield wiper, D. C. Mass., Doc. 458, *The Anderson Co. of Indiana et al.* v. *Lion Products Co., Inc.* Judgment for defendant Jan. 9, 1941.

1,604,091. (See 1,541,675.) 1,604,092. (See 1,541,675.)

1,645,927, H. C. Pierce, Chromium plating; 1,963,363, P. P. Hale, Plating fixture, filed Feb. 1, 1941, D. C., N. D. Ohio, E. Div., Doc. 20683, *Metals Protection Corp.* v. *Chrome Engineering Co.*

1,681,443. (See 1,721,663.)

1,721,663, A. Holzhauer, Jr., Heating attachment for windshields; 1,378,604, J. W. Murphy, Condensation preventing device; Re. 17,821 (of 1,681,443), H. H. Steinman, Anti-frost device for windows, D. C., M. D. Pa. (Scranton), Doc. 1213, *Holzhauer Products Corp.* v. *J. Ruane.* Dismissed Jan. 21, 1941.

1,736,544, H. E. Mead, Cigar-lighter; 2,140,311, 2,117,232, J. H. Cohen, Cigar-lighter, C. C. A., 2d Cir., Doc. —, *The Automatic Devices Corp.* v. *The Cuno Engineering Corp.* Decree affirmed in part, reversed in part (notice Feb. 3, 1941).

1,755,114, L. A. Hazeltine, Unicontrol signaling system; 1,755,115, same, Variable condenser, filed Jan. 31, 1941, D. C., E. D. Mich., S. Div., Doc. 2437, *Hazeltine Corp.* v. *General Motors Corp.* Same, D. C., S. D. Ohio, W. Div., Doc. 277, *Hazeltine Corp.* v. *The Crosley Corp.*

1,755,115. (See 1,755,114.)

1,802,463. (See 1,581,188.) 1,826,035. (See 1,541,675.)

1,833,085, V. C. MacNabb, Volume control; 1,934,940, J. M. Miller, Radio receiving apparatus, filed Feb. 1, 1941, D. C., S. D. Ohio, W. Div., Doc. 280, *Hazeltine Corp.* v. *The Crosley Corp.*

1,836,216. (See 1,541,675.) 1,853,715. (See 1,597,999.)

1,859,213, H. McCornack, Apparatus for milking; 2,050,356, same, Process of milking, filed Jan. 22, 1941, D. C., N. D. Iowa (Dubuque), Doc. 33, *McCornack Inventions, Inc., et al.* v. *The Universal Milking Machine Co. et al.*

1,890,426, V. C. MacNabb, Radio receiving system; 2,007,253, W. A. MacDonald, Wave signaling system; 2,021,692, H. M. Lewis, Short wave receiver; Re. 20,400, same, Short wave converter, filed Feb. 1, 1941, D. C., S. D. Ohio, W. Div., Doc. 281, *Hazeltine Corp.* v. *The Crosley Corp.*

1,904,185, 2,048,528, H. A. Wheeler, Low frequency amplifier, filed Jan. 31, 1941, D. C., S. D. Ohio, W. Div., Doc. 278, *Hazeltine Corp.* v. *The Crosley Corp.*

1,913,604, 2,022,514, W. A. MacDonald, Wave signaling system, filed Jan. 30, 1941, D. C., E. D. Mich., S. Div., Doc. 2428, *Hazeltine Corp.* v. *General Motors Corp.*

1,920,162, Amy & King, Radio aerial attachment; 1,938,092, Amy & Aceves, Radio receiving system, D. C., S. D. N. Y., Doc. E 77/259, *Amy, Aceves & King, Inc.*, v. *Wholesale Radio Service Co., Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

1,932,731, B. L. Hathorne, Refrigerating apparatus; Re. 20,693 (of 2,025,290), J. M. Kisselle, Sharp freezing container, filed Jan. 27, 1941, D. C., E. D. Mich., S. Div., Doc. 2420, *Copeman Laboratories Co.* v. *Bowen Products Corp.*

1,934,940. (See 1,833,085.) 1,936,162. (See 1,493,217.)

1,938,092. (See 1,920,162.) 1,950,588. (See 1,597,999.)

1,963,363. (See 1,645,927.)

2,002,812, J. Hansen, Method for producing cutter blades for slicing machines; 2,082,832, same, Machine for producing and re-sharpening cutter blades, C. C. A., 8th Cir., Doc. 11756, *H. C. Simmons* v. *J. Hansen.* Decree reversed and cause remanded with directions to dismiss complaint Jan. 21, 1941.

2,006,786. (See 2,137,913.) 2,007,253. (See 1,890,426.)

2,021,692. (See 1,890,426.)

2,021,692, H. M. Lewis, Short wave receiver; Re. 20,400, same, Short wave converter, filed Jan. 31, 1941, D. C., E. D. Mich., S. Div., Doc. 2438, *Hazeltine Corp.* v. *General Motors Corp.*

2,022,514. (See 1,913,604.) 2,025,290. (See 1,932,731.)

2,048,528. (See 1,904,185.) 2,050,356. (See 1,859,213.)

2,050,596. (See 1,541,675.) 2,082,832. (See 2,002,812.)

2,083,106. (See 1,541,675.)

2,098,684. (See Des. 104,187.)

2,100,808. (See Des. 104,187.)

2,105,086, Liskin & Stimmel, Shipping case; 2,189,076, J. Liskin, Folding shipping case, filed Jan. 31, 1941, D. C., S. D. N. Y., Doc. 12/458, *Standard Corrugated Case Corp.* v. *Serchest Co., Inc., et al.*

2,105,306. (See 1,541,675.) 2,117,232. (See 1,736,544.)

2,123,620. (See 1,541,675.)

2,137,913, O. Kind, Securing and carrying means for packages; 2,006,786, J. Beauvisage, Adhesive band for closing paper wrappers of packages, D. C., N. D. Calif. (San Francisco), Doc. 21313-L, *Carry-Pack Corp.* v. *Blake, Moffitt & Towne et al.* Claims 3, 4, and 5 of 2,006,786, and claims 2 to 8 inclusive of 2,137,913 held valid and infringed, injunction; counterclaim dismissed with prejudice Jan. 25, 1941.

2,140,311. (See 1,736,544.)

2,157,580, Volt & Weimer, Process of making a reinforced ball; 2,221,533, same, Athletic ball; 2,221,534, same, Method of making athletic ball, filed Jan. 23, 1941, D. C., S. D. Calif. (Los Angeles), Doc. 1376-RJ, *W. J. Voit et al* v. *Clark Bros. et al.*

2,176,754. (See 1,541,675.) 2,189,076. (See 2,105,086.)

2,212,845. (See 1,493,217.) 2,221,533. (See 2,157,580.)

2,221,534. (See 2,157,580.)

Re. 17,821. (See 1,721,663.)

Re. 20,400. (See 1,890,426 and 2,021,692.)

Re. 20,693. (See 1,932,731.)

Des. 78,777, H. C. Mundstock et al., Pencil; Des. 78,795, C. R. Sheaffer Fountain Pen, D. C., S. D. N. Y., Doc. 7-101, *W. A. Sheaffer Pen Co.* v. *L. E. Waterman Co.* Order (notice Jan. 30, 1941).

Des. 78,795. (See Des. 78,777.)

Des. 104,187, W. L. Fry, Knitted reupholstering envelope; 2,098,684, same, Slip cover; 2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, D. C., S. D. N. Y., Doc. E 86-233, *Sure-Fit Products Co.* v. *Fry Products, Inc., et al.* Dismissed for lack of prosecution Jan. 21, 1941.

Des. 115,264, Des. 115,471, P. Fracchia, Dress, D. C., S. D. N. Y., Doc. 4/280, *Rosenthal & Kalman* v. *Littmann's Thirty Fourth Street Corp.* Consent judgment Jan. 31, 1941.

Des. 115,471. (See Des. 115,264.)

Disclaimers

2,117,232.—*Joseph H. Cohen*, Bridgeport, Conn. CIGAR-LIGHTER. Patent dated May 10, 1938. Disclaimer filed March 19, 1941, by the assignee, *Automatic Devices Corporation.*

Hereby enters this disclaimer to claims 1, 2, 10, 11, 16, 17, and 18 of the patent.

T. M. 298,354.—*H. & L. Block, Ltd.*, San Francisco, Calif. TRADE-MARK "BLOCK BILT" FOR COATS AND LEATHER COATS, LEATHER VESTS, LEATHER BREECHES, WOOL BLAZERS, NECKTIES, LEATHER GLOVES FOR MEN, WOMEN, AND CHILDREN. Registered October 25, 1932. Disclaimer filed March 31, 1941, by the registrant, *H. & L. Block, Ltd.*

Hereby disclaims the right to use the trade-mark "Block Bilt" on or in connection with coats (other than leather coats and coats made principally of leather), wool blazers, and neckties.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 22, 1941

[VOL. 525. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 421,411. ALLMANNA SVENSKA UTSADES AKTIEBOLAGET, Svalov, Sweden. Filed July 10, 1939.

ALLMÄNNA SVENSKA SVALÖF UTSÄDESAKTIEBOLAGET

No claim is made to the term "Svalof" apart from the mark.

FOR FIELD SEEDS.

Claims use since Feb. 6, 1928.

Ser. No. 439,093. CARNEGIE DOCK & FUEL COMPANY, Minneapolis, Minn. Filed Dec. 23, 1940.



The picture is fanciful. The words "Heat Satisfaction" and "Coal" are disclaimed apart from the mark.

FOR HIGH VOLATILE PREMIUM BITUMINOUS COAL.

Claims use since Aug. 30, 1940.

Ser. No. 439,425. ALOX CORPORATION, Niagara Falls, N. Y. Filed Jan. 6, 1941.

ALOX

FOR OXIDIZED PETROLEUM HYDROCARBON MASSES IN PASTE TO LIQUID FORM FOR GENERAL USE IN THE INDUSTRIAL ARTS.

Claims use since Jan. 2, 1930.

Ser. No. 440,080. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Jan. 29, 1941.

MELMAC

FOR CONDENSATION PRODUCTS OF ALDEHYDES AND AMINES—NAMELY, SYNTHETIC RESINS AND COMPOSITIONS THEREOF.

Claims use since Dec. 12, 1940.

CLASS 2

RECEPTACLES

Ser. No. 439,985. "AUTOMATIC" SPRINKLER COMPANY OF AMERICA, Youngstown, Ohio. Filed Jan. 27, 1941.

TROJAN

FOR STORAGE TANKS.

Claims use since June 15, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 433,721. THE PEP BOYS—MANNY, MOE & JACK, Philadelphia, Pa. Filed July 5, 1940.

PEP BOYS



MANNY MOE & JACK

HAND SOAP

No claim is made to the words "Hand Soap" and "4 Lbs. Net" apart from the mark. The pen and ink sketches are intended to represent the officers of the applicant corporation.

FOR HAND SOAP.

Claims use since May 1, 1940.

Ser. No. 437,466. DOMINANT PRODUCTS CO., INC., New York, N. Y. Filed Nov. 1, 1940.

DOMINANT

FOR METAL POLISHING PREPARATION AND FOR SOAPS AND DETERGENTS.
Claims use since Feb. 1, 1936.

Ser. No. 441,052. THE J. B. FORD COMPANY, Wyandotte, Mich. Filed Feb. 27, 1941.

CITRIFOAM

FOR CITRUS FRUIT CLEANER.
Claims use since December, 1940.

Ser. No. 441,185. THE SELIG COMPANY, Atlanta, Ga. Filed Mar. 3, 1941.

KLEENAPART

FOR LIQUID METAL CLEANER.
Claims use since Sept. 4, 1940.

Ser. No. 441,272. THE WARNER CHEMICAL COMPANY, New York, N. Y. Filed Mar. 5, 1941.

88

FOR DRY CLEANING SOLVENTS.
Claims use since Apr. 25, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 425,860. PROTEX INDUSTRIES, INC., New York, N. Y. Filed Nov. 24, 1939.



FOR LATEX AND TOXIC LATEX AS A COATING FOR TREES, PLANTS, AND OTHER PRODUCTS.
Claims use since October, 1936.

Ser. No. 428,568. PH. CHALEYER, INC., New York, N. Y. Filed Feb. 15, 1940.

COUNTRY GARDENS

FOR PERFUME.
Claims use since Feb. 1, 1940.

Ser. No. 434,222. THE RAOLIN CORPORATION, New York, N. Y. Filed July 22, 1940.

RAOLIN

FOR CHLORINATED RUBBER AND COMPOSITIONS SUCH AS RESINS CONTAINING THE SAME AND HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Sept. 20, 1937.

Ser. No. 436,000. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Sept. 16, 1940.

CHEN
CHIPROOF
Y
U

FOR LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, PADS IMPREGNATED WITH DEODORANT AND ANTI-PERSPIRANT LOTION, CREAMS FOR THE HANDS AND FACE, CLEANSING PADS IMPREGNATED WITH LOTION; PREPARATIONS FOR SKIN, HAIR AND FINGER NAILS; AND PERFUMES.
Claims use since June 13, 1938.

Ser. No. 437,241. FILTREX COMPANY, INC., Elizabeth, N. J. Filed Oct. 24, 1940.

FILTREX

FOR WATER TREATMENT COMPOUND DESIGNED FOR THE PREVENTION OF SCALE, PITTING AND CORROSION IN BOILERS, CONDENSERS, STEAM COILS AND OTHER EQUIPMENT WHERE METAL SURFACES ARE EXPOSED TO STEAM AND WATER.
Claims use since Aug. 21, 1939.

Ser. No. 437,242. FILTREX COMPANY, INC., Elizabeth, N. J. Filed Oct. 24, 1940.

HEATREX

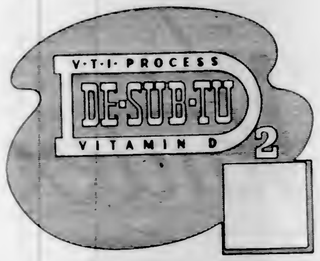
FOR WATER TREATMENT COMPOUND DESIGNED FOR THE PREVENTION OF SCALE, PITTING AND CORROSION IN BOILERS, CONDENSERS, STEAM COILS AND OTHER EQUIPMENT WHERE METAL SURFACES ARE EXPOSED TO STEAM AND WATER.
Claims use since Sept. 9, 1939.

Ser. No. 438,370. MARION HAYES BLAKEMAN, Provincetown, Mass. Filed Nov. 30, 1940.

Personal Appearance

FOR BATH POWDERS, CLEANSING CREAMS, COLOGNES, CREAM ROUGES, FACE POWDERS, HAND LOTIONS, LIPSTICKS, NIGHT CREAMS, PERFUMES, SKIN LOTIONS, AND TOILET WATER.
Claims use since July 4, 1938.

Ser. No. 438,819. VITAMIN TECHNOLOGISTS, INC., Los Angeles, Calif. Filed Dec. 13, 1940.



The drawing is lined for the color blue. Applicant disclaims the words "Process" and "Vitamin D" apart from the mark.
FOR ACTIVATED ERGOSTEROL DISSOLVED IN SESAME OIL.
Claims use since April, 1940.

Ser. No. 439,478. A. D. CHAPMAN & COMPANY, INC., Chicago, Ill. Filed Jan. 8, 1941.

PERMASEAL

FOR CHEMICAL PREPARATION FOR PRESERVING AND WATER-PROOFING WOOD, FABRIC, AND OTHER CELLULOSIC MATERIALS.
Claims use since Dec. 27, 1940.

Ser. No. 439,574. IRMA ARMANET, San Francisco, Calif. Filed Jan. 11, 1941.

FLEURS DES ALPES

FOR PERFUME.
Claims use since Mar. 20, 1940.

Ser. No. 439,673. E. R. SQUIBB & SONS, New York, N. Y. Filed Jan. 14, 1941.

DENZYLOR

FOR ORAL PREPARATIONS FOR USE AS DENTIFRICES AND MOUTH WASHES.
Claims use since Jan. 6, 1941.

Ser. No. 439,726. THE PEERLESS CARBON BLACK COMPANY, Pittsburgh, Pa. Filed Jan. 16, 1941.

MARATHON

FOR BLACK CARBON PIGMENT FOR USE IN THE INDUSTRIAL ARTS.
Claims use since Jan. 14, 1932.

Ser. No. 439,804. CHARLES OF THE RITZ, INC., New York, N. Y. Filed Jan. 21, 1941.

tingle

FOR TOILET WATER.
Claims use since September, 1938.

Ser. No. 440,198. CLIFFORD J. HECKERT, doing business as Medix Co., New York, N. Y. Filed Feb. 1, 1941.

XPRIN-PEPRIN XTRAS

FOR PREPARATION FOR THE RELIEF OF HEADACHE, NEURALGIA, MUSCULAR PAINS, AND COLD SYMPTOMS.
Claims use since Dec. 20, 1940.

Ser. No. 440,226. THE ULRICI MEDICINE COMPANY, INC., New York, N. Y. Filed Feb. 1, 1941.



The words "Remedies" and "Trade-mark" are disclaimed apart from the mark.

FOR PREPARATIONS USEFUL AS AN AID TO CONVALESCENCE FROM ILLNESS, AS TONICS AND RECONSTITUENTS TO AID IN THE DEVELOPMENT OF CHILDREN AND IN THE CARE OF MOTHERS DURING AND AFTER CHILDBIRTH, AND INDICATED IN AND FOR THE TREATMENT OF ANEMIA; BILIOUS DIARRHOEA; BILIOUSNESS; CHLOROSIS; CHRONIC CATARRH; CHRONIC INDIGESTION; COLD SWEAT; CONGESTION; CONSTIPATION; COUGHS; DIMINUTION, IMPAIRMENT OR LOSS OF APPETITE, ENERGY, RESISTANCE, STRENGTH, VITALITY AND WEIGHT; DIMINUTION OF THE QUANTITY OR IMPAIRMENT OF THE QUALITY OF THE BLOOD; DYSPEPSIA; FATIGUE; GENERAL DEBILITY; GRIPPE; HEPATITIS; INFLUENZA; LIVER COMPLAINT; LYMPHATISM; MELANCHOLIA; MENSTRUAL DISORDERS, IRREGULARITIES AND PAINS; MENTAL DEPRESSION AND FATIGUE; NERVOUS DEPRESSION; EXHAUSTION AND OTHER AFFECTIONS, DISORDERS OR MALADJUSTMENTS OF THE NERVOUS SYSTEM; NEURASTHENIA; PHYSICAL DISORDERS RESULTING FROM THE CHANGE OF LIFE OF WOMEN; RICKETS; SALLOWNESS; SCROFULA; WEAKNESS OF THE LUNGS; TO BUILD BLOOD, BONE AND TISSUE; TO PURIFY AND ENRICH THE BLOOD; TO STRENGTHEN THE LUNGS; AND AS A PREVENTATIVE AGAINST ANEMIA, BERI-BERI AND INCIPIENT TUBERCULOSIS.

Claims use since 1902.

Ser. No. 440,227. THE ULRICI MEDICINE COMPANY, INC., New York, N. Y. Filed Feb. 1, 1941.

J. F. Ulrici

The mark is the facsimile signature of Dr. David J. Ulrici, deceased.

FOR PREPARATIONS USEFUL AS AN AID TO CONVALESCENCE FROM ILLNESS, AS TONICS AND RECONSTITUENTS TO AID IN THE DEVELOPMENT OF CHILDREN AND IN THE CARE OF MOTHERS DURING AND AFTER CHILDBIRTH, AND INDICATED IN AND FOR THE TREATMENT OF ANEMIA; BILIOUS DIARRHOEA; BILIOUSNESS; CHLOROSIS; CHRONIC CATARRH; CHRONIC INDIGESTION; COLD SWEAT; CONGESTION; CONSTIPATION; COUGHS; DIMINUTION, IMPAIRMENT OR LOSS OF APPETITE, ENERGY, RESISTANCE, STRENGTH, VITALITY AND WEIGHT; DIMINUTION OF THE QUANTITY OR IMPAIRMENT OF THE QUALITY OF THE BLOOD; DYSPEPSIA; FATIGUE; GENERAL DEBILITY; GRIPPE; HEPATITIS; INFLUENZA; LIVER COMPLAINT; LYMPHATISM; MELANCHOLIA; MENSTRUAL DISORDERS, IRREGULARITIES AND PAINS; MENTAL DEPRESSION AND FATIGUE; NERVOUS DEPRESSION; EXHAUSTION AND OTHER AFFECTIONS, DISORDERS OR MALADJUSTMENTS OF THE NERVOUS SYSTEM; NEURASTHENIA; PHYSICAL DISORDERS RESULTING FROM THE CHANGE OF LIFE OF WOMEN; RICKETS; SALLOWNESS; SCROFULA; WEAKNESS OF THE LUNGS; TO BUILD BLOOD, BONE AND TISSUE; TO PURIFY AND ENRICH THE BLOOD; TO STRENGTHEN THE LUNGS; AND AS A PREVENTATIVE AGAINST ANEMIA, BERI-BERI AND INCIPIENT TUBERCULOSIS.

Claims use since 1902.

Ser. No. 440,352. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Feb. 6, 1941.

LIQUID BRONZE GLO—

The words "Liquid Bronze" are disclaimed apart from the mark.

FOR SKIN LOTIONS.

Claims use since Nov. 13, 1939.

Ser. No. 440,383. RIC PRODUCTS INC., Philadelphia, Pa. Filed Feb. 6, 1941.

RIC

FOR PERFUME STICKS.

Claims use since Nov. 6, 1939.

Ser. No. 440,394. TRIPOLI BARBERS' SUPPLY COMPANY, doing business as Tripoli Co., Philadelphia, Pa. Filed Feb 6, 1941.

Vantex

FOR HAIR PREPARATION.

Claims use since March, 1940.

Ser. No. 440,493. CROWN PRODUCTS CORPORATION, Los Angeles, Calif. Filed Feb. 10, 1941.

MIRACLE BLEACH

No claim is made to the word "Bleach" apart from the mark.

FOR BLEACHING WATER.

Claims use since Dec. 4, 1940.

Ser. No. 440,661. PERIDE PRODUCTS, INC., Brooklyn and New York, N. Y. Filed Feb. 14, 1941.

LUR-em

FOR INSECTICIDES.

Claims use since Jan. 7, 1940.

Ser. No. 440,708. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Feb. 15, 1941.

CADURA

FOR COFFEE IMPROVER, PARTICULARLY A YEAST-CONTAINING COMPOSITION FOR FACILITATING THE FERMENTATION OF PULPED COFFEE IN ITS PREPARATION FOR MARKET.

Claims use since Dec. 3, 1940.

Ser. No. 440,777. DU PONT FILM MANUFACTURING CORPORATION, New York, N. Y. Filed Feb. 19, 1941.

27

FOR X-RAY FIXER.

Claims use since May 15, 1940.

Ser. No. 440,778. DU PONT FILM MANUFACTURING CORPORATION, New York, N. Y. Filed Feb. 19, 1941.

47

FOR X-RAY DEVELOPER.

Claims use since May 15, 1940.

Ser. No. 440,886. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Feb. 21, 1941.

AROCASCARA

FOR STIMULANTS, CATHARTICS, LAXATIVES, APERIENTS, CHOLOGOGUES, ELIMINANTS, EVACUANTS.

Claims use since Jan. 16, 1941.

Ser. No. 440,897. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Feb. 21, 1941.

BETASYNPLEX

FOR VITAMIN B COMPLEX PREPARATION.

Claims use since Jan. 31, 1941.

Ser. No. 441,031. NATMON PLATE CO., Lowell, Mass. Filed Feb. 26, 1941.



The picture is fanciful.

FOR PERFUMES AND SACHETS.

Claims use since Jan. 1, 1938.

Ser. No. 441,144. ROPHON, INC., New York, N. Y. Filed Mar. 1, 1941.

EXTRAVAGANCE

FOR PERFUMES AND TOILET WATERS, FACE POWDER AND BATH POWDER.

Claims use since Feb. 27, 1941.

Ser. No. 441,213. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed Mar. 4, 1941.

SECREMOL

FOR PREPARATION FOR THE RELIEF OF COUGHS.

Claims use since Jan. 20, 1941.

Ser. No. 441,274. ANGLO-FRENCH LABORATORIES, INC., New York, N. Y. Filed Mar. 6, 1941.

FRANGALL

FOR MEDICINAL PREPARATIONS AND PARTICULARLY AS A LAXATIVE.

Claims use since June, 1940.

Ser. No. 441,343. BENDINER & SCHLESINGER, INC., New York, N. Y. Filed Mar. 8, 1941.

ORIGA

FOR PREPARATION FOR THE HAIR.

Claims use since July, 1935.

Ser. No. 441,451. ARTHUR E. SMITH, Los Angeles, Calif. Filed Mar. 11, 1941.

TRAP-DOOR

FOR LOCAL ANESTHETIZING, NERVE BLOCKING TABLETS; LOCAL ANESTHETIZING, NERVE BLOCKING POWDERS; LOCAL ANESTHETIZING, NERVE BLOCKING SOLUTIONS; ANESTHETIC TABLETS, ANESTHETIC POWDERS, AND ANESTHETIC SOLUTIONS.

Claims use since Mar. 4, 1941.

Ser. No. 441,469. DIFCO LABORATORIES INCORPORATED, Detroit, Mich. Filed Mar. 12, 1941.

MEGALIN

FOR PHARMACEUTICAL PREPARATION—NAMELY, A PREPARATION OF THE ANTERIOR PITUITARY GLAND DESIGNED FOR USE IN IMPAIRED CONDITIONS OF THE ANTERIOR PITUITARY GLAND.

Claims use since Mar. 15, 1940.

Ser. No. 441,497. WILLIAM J. WARDALL, trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Filed Mar. 12, 1941.

LISEX

FOR VITAMIN PRODUCTS, AND PARTICULARLY A PRODUCT COMPRISING CONCENTRATES OF VITAMIN B, G, B_6 AND OTHER FILTRATES AND FACTORS OF THE VITAMIN B COMPLEX.

Claims use since Jan. 4, 1941.

Ser. No. 441,503. ROBERT DENELS, doing business as Robert, New York, N. Y. Filed Mar. 13, 1941.

MUSICAL FEET

FOR FOOT CREAMS.
Claims use since Feb. 1, 1941.

Ser. No. 441,576. HART DRUG CORPORATION, Miami, Fla. Filed Mar. 15, 1941.

SCABENZATE

FOR PREPARATION INDICATED IN THE TREATMENT OF SCABIES.
Claims use since Feb. 24, 1941.

Ser. No. 441,578. LUCIEN LELONG, INC., Chicago, Ill. Filed Mar. 15, 1941.

NICOLE

FOR PERFUMES, COLOGNES, LIPSTICKS, ROUGE, MASCARA, SACHET, FACE POWDER, DUSTING POWDER, AND TALCS.
Claims use since Aug. 18, 1938.

Ser. No. 441,595. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Mar. 15, 1941.

WARCOSOL

FOR CHEMICAL PRODUCT USED FOR DYEING AND FINISHING FOR ALL FIBRES, YARNS, AND FABRICS AS WELL AS LEATHER AND PAPER.
Claims use since Jan. 1, 1935.

Ser. No. 441,655. THE WARNER CHEMICAL COMPANY, New York, N. Y. Filed Mar. 17, 1941.

AQUAFIX

FOR BOILER COMPOUNDS.
Claims use since Jan. 3, 1941.

Ser. No. 441,656. THE WARNER CHEMICAL COMPANY, New York, N. Y. Filed Mar. 17, 1941.

AQUAPHOS

FOR BOILER COMPOUNDS.
Claims use since Jan. 3, 1941.

CLASS 10

FERTILIZERS

Ser. No. 439,052. JOHN H. NELSON, doing business as Nelson Laboratories, Stockton, Calif. Filed Dec. 20, 1940.

CAL-RHIZ

FOR NITROGEN FIXING BACTERIA FOR LEGUME SEED INOCULATION.
Claims use since Mar. 21, 1940.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 440,459. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill. Filed Feb. 8, 1941.

SKETCH-O-RITE

FOR DRAWING INK.
Claims use since Nov. 20, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 428,950. BARBER ASPHALT CORPORATION, Barber, N. J. Filed Feb. 27, 1940.

The Vital Element

FOR COMPOSITION ROOFING AND SHINGLES.
Claims use since May, 1937.

Ser. No. 439,956. ASBESTOS LIMITED, INCORPORATED, New York, N. Y. Filed Jan. 25, 1941.

NEW ERA

FOR FLAT, SEGMENTAL, SECTIONAL, CYLINDRICAL, AND OTHER FORMS OF ASBESTOS HEAT INSULATION UNITS.
Claims use since Jan. 15, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 437,283. ALLAN M. MCDARMENT, doing business as Specialties Company, East Cleveland, Ohio. Filed Oct. 25, 1940.

"JIM DANDY"

FOR TIE HOLDERS TO BE ATTACHED TO WALL OR CLOSET DOOR.
Claims use since Sept. 1, 1938.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 421,826. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden. Filed July 21, 1939.

ÆB

FOR IRON AND STEEL IN STRIPS OR SHEETS.
Claims use since Aug. 24, 1926.

Ser. No. 430,848. ATLANTIC STEEL COMPANY, Atlanta, Ga. Filed Apr. 17, 1940.

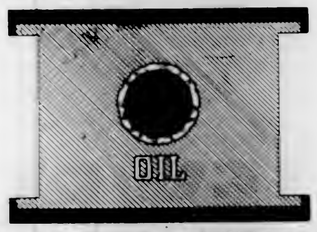
DIXI-PEER

FOR METALLIC WELDING ELECTRODES.
Claims use since Jan. 16, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 409,697. QUAKER OIL CORPORATION, St. Louis, Mo. Filed Aug. 17, 1938.



No claim is made to the word "Oil" apart from the mark. The drawing is lined for green.
FOR LUBRICATING OIL.
Claims use since Mar. 4, 1926.

Ser. No. 439,422. ALOX CORPORATION, Niagara Falls, N. Y. Filed Jan. 6, 1941.

ALOX

FOR LUBRICATING OILS AND GREASES, AND PENETRATING LUBRICATING OILS.
Claims use since July 1, 1930.

Ser. No. 440,947. MACBETH NATHANS, doing business as Echo Oil Co., Charleston, S. C. Filed Feb. 24, 1941.

ECHO

FOR GASOLINE, FUEL OILS, AND LUBRICATING OILS.
Claims use since Feb. 1, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 405,424. STAR CHEMICAL CO., INC., Chicago, Ill. Filed Apr. 18, 1938.

NU SHEEN

FOR CLEANSER AND POLISH FOR LACQUERED OR VARNISHED SURFACES, HAVING CLEANSING PROPERTIES.
Claims use since Apr. 1, 1935.

Ser. No. 440,872. MOUND CITY PAINT & COLOR CO., St. Louis, Mo. Filed Feb. 21, 1941.

PANDURA

FOR READY-MIXED AND PASTE PAINTS, PAINT ENAMELS, PRIMERS AND PAINT SEALERS, VARNISHES AND STAINS.
Claims use since Feb. 1, 1939.

Ser. No. 441,145. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J. Filed Mar. 1, 1941.

Crystaphane

FOR LACQUERS AND VARNISHES.
Claims use since Aug. 15, 1939.

Ser. No. 441,179. RED HAND COMPOSITIONS COMPANY, INC., New York, N. Y. Filed Mar. 3, 1941.

SUBSTECO

FOR ANTI-GALVANIC BLACK PAINT FOR STERN FRAMES OF VESSELS.
Claims use since November, 1938.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 437,455. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J. Filed Oct. 31, 1940.

SINGER

FOR ELECTRIC SCISSORS AND SHEARS.
Claims use since December, 1934.

Ser. No. 441,118. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Feb. 28, 1941.

PORTIO

FOR RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF.
Claims use since Feb. 18, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 429,586. CLETUS A. KLEIN, Caro, Mich. Filed Mar. 12, 1940.

CONVERTIBLE
PICK-UP
TOW-CHIEF

No claim is made to the words "Convertible Pick Up" and "Tow" apart from the mark.
FOR CRANES FOR AUTOMOBILE WRECKERS.
Claims use since January, 1940.

Ser. No. 439,565. LANDON P. SMITH, INC., Irvington, N. J. Filed Jan. 10, 1941.

RedDevil

FOR COMBINATION MECHANICAL AND STEAMING WALL PAPER REMOVERS.
Claims use since Oct. 1, 1940.

Ser. No. 439,566. LANDON P. SMITH, INC., Irvington, N. J. Filed Jan. 10, 1941.

STEAM MASTER

The word "Steam" is disclaimed apart from the mark.
FOR STEAMING WALL PAPER REMOVERS.
Claims use since June 15, 1938.

Ser. No. 439,692. THE DALTON FOUNDRIES, INC., Warsaw, Ind. Filed Jan. 15, 1941.

BIG BOY

FOR AUTOMOBILE LIFTING JACKS.
Claims use since Nov. 14, 1940.

Ser. No. 439,733. CHARLES I. TAGER, Chicago, Ill. Filed Jan. 16, 1941.

FLASH

FOR STAPLING MACHINES.
Claims use since July 1, 1940.

Ser. No. 440,719. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Feb. 17, 1941.

RANGER

FOR SAFETY RAZORS AND SAFETY RAZOR BLADES.
Claims use since Feb. 12, 1941.

Ser. No. 440,774. CHEFFORD MASTER MANUFACTURING CO., INC., Fairfield, Ill. Filed Feb. 19, 1941.

"LUBRO-LIFE"

FOR MACHINERY BEARINGS.
Claims use since Sept. 28, 1940.

Ser. No. 440,789. RHODE ISLAND WARP STOP EQUIPMENT COMPANY, Pawtucket, R. I. Filed Feb. 19, 1941.

K-A

FOR STOP-MOTIONS FOR LOOMS AND WARPING MACHINES, AND DROP WIRES, HEDDLES, AND APPURTENANCES THERETO.
Claims use since Mar. 19, 1915.

Ser. No. 440,811. THE EMELOID CO., INC., Arlington, N. J. Filed Feb. 20, 1941.

JEWEL

FOR PLASTIC KNIVES, PLASTIC TABLE CRUMBERS.
Claims use since Nov. 20, 1940.

Ser. No. 440,963. SKILSAW, INCORPORATED, Chicago, Ill. Filed Feb. 24, 1941.

Rotoedger

FOR ROTARY FLOOR EDGING SANDING MACHINES.
Claims use since Feb. 18, 1941.

Ser. No. 440,987. THE HALL PLANETARY COMPANY, Philadelphia, Pa. Filed Feb. 25, 1941.

VER-AC

FOR MACHINE TOOL ARBORS.
Claims use since Dec. 11, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 421,887. THE MASTER ELECTRIC COMPANY, Dayton, Ohio. Filed July 24, 1939.

MASTER All-Weather

FOR AUTOMATIC ELECTRIC CONTROLS FOR REGULATING FLUE PIPE AND FURNACE BONNET TEMPERATURES.
Claims use since May 23, 1939.

Ser. No. 433,046. INTERNATIONAL BUSINESS MACHINES CORPORATION, Endicott, N. Y. Filed June 15, 1940.

INTERNATIONAL print time

Applicant disclaims the word "Printime" apart from the mark.
FOR TIME STAMPS.
Claims use since Mar. 12, 1940.

Ser. No. 439,520. MASTER RULE MFG. CO. INC., New York, N. Y. Filed Jan. 9, 1941.

TUFBOY

FOR RULES, FOLDING RULES, AND EXTENSION RULES.
Claims use since July, 1939.

Ser. No. 439,552. POLAROID CORPORATION, Cambridge, Mass. Filed Jan. 10, 1941.

POLAROID

FOR STEREOSCOPIC VIEWERS AND THE LIKE.
Claims use since Nov. 19, 1935.

Ser. No. 439,808. PHILIP FISCHER, Chicago, Ill. Filed Jan. 21, 1941.

GOOSEY GANDER

FOR DEVELOPED MOTION PICTURE FILM.
Claims use since December, 1940.

Ser. No. 439,850. VIGITROL CORPORATION, New York, N. Y. Filed Jan. 21, 1941.

Vigitrol

FOR THERMOSTAT SWITCHES FOR HEATING PLANTS AND OTHER APPARATUS.
Claims use since Mar. 17, 1938.

Ser. No. 440,825. MEASUREMENT METHODS COMPANY, Chicago, Ill. Filed Feb. 20, 1941.

Percentagraph

FOR INSTRUMENTS FOR INDICATING THE RATE OF USE OF FUEL OIL FOR HEATING PURPOSES, AND TO DETERMINE THE RELATIONS BETWEEN QUANTITIES OF FUEL DELIVERED AND THE CUSTOMERS' RATE OF FUEL CONSUMPTION.
Claims use since Sept. 12, 1939.

Ser. No. 441,172. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Mar. 3, 1941.

National

FOR CASH REGISTERS, CREDIT REGISTERS, AUTOGRAPHIC REGISTERS, ACCOUNTING MACHINES, CALCULATING AND COMPUTING MACHINES; COMBINED TYPE-PRINTING AND CALCULATING MACHINES; REGISTERING DEVICES OF FLEXIBLE DESIGN HAVING ONE OR MORE POSSIBLE FUNCTIONS OF INDICATING, TICKET PRINTING, TICKET ISSUING, COMPUTING, CALCULATING, ACCOUNTING, DATA CLASSIFYING, TYPE PRINTING, AND DATA RECORDING; AND PARTS OF SAID MACHINES, REGISTERS, AND DEVICES; ALL OF WHICH MAY BE WITH OR WITHOUT INDICATING MECHANISM, TICKET PRINTING MECHANISM, TICKET ISSUING MECHANISM, CALCULATING MECHANISM, ACCOUNTING MECHANISM, DATA CLASSIFYING MECHANISM, TYPE PRINTING MECHANISM, REGISTERING MECHANISM, OR CASH DRAWERS.
Claims use since Feb. 11, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 440,626. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Feb. 13, 1941.

FASHION FIRST

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Feb. 7, 1941.

Ser. No. 440,660. WILLIAM A. MUNEY, Brooklyn, N. Y. Filed Feb. 14, 1941.

MILITARY

FOR WATCHES, WATCH CASES, AND WATCH PARTS.
Claims use since Jan. 23, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 440,520. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio. Filed Feb. 10, 1941.

FLEXITE

FOR TOOTHBRUSHES.
Claims use since Dec. 10, 1940.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 438,906. MAX P. H. SCHONFELD, Los Angeles, Calif. Filed Dec. 16, 1940.

KAOLENA

FOR TABLE AND COOKING CHINA AND PORCELAIN VASES, URNS, HAIR RECEIVERS, COSMETIC JARS, PERFUME BOTTLES, POWDER BOXES, AND SOAP DISHES.
Claims use since July 1, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 418,457. TOMLINSON OF HIGH POINT, High Point, N. C. Filed Apr. 19, 1939.

The Williamsburg Galleries
MODERN ADAPTATIONS by Tomlinson

Exclusive right to the use of the word "Williamsburg" alone is disclaimed. The phrase "Modern Adaptations by" is disclaimed apart from the showing in the mark.
FOR ARTICLES OF FURNITURE—NAMELY, BUFFETS, DINING TABLES, SERVING TABLES, CHINA CABINETS, CORNER CABINETS, MIRRORS, DINING CHAIRS, SOFAS, SHORT SOFAS, CLUB CHAIRS, WING CHAIRS, BARREL CHAIRS, OCCASIONAL CHAIRS, DESK CHAIRS, BENCHES, BEDS, DRESSERS, VANITIES, DRESSING TABLES, CHESTS, CHESTS ON CHESTS, NIGHT TABLES, BED ROOM CHAIRS, BED ROOM BENCHES, HIGHBOYS, LOWBOYS, SECRETARIES, DESKS, COFFEE TABLES, CARD TABLES, END TABLES, LAMP TABLES, PIER TABLES, TILT-TOP TABLES, DROP LEAF TABLES, CHAIRSIDE TABLES, BUTLERS TABLES, READING STANDS, ARM CHAIRS, WRITING TABLES, CONSOLE TABLES, STOOLS, LONG STOOLS, CUPBOARDS, BOOKCASES, COUCHES, DAY BEDS, FOLDING TABLES, SIDEBOARDS, CRADLES, SOFA TABLES, STANDS, WINDOW SEATS, BUREAUS, DRESSING SCREENS AND PANELS THEREFOR.
Claims use since Apr. 6, 1939.

Ser. No. 439,713. D. F. H. NOVELTY FURNITURE CO. INC., New York, N. Y. Filed Jan. 16, 1941.

DINE-A-MASTER

The word "Dine" is disclaimed apart from the mark.
FOR BREAKFAST FURNITURE CONSISTING OF A KITCHEN TABLE WITH IRON BOARD EXTENSION, AND KITCHEN CHAIRS AND DINETTE.
Claims use since Dec. 16, 1939.

Ser. No. 440,020. PARAMOUNT BEDDING CORPORATION, Norfolk, Va. Filed Jan. 27, 1941.

The Princess Anne

FOR MATTRESSES.
Claims use since Aug. 15, 1937.

Ser. No. 441,639. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 26, 1941.

Koyalon

FOR MATTRESSES OF FOAM RUBBER, BLOCKS OF FOAM RUBBER FOR FILLERS FOR FURNITURE CUSHIONS, AND MATTRESS FOUNDATIONS.
Claims use since Feb. 21, 1941.

CLASS 33

GLASSWARE

Ser. No. 432,642. KIMBLE GLASS COMPANY, Vineland, N. J. Filed June 4, 1940.

K

FOR GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMELY, BEAKERS, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS.
Claims use since April, 1920.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 428,123. JAS. P. MARSH CORPORATION, Chicago, Ill. Filed Feb. 1, 1940.

MONOVENT

FOR PRESSURE AND LIQUID LEVEL ACTUATED MULTIPLE AIR VENT UNITS AND CENTRAL MANUAL CONTROL UNITS FOR HOT WATER HEATING SYSTEMS.
Claims use since Dec. 29, 1939.

Ser. No. 435,785. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Filed Sept. 9, 1940.

Coleman
SUPER PERFORMANCE

The words "Super Performance" are disclaimed apart from the mark.
FOR FLUID BURNING GRAVITY FLOOR FURNACES FOR HOUSE HEATING.
Claims use since Aug. 13, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 440,623. THE B. F. GOODRICH COMPANY, Akron, Ohio. Filed Feb. 13, 1941.

BFG
1870

FOR PNEUMATIC TIRE CASINGS.
Claims use since Jan. 17, 1941.

CLASS 36

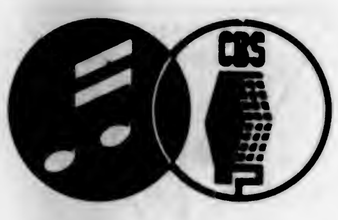
MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 434,630. COLUMBIA RECORDING CORPORATION, New York, N. Y. Filed Aug. 3, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938.

OKeh

FOR PHONOGRAPH NEEDLES.
Claims use since 1917.

Ser. No. 434,631. COLUMBIA RECORDING CORPORATION, New York, N. Y. Filed Aug. 3, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938.



FOR PHONOGRAPH NEEDLES.
Claims use since June 1, 1939.

Ser. No. 439,983. EPIPHONE, INC., New York, N. Y. Filed Jan. 25, 1941.

VARICHORD

FOR ELECTRIC GUITARS.
Claims use since Jan. 21, 1941.

Ser. No. 441,186. TAYLOR-FREEMAN-STANLEY, INCORPORATED, New York, N. Y. Filed Mar. 3, 1941.

"Stamanite"

FOR REEDS FOR MUSICAL INSTRUMENTS, AND HARMONICAS.
Claims use since Jan. 27, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 434,510. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed July 30, 1940.

KITCHENETTE

FOR NAPKINS, PLAIN, EMBOSSED AND COCKTAIL, TABLE COVERS, HOUSEHOLD TOWELS, WAXED PAPER, DRAWER LINING AND SHELF PAPER, AND LACE DOILIES.
Claims use on napkins and table covers, since on or about Oct. 1, 1937; on household towels, waxed paper, and drawer lining and shelf paper, since on or about Jan. 2, 1938; and on lace doilies, since on or about Nov. 1, 1939.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 435,180. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Aug. 20, 1940.



The drawing is lined for orange and pink. The word "Pittsburgh" is disclaimed apart from the mark.
FOR PERIODICAL PUBLICATION.
Claims use since July 1, 1940.

Ser. No. 439,186. AMERICAN COLORTYPE COMPANY, Chicago, Ill. Filed Dec. 26, 1940.

A-MERI-CARD

The word "Card" is disclaimed apart from the mark.
FOR GREETING CARDS, TALLIES, PLACE CARDS, VALENTINES, POST CARDS, DECORATIVE CARDS AND TAGS.
Claims use since Dec. 20, 1940.

Ser. No. 440,508. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Feb. 10, 1941.

The Enthusiast

FOR PRINTED PUBLICATION—VIZ., A MONTHLY MAGAZINE FOR MOTORCYCLISTS.
Claims use since February, 1938.

Ser. No. 440,752. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Feb. 18, 1941.

SHOPPING SCOUT

FOR COLUMN OR SECTION IN A MONTHLY MAGAZINE.
Claims use since Jan. 20, 1941.

Ser. No. 440,812. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Feb. 20, 1941.

WOW

FOR PERIODICAL PUBLICATION.
Claims use since Dec. 13, 1940.

CLASS 39

CLOTHING

Ser. No. 427,957. BESTFORM FOUNDATIONS, INC., New York, N. Y. Filed Jan. 29, 1940.

BESTFORM
THE FOUNDATION OF AMERICAN BEAUTY

The words "Bestform" and "American Beauty" are disclaimed apart from the mark.
FOR BRASSIÈRES AND FOUNDATION GARMENTS.
Claims use since May, 1939.

Ser. No. 429,164. TRUMAN BAILEY, New York, N. Y. Filed Mar. 4, 1940.

FIESTA DEL SOL FASHIONS

No claim is made to the exclusive use of the word "Fashions" apart from the mark.
FOR LADIES' AND MISSES' VESTS, SLIPS, NIGHTGOWNS, CHEMISES AND PAJAMAS.
Claims use since Jan. 15, 1940.

Ser. No. 437,836. ROSENZWEIG & PINCUS, INC., New York, N. Y. Filed Nov. 13, 1940.

KOOL-MASTER

The word "Kool" is disclaimed apart from the mark.
FOR MEN'S SUITS.
Claims use since Oct. 1, 1940.

Ser. No. 438,331. FRANCEVA, INC., New York, N. Y. Filed Nov. 29, 1940.

Franceva

FOR LADIES' CORSETS, CORSELETS, AND BRASSIÈRES.
Claims use since Apr. 4, 1921.

Ser. No. 438,792. CONGRESS SHIRT COMPANY, Boston, Mass. Filed Dec. 13, 1940.

VEESLEE

FOR SPORT COATS AND SPORT JACKETS.
Claims use since Nov. 18, 1940.

Ser. No. 439,029. NATHAN SHATZ, doing business as Nathan Shatz Sportswear Co., St. Louis, Mo. Filed Dec. 19, 1940.



The picture of the girl shown on the drawing is a fanciful one. The term "Snugtight" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' DRESSES, SKIRTS, JACKETS, SLACKS, AND BLOUSES.
Claims use since July 1, 1940.

Ser. No. 439,515. JULIUS KAYSER & CO., New York, N. Y. Filed Jan. 9, 1941.

KAY-NYTEES

No claim is made to the word "Nytees" apart from the mark.
FOR NIGHTGOWNS AND PAJAMAS.
Claims use since March, 1938.

Ser. No. 439,607. STERLING MILLS, Ilion, N. Y. Filed Jan. 11, 1941.

Roycliff

FOR MEN'S AND BOYS' KNITTED OUTER WEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS, JACKETS, AND SPORTS COATS.
Claims use since Dec. 26, 1940.

Ser. No. 439,643. WELLS LAMONT SMITH CORPORATION, Chicago, Ill. Filed Jan. 13, 1941.

MISSOURI MULE

The term "Missouri" is disclaimed apart from the mark.
FOR WORK GLOVES.
Claims use since May 20, 1932.

Ser. No. 440,083. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Jan. 29, 1941.

CUSHION STEP



The word "Cushion" and the picture of the shoe are disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES.
Claims use since Nov. 4, 1940.

Ser. No. 440,098. NORBERT NEUMANN, doing business as Loretta Hairnets, New York, N. Y. Filed Jan. 29, 1941.

LORETTA

FOR HAIRNETS.
Claims use since Oct. 15, 1940.

Ser. No. 440,299. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 4, 1941.

"The Isle of Safety"

No claim is made to the word "Safety" apart from the combination shown.
FOR HEELS AND LIFTS MADE OF RUBBER AND FIBER.
Claims use since June 19, 1940.

Ser. No. 440,305. IVAN ALPORT, New York, N. Y. Filed Feb. 5, 1941.



The words "Designed by," "Hats," and "New York" are disclaimed apart from the mark.
FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since March, 1927.

Ser. No. 440,330. MORRIS GILBERT COMPANY INC., New York, N. Y. Filed Feb. 5, 1941.



The word "De Luxe" is disclaimed apart from the mark.
FOR LADIES', MISSES', AND CHILDREN'S SUITS AND COATS.
Claims use since January, 1937.

Ser. No. 440,348. STORYK BROTHERS, INC., New York, N. Y. Filed Feb. 5, 1941.

PLIABACK

FOR MEN'S, WOMEN'S, MISSES', AND CHILDREN'S JACKETS, DRESSES, COATS, APRONS, SMOCKS, SHIRTS, AND BLOUSES.
Claims use since Jan. 23, 1940.

Ser. No. 440,387. SAMUEL SCHULMAN, New York, N. Y. Filed Feb. 6, 1941.



The words "Classics in Furs" are disclaimed apart from the mark.
FOR FUR AND FUR TRIMMED COATS AND JACKETS.
Claims use since February, 1934.

Ser. No. 440,474. AUGUST G. SEIS, JR., doing business as The Tewa Weaving Industry, Isleta, N. Mex. Filed Feb. 8, 1941.

TEWA

HAND WOVEN
by
INDIANS

No claim is made to the words "Hand Woven by Indians" apart from the mark.
FOR NECKTIES.
Claims use since September, 1938.

Ser. No. 440,563. PECK & PECK, New York, N. Y. Filed Feb. 11, 1941.



The outline of the flattened out carton per se is disclaimed.
FOR HOSIERY, SWEATERS, GLOVES OF LEATHER, AND/OR FABRIC, AND SCARVES FOR PERSONAL WEAR.
Claims use since Nov. 15, 1940.

Ser. No. 440,607. MARJORIE MONTGOMERY, INC., Los Angeles, Calif. Filed Feb. 12, 1941.

Zip-EZE

FOR WOMEN'S AND GIRLS' PLAY SUITS, CONSISTING OF BLOUSE AND ATTACHED SHORTS, WITH OR WITHOUT A SKIRT.
Claims use since Nov. 14, 1940.

Ser. No. 440,647. N. EDELSON SONS, New York, N. Y. Filed Feb. 14, 1941.

Miss Broadway

SLIPS

Applicant disclaims the words "Slips" apart from the mark.
FOR WOMEN'S AND MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, AND CHEMISES.
Claims use since Jan. 2, 1941.

Ser. No. 440,677. DAVID CRYSTAL INC., New York, N. Y. Filed Feb. 15, 1941.

Tropico

FOR LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF DRESS AND COAT.
Claims use since October, 1940.

Ser. No. 440,727. MCCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Feb. 17, 1941.

EXYLIN

FOR MEN'S, WOMEN'S, AND CHILDREN'S RAINCOATS AND RAINCAPES, RAIN SCARVES AND HATS; APRONS AND SMOCKS FOR CHEMISTS, HOSPITAL ATTENDANTS, AND OTHER TECHNICIANS; AND MAKE-UP, TONSORIAL, AND DENTAL CAPES.
Claims use since May 23, 1940.

Ser. No. 440,762. STETTHEIMER CO., San Francisco, Calif., and New York, N. Y. Filed Feb. 18, 1941.

WALSTED

FOR SPORT SHIRTS, SHORTS, GYM PANTS, TRUNKS, SWEATERS, SWEATER VESTS, PULLOVERS, SKI COATS, TENNIS COATS, HOSIERY, SLACKS, UNDERWEAR, BATHROBES, AND CAPES FOR MEN, WOMEN, AND BOYS.
Claims use since January, 1939.

Ser. No. 440,791. HENRY ROSE STORES, INC., New York, N. Y. Filed Feb. 19, 1941.

Glenrose

FOR HATS FOR WOMEN, MISSES, AND CHILDREN.
Claims use since Apr. 5, 1940.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 439,089. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed Dec. 23, 1940.

SILVALUME

FOR HAND KNITTING NEEDLES AND CROCHET HOOKS.
Claims use since Nov. 14, 1940.

Ser. No. 440,026. A. STEIN & COMPANY, Chicago, Ill. Filed Jan. 27, 1941.

Lady Grace

FOR DRESS SHIELDS.
Claims use since Jan. 8, 1941.

Ser. No. 440,028. A. STEIN & COMPANY, Chicago, Ill. Filed Jan. 27, 1941.

Per-fit

No claim is made to the word "fit" per se.
FOR DRESS SHIELDS AND SHOULDER STRAPS.
Claims use since Jan. 8, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 439,376. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 2, 1941.

Fleet Rib

The word "Rib" is disclaimed apart from the mark.
FOR CORDUROY IN THE PIECE AND TREATED TO MAKE THEM WATER REPELLANT.
Claims use since July 1, 1940.

Ser. No. 440,988. KEMP & BEATLEY, INC., New York, N. Y. Filed Feb. 25, 1941.

VICRAY

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, AND COMBINATIONS THEREOF, TABLECLOTHS, NAPKINS, AND KITCHEN TOWELS.
Claims use since Feb. 27, 1940.

Ser. No. 441,127. CHATHAM MANUFACTURING COMPANY, Elkin, N. C. Filed Mar. 1, 1941.

CHATHAM FOR BEDTIME COMFORT BLANKET

Applicant is the owner of Reg. No. 311,097 for "Chatham," effected under the 10-year proviso. No claim is made to the word "Blanket" apart from the mark.

FOR BLANKETS MADE OF WOOL, WOOL AND COTTON, WOOL AND RAYON, COTTON AND RAYON, OR COMBINATIONS OF WOOL AND COTTON, OR WOOL, COTTON, AND RAYON.

Claims use since Feb. 15, 1935.

Ser. No. 441,130. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Mar. 1, 1941.

La Rhumba

FOR PRINTED COTTON, RAYON, AND SILK FABRICS.

Claims use since Feb. 1, 1941.

Ser. No. 441,208. THE LA SALLE & KOCH CO., Toledo, Ohio. Filed Mar. 4, 1941.



FOR BED SPREADS AND BLANKETS.

Claims use since Feb. 24, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 439,211. FRED A. SLACK, JR., doing business as Tridox Laboratories, Bala, Pa. Filed Dec. 26, 1940.

Acrynamel

FOR MATERIALS FOR REPAIRING TEETH, PARTICULARLY FOR PLASTIC MATERIALS USED IN CONNECTION WITH AND FOR CROWNS, INLAYS, AND FACINGS, AND FOR REPAIRING AND MANUFACTURING ARTIFICIAL TEETH FOR BRIDGES AND DENTURES.

Claims use since Dec. 21, 1940.

Ser. No. 441,070. ACRALITE CO., INC., New York, N. Y. Filed Feb. 28, 1941.

ACRALAIN

FOR DENTAL SUPPLIES—NAMELY, CAST JACKETS, BRIDGE PONTICS, VENEER FACINGS, AND INLAYS.

Claims use since Jan. 16, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 422,162. WOODWARDS, INCORPORATED, Minneapolis, Minn. Filed July 31, 1939.

FIRST-UP

FOR PEANUT BUTTER.

Claims use since July 1, 1939.

Ser. No. 426,956. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Dec. 28, 1939.

RITZ

FOR BAKERY PRODUCTS—NAMELY, BISCUIT.

Claims use since Nov. 1, 1934.

Ser. No. 428,661. PANGBURN COMPANY, Fort Worth, Tex. Filed Feb. 17, 1940.

WINTER RICH

The word "Rich" is disclaimed apart from the mark.

FOR ICE CREAM.

Claims use since Nov. 1, 1939.

Ser. No. 428,685. DODWELL & COMPANY, LTD., New York, N. Y. Filed Feb. 19, 1940.

CORAL ISLE

FOR COCONUT.

Claims use since Feb. 12, 1940.

Ser. No. 436,120. THE FOULDS MILLING COMPANY, Libertyville, Ill. Filed Sept. 19, 1940. Under 10-year proviso.

FOULDS'

FOR MACARONI, SPAGHETTI, VERMICELLI, AND NOODLES.

Claims use since 1891.

Ser. No. 437,331. BALTIMORE MARKETS, INC., Philadelphia, Pa. Filed Oct. 28, 1940.

PANTRY PRIZE

FOR CANNED FOODS, SPECIFICALLY APPLESAUCE, APRICOTS, ASPARAGUS, BEANS WITH PORK, BEETS, COFFEE, EVAPORATED MILK, CORN, CUT GREEN BEANS, CUT WAX BEANS, FRUIT COCKTAIL, GRAPEFRUIT, LIMA BEANS, PEACHES, PEARS, SAUERKRAUT, SLICED PINEAPPLE, SPINACH, SWEET PEAS, AND TOMATOES.

Claims use since Sept. 21, 1940.

Ser. No. 438,230. CLOVER GOLD PACKERS, Waxahachie, Tex. Filed Nov. 25, 1940.

CLOVER GOLD

The word "Clover" is disclaimed apart from the mark.

FOR HONEY.

Claims use since July 30, 1940.

Ser. No. 438,544. KUNER EMPSON CO., Brighton, Colo. Filed Dec. 5, 1940.

SILVER DOLLAR

FOR CANNED BEANS IN CHILI GRAVY.

Claims use since July 25, 1940.

Ser. No. 438,766. HERSHEY CREAMERY COMPANY, Harrisburg, Pa. Filed Dec. 12, 1940.

Prontolac

FOR POWDERED WHOLE MILK.

Claims use since Dec. 2, 1940.

Ser. No. 438,926. FRENCH SARDINE CO., INC., Terminal Island, Calif. Filed Dec. 17, 1940.

STAYWELL

FOR CAT FOOD.

Claims use since Nov. 29, 1940.

Ser. No. 439,141. EAST COAST MILLING CORP., New York, N. Y. Filed Dec. 21, 1940.



FOR WHEAT FLOUR.

Claims use since January, 1936.

Ser. No. 439,329. BAK-KRAFT CORPORATION, LTD., Los Angeles, Calif. Filed Jan. 2, 1941.



Applicant is now legal owner of trade-mark registrations as follows: Nos. 347,204, June 15, 1937; 353,370 Jan. 4, 1938; 353,371, Jan. 4, 1938; 367,334, May 9 1939; 384,773, Feb. 4, 1941. No claim is made to the words "Barlee-Korn" and "White Bread" apart from the mark.

FOR BREAD.

Claims use since Nov. 16, 1940.

Ser. No. 439,345. INTERNATIONAL VITAMIN CORP., New York, N. Y. Filed Jan. 2, 1941.

I.V.C.

FOR FOOD INGREDIENTS CONTAINING VITAMINS FOR USE BY HUMANS, ANIMALS, AND BIRDS—NAMELY, A FEED CONSTITUENT FOR MIXING WITH CEREAL, CORN OR THE LIKE FEED FOR ANIMALS AND BIRDS, AND A FOOD CONSTITUENT FOR MIXING WITH OLEOMARGARINE, MALTED MILK AND THE LIKE PRODUCT FOR HUMAN CONSUMPTION.

Claims use since 1929.

Ser. No. 439,468. JOHN MORRELL & Co., Ottumwa, Iowa. Filed Jan. 7, 1941.

E-Z-SERVE

Applicant is owner of registration No. 356,791, May 10, 1938. No claim is made to the word "Serve" apart from the mark.
FOR CANNED MEAT LOAVES.
Claims use since Dec. 5, 1940.

Ser. No. 439,599. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Jan. 11, 1941.



The words "Scratch Feed" are disclaimed apart from the mark.
FOR SCRATCH FEED FOR POULTRY.
Claims use since March, 1940.

Ser. No. 440,037. JOHN W. BISHOP COMPANY, doing business as Bishop's Flour Mills, Martinsburg, W. Va. Filed Jan. 28, 1941.



The drawing is lined for shading only. No claim is made to the words "Best Flour" apart from the mark.
FOR BLENDED ALL-PURPOSE WHEAT FLOUR.
Claims use since June, 1938.

Ser. No. 440,196. FRUIT GROWERS CO-OPERATIVE, Sturgeon Bay, Wis. Filed Feb. 1, 1941.

Hi-Dee-Ho

FOR CANNED CHERRIES.
Claims use since Oct. 30, 1940

Ser. No. 440,197. FRUIT GROWERS CO-OPERATIVE, Sturgeon Bay, Wis. Filed Feb. 1, 1941.

Kon-Sin

FOR CANNED CHERRIES.
Claims use since Oct. 30, 1940.

Ser. No. 440,224. JOSEPH TETLEY & Co., INC., New York, N. Y. Filed Feb. 1, 1941.

TETLEY

JUMBO

Applicant is owner of registration No. 303,954 covering the name "Tetley" as registered under the 10-year proviso.
FOR TEA.
Claims use since July 15, 1940.

Ser. No. 440,260. OELERICH & BERRY COMPANY, Chicago, Ill. Filed Feb. 3, 1941.



BAREFOOT BOY

FOR FRUIT PRESERVES.
Claims use since May 22, 1940.

Ser. No. 440,302. MABEL M. GREEN, Van Nuys, Calif. Filed Feb. 4, 1941.

Orangettes

FOR CANDY.
Claims use since Nov. 6, 1940.

CLASS 47

WINES

Ser. No. 439,212. TRANSAMERICA WINE CORP., New York, N. Y. Filed Dec. 26, 1940.

Frecciadoro

FOR WINES.
Claims use since Oct. 22, 1940.

Ser. No. 440,756. ROMA WINE COMPANY, INC., Fresno, Calif. Filed Feb. 18, 1941.

CHARMAT

FOR WINES.
Claims use since Dec. 9, 1940.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 441,107. RAINIER BREWING COMPANY, San Francisco, Calif. Filed Feb. 28, 1941.



Applicant is owner of T. M. Reg. No. 315,574 under the 10-year proviso for the word "Rainier." The words "Half & Half" are disclaimed apart from the mark. The drawing is lined for red and silver.
FOR ALE AND PORTER.
Claims use since Nov. 7, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 437,054. BLOOMINGDALE BROS. INC., New York, N. Y. Filed Oct. 18, 1940.



The portrait is fanciful.
FOR WHISKEY.
Claims use since Nov. 17, 1938.

Ser. No. 437,599. LEIGH MOYLE, doing business as Leigh Moyle Liquor Stores, Whittier, Calif. Filed Nov. 5, 1940.



No claim is made to the word "Special" or to the representation of a label apart from the mark. The drawing is lined for red.
FOR WHISKEY.
Claims use since Aug. 23, 1940.

Ser. No. 438,631. GEO. G. SANDEMAN, SONS & Co., LIMITED, London, England. Filed Dec. 7, 1940.



No claim is made to the exclusive use of the words "Scotch Whisky" and "Edinburgh," or to the representation of a label per se; and without waiver of applicant's common law rights in the use of the words "The King of Whiskies" and the devices of ears of corn, the said words and devices are also disclaimed apart from the trade-mark as shown in the drawing.
FOR SCOTCH WHISKY.
Claims use since July 3, 1939.

Ser. No. 438,910. SUCRS. DE JOSÉ FERNÁNDEZ, S. EN C., San Juan, Puerto Rico. Filed Dec. 16, 1940.

Palo Rico

FOR RUM.
Claims use since Sept. 15, 1940.

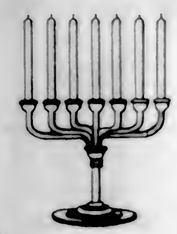
Ser. No. 439,076. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain. Filed Dec. 21, 1940.

CARDENAL CISNEROS

The mark consists of the title of a Spanish statesman and cardinal, who was twice regent of Spain.
FOR BRANDIES, COGNAC, ANISE, PUNCH, RUM, GIN, AND WHISKY.
Claims use since November, 1933.

Ser. No. 440,078. ALEXANDER YOUNG DISTILLING CO., Philadelphia, Pa. Filed Jan. 28, 1941.

SHOFAR



FOR BRANDY.
Claims use since Apr. 9, 1940.

Ser. No. 440,258. MID-VALLEY DISTILLING CORP., Archbald, Pa. Filed Feb. 3, 1941.

MID-VALLEY
RYE

No claim is made to the words "Trade Mark" and "Rye."
FOR WHISKEY.
Claims use since June 15, 1938.

Ser. No. 440,720. GREENBROS, INC., Cincinnati, Ohio. Filed Feb. 17, 1941.

du Parc

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS AND COCKTAILS.
Claims use since Jan. 4, 1941.

Ser. No. 441,028. MID-VALLEY DISTILLING CORPORATION, Archbald, Pa. Filed Feb. 26, 1941. Under 10-year proviso.

McHenry

TRADE McHENRY MARK

FOR WHISKEY.
Claims use since 1812.

Ser. No. 441,047. CALIFORNIA GROWERS WINERIES, Cutler, Calif. Filed Feb. 27, 1941.

Golden Bear

FOR BRANDY.
Claims use since June 22, 1940.

Ser. No. 441,304. BEN-BURK, INC., Boston, Mass. Filed Mar. 7, 1941.

"AMERICA'S SOCIAL-LIGHT WHISKEY"

No claim is made to the words "America's Whiskey" apart from the mark.
FOR BLENDED WHISKEY.
Claims use since Nov. 21, 1939.

Ser. No. 441,361. J. C. MILLETT CO., San Francisco, Calif. Filed Mar. 8, 1941.

OAKBROOK



FOR WHISKEY.
Claims use since Apr. 13, 1938.

Ser. No. 441,397. JOSEPH S. FINCH AND COMPANY, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind. Filed Mar. 10, 1941. Under 10-year proviso as to the name "Finch's."

FINCH'S

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since May 6, 1938.

Ser. No. 441,398. JOSEPH S. FINCH AND COMPANY, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind. Filed Mar. 10, 1941.



FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since May 12, 1939.

Ser. No. 441,464. ARROW DISTILLERIES, INC., Detroit, Mich. Filed Mar. 12, 1941.

RENOWN

FOR LIQUEURS, CORDIALS, BRANDIES, AND ROCK AND RYE.
Claims use since Mar. 6, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 439,791. ATHOL MANUFACTURING COMPANY, Athol, Mass. Filed Jan. 21, 1941.

COMPOUNDED WITH TEREKLEATHER REAL LEATHER

No claim is made to the words "Compounded With," "Leather," and "Real Leather" apart from the mark.
FOR LEATHER CLOTH AND MORE PARTICULARLY COMPOSED OF LEATHER FIBER AND OTHER FIBER, AS OF WOOD, COTTON, ETC.
Claims use since Jan. 15, 1941.

Ser. No. 440,447. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill. Filed Feb. 8, 1941.

DU·O·RITE

FOR ALUMINUM PLATE FOR PHOTOLINE AND DIRECT IMAGE WORK IN LITHOGRAPHY.
Claims use since Nov. 20, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 22, 1941

386,636. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS CONSISTING OF COATS, VESTS, PANTS, OVERCOATS. COHEN, GOLDMAN & CO., INC., New York, N. Y.
Filed August 1, 1935. Serial No. 367,892. PUBLISHED JUNE 2, 1936. Class 39.

386,637. MICROPHONES. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed April 16, 1937. Serial No. 391,436. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,638. PESSARIES. JULIUS SCHMID, INC., New York, N. Y.
Filed April 21, 1938. Serial No. 405,569. PUBLISHED FEBRUARY 11, 1941. Class 44.

386,639. COMIC STRIPS. GREYDON N. ALWORTH, Marion, Ohio.
Filed March 28, 1939. Serial No. 417,563. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,640. MOLASSES. COOPERATIVE G. L. F. PRODUCTS, INC., Buffalo, N. Y.
Filed April 19, 1939. Serial No. 418,432. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,641. LIVESTOCK AND POULTRY FEEDS. EXCELLO MILLS CO., St. Joseph, Mo.
Filed July 17, 1939. Serial No. 421,649. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,642. ELECTRICALLY OPERATED APPARATUS AND PARTS THEREOF—NAMELY, LIGHTING FIXTURES, FARM LIGHTING PLANTS AND PARTS THEREOF, ETC. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.
Filed August 7, 1939. Under act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 422,372. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,643. FICTION AND/OR STORY BOOKS. COLUMBIAN ART WORKS, INC., Milwaukee, Wis.
Filed August 14, 1939. Serial No. 422,576. PUBLISHED FEBRUARY 11, 1941. Class 38.

386,644. CHILDREN'S DRESSES, SIZES ONE TO SIX. JOSEPH LINSK, Philadelphia, Pa.
Filed September 9, 1939. Serial No. 423,469. PUBLISHED NOVEMBER 21, 1939. Class 39.

386,645. PERIODICAL PUBLICATION. PROVENCE-JARRARD COMPANY, Greenville, S. C.
Filed September 21, 1939. Serial No. 423,843. PUBLISHED FEBRUARY 11, 1941. Class 38.

386,646. LADIES' SILK HOSIERY, UNDERWEAR, PAJAMAS, BATHING SUITS, SWEATERS, AND POLO SHIRTS. RABINOWITZ, MIRSKY, AND RABINSKY, New York, N. Y.
Filed September 29, 1939. Serial No. 424,061. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,647. GASOLINE. H. N. GREIS, TRUSTEE FOR DEEP ROCK OIL CORPORATION, Tulsa, Okla.
Filed October 9, 1939. Serial No. 424,351. PUBLISHED FEBRUARY 4, 1941. Class 15.

386,648. GASOLINE. H. N. GREIS, TRUSTEE FOR DEEP ROCK OIL CORPORATION, Tulsa, Okla.
Filed October 9, 1939. Serial No. 424,352. PUBLISHED FEBRUARY 4, 1941. Class 15.

386,649. HYBRID SEED CORN. HARVEY MAASS, Seymour, Wis.
Filed October 10, 1939. Serial No. 424,399. PUBLISHED JANUARY 2, 1940. Class 1.

386,650. COMMINUTING MACHINES, SHREDDING MACHINES, MILLS, MIXING MACHINES, KNEADING MACHINES, PAN GRINDER, ETC. GEBRÜDER EIRICH, Hardheim/Nordbaden, Germany.
Filed October 17, 1939. Serial No. 424,701. PUBLISHED FEBRUARY 11, 1941. Class 23.

386,651. MEN'S AND BOYS' SUITS, COATS, VESTS, PANTS, OVERCOATS AND TOPCOATS. J. FRIEDMAN & CO., INC., New York, N. Y.
Filed November 4, 1939. Serial No. 425,236. PUBLISHED JANUARY 28, 1941. Class 39.

386,652. SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed November 6, 1939. Serial No. 425,280. PUBLISHED FEBRUARY 11, 1941. Class 23.

386,653. CALCINED GYPSUM PLASTER FOR OIL WELL DRILLING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed November 16, 1939. Serial No. 425,715. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,654. MOUNTINGS FOR PRECIOUS AND SEMI-PRECIOUS STONES. GRANAT BROS., San Francisco, Calif.
Filed November 28, 1939. Serial No. 426,025. PUBLISHED FEBRUARY 4, 1941. Class 28.

386,655. ACCOUNTING FORMS, INVOICES, PURCHASE ORDERS, SALES RECORDS, SHOP RECORDS AND VOUCHERS. THE SNAPOUT FORMS COMPANY, Chardon, Ohio.
Filed December 18, 1939. Serial No. 426,712. PUBLISHED JANUARY 28, 1941. Class 37.

386,656. WAXED PAPER, TRANSPARENT PAPER AND WRAPPING PAPER. NEWARK PARAFFINE & PARCHMENT PAPER CO., Newark, N. J.
Filed January 3, 1940. Serial No. 427,113. PUBLISHED JANUARY 28, 1941. Class 37.

386,657. CAMERAS AND PARTS THEREOF, MORE SPECIFICALLY A DEVICE USED TO INDICATE THE TIME ACTION OF THE SHUTTER, ETC. THE KALART COMPANY INC., New York, N. Y.
Filed January 11, 1940. Serial No. 427,345. PUBLISHED JANUARY 14, 1941. Class 26.

386,658. GENUINE LEATHER FOR SOLES OF SHOES. J. GREENEBAUM TANNING COMPANY, Chicago, Ill.
Filed February 26, 1940. Serial No. 428,912. PUBLISHED FEBRUARY 4, 1941. Class 1.

386,659. SEEDS, BULBS, AND SEEDLINGS. WALTER L. SHIRLEY, Indianapolis, Ind.
Filed March 1, 1940. Serial No. 429,106. PUBLISHED FEBRUARY 4, 1941. Class 1.

386,660. PAPER SOLD IN ROLL OR SHEET FORM SUITABLE FOR USE AS WRAPPING PAPER OR IN THE MANUFACTURE OF BAGS. SOUTHERN KRAFT CORPORATION, New York, N. Y.
Filed March 26, 1940. Serial No. 429,998. PUBLISHED JANUARY 28, 1941. Class 37.

386,661. TRAVELING ROBE, BATH ROBE, AND BEACH ROBE. ROYAL ROBES, INC., New York, N. Y.
Filed April 2, 1940. Serial No. 430,290. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,662. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. KENSINGTON HATS, INC., Philadelphia, Pa.
Filed April 11, 1940. Serial No. 430,655. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,663. MAGAZINE PUBLISHED SEMIANNUALLY. SCHENLEY INTERNATIONAL CORPORATION, New York, N. Y.
Filed April 22, 1940. Serial No. 431,083. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,664. PREFABRICATED STEEL UNITS FOR ASSEMBLAGE INTO UNITARY STRUCTURES. TENNESSEE COAL, IRON AND RAILROAD COMPANY, Birmingham, Ala.
Filed April 24, 1940. Serial No. 431,178. PUBLISHED FEBRUARY 11, 1941. Class 12.

386,665. WHISKEY. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y.
Filed May 14, 1940. Serial No. 431,919. PUBLISHED AUGUST 27, 1940. Class 49.

386,666. MEN'S AND BOYS' PANTS, OUTER SHIRTS, JACKETS, AND COATS. THOMSON COMPANY, Thomson, Ga.
Filed May 27, 1940. Serial No. 432,416. PUBLISHED DECEMBER 3, 1940. Class 39.

386,667. MEN'S AND BOYS' OVERCOATS, COATS AND SUITS, AND WOMEN'S, GIRLS' AND CHILDREN'S CLOAKS, SUITS, COATS, AND CAPES, ALL MADE OF TEXTILE FABRICS. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed June 4, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 432,634. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,668. MEN'S SUITS, TOPCOATS, AND OVERCOATS. HICKEY FREEMAN COMPANY, Rochester, N. Y.
Filed June 5, 1940. Serial No. 432,689. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,669. HARDWARE AND PLUMBING MATERIALS—I. E., METAL PIPE FITTINGS, STRAINERS, HYDRAULIC VALVES AND PARTS THEREOF, ETC. THE TRENTON BRASS AND MACHINE COMPANY, Trenton, N. J.
Filed June 25, 1940. Serial No. 433,366. PUBLISHED FEBRUARY 11, 1941. Class 13.

386,670. CANDY. D. GOLDENBERG, INC., Philadelphia, Pa.
Filed July 17, 1940. Serial No. 434,064. PUBLISHED SEPTEMBER 24, 1940. Class 46.

386,671. COMPOSITION CORK SHEETS. COYNE AND PADDOCK, INC., Long Island City, N. Y.
Filed July 19, 1940. Serial No. 434,141. PUBLISHED OCTOBER 15, 1940. Class 50.

386,672. COMPOSITION CORK SHEETS. COYNE AND PADDOCK, INC., Long Island City, N. Y.
Filed July 19, 1940. Serial No. 434,142. PUBLISHED OCTOBER 15, 1940. Class 50.

386,673. HOSIERY. JOLIBAR HOSIERY CO., Boston, Mass.
Filed July 30, 1940. Serial No. 434,494. PUBLISHED JANUARY 28, 1941. Class 39.

386,674. HONEY. ROLAND A. LABINE, doing business as Hampden Honey Co., Springfield, Mass., assignor to Horn & Hardart Baking Company, Philadelphia, Pa., a corporation of New Jersey.
Filed August 1, 1940. Serial No. 434,563. PUBLISHED OCTOBER 1, 1940. Class 46.

386,675. ELECTRIC FANS. SEYMOUR JAMES STEWART, doing business as Wind-way Fan & Ventilator Company, New Orleans, La.
Filed August 1, 1940. Serial No. 434,582. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,676. MEN'S AND STUDENTS' SUITS AND TOP COATS. BELK STORES, Charlotte, N. C.
Filed August 3, 1940. Serial No. 434,623. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,677. CELLULOSE PATCHING MATERIAL. CHARLES H. BARLISH, Los Angeles, Calif.
Filed August 8, 1940. Serial No. 434,772. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,678. WOMEN'S COATS AND SUITS. H. A. LEON & COMPANY LIMITED, Richmond, England.
Filed August 13, 1940. Serial No. 434,937. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,679. HAND-WOVEN NECKTIES. CHIEF WEAVERS, INC., Albuquerque, N. Mex.
Filed August 17, 1940. Serial No. 435,080. PUBLISHED OCTOBER 22, 1940. Class 39.

386,680. CANNED FISH—NAMELY, CANNED SARDINES. RED ROCK FISHERIES, INC., Richmond and San Francisco, Calif.
Filed August 23, 1940. Serial No. 435,314. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,681. SPONGE RUBBER IN SHEET AND STRIP FORM. BROWN RUBBER COMPANY, INC., La Fayette, Ind.
Filed September 4, 1940. Serial No. 435,640. PUBLISHED FEBRUARY 11, 1941. Class 1.

386,682. COTTON, MOHAIR, WOOLEN, AND WORSTED FABRICS. DAVID MCCOSKER, INC., New York, N. Y.
Filed September 9, 1940. Serial No. 435,803. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,683. FRICTION ELIMINATOR WHICH IS A COMPOSITION TO REDUCE FRICTION IN THE FORM OF A PASTE-LIKE JELLY. SLIPIT MANUFACTURING CO., College Point, Long Island, N. Y.
Filed September 10, 1940. Serial No. 435,860. PUBLISHED FEBRUARY 4, 1941. Class 15.

386,684. PNEUMATIC TIRES, AND PARTICULARLY FOR RECAPPED AND RETREADED PNEUMATIC TIRES SOLD TO THE TRADE AS SUCH. ALBERT P. ROSE, doing business as Modern Retreaders, Nashville, Tenn.
Filed September 11, 1940. Serial No. 435,881. PUBLISHED FEBRUARY 11, 1941. Class 35.

386,685. WOMEN'S WASHABLE SERVICE UNIFORMS FOR HOME AND INDUSTRIAL USE. HERMAN SALZMAN, doing business as Viking Apparel Manufacturing Company, Chicago, Ill.
Filed September 16, 1940. Serial No. 436,036. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,686. ELECTRIC RECEPTACLES. CAPITOL LAMP WORKS, Washington, D. C.
Filed September 23, 1940. Serial No. 436,245. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,687. FRESH LETTUCE. DENNEY R. HOGUE, Nampa, Idaho.
Filed September 23, 1940. Serial No. 436,265. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,688. FRESH VEGETABLES, PARTICULARLY ASPARAGUS. YAKIMA FRUIT GROWERS ASSOCIATION, Yakima, Wash.
Filed September 23, 1940. Serial No. 436,296. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,689. CORSETS, CORSELETS, AND GIRDLES. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y.
Filed September 24, 1940. Serial No. 436,310. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,690. SURGICAL INSTRUMENTS, DENTAL INSTRUMENTS, VETERINARY INSTRUMENTS, DIAGNOSTIC INSTRUMENTS, CHIROPODIC INSTRUMENTS, NONMEDICATED PLASTERS AND SUTURES. MINERVA INSTRUMENT CORPORATION, New York, N. Y.
Filed September 24, 1940. Serial No. 436,318. PUBLISHED FEBRUARY 11, 1941. Class 44.

386,691. LADIES', MISSES', AND GIRLS' BLOUSES AND DRESSES. MITCHELL & WEBER, INC., New York, N. Y.
Filed September 27, 1940. Serial No. 436,433. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,692. ROCK WOOL INSULATING BLOCKS. BALDWIN-HILL COMPANY, Trenton, N. J.
Filed October 2, 1940. Serial No. 436,560. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,693. PIPE TOBACCO. WESTMINSTER TOBACCO CORPORATION, New York, N. Y.
Filed October 2, 1940. Serial No. 436,589. PUBLISHED FEBRUARY 4, 1941. Class 17.

386,694. TRUSSES FOR HERNIA. THE DOBBS TRUSS COMPANY, INC., Birmingham, Ala.
Filed October 3, 1940. Serial No. 436,597. PUBLISHED FEBRUARY 11, 1941. Class 44.

386,695. PLANT FOOD. PROTECTOSEAL COMPANY OF AMERICA, INC., doing business as Multi Products Co., Chicago, Ill.
Filed October 3, 1940. Serial No. 436,630. PUBLISHED FEBRUARY 11, 1941. Class 10.

386,696. SEVERAL TYPES OF TOBACCOS IN SEPARATE CONTAINERS AND SOLD AS A UNIT TO ENABLE THE USER TO BLEND HIS OWN SMOKING TOBACCO MIXTURE. JOHN MIDDLETON, INC., Philadelphia, Pa.
Filed October 4, 1940. Serial No. 436,655. PUBLISHED FEBRUARY 4, 1941. Class 17.

386,697. COFFEE. TEXARKANA COFFEE COMPANY, Texarkana, Tex.
Filed October 9, 1940. Serial No. 436,782. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,698. PREPARED ASPHALT ROOFING IN ROLL AND SHINGLE FORM. DIXIE ASPHALT PRODUCTS CORPORATION, Chatham County, Ga.
Filed October 11, 1940. Serial No. 436,839. PUBLISHED FEBRUARY 11, 1941. Class 12.

386,699. RIBBON BOWS. MEISELS & NORMAN, New York, N. Y.
Filed October 12, 1940. Serial No. 436,900. PUBLISHED FEBRUARY 11, 1941. Class 40.

386,700. RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR AUTOMOBILE VEHICLE WHEELS. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed October 15, 1940. Serial No. 436,979. PUBLISHED FEBRUARY 11, 1941. Class 35.

386,701. MEN'S AND BOYS' FLEECE UNIONSUITS, MEN'S FLEECE SHIRTS, MEN'S AND BOYS' RIBBED UNIONSUITS, MEN'S AND BOYS' BALBRIGGAN UNIONSUITS, MEN'S AND BOYS' BALBRIGGAN SHIRTS. ONEITA KNITTING MILLS, Utica, N. Y.
Filed October 16, 1940. Serial No. 437,012. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,702. PERIODICAL COMPRISING BOOK REVIEWS. JEAN POINDEXTER COLBY, Boston, Mass.
Filed October 17, 1940. Serial No. 437,028. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,703. WATERPROOF FABRICS CONTAINING NO RUBBER OF ANY KIND. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 18, 1940. Serial No. 437,062. PUBLISHED JANUARY 28, 1941. Class 50.

386,704. MULTIPLE GLASS SHEET GLAZING UNITS FOR BUILDINGS, DISPLAY WINDOWS, DISPLAY CASES, AND THE LIKE. LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio.
Filed October 19, 1940. Serial No. 437,095. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,705. MOTOR LUBRICATING OIL. CURRIE B. WITT, INC., Charlotte, N. C.
Filed October 21, 1940. Serial No. 437,151. PUBLISHED JANUARY 28, 1941. Class 15.

386,706. WALL PAPER SAMPLE BOOKS AND FOR WALL PAPERS. ISOO WALL PAPER CORPORATION, Chicago, Ill.
Filed October 23, 1940. Serial No. 437,200. PUBLISHED JANUARY 28, 1941. Class 37.

386,707. ARTICLES OF PERSONAL APPAREL—NAMELY, CHILDREN'S AND LADIES' RAYON UNDERWEAR, CHILDREN'S COTTON SLIPS, LADIES' SLIPS; LADIES' NIGHTWEAR—NAMELY, PAJAMAS, NIGHTGOWNS, BED JACKETS, AND BATH ROBES; BOYS' KNICKERS AND LONG PANTS, MEN'S AND BOYS' ATHLETIC SHORTS, MEN'S WORK AND DRESS SHIRTS. G. C. MURPHY COMPANY, McKeesport, Pa.
Filed October 23, 1940. Serial No. 437,212. PUBLISHED JANUARY 28, 1941. Class 39.

386,708. ARTICLES OF PERSONAL APPAREL—NAMELY, CHILDREN'S AND LADIES' RAYON UNDERWEAR, CHILDREN'S COTTON SLIPS, LADIES' SLIPS; LADIES' NIGHTWEAR—NAMELY, PAJAMAS, NIGHTGOWNS, BED JACKETS, AND BATH ROBES; BOYS' KNICKERS AND LONG PANTS, MEN'S AND BOYS' ATHLETIC SHORTS, MEN'S WORK AND DRESS SHIRTS. G. C. MURPHY COMPANY, McKeesport, Pa.
Filed October 23, 1940. Serial No. 437,213. PUBLISHED JANUARY 28, 1941. Class 39.

386,709. IDENTIFICATION PLATE. ED. SCHUSTER & CO., INC., Milwaukee, Wis.
Filed October 24, 1940. Serial No. 437,254. PUBLISHED FEBRUARY 4, 1941. Class 50.

386,710. CARD INDEXES AND FOLDERS. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y.
Filed October 25, 1940. Serial No. 437,295. PUBLISHED FEBRUARY 4, 1941. Class 37.

386,711. WATERPROOF COATS, RAINCOATS, AND JACKETS, AND OVERCOATS WITH ZIPPER-FASTENED DETACHABLE LININGS FOR THE USE OF MEN, WOMEN, AND CHILDREN. MARTIN'S, Brooklyn, N. Y.
Filed October 26, 1940. Serial No. 437,316. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,712. PICTURE PROJECTORS USED IN PROJECTING THIRD DIMENSION PICTURES. ADVERTISING DISPLAYS INC., Covington, Ky.
Filed October 30, 1940. Serial No. 437,398. PUBLISHED FEBRUARY 11, 1941. Class 26.

386,713. LEASHES FOR DOMESTIC ANIMALS AND CHILDREN. INVENTORS PRODUCTS CORP., Chicago, Ill.
Filed October 30, 1940. Serial No. 437,411. PUBLISHED FEBRUARY 11, 1941. Class 3.

386,714. SUGARLESS FOODS FOR HEALTH PURPOSES—SPECIFICALLY CANDIES. ERIKA SCHNEIDER, New York, N. Y.
Filed October 30, 1940. Serial No. 437,420. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,715. WOMEN'S DRESSES. FRIEDMAN DRESS CO., INC., New York, N. Y.
Filed November 1, 1940. Serial No. 437,468. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,716. PREPARED FOODS—NAMELY, STEAKS, CHOPS, OYSTERS, SANDWICHES, AND COFFEE. JAMES A. SNIPES, doing business as Goo-Goo Lunch Room, Columbus, Ga.
Filed November 1, 1940. Serial No. 437,485. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,717. WOVEN, NETTED AND KNITTED FABRICS IN THE PIECE AND MADE OF SILK, COTTON, WOOL, RAYON, ACETATE, AND MIXTURES THEREOF. CLARENCE S. BROWN & CO., INC., New York, N. Y.
Filed November 2, 1940. Serial No. 437,501. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,718. BOYS' SHIRTS AND PAJAMAS. EVERY BUDDY'S BLOUSE CO., New York, N. Y.
Filed November 2, 1940. Serial No. 437,505. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,719. LADIES' COATS, JACKETS, DRESSES, OUTER SKIRTS, BLOUSES, SHIRTS, SWEATERS, SLACKS, OUTER SHORTS, AND HATS. MORRIS NAGEL, doing business as Sportswear, Ltd., Los Angeles, Calif.
Filed November 2, 1940. Serial No. 437,523. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,720. PERIODICAL. PIONEER PUBLISHING COMPANY, Oak Park, Ill.
Filed November 2, 1940. Serial No. 437,528. PUBLISHED FEBRUARY 11, 1941. Class 38.

386,721. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed November 2, 1940. Serial No. 437,539. PUBLISHED FEBRUARY 11, 1941. Class 38.

386,722. CANNED FRUITS AND VEGETABLES, CANNED APPLE SAUCE, CANNED FRUITS FOR SALAD, CANNED FRUIT COCKTAIL, ETC. THE CHICAGO DIETETIC SUPPLY HOUSE, INC., Chicago, Ill.
Filed November 4, 1940. Serial No. 437,553. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,723. BROOMS, MOPS, AND DUSTERS. LEADWAY STORES CORPORATION, also doing business as Leadway Foods, Chicago, Ill.
Filed November 4, 1940. Serial No. 437,563. PUBLISHED FEBRUARY 11, 1941. Class 29.

386,724. MEN'S AND BOYS' ENSEMBLES COMPRISING SHIRTS AND TROUSERS. THOMSON COMPANY, Thomson, Ga.
Filed November 5, 1940. Serial No. 437,605. PUBLISHED JANUARY 28, 1941. Class 39.

386,725. OUTER SHIRTS. H & L BLOCK, LTD., San Francisco, Calif.
Filed November 6, 1940. Serial No. 437,612. PUBLISHED JANUARY 28, 1941. Class 39.

386,726. SANDWICHES. WILLIAM SAVAGE BRAITHWAITE, Virginia Beach, Va.
Filed November 6, 1940. Serial No. 437,613. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,727. SETTEES, SETTEE END PANELS, SETTEE END PANEL MOUNTED GLASS RACKS, SETTEE END PANEL MOUNTED SERVICE SHELVES FOR BOWLERS, ETC. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed November 6, 1940. Serial No. 437,614. PUBLISHED FEBRUARY 11, 1941. Class 32.

386,728. EQUIPMENT FOR COOLING AND DISPENSING DRAFT BEER—NAMELY, COOLING CABINETS AND PARTS THEREOF. THE KROMER-NIERMAN CO., Cleveland, Ohio.
Filed November 6, 1940. Serial No. 437,624. PUBLISHED FEBRUARY 11, 1941. Class 31.

386,729. ARTIFICIAL PLASTIC MATERIALS OF CELLULOSE ESTERS AND THE LIKE IN THE FORM OF SHEETS, RODS, TUBES, PLATES, AND PRE-FORMS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed November 6, 1940. Serial No. 437,628. PUBLISHED JANUARY 28, 1941. Class 1.

386,730. SERIES OF CARTOONS PUBLISHED IN NEWSPAPERS AND OTHER PUBLICATIONS. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa.
Filed November 6, 1940. Serial No. 437,629. PUBLISHED FEBRUARY 11, 1941. Class 38.

386,731. SO-CALLED TRANSPARENT TRACING SHEETS FOR DRAFTING. THE FREDERICK POST COMPANY, Chicago, Ill.
Filed November 7, 1940. Serial No. 437,667. PUBLISHED JANUARY 28, 1941. Class 37.

386,732. CLEANSING TISSUES. INTERNATIONAL TISSUE CORP., New York, N. Y., now by change of name Tissue Products Corporation, a corporation of New York, assignor to International Tissue Corp., New York, N. Y., a corporation of New York.
Filed November 8, 1940. Serial No. 437,684. PUBLISHED FEBRUARY 4, 1941. Class 37.

386,733. ELECTRICAL CORD SETS FOR TURNING ON AND OFF HOUSEHOLD APPLIANCES AT A POINT REMOTE FROM THE APPLIANCES. HUGH MCDOWELL, Los Angeles, Calif.
Filed November 8, 1940. Serial No. 437,689. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,734. MEN'S SUITS, HATS, AND COATS; LADIES' DRESSES, HATS, COATS, AND BOYS' AND GIRLS' COATS, SUITS, HATS, SWEATERS, AND JACKETS, AND SHOES MADE OF LEATHER, FABRIC, AND RUBBER OR OF COMBINATIONS OF SAID MATERIALS. ROSENBLUM'S, INC., Cleveland, Ohio.
Filed November 8, 1940. Serial No. 437,697. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,735. WRAPPING PAPER. SOUTHERN KRAFT CORPORATION, New York, N. Y.
Filed November 8, 1940. Serial No. 437,701. PUBLISHED FEBRUARY 4, 1941. Class 37.

386,736. TERMITE SHIELDS. TIMBER ENGINEERING COMPANY, Washington, D. C.
Filed November 8, 1940. Serial No. 437,703. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,737. CARPETS AND RUGS. D. N. & E. WALTER & CO., San Francisco, Calif.
Filed November 8, 1940. Serial No. 437,707. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,738. EDUCATIONAL CARD GAME FOR USE IN INSTRUCTION AND TRAINING IN FLAG SIGNALLING CODES. RUSSELL E. WOOD, Cleveland Heights, Ohio.
Filed November 8, 1940. Serial No. 437,709. PUBLISHED FEBRUARY 11, 1941. Class 22.

386,739. BROOMS. THE DESHLER BROOM FACTORY, Deshler, Nebr.
Filed November 9, 1940. Serial No. 437,717. PUBLISHED JANUARY 28, 1941. Class 29.

386,740. BROOMS AND WHISK BROOMS. THE DESHLER BROOM FACTORY, Deshler, Nebr.
Filed November 9, 1940. Serial No. 437,718. PUBLISHED FEBRUARY 11, 1941. Class 29.

386,741. BROOMS. THE DESHLER BROOM FACTORY, Deshler, Nebr.
Filed November 9, 1940. Serial No. 437,719. PUBLISHED JANUARY 28, 1941. Class 29.

386,742. VEGETABLE SALAD AND COOKING OILS, MACARONI, AND TOMATO PASTE. GEORGE SIROTA & COMPANY, INC., New York, N. Y.
Filed November 9, 1940. Serial No. 437,742. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,743. LADIES' AND MISSES' DRESSES, BLOUSES, OUTERSKIRTS, JACKETS, COATS, AND SUITS. BERNARD APPEL, INC., Boston, Mass., and New York, N. Y.
Filed November 12, 1940. Serial No. 437,752. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,744. TOILET PAPER, WAXED PAPER, CLEANSING TISSUE, PAPER TOWELS, PAPER NAPKINS, PAPER DOILIES, WRITING PAPER, SHELF PAPER, AND ENVELOPES. BADGER PAPER COMPANY, Los Angeles, Calif.
Filed November 12, 1940. Serial No. 437,753. PUBLISHED FEBRUARY 11, 1941. Class 37.

386,745. PLASTIC BUTTONS. MAX EMSIG, doing business as Emsig Manufacturing Co., New York, N. Y.
Filed November 12, 1940. Serial No. 437,763. PUBLISHED FEBRUARY 4, 1941. Class 40.

386,746. BRANDY. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed November 12, 1940. Serial No. 437,772. PUBLISHED FEBRUARY 11, 1941. Class 49.

386,747. READY CUT LOGS FOR BUILDINGS. PIONEER LOG CABIN COMPANY, INC., Pontiac, Mich.
Filed November 12, 1940. Serial No. 437,783. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,748. WHISKEY. POPPER-MORSON CO., INC., Jersey City, N. J.
Filed November 12, 1940. Serial No. 437,784. PUBLISHED FEBRUARY 11, 1941. Class 49.

386,749. SALAD OIL. STANCO INCORPORATED, New York, N. Y.
Filed November 12, 1940. Serial No. 437,787. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,750. WAFERS IN THE NATURE OF CRACKERS OR THE LIKE HAVING SUPPLEMENTARY VITAMINS THEREIN. CEREVIM PRODUCTS CORPORATION, New York, N. Y.
Filed November 14, 1940. Serial No. 437,855. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,751. LADIES' AND MISSES' COATS, SUITS, AND DRESSES. SAMUEL KATZ-RALPH LEIBOWITZ, INC., New York, N. Y.
Filed November 14, 1940. Serial No. 437,869. PUBLISHED JANUARY 28, 1941. Class 39.

386,752. BEER, ALE, AND OTHER MALT BEVERAGES. LATROBE BREWING COMPANY, Latrobe, Pa.
Filed November 14, 1940. Serial No. 437,871. PUBLISHED FEBRUARY 11, 1941. Class 48.

386,753. BAKING ENAMEL—NAMELY, A PAINT ENAMEL. ROXALIN FLEXIBLE LACQUER COMPANY, INCORPORATED, Elizabeth, N. J.
Filed November 14, 1940. Serial No. 437,883. PUBLISHED FEBRUARY 11, 1941. Class 16.

386,754. SILVERWARE—NAMELY, HOLLOW WARE AND FLATWARE; GOLD AND SILVER PLATED WARE—NAMELY, CAKE BASKETS, CAKE TRAYS, RELISH DISHES, ETC. WEIDLICH STERLING SPOON CO., Bridgeport, Conn.
Filed November 14, 1940. Serial No. 437,888. PUBLISHED FEBRUARY 4, 1941. Class 28.

386,755. LEATHER. PFISTER & VOGEL TANNING CO., Milwaukee, Wis.
Filed November 15, 1940. Serial No. 437,908. PUBLISHED FEBRUARY 4, 1941. Class 1.

386,756. CATTLE SIDE UPPER LEATHER. PFISTER & VOGEL TANNING CO., Milwaukee, Wis.
Filed November 15, 1940. Serial No. 437,909. PUBLISHED FEBRUARY 4, 1941. Class 1.

386,757. LEATHER. PFISTER & VOGEL TANNING CO., Milwaukee, Wis.
Filed November 15, 1940. Serial No. 437,910. PUBLISHED FEBRUARY 4, 1941. Class 1.

386,758. LEATHER. PFISTER & VOGEL TANNING CO., Milwaukee, Wis.
Filed November 15, 1940. Serial No. 437,912. PUBLISHED FEBRUARY 4, 1941. Class 1.

386,759. SENSITIZED PHOTOGRAPHIC FILM IN ROLL AND OTHER FORMS. PLEE-ZINO, INC., Chicago, Ill.
Filed November 15, 1940. Serial No. 437,913. PUBLISHED FEBRUARY 11, 1941. Class 26.

386,760. ELECTRIC RANGES AND PARTS THEREFOR. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed November 15, 1940. Serial No. 437,919. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,761. WOMEN'S AND MISSES' SWEATERS. BROOKLYN KNIT SPORTSWEAR CO., INC., New York, N. Y.
Filed November 16, 1940. Serial No. 437,935. PUBLISHED JANUARY 28, 1941. Class 39.

386,762. LADIES' AND MISSES' COATS, SUITS, AND COAT AND SUIT COMBINATIONS. GORDON V. LYONS, INC., New York, N. Y.
Filed November 16, 1940. Serial No. 437,952. PUBLISHED JANUARY 28, 1941. Class 39.

386,763. TELEPHONE AND MEMORANDA INDEXES. REMINGTON RAND INC., Buffalo, N. Y.
Filed November 16, 1940. Serial No. 437,970. PUBLISHED FEBRUARY 4, 1941. Class 37.

386,764. WOMEN'S AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. ROSENTHAL & DOUCETTE, INC., Beverly, Mass., and New York, N. Y.
Filed November 16, 1940. Serial No. 437,971. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,765. MEN'S AND BOYS' WEARING APPAREL—NAMELY, OVERCOATS, HATS, DRESS, NEGLIGEE, AND SPORT SHIRTS, NECKTIES, SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, UNDERWEAR, HOSIERY, SWEATERS, PAJAMAS, MUFFLERS, SCARFS, AND SUITS. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed November 18, 1940. Serial No. 437,987. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,766. KERCHIEFS AND HANDKERCHIEFS. PETER BOUTROSS, doing business as Queen Lace Co., New York, N. Y.
Filed November 18, 1940. Serial No. 437,988. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,767. SKIS, SKI POLES, SKI BINDINGS, SKI EDGES, ICE SKATES, TOBOGGANS, TOY SLEDS. FREDERIC J. DORMER, New York, N. Y.
Filed November 18, 1940. Serial No. 437,998. PUBLISHED FEBRUARY 11, 1941. Class 22.

386,768. LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF DRESS AND JACKET, AND COATS. ALEXANDER S. GROSS & CO. INC., New York, N. Y.
Filed November 18, 1940. Serial No. 438,006. PUBLISHED JANUARY 28, 1941. Class 39.

386,769. MEN'S DRESS, NEGLIGEE, AND SPORT SHIRTS. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed November 18, 1940. Serial No. 438,008. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,770. HOSIERY. RICHMOND HOSIERY MILLS, Rossville, Ga.
Filed November 18, 1940. Serial No. 438,018. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,771. CIGARS. WEBSTER-EISENLOHR INC., New York, N. Y.
Filed November 18, 1940. Serial No. 438,030. PUBLISHED FEBRUARY 11, 1941. Class 17.

386,772. CHEESE. TOLIBIA CHEESE CORPORATION, New York, N. Y.
Filed November 19, 1940. Serial No. 438,056. PUBLISHED FEBRUARY 11, 1941. Class 46.

386,773. VEHICLE WINDOW OPERATORS. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed November 19, 1940. Serial No. 438,057. PUBLISHED FEBRUARY 11, 1941. Class 19.

386,774. LADIES' HOSIERY. ARCHER HOSIERY MILLS, Columbus, Ga.
Filed November 20, 1940. Serial No. 438,064. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,775. BULLETIN RELATING TO CURRENT BOOKS, PUBLISHED FROM TIME TO TIME. HENRY M. SNYDER & CO., New York, N. Y.
Filed November 20, 1940. Serial No. 438,094. PUBLISHED JANUARY 28, 1941. Class 38.

386,776. HATS FOR MEN, WOMEN, AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed November 20, 1940. Serial No. 438,098. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,777. PRINTING PRESSES. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J.
Filed November 22, 1940. Serial No. 438,105. PUBLISHED FEBRUARY 11, 1941. Class 23.

386,778. LEATHER SHOES, FABRIC SHOES, AND SHOES OF LEATHER AND FABRIC. BANCROFT WALKER COMPANY, Waltham, Mass.
Filed November 22, 1940. Serial No. 438,109. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,779. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. BEVERAGE PRODUCTS CORPORATION, Philadelphia, Pa.
Filed November 22, 1940. Serial No. 438,111. PUBLISHED FEBRUARY 11, 1941. Class 45.

386,780. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. BEVERAGE PRODUCTS CORPORATION, Philadelphia, Pa.
Filed November 22, 1940. Serial No. 438,112. PUBLISHED FEBRUARY 11, 1941. Class 45.

386,781. TENNIS GAME. BLOOMINGDALE BROS., INC., doing business as Bloomingdale's, New York, N. Y.
Filed November 22, 1940. Serial No. 438,115. PUBLISHED FEBRUARY 11, 1941. Class 22.

386,782. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed November 22, 1940. Serial No. 438,138. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,783. PIECE GOODS MADE WHOLLY OR PARTIALLY OF EXTRUDED VINYLIDENE CHLORIDE. PRESIDENT SUSPENDER COMPANY, Boston, Mass.
Filed November 22, 1940. Serial No. 438,151. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,784. RAINCOATS. SPATZ BROS., INC., New York, N. Y.
Filed November 22, 1940. Serial No. 438,159. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,785. SWEATERS. BERNARD STOUMEN, doing business as Fairplay Knitting Mills, Philadelphia, Pa.
Filed November 22, 1940. Serial No. 438,160. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,786. PRINTERS' BLANKETS. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass.
Filed November 23, 1940. Serial No. 438,172. PUBLISHED FEBRUARY 11, 1941. Class 50.

386,787. WHISKEY. GIMBEL BROTHERS, INC., New York, N. Y.
Filed November 23, 1940. Serial No. 438,178. PUBLISHED FEBRUARY 11, 1941. Class 49.

386,788. PICTURES. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed November 25, 1940. Serial No. 438,193. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,789. BOOK PAPER. KIMBERLY-CLARK CORPORATION, Neenah, Wis.
Filed November 25, 1940. Serial No. 438,203. PUBLISHED FEBRUARY 11, 1941. Class 37.

386,790. TOOTHBRUSHES. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio.
Filed November 25, 1940. Serial No. 438,207. PUBLISHED FEBRUARY 11, 1941. Class 29.

386,791. TOOTHBRUSHES. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio.
Filed November 25, 1940. Serial No. 438,210. PUBLISHED FEBRUARY 11, 1941. Class 29.

386,792. TOOTHBRUSHES. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio.
Filed November 25, 1940. Serial No. 438,211. PUBLISHED FEBRUARY 11, 1941. Class 29.

386,793. SPRING SCALES. ABRAHAM J. SHEKTER, Jamaica, N. Y.
Filed November 25, 1940. Serial No. 438,218. PUBLISHED FEBRUARY 11, 1941. Class 26.

386,794. TOILET TISSUE, PAPER TOWELS, AND PAPER NAPKINS. STRAUBEL PAPER COMPANY, Green Bay, Wis.
Filed November 25, 1940. Serial No. 438,221. PUBLISHED FEBRUARY 11, 1941. Class 37.

386,795. RING TRAVELERS. U. S. RING TRAVELER CO., Providence, R. I.
Filed November 25, 1940. Serial No. 438,223. PUBLISHED FEBRUARY 11, 1941. Class 23.

386,796. TOWELS AND TOWELING. BOOTT MILLS, Lowell, Mass.
Filed November 26, 1940. Serial No. 438,234. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,797. LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND DRESSES. FIERMAN-KOLMER CO., INC., New York, N. Y.
Filed November 26, 1940. Serial No. 438,238. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,798. WOMEN'S AND MISSES' DRESSES. GRACEFUL LADY DRESS CO., INC., New York, N. Y.
Filed November 26, 1940. Serial No. 438,240. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,799. MEN'S SUITS, TOPCOATS, AND OVERCOATS. LEBOW BROTHERS, Baltimore, Md.
Filed November 26, 1940. Serial No. 438,244. PUBLISHED JANUARY 28, 1941. Class 39.

386,800. WOMEN'S, MISSES', AND GIRLS' DRESSES, SUITS, SKIRTS, COATS, JACKETS, AND WRAPS. LORD & TAYLOR, New York, N. Y.
Filed November 26, 1940. Serial No. 438,246. PUBLISHED JANUARY 28, 1941. Class 39.

386,801. HAIR AND HAND-SCRUB BRUSHES. RUBBERSET COMPANY, Newark, N. J.
Filed November 26, 1940. Serial No. 438,249. PUBLISHED FEBRUARY 11, 1941. Class 29.

386,802. PAPER TOWELS. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y.
Filed November 27, 1940. Serial No. 438,262. PUBLISHED FEBRUARY 11, 1941. Class 37.

386,803. STAPLE FIBERS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed November 27, 1940. Serial No. 438,266. PUBLISHED FEBRUARY 11, 1941. Class 1.

386,804. HAND TRUCKS AND HAND AND WHEEL BARROWS, AND PARTS THEREOF. CHICAGO MANUFACTURING AND DISTRIBUTING COMPANY, Chicago, Ill.
Filed November 27, 1940. Serial No. 438,267. PUBLISHED FEBRUARY 11, 1941. Class 19.

386,805. FELTED FIBROUS SHEETS OF INSULATING MATERIAL. HOMASOTE COMPANY, INC., Fernwood, N. J.
Filed November 27, 1940. Serial No. 438,270. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,806. MILLWORK AND LAMINATED WOOD CONSTRUCTION MEMBERS. ROCK ISLAND LUMBER COMPANY, St. Paul, Minn.
Filed November 27, 1940. Serial No. 438,286. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,807. LUBRICATING OILS. RUSK OIL COMPANY OF PHILADELPHIA, PA., INC., also doing business as Rusk Oil Co., Rusk Oil Co., Inc., Rusk Oil Co. of Philadelphia, Pa., Rusk Oil Company, Incorporated, Rusk Oil Company, and as Rusk Oil Company, Inc., Philadelphia, Pa.
Filed November 27, 1940. Serial No. 438,287. PUBLISHED FEBRUARY 4, 1941. Class 15.

386,808. HOUSE ORGAN. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio.
Filed November 28, 1940. Serial No. 438,300. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,809. RAYON CREPE FABRICS IN THE PIECE. SHIRLEY SILK CO., INC., New York, N. Y.
Filed November 28, 1940. Serial No. 438,317. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,810. EGG NOG. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md.
Filed November 28, 1940. Serial No. 438,321. PUBLISHED FEBRUARY 11, 1941. Class 49.

386,811. MAGAZINE. BLIGH-PALMER & COMPANY, Chicago, Ill.
Filed November 29, 1940. Serial No. 438,327. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,812. TOTS', CHILDREN'S, GIRLS', BOYS', YOUTHS', AND MEN'S, AND WOMEN'S SHOES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron, Ohio, Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver Colo., also doing business as Famous-Barr Co., St. Louis, Mo.
Filed November 29, 1940. Serial No. 438,346. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,813. PUBLICATION CONTAINING NEWS, REVIEWS, INFORMATION, FRATERNAL AND EDUCATIONAL ARTICLES, AND FRATERNAL ANNOUNCEMENTS AND LISTS, PUBLISHED AT REGULAR INTERVALS. TOASTMASTERS INTERNATIONAL, Santa Ana, Calif.
Filed November 29, 1940. Serial No. 438,364. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,814. NECKTIES, CRAVATS, AND SCARFS. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed November 30, 1940. Serial No. 438,375. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,815. ROCK WOOL. FEDERAL ROCK WOOL COMPANY, Kansas City, Mo.
Filed November 30, 1940. Serial No. 438,385. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,816. PHOTOGRAPHIC APPARATUS COMPRISING ENLARGERS, CAMERAS, PHOTOGRAPHIC LENSES, LENS MOUNTS, NEGATIVE CARRIERS, ROLL FILM RECEIVERS, LENS BOARDS, PHOTOGRAPHIC ADAPTERS, TRIPOD ADAPTERS, FOCUSING PANELS, AND CONDENSER LENSES. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y.
Filed November 30, 1940. Serial No. 438,387. PUBLISHED FEBRUARY 11, 1941. Class 26.

386,817. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed November 30, 1940. Serial No. 438,390. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,818. SHOE LACES AND BRAIDS. BILTMORE TEXTILE COMPANY, INC., Providence, R. I.
Filed December 2, 1940. Serial No. 438,429. PUBLISHED FEBRUARY 11, 1941. Class 40.

386,819. MEN'S, WOMEN'S, AND CHILDREN'S HOSE. SARFERT HOSIERY MILLS, INC., Philadelphia, Pa.
Filed December 2, 1940. Serial No. 438,454. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,820. VEHICLE SEAT COVERS. THE SCHOELLKOPF COMPANY, Dallas, Tex.
Filed December 2, 1940. Serial No. 438,457. PUBLISHED FEBRUARY 11, 1941. Class 19.

386,821. LADIES' SUITS AND COATS. A. DAVIS & SONS, INC., Jersey City, N. J., and New York, N. Y.
Filed December 3, 1940. Serial No. 438,470. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,822. TYPEWRITERS AND PARTS FOR THE SAME. OLYMPIA BÜROMASCHINENWERKE A. G., Erfurt, Germany.
Filed December 4, 1940. Serial No. 438,514. PUBLISHED FEBRUARY 11, 1941. Class 23.

386,823. MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOP COATS, AND TROUSERS. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio.
Filed December 4, 1940. Serial No. 438,517. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,824. POWER TRANSMISSION AND CONVEYOR BELTING COMPOSED OF FABRIC AND RUBBER, OR SYNTHETIC RUBBER-LIKE MATERIALS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed December 5, 1940. Serial No. 438,542. PUBLISHED FEBRUARY 11, 1941. Class 35.

386,825. COMIC STRIP PUBLISHED PERIODICALLY. THE MCNAUGHT SYNDICATE, INC., New York, N. Y.
Filed December 5, 1940. Serial No. 438,545. PUBLISHED FEBRUARY 4, 1941. Class 38.

386,826. MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOP COATS, AND TROUSERS. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio.
Filed December 5, 1940. Serial No. 438,552. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,827. PLANERS FOR METAL WORKING APPARATUS. WILLIAM SELLERS & COMPANY, INCORPORATED, Philadelphia, Pa.
Filed December 5, 1940. Serial No. 438,553. PUBLISHED FEBRUARY 11, 1941. Class 23.

386,828. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR. VAN RAALTE COMPANY INC., New York, N. Y.
Filed December 5, 1940. Serial No. 438,559. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,829. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR. VAN RAALTE COMPANY INC., New York, N. Y.
Filed December 5, 1940. Serial No. 438,560. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,830. LADIES' AND CHILDREN'S UNDERWEAR. BLUE SWAN MILLS, INC., New York, N. Y.
Filed December 6, 1940. Serial No. 438,566. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,831. FINGER RINGS. GOODMAN AND COMPANY, Indianapolis, Ind.
Filed December 9, 1940. Serial No. 438,579. PUBLISHED FEBRUARY 4, 1941. Class 28.

386,832. BICYCLE TIRES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed December 6, 1940. Serial No. 438,592. PUBLISHED FEBRUARY 11, 1941. Class 35.

386,833. METAL FENCING. THE BROWN FENCE & WIRE COMPANY, Cleveland, Ohio.
Filed December 7, 1940. Serial No. 438,605. PUBLISHED FEBRUARY 11, 1941. Class 13.

386,834. WOMEN'S AND MISSES' DRESSES. CLASSY JEAN DRESSES, INC., St. Louis, Mo.
Filed December 7, 1940. Serial No. 438,610. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,835. MEN'S AND BOYS' UNDERWEAR. COOPER'S, INCORPORATED, Kenosha, Wis.
Filed December 7, 1940. Serial No. 438,611. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,836. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed December 9, 1940. Serial No. 438,656. PUBLISHED FEBRUARY 11, 1941. Class 40.

386,837. PHONOGRAPH RECORDS. NOVELTY PRESS, INC., New York, N. Y., assignor to Publishers Distributing Corporation, New York, N. Y., a corporation of New York.
Filed December 9, 1940. Serial No. 438,663. PUBLISHED FEBRUARY 11, 1941. Class 36.

386,838. STORAGE BATTERY. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif.
Filed December 9, 1940. Serial No. 438,675. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,839. PHOTOGRAPHIC APPARATUS COMPRISING ENLARGERS, CAMERAS, PHOTOGRAPHIC LENSES, LENS MOUNTS, NEGATIVE CARRIERS, ROLL FILM RECEIVERS, LENS BOARDS, PHOTOGRAPHIC ADAPTERS, TRIPOD ADAPTERS, FOCUSING PANELS, AND CONDENSER LENSES. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y.
Filed December 10, 1940. Serial No. 438,691. PUBLISHED FEBRUARY 11, 1941. Class 26.

386,840. GAUGES FOR MACHINE AND WOOD SCREWS. EDWARD WALKER, doing business as No-Pans Washer Co., Cliffside Park, N. J.
Filed December 10, 1940. Serial No. 438,715. PUBLISHED FEBRUARY 11, 1941. Class 26.

386,841. LADIES' NEGLIGEES, HOSTESS COATS, HOUSE COATS, AND LOUNGING ROBES. GEORGE KATEB, INC., New York, N. Y.
Filed December 11, 1940. Serial No. 438,737. PUBLISHED FEBRUARY 4, 1941. Class 39.

386,842. MEN'S AND BOYS' DRESS AND WORK SHIRTS, DRESS AND WORK PANTS, OUTER SHIRTS, SPORT SHIRTS, AND COATS. MARLBORO SHIRT COMPANY, INC., Baltimore, Md.
Filed December 12, 1940. Serial No. 438,772. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,843. WOMEN'S AND MISSES' COATS AND SUITS. THE PRINTZ BIEDERMAN COMPANY, Cleveland, Ohio.
Filed December 12, 1940. Serial No. 438,775. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,844. DRILLING MUD. RANGER CHEMICAL CORPORATION, Houston, Tex.
Filed December 12, 1940. Serial No. 438,776. PUBLISHED FEBRUARY 4, 1941. Class 12.

386,845. FURNACES USED IN THE INDUSTRIAL ARTS. SURFACE COMBUSTION CORPORATION, Toledo, Ohio.
Filed December 12, 1940. Serial No. 438,780. PUBLISHED FEBRUARY 11, 1941. Class 34.

386,846. COTTON AND/OR RAYON PIECE GOODS. M. LOWENSTEIN & SONS, INC., New York, N. Y.
Filed December 13, 1940. Serial No. 438,809. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,847. JACKETS. MYRTLE KNITTING MILLS, INCORPORATED, Unionville, Conn.
Filed December 13, 1940. Serial No. 438,810. PUBLISHED FEBRUARY 11, 1941. Class 39.

386,848. ELECTRICAL TRANSFORMERS. WAGNER ELECTRIC CORPORATION, St. Louis, Mo.
Filed December 13, 1940. Serial No. 438,820. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,849. ELECTRICAL LIGHTING FIXTURES. DAZOR MANUFACTURING CORPORATION, St. Louis, Mo.
Filed December 14, 1940. Serial No. 438,833. PUBLISHED FEBRUARY 11, 1941. Class 21.

386,850. MECHANICAL CALCULATING DEVICES FOR CALCULATING QUANTITIES OF PAINT AND VARNISH INGREDIENTS. NUODEX PRODUCTS CO., INC., Elizabeth, N. J.
Filed December 14, 1940. Serial No. 438,850. PUBLISHED FEBRUARY 11, 1941. Class 26.

386,851. FURNITURE COVERS. PHILIP H. HENOCH, doing business as Henoch, Not Inc., Chicago, Ill.
Filed December 16, 1940. Serial No. 438,880. PUBLISHED FEBRUARY 11, 1941. Class 32.

386,852. ALE. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.
Filed December 16, 1940. Serial No. 438,890. PUBLISHED FEBRUARY 11, 1941. Class 48.

386,853. PETROLEUM PRODUCTS—NAMELY, GASOLINE. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed December 16, 1940. Serial No. 438,911. PUBLISHED FEBRUARY 4, 1941. Class 15.

386,854. PIECE GOODS COMPOSED WHOLLY OR IN PART OF YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed December 18, 1940. Serial No. 438,969. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,855. PIECE GOODS COMPOSED WHOLLY OR IN PART OF YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed December 18, 1940. Serial No. 438,970. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,856. SURGICAL SPONGES. EDWARD F. LEWISON, Baltimore, Md.
Filed December 18, 1940. Serial No. 438,987. PUBLISHED FEBRUARY 11, 1941. Class 44.

386,857. PRINTED SILK AND RAYON FABRICS. PILGRIM PIECE DYE WORKS INC., New York, N. Y.
Filed December 18, 1940. Serial No. 438,992. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,858. COTTON FABRICS, RAYON FABRICS AND FABRICS MADE OF COTTON AND RAYON. L. BACHMANN & CO., INC., New York, N. Y.
Filed December 19, 1940. Serial No. 439,011. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,859. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed December 20, 1940. Serial No. 439,040. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,860. STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC. TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC., ONTO WOOD, ETC. MARKWELL MFG. CO., INC., New York, N. Y.
Filed December 20, 1940. Serial No. 439,049. PUBLISHED FEBRUARY 11, 1941. Class 23.

386,861. NARROW ELASTIC FABRICS FOR USE IN THE MAKING OF ELASTIC INSERTS OR GORES IN FOOTWEAR AND OTHER ARTICLES OF APPAREL. THOMAS TAYLOR & SONS, INC., Hudson, Mass.
Filed December 20, 1940. Serial No. 439,059. PUBLISHED FEBRUARY 11, 1941. Class 40.

386,862. WOOLEN AND WORSTED PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed December 21, 1940. Serial No. 439,068. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,863. RUM. CORA I. SUND, Hollywood, Calif.
Filed December 21, 1940. Serial No. 439,082. PUBLISHED FEBRUARY 11, 1941. Class 49.

386,864. PORCH AND WINDOW SHADES. RAYMOND PORCH SHADE CO., Janesville, Wis.
Filed December 23, 1940. Serial No. 439,127. PUBLISHED FEBRUARY 11, 1941. Class 32.

386,865. NONALCOHOLIC BEVERAGES SOLD IN BOTTLES AND ALSO SYRUPS AND EXTRACTS FOR MAKING THE SAME. WASHINGTON BOTTLING WORKS, INC., Washington, D. C.
Filed December 23, 1940. Serial No. 439,133. PUBLISHED FEBRUARY 11, 1941. Class 45.

386,866. WHISKEY. OLDETYME DISTILLERS CORPORATION, also known as Oldetyme Distillers Corp., New York, N. Y.
Filed December 24, 1940. Serial No. 439,172. PUBLISHED FEBRUARY 11, 1941. Class 49.

386,867. BEER. PFEIFFER BREWING COMPANY, Detroit, Mich.
Filed December 24, 1940. Serial No. 439,173. PUBLISHED FEBRUARY 11, 1941. Class 48.

386,868. PIECE GOODS COMPOSED WHOLLY OR IN PART OF YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed December 26, 1940. Serial No. 439,185. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,869. WINDOW CURTAINS MADE OF MARQUISETTE AND RAYON CLOTHS OR OTHER SHEER LIGHT-TRANSMITTING CLOTH. MODERN CURTAIN CO. INC., Boston, Mass.
Filed December 26, 1940. Serial No. 439,205. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,870. EDUCATIONAL CARD GAME. JAMES P. WHITFIELD, Memphis, Tenn.
Filed December 23, 1940. Serial No. 439,215. PUBLISHED FEBRUARY 11, 1941. Class 22.

386,871. COTTON AND LINEN PIECE GOODS. HYMAN LUBOW, doing business as The Linette Co., New York, N. Y.
Filed December 27, 1940. Serial No. 439,232. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,872. COTTON AND LINEN PIECE GOODS. HYMAN LUBOW, doing business as The Linette Co., New York, N. Y.
Filed December 27, 1940. Serial No. 439,233. PUBLISHED FEBRUARY 11, 1941. Class 42.

386,873. GASKETS. UNITED STATES GASKET COMPANY, Camden, N. J.
Filed December 27, 1940. Serial No. 439,245. PUBLISHED FEBRUARY 11, 1941. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

386,874. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed July 8, 1938. Serial No. 408,316.

"FLEECE-NAP"

FOR SHOWER CURTAINS OF WATER REPELLENT FABRICS.
Claims use since January, 1936.

386,875. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE FREDERICK POST COMPANY, Chicago, Ill. Filed Mar. 21, 1938. Serial No. 404,325.

POST

FOR ENGINEERING AND DRAFTING SUPPLIES AS FOLLOWS: DRAFTSMAN'S AND ENGINEER'S INSTRUMENTS; DRAWING BOARDS; LIGHT-SENSITIVE PAPERS AND CLOTHS; BLUEPRINT PAPERS AND CLOTHS; DIRECT-PRINTING SENSITIZED PAPERS AND CLOTHS; TRANSPARENTIZED LIGHT-SENSITIVE SHEETS; PHOTOGRAPHIC CLIPS; METAL TRAYS FOR PHOTOGRAPHIC BATHS; PRINTING FRAMES; VACUUM PHOTOGRAPHING PRINTING FRAMES AND CARRIAGES, VACUUM PUMPS THEREFOR, VACUUM PADS, CLAMPS AND HOSE FOR SUCH FRAMES; ELECTRIC-LIGHTED VACUUM FRAMES; PRINTING FRAMES; SHEET WASHERS AND DRIERS; LIGHT-PRINTING MACHINES; ARC LIGHTS FOR LIGHT-PRINTING, AND CARBONS AND GLOBES THEREFOR; DRAWING INSTRUMENTS AND CASES THEREFOR; BOXWOOD AND OTHER RULED SCALES OF SUNDRY TYPES; MAP MEASURES; RULES OF SUNDRY TYPES AND CASES THEREFOR; SLIDE RULES, ACCESSORIES, AND CASES THEREFOR; PANTOGRAPHS; DRAFTING MACHINES AND ACCESSORIES THEREFOR; PROTRACTORS OF SUNDRY TYPES; PLANIMETERS OF SUNDRY TYPES; TRIANGLES; LETTERING AND DRAWING GUIDES OF SUNDRY TYPES; BLACKBOARD DIVIDERS AND DRAWING SETS; STRAIGHT EDGES; PARALLEL-RULES AND ATTACHMENTS THEREFOR; T-SQUARES; FIXED AND ADJUSTABLE DRAWING CURVES AND WEIGHTS AND SPLINES THEREFOR; MATHEMATICAL CURVE DRAWING GUIDES; ELLIPSOGRAPHS; COPENHAGEN SHIP CURVES AND OTHER SPECIALTY ENGINEERING CURVES; DRAWING KITS; HORSES FOR DRAWING TABLES AND BOARDS; DRAWING STANDS; DRAWING TABLES; ENGINEERING DESKS; DRAWING AND REFERENCE TABLES; TRACING TABLES; DRAFTSMAN'S STOOLS; MEASURING TAPES OF SUNDRY TYPES AND ACCESSORIES THEREFOR; PLUMB BOBS; MARKING PINS AND ARROWS; STEEL CHAINS; SURVEYOR'S ACCESSORIES, SUCH AS SCRIBES, TARGETS, LEVELS, TALLIES, COUNTERS; LEVELING RODS; STADIA RODS; RANGE POLES; SURVEYOR'S LEVELS AND TRANSITS; TRIPODS; PLANE TABLES; MAGNETIC COMPASSES AND DIP NEEDLES; INDICATING BAROMETERS; RECORDING BAROMETERS; RECORDING THERMOMETERS; ANEMOMETERS; RAIN GAUGES; BINOCULARS; MAGNIFYING GLASSES; AND REDUCING GLASSES.
Claims use since Jan. 10, 1936.

386,876. (CLASS 11. INKS AND INKING MATERIALS.) FRED'K A. STRESEN-REUTER, INCORPORATED, Chicago, Ill. Filed May 19, 1939. Serial No. 419,598.

Zeinlac

FOR LIQUID SOLUTION CONSISTING OF ZEIN AND DIETHYLENE GLYCOL ADAPTED FOR USE AS A VEHICLE FOR PRINTERS' INK AND AS A MIXTURE OF SAID SOLUTION WITH ZEIN AND GUMS AS A VEHICLE FOR PRINTING INK AND AS A PRINTERS' INK.
Claims use since Dec. 1, 1938.

386,877. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LEAR DEVELOPMENTS, INC., Mineola, N. Y., now, by change of name, Lear Avia, Inc. Filed June 24, 1939. Serial No. 420,910.

Learadio

FOR RADIO NAVIGATIONAL SYSTEMS AND ACCESSORIES—NAMELY, RADIOGONIOMETRIC APPARATUS, RADIO COMPASSES, AUTOMATIC RADIO DIRECTION FINDERS, RIGHT-LEFT RADIO DIRECTIONAL INDICATORS, AIRCRAFT RADIO DIRECTIONAL INSTRUMENTS, RADIO ALTITUDE METERS, RADIO DISTANCE INDICATORS, RADIO DRIFT INDICATORS, RADIO BEACON RECEIVERS AND MARKER INDICATORS, RADIO RANGE RECEIVERS AND INDICATORS, DIRECTIONAL RADIO ANTENNAE, ROTATABLE LOOP ANTENNAE, REMOTELY CONTROLLED DIRECTIONAL ANTENNAE.
Claims use since Jan. 30, 1934.

386,878. (CLASS 39. CLOTHING.) LEWEL MFG. CO., INC., New York, N. Y., assignor to Lewel Manufacturing Co., INC., a corporation of New Jersey. Filed Aug. 22, 1939. Serial No. 422,856.

"Tummy Yard"

FOR GIRDLES.
Claims use since July 1, 1939.

386,879. (CLASS 37. PAPER AND STATIONERY.) BENJAMIN LAPPER, New York, N. Y., assignor to National Pad & Tablet Corp., New York, N. Y. Filed Nov. 24, 1939. Serial No. 425,921.

WIND-O-FILE

FOR BLANK CARDS, BLANK BOOKS, PAPER FOLDERS, AND PAPER FILLERS FOR A VISIBLE RECORD SYSTEM.
Claims use since Oct. 2, 1939.

386,880. (CLASS 39. CLOTHING.) RALEIGH HABERDASHER, INC., Washington, D. C. Filed Jan. 29, 1940. Serial No. 427,994.

RALEIGH

JR

FOR GIRLS' COATS, SUITS, DRESSES, OUTER SKIRTS, BLOUSES, HOSIERY, HATS, CAPS, AND WRAPS.
Claims use since Jan. 26, 1940.

386,881. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BISSELL CARPET SWEEPER CO., Grand Rapids, Mich. Filed Feb. 12, 1940. Serial No. 428,459.

American

FOR CARPET SWEEPER.
Claims use since Jan. 26, 1940.

386,882. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MONEY-METERS, INC., Providence, R. I. Filed Feb. 12, 1940. Serial No. 428,496.

MONEY-METERS

FOR COIN RECEIVING AND REGISTERING APPARATUS, AND PARTICULARLY FARE COLLECTING DEVICES, BOTH HAND OPERATED AND AUTOMATIC, AND COUNTER COLLECTOR, AND REGISTER FOR CAFETERIAS AND SIMILAR ESTABLISHMENTS.
Claims use since Jan. 1, 1929.

386,883. (CLASS 10. FERTILIZERS.) GEORGE C. WARNER, Los Angeles, Calif. Filed Feb. 17, 1940. Serial No. 428,668.

WARNER'S

FOR VITAMIN B CONCENTRATE FOR PLANT CULTURE.
Claims use since Feb. 9, 1940.

386,884. (CLASS 12. CONSTRUCTION MATERIALS.) PEASE WOODWORK COMPANY, INC., Cincinnati, Ohio. Filed Feb. 23, 1940. Serial No. 428,822.

SCREEN-O-SASH

FOR COMBINATION STORM AND SCREEN UNIT FOR DOUBLE HUNG WINDOWS.
Claims use since Feb. 19, 1940.

386,885. (CLASS 39. CLOTHING.) SMITH-LOCKWOOD MANUFACTURING CO., Omaha, Nebr. Filed Feb. 23, 1940. Serial No. 428,834.

SUN VALLEY

FOR MEN'S MUFFLERS AND NECKTIES.
Claims use since Sept. 22, 1937.

386,886. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HELEN TANIS, doing business as Paris Mfg. Co., Chicago, Ill. Filed Feb. 26, 1940. Serial No. 428,936.

Twinsett

FOR POWDER PUFFS.
Claims use since Feb. 20, 1940.

386,887. (CLASS 39. CLOTHING.) BERKSHIRE KNITTING MILLS, Wyomissing, Pa. Filed Mar. 1, 1940. Serial No. 429,088.

Crepelastic

FOR HOSIERY; SAID HOSIERY IS KNITTED PRINCIPALLY OF PLAIN SILK YARN AND CONTAINS, IN EACH ARTICLE, A ZONE KNITTED OF PLAIN COVERED RUBBER YARN SO KNITTED AS, TO SOME EXTENT, TO SIMULATE CREPE.
Claims use since Feb. 23, 1940.

386,888. (CLASS 39. CLOTHING.) SCHINDEL-McDANIELS CO., INC., New York, N. Y. Filed Mar. 5, 1940. Serial No. 429,231.

ERMINETTE

FOR HOUSECOATS, NEGLIGEES, PAJAMAS, BEACH COATS, BEACH ROBES, JACKETS FOR WOMEN AND CHILDREN, CAPES, HOODS FOR WOMEN AND CHILDREN, AND SLACKS FOR WOMEN AND CHILDREN.
Claims use since Feb. 16, 1940.

386,889. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WILLIAM O. GEYER, doing business as Scientific Glass Apparatus Co., Bloomfield, N. J. Filed Mar. 6, 1940. Serial No. 429,263.

INTER-JOINT

FOR INTERCHANGEABLE TUBULAR GLASS PARTS, STOPPERS AND STOP-COCKS FOR GLASS CHEMICAL APPARATUS AND GLASS SCIENTIFIC APPLIANCES FOR LABORATORY USES.
Claims use since Feb. 21, 1940.

386,890. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Mar. 7, 1940. Serial No. 429,299.

NICKEL COMICS

FOR MONTHLY HUMOROUS PERIODICAL.
Claims use since Mar. 4, 1940.

386,891. (CLASS 39. CLOTHING.) THE H. W. GOSSARD CO., New York, N. Y. Filed Mar. 13, 1940. Serial No. 429,527.

Hi-Top

FOR CORSETS, GIRDLES, AND COMBINATION CORSETS AND BRASSIÈRES.
Claims use since Feb. 26, 1940.

386,892. (CLASS 39. CLOTHING.) SHIELDS SLIPPER CORPORATION, Bombay, N. Y. Filed Apr. 6, 1940. Serial No. 430,462.

Mocc-etts

FOR MEN'S, WOMEN'S, AND CHILDREN'S BOOTS AND SHOES MADE OF LEATHER AND FABRICS.
Claims use since Feb. 29, 1940.

386,893. (CLASS 39. CLOTHING.) FRENCH VEILING CORP., New York, N. Y. Filed Apr. 8, 1940. Serial No. 430,501.

"Le Chic"

FOR HAIR NETS.
Claims use since Mar. 1, 1940.

386,894. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed Apr. 17, 1940. Serial No. 430,869.

TYBRAIDS

FOR LACINGS FOR WEARING APPAREL.
Claims use since Feb. 13, 1940.

386,895. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SAVOY WATCH CO. INC., New York, N. Y. Filed Apr. 17, 1940. Serial No. 430,880.

Lord West

FOR WATCHES, WATCHCASES, WATCH MOVEMENTS AND PARTS THEREOF.
Claims use since Mar. 8, 1940.

386,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. CHRISTIANS CO., Johnson Creek, Wis. Filed Apr. 24, 1940. Serial No. 431,147.

"It's Flavor Tested"

FOR BUTTER.
Claims use since Feb. 28, 1940.

386,897. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed May 4, 1940. Serial No. 431,578.

POPULAR Pets

FOR A PERIODICAL.
Claims use since Feb. 10, 1940.

386,898. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HUNT & WINTERBOTHAM MILLS, LTD., New York, N. Y. Filed May 10, 1940. Serial No. 431,767.

BERMUDA DOESKIN

FOR FACE WOOLEN CLOTH—NAMELY, DOESKIN.
Claims use since 1910.

386,899. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) C. H. SAVARD, doing business as Spring-Foot Manufacturing Company, Los Angeles, Calif. Filed May 22, 1940. Serial No. 432,223.

"Spring-Foot"

FOR ARCH SUPPORTERS.
Claims use since Jan. 1, 1938.

386,900. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLES J. VER HALEN, Hollywood, Calif. Filed June 1, 1940. Serial No. 432,587.

HOME MOVIES

FOR A PERIODICAL.
Claims use since October, 1934.

386,901. (CLASS 39. CLOTHING.) HOLLAND-RACINE SHOES, INC., Holland, Mich. Filed June 7, 1940. Serial No. 432,765.

Racine

FOR SHOES MADE MAINLY OF LEATHER.
Claims use since Apr. 19, 1895.

386,902. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) MYERS-LIPMAN WOOL STOCK CO., INC., New York, N. Y. Filed July 2, 1940. Serial No. 433,620.

MYLAN

FOR FLOCK.
Claims use since Mar. 1, 1940.

386,903. (CLASS 39. CLOTHING.) A. J. BEFORD SHOE INC., Lititz, Pa. Filed Sept. 6, 1940. Serial No. 435,705.



FOR YOUNG MEN'S, BOYS', AND CHILDREN'S SHOES AND OXFORDS MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS, OR COMBINATIONS THEREOF.
Claims use since January, 1940.

386,904. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SHERMAN PRESS, New York, N. Y. Filed Sept. 13, 1940. Serial No. 435,960.

TOP-POCKET-HANDKERCHIEF

FOR A PRINTED ADVERTISING TAG IN COMBINATION WITH A MEMORANDUM PAGE AND AN ARTIFICIAL HANDKERCHIEF, SOLD AS SUCH.
Claims use since May, 1926.

386,905. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed Oct. 15, 1940. Serial No. 436,983.

Photography

FOR A PAMPHLET RELATING TO PHOTOGRAPHY FOR BOTH THE PROFESSIONAL AND AMATEUR PHOTOGRAPHER, PUBLISHED ANNUALLY.
Claims use since January, 1938.

386,906. (CLASS 39. CLOTHING.) LITTLE LADY COAT CO. INC., New York, N. Y. Filed Oct. 2, 1940. Serial No. 436,574.

DAINTY MAID



LITTLE LADY COAT CO INC

FOR COATS AND HATS FOR INFANTS AND SMALL CHILDREN.
Claims use since Nov. 10, 1938.

386,907. (CLASS 37. PAPER AND STATIONERY.) ELLINGSWORTH MFG. CO., Chicago, Ill. Filed Dec. 3, 1940. Serial No. 438,472.

DUO-TANG

FOR LOOSE-LEAF COVERS.
Claims use since September, 1932.

386,908. (CLASS 39. CLOTHING.) RAND RUBBER COMPANY, Brooklyn, N. Y. Filed Dec. 10, 1940. Serial No. 438,703.

BRASHIELD

FOR LADIES' COMBINED BRASSIÈRES AND DRESS SHIELDS.
Claims use since Dec. 1, 1937.

386,909. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MONARCH MARKING SYSTEM COMPANY, Dayton, Ohio. Filed Jan. 21, 1941. Serial No. 439,825.

Pin-On

FOR TICKET OR TAG MARKING AND ATTACHING MACHINES.
Claims use since July, 1924.

386,910. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SAMUEL SHEIPLOWER, New York, N. Y. Filed Jan. 4, 1941. Serial No. 439,421.

Long Life

FOR WATCHES, WATCHCASES AND PARTS THEREOF.
Claims use since Jan. 2, 1940.

386,911. (CLASS 40. DISTILLED ALCOHOLIC LIQUORS.) WALTER P. POWERS, Chicago, Ill. Filed Jan. 27, 1941. Serial No. 440,021.

Dunkirk

FOR BLENDED SCOTCH TYPE WHISKY.
Claims use since Dec. 18, 1936.

386,912. (CLASS 39. CLOTHING.) J. EDWARDS & CO., Philadelphia, Pa. Filed Feb. 7, 1941. Serial No. 440,410.

Edwards

FOR LEATHER SHOES.
Claims use since 1905.

TRADE-MARK REGISTRATIONS RENEWED

19,281. **HAMILTON.** ORGANS. Registered April 7, 1891. HAMILTON ORGAN COMPANY, Indianapolis, Ind., and Chicago, Ill. Re-renewed April 7, 1941, to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

19,977. **COMFORT.** POWDER FOR THE TOILET, NURSERY, AND SIMILAR PURPOSES. Registered August 4, 1891. THE COMFORT POWDER COMPANY, Hartford, Conn. Re-renewed August 4, 1941, to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan, assignee by mesne assignments.

130,659. **LYS.** STOCKINGS AND SOCKS. Registered May 4, 1920. LOUIS BRUN FILS. Renewed May 4, 1940, to Etablissements Brun D'Arre "Le Bas Lys", Arre (Gard), France, a corporation of France, assignee.

139,668. **TIP.** NON-INTOXICATING, NON-CEREAL, MALTLESS FRUIT BEVERAGE. Registered February 8, 1921. JOSEPH LEE WOOD, Bessemer, Ala. Renewed February 8, 1941, to Charlotte Gary Beverage Co., Charlotte, N. C., a corporation of North Carolina, assignee by mesne assignments.

140,070. **ZIP.** CHEMICAL INK-ERADICATOR. Registered March 8, 1921. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Renewed March 8, 1941, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York.

140,152. **TOM BOY.** GIRLS' PLAY-SUITS. Registered March 8, 1921. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed March 8, 1941.

140,173. **ELM.** PATENT-LEATHER ENAMEL, PATENT-LEATHER VARNISH, AND SMOOTHER FOR PATENT-LEATHER ENAMEL. Registered March 8, 1921. EDWARD L. MILLETT, Danvers, Mass. Renewed March 8, 1941.

140,328. **CARNOL.** A TONIC FOR ANEMIA AND FOR UPBUILDING THE SYSTEM, IN TABLET FORM. Registered March 15, 1921. ADOLFO E. BESOSA, New York, N. Y. Renewed March 15, 1941.

140,419. **MENTH-O-SNOW.** A SEMIMEDICINAL TOILET PREPARATION—VIZ., AN ANTISEPTIC SKIN EMOLLIENT OR OINTMENT. Registered March 15, 1921. THE LA VALLIERE COMPANY. Renewed March 15, 1941, to The Specialty Products Company, New Orleans, La., a partnership, assignee.

140,420. **FLUFIT.** SHAMPOO FOR THE HAIR. Registered March 15, 1921. THE LA VALLIERE CO. Renewed March 15, 1941, to The Specialty Products Company, New Orleans, La., a partnership, assignee.

140,424. **T. N. T.** NON-ALCOHOLIC MALT BEVERAGES. Registered March 15, 1921. V. LOEWER'S GAMBRINUS BREWERY CO., New York, N. Y., a corporation of New York. Renewed March 15, 1941.

140,805. **REPRESENTATION OF A STAR.** WINDMILLS COMPLETE WITH TOWERS AND PARTS OF SUCH WINDMILLS. Registered March 29, 1921. FLINT AND WALLING MFG. CO. Renewed March 29, 1941, to Flint & Walling Manufacturing Co., Inc., Kendallville, Ind., a corporation of Indiana, assignee.

140,850. **AVONA.** DIAPER-CLOTH IN THE PIECE. Registered March 29, 1921. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed March 29, 1941.

141,090. **REPRESENTATION OF A CAMEL.** COLIC REMEDY AND DISTEMPER REMEDY. Registered April 12, 1921. ORVILLE DEXTER CAMPBELL, Warren, Ark. Renewed April 12, 1941.

141,094. **AIROILENE.** LUBRICATING-OIL. Registered April 12, 1921. CHICAGO PNEUMATIC TOOL COMPANY, Chicago, Ill. Renewed April 12, 1941, to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey.

141,127. **TIEFOLD.** CERTAIN NAMED BLANK FORMS. Registered April 12, 1921. THE A. S. GILMAN PAINTING COMPANY, Cleveland, Ohio. Renewed April 12, 1941, to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware, assignee by mesne assignments.

141,148. **AVONA.** CERTAIN ARTICLES OF CLOTHING. Registered April 12, 1921. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed April 12, 1941.

141,150. **AVONA.** LEATHER GLOVES FOR MEN, WOMEN, AND CHILDREN. Registered April 12, 1921. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed April 12, 1941.

141,174. **TRI-M-ITE.** ABRASIVE PAPER AND ABRASIVE CLOTH. Registered April 12, 1921. MINNESOTA MINING & MFG. CO. Renewed April 12, 1941, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware, assignee.

141,175. **THREE-M-ITE.** ABRASIVE PAPER AND ABRASIVE CLOTH. Registered April 12, 1921. MINNESOTA MINING & MFG. CO. Renewed April 12, 1941, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware, assignee.

141,277. **REPRESENTATION OF THE GLOBE, ETC.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered April 12, 1921. WORLD'S MEDICINE CO., Indianapolis, Ind., a firm. Renewed April 12, 1941.

141,466. **ADLAKE.** TRIMMINGS FOR RAILWAY-CARS—VIZ., BRAKE-HANDLES AND UNCOUPLING-HANDLES. Registered April 26, 1921. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill. Renewed April 26, 1941, to The Adams & Westlake Company, Elkhart, Ind., a corporation of Illinois.

141,481. **REPRESENTATION OF A RED STRIPE.** WIRE FENCING. Registered April 26, 1921. RED TOP STEEL POST COMPANY, as assignee of Brooke Anderson, Chicago, Ill. Renewed April 26, 1941, to Keystone Steel & Wire Company, Peoria, Ill., a corporation of Illinois, assignee by mesne assignments.

141,553. **BULL DOG.** INSECT-POWDER. Registered April 26, 1921. THE FRANK TEA & SPICE CO., Cincinnati, Ohio, a corporation of Ohio. Renewed April 26, 1941.

141,854. **GRIFFIN.** CERTAIN STEELS. Registered May 3, 1921. ARTHUR BALFOUR & COMPANY, LIMITED, Sheffield, England, a British corporation. Renewed May 3, 1941.

142,405. **ADLAKE.** BAGGAGE-RACKS. Registered May 17, 1921. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill. Renewed May 17, 1941, to The Adams & Westlake Company, Elkhart, Ind., a corporation of Illinois.

142,450. **B-BERLOY.** METAL FILING-CASES, LOCKERS, AND SHELVING. Registered May 17, 1921. THE BERGER MANUFACTURING COMPANY, Canton, Ohio. Renewed May 17, 1941, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey, assignee by mesne assignments.

142,637. **NECO.** CARBON-PAPER AND TYPEWRITER-RIBBONS. Registered May 17, 1921. THE NELSON-EISMANN-QUIST CO. Renewed May 17, 1941, to The Nelson-Eismann Company, Chicago, Ill., a corporation of Illinois, by change of name.

142,681. **KEYKO.** BUTTER SUBSTITUTE. Registered May 17, 1921. THE OHIO DAIRY CO., Toledo, Ohio. Renewed May 17, 1941, to Shedd Products Company, Detroit, Mich., a corporation of Michigan, assignee.

142,990. **TURPEDINE.** COMPOUND FOR USE IN TREATING COUGHS, COLDS, BRONCHITIS, TONSILLITIS, AND ULCERATIONS. Registered May 24, 1921. RICHARD G. DUNWODY, Atlanta, Ga. Renewed May 24, 1941.

143,336. **EUREKA.** REDUCING COMPOUND FOR LITHOGRAPHIC AND PRINTING INKS. Registered May 31, 1921. FLORASYNTH LABORATORIES, INCORPORATED, Unionport, N. Y. Renewed May 31, 1941, to Florasynth Laboratories, Incorporated, New York, N. Y., a corporation of New York.

143,904. **THE BALDWIN KEYNOTE.** MAGAZINE PUBLISHED FROM TIME TO TIME. Registered June 21, 1921. THE BALDWIN COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 21, 1941.

143,909. **ROYAL BRAND.** CERTAIN ARTICLES OF STEEL CUTLERY. Registered June 21, 1921. SAMUEL E. BERNSTEIN. Renewed June 21, 1941, to National Silver Company, New York, N. Y., a corporation of New York, assignee.

144,038. **RUBYFLUID.** SOLDERING AND TINNING FLUX. Registered June 21, 1921. FRED H. PERFECT. Renewed June 21, 1941, to The Ruby Chemical Company, Columbus, Ohio, a corporation of Ohio, assignee.

144,182. **CLOVER.** ICE-CREAM. Registered June 28, 1921. CLOVER CREAMERY CO. INC., Roanoke, Va., a corporation of Virginia. Renewed June 28, 1941.

144,333. **ADLAKE.** CERTAIN HARDWARE AND BATH-ROOM ACCESSORIES. Registered July 5, 1921. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill. Renewed July 5, 1941, to The Adams & Westlake Company, Elkhart, Ind., a corporation of Illinois.

144,391. **SHIP BY TRUCK.** RESILIENT TIRES COMPOSED OF RUBBER OR RUBBER AND FABRIC AND INNER TUBES. Registered July 5, 1921. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed July 5, 1941.

144,410. **SHIRTCRAFT.** CERTAIN ARTICLES OF CLOTHING. Registered July 5, 1921. HALL HARTWELL & Co., Troy, N. Y. Renewed July 5, 1941, to The Shirtcraft Company Incorporated, New York, N. Y., a corporation of New York, assignee.

144,411. **SHIRTCRAFT.** CERTAIN ARTICLES OF CLOTHING. Registered July 5, 1921. HALL HARTWELL & Co., Troy, N. Y. Renewed July 5, 1941, to The Shirtcraft Company Incorporated, New York, N. Y., a corporation of New York, assignee.

144,462. **VANTAGE.** CAN-OPENERS, APPLE-CORERS, CAKE-TURNERS, AND MIXING, SKIMMING, AND KITCHEN SPOONS. Registered July 5, 1921. ROCKFORD METAL SPECIALTY CO., Rockford, Ill., a corporation of Illinois. Renewed July 5, 1941.

144,959. **SELIGMANN'S CROWN.** WHEAT-FLOUR. Registered July 19, 1921. GEORGE URBAN MILLING COMPANY, Buffalo, N. Y., a corporation of New York. Renewed July 19, 1941.

144,967. **KNICKERBOCKER.** SOAP. Registered July 19, 1921. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Renewed July 19, 1941.

145,101. **GOLCO.** CERTAIN BATH-ROOM FIXTURES AND SUPPLIES. Registered July 26, 1921. GOLCO SANITARY SYSTEM, INC., Philadelphia, Pa., a corporation of Delaware. Renewed July 26, 1941.

145,127. **K V P.** PARCHMENT PAPERS, WAXED PAPERS, WRAPPING PAPERS, AND BOND WRITING-PAPERS. Registered July 26, 1921. KALAMAZOO VEGETABLE PARCHMENT COMPANY, Kalamazoo, Mich., a corporation of Michigan. Renewed July 26, 1941.

145,221. **ALUMA.** REFRACTORY BRICKS OF STANDARD AND SPECIAL SHAPES. Registered July 26, 1921. SEABOARD REFRACTORIES COMPANY, Valentines, Raritan Township, N. J., a corporation of New Jersey. Renewed July 26, 1941.

145,313. **ROSAE CRUCIS.** MONTHLY MAGAZINE AND CERTAIN NAMED PUBLICATIONS. Registered August 2, 1921. ANCIENT AND MYSTICAL ORDER ROSAE CRUCIS, San Francisco, Calif. Renewed August 2, 1941, to The Supreme Grand Lodge of the Ancient and Mystical Order Rosae Crucis, San Jose, Calif., a corporation of California, assignee.

145,561. **HETTRICK'S STAPLE BRAND.** COTTON GOODS IN THE PIECE. Registered August 9, 1921. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed August 9, 1941.

145,614. **NIGHTINGALE.** CHOCOLATES. Registered August 16, 1921. BRADAS & GHEENS. Renewed August 16, 1941, to Bradas & Gheens, Inc., Louisville, Ky., a corporation of Kentucky, assignee.

145,627. **REPRESENTATION OF A GLOBE.** LEATHER BELTING. Registered August 16, 1921. CHICAGO BELTING COMPANY. Renewed August 16, 1941, to Chicago Belting Company, Chicago, Ill., a corporation of Delaware, assignee.

145,641. **PINGO SHINE STOVWAX.** A PREPARATION FOR BLACKING AND DRESSING IRON SURFACES. Registered August 16, 1921. JOSIAH H. CROCKER, Cambridge, Mass. Renewed August 16, 1941, to Lavinia P. Crocker, Derry, N. H., assignee.

146,021. **KIMONETTE.** PLAIN WHITE, DYED, OR PRINTED COTTON PIECE GOODS. Registered August 23, 1921. CONSOLIDATED TEXTILE CORPORATION, as assignee of Windsor Print Works, North Adams, Mass., and New York, N. Y. Renewed August 23, 1941, to Consolidated Textile Co., Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

146,075. **JAZZ.** CHICKEN FEED, DAIRY FEED, LAYING-MASH, GROWING-MASH, HORSE FEED, AND HOG FEED. Registered August 30, 1921. W. M. COSBY FLOUR & GRAIN CO. Renewed August 30, 1941, to Cosby-Hodges Milling Company, Inc., Birmingham, Ala., a corporation of Alabama, by change of name.

146,121. **SUNSET.** DYES. Registered August 30, 1921. NORTH AMERICAN DYE CORPORATION. Renewed August 30, 1941, to North American Dye Corporation, Mount Vernon, N. Y., a corporation of New York, assignee.

146,128. **PARFUM INCONNU.** PERFUMES, TOILET WATERS, SACHET, AND SACHET-POWDERS. Registered August 30, 1921. HOUBIGANT, INC., as assignee of Parfumerie Houbigant, Paris, France. Renewed August 30, 1941, to Houbigant, Inc., New York, N. Y., a corporation of New York, assignee.

146,153. **HYPERESSENCE.** NATURAL OIL OF FLOWERS, LEAVES, ROOTS, STEMS, AND GUMS USED FOR SCENTING PURPOSES. Registered August 30, 1921. UNGERER & COMPANY, New York, N. Y., a corporation of New York. Renewed August 30, 1941.

146,177. **BLACKS OF SUPERIORITY.** PAINT-PIGMENTS—NAMELY, CARBON-BLACK, GAS-BLACK, BONE-BLACK, DROP-BLACK, IVORY-BLACK, AND OXID-BLACK. Registered September 6, 1921. BINNEY & SMITH COMPANY, New York, N. Y., a corporation of New Jersey. Renewed September 6, 1941.

146,203. **CONVOY.** WHEAT-FLOUR. Registered September 6, 1921. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Weiser, Idaho, a corporation of Colorado. Renewed September 6, 1941.

146,233. **G & L.** METAL WORKING, BORING, DRILLING, AND MILLING MACHINES. Registered September 6, 1921. GIDDINGS & LEWIS MACHINE TOOL CO., Fond du Lac, Wis., a corporation of Wisconsin. Renewed September 6, 1941.

146,277. **SNAPLITE.** LENSES FOR MOTION-PICTURE PROJECTION AND SIMILAR PURPOSES. Registered September 6, 1921. KOLLMORGEN OPTICAL CORPORATION, Brooklyn, N. Y., a corporation of New York. Renewed September 6, 1941.

146,322. **PREMIER MAI.** PERFUMES, TOILET WATERS, FACE-POWDERS, LIQUID LOTION FOR THE SKIN, SACHETS, SACHET-POWDERS, AND BRILLIANTINE. Registered September 6, 1921. HOUBIGANT, INC., as assignee of Parfumerie Houbigant, Paris, France. Renewed September 6, 1941, to Houbigant, Inc., New York, N. Y., a corporation of New York, assignee.

146,323. **L'OEILLET DU ROY.** PERFUMES, TOILET WATERS, SACHET, AND SACHET-POWDERS. Registered September 6, 1921. HOUBIGANT, INC., as assignee of Parfumerie Houbigant, Paris, France. Renewed September 6, 1941, to Houbigant, Inc., New York, N. Y., a corporation of New York, assignee.

146,343. **THE ROBINSON REMINDER.** MEMORANDUM-BOOKS AND FILLERS THEREFOR. Registered September 6, 1921. ROBINSON MANUFACTURING CO., Westfield, Mass., a corporation of Massachusetts. Renewed September 6, 1941.

146,367. **CARD.** CERTAIN SCREW-THREADING TOOLS. Registered September 6, 1921. UNION TWIST DRILL COMPANY, Athol and Mansfield, Mass. Renewed September 6, 1941, to Union Twist Drill Company, Athol, Mass., a corporation of Massachusetts.

146,405. **D. W. CO.** CERTAIN DRAWING AND SURVEYING INSTRUMENTS. Registered September 6, 1921. DAVID WHITE COMPANY, INC., Milwaukee, Wis., a corporation of Wisconsin. Renewed September 6, 1941.

146,413. **WHITE DAISY.** TEA. Registered September 6, 1921. SAMUEL ZECHNOWITZ. Renewed September 6, 1941, to Consolidated Tea Co., Inc., New York, N. Y., a corporation of New York, assignee.

REISSUES

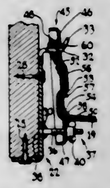
APRIL 22, 1941

21,773
UPHOLSTERY CONSTRUCTION

Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.

Original No. 2,192,294, dated March 5, 1940, Serial No. 206,198, May 5, 1938. Application for reissue May 18, 1940, Serial No. 336,037

4 Claims. (Cl. 155—179)



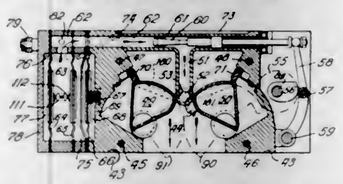
1. In upholstery construction, a frame having upstanding walls, a bracket having a portion contacting the inner surface of one of said walls, means for attaching said bracket to said wall, a member pivotally connected to said bracket, said bracket having an opening below the point of pivotal connection of said member to said bracket, a screw passing through said opening and having a head non-rotatably engaging said bracket, said screw extending at right angles to said wall, said member being formed with an opening receiving said screw, a nut on said screw adapted to be turned on said screw for swinging said member on its pivot toward said wall, said member being formed with a plurality of parallel slots, a piece of strip webbing, one end of said strip being folded back, said folded portion passing through said slots, and a pin in the fold of said strip.

21,774
CARBURETOR

Milton E. Chandler, Birmingham, and Milton J. Kittler, Detroit, Mich., assignors, by direct and mesne assignments, to Chandler-Evans Corporation, Meriden, Conn., a corporation of Delaware

Original No. 2,088,464, dated July 27, 1937, Serial No. 5,144, February 5, 1935. Application for reissue May 29, 1939, Serial No. 276,444

4 Claims. (Cl. 261—12)



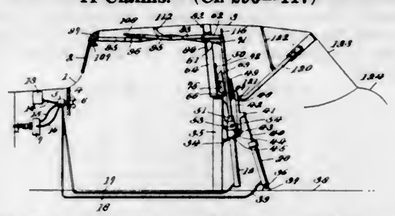
1. A fuel supply means for an aviation carburetor comprising, a fuel pump, a fuel passage leading therefrom, a fuel supply chamber having a flexible wall, a fuel outlet from said chamber, an inlet valve for controlling fuel discharge into said chamber from said fuel passage, said valve being operated by said flexible wall, spring means for supporting said wall, and means responsive to variation in atmospheric pressure for varying the compression of said spring means.

21,775
CONVERTIBLE AUTOMOBILE BODY

Jeronimo Falcon, Buenos Aires, Argentina

Original No. 2,169,340, dated August 15, 1939, Serial No. 197,947, March 24, 1938. Application for reissue January 3, 1941, Serial No. 373,795

11 Claims. (Cl. 296—117)



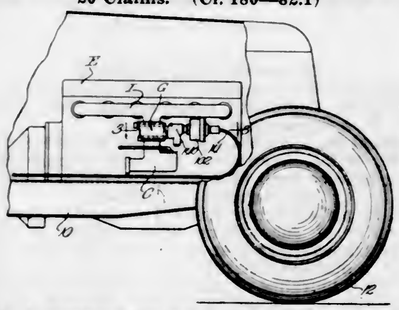
11. The combination of a convertible top for vehicles and power means for extending the top, said means comprising a cylindrical casing, a rod extending into said casing, said rod being connected to said top in such manner that movement of said rod outwardly of the casing causes raising of the top, a spring in said casing urging movement of said rod inwardly of said casing, a floating piston in said casing adapted to freely abut said rod, means for pumping liquid into said casing to move said piston in a direction to move said rod outwardly of said casing and to compress said spring, means for securing said top in its extended position, and means for draining the liquid from said casing while said top is secured in its extended position to retract said piston whereby said rod is free to move in a top collapsing direction under pressure of said spring upon subsequent release of said securing means.

21,776
COMBINED VEHICLE SPEED AND AUTOMOTIVE ENGINE GOVERNOR

Addison C. Hoof, Hinsdale, Ill.

Original No. 2,148,556, dated February 28, 1939, Serial No. 157,617, August 5, 1937. Application for reissue August 3, 1940, Serial No. 351,076

20 Claims. (Cl. 180—82.1)



1. A governor for controlling the speed of an internal combustion engine driven automotive vehicle which has a fuel conduit between the carburetor and the intake manifold of the engine, said governor including a valve in said fuel conduit and mechanical means acting on said valve

adapted to control the supply of fuel to said engine in accordance with the road speed of said vehicle at a given speed and suction responsive means acting on said valve and operable independent of said mechanical means and adapted to control the supply of fuel to said engine at a given engine speed.

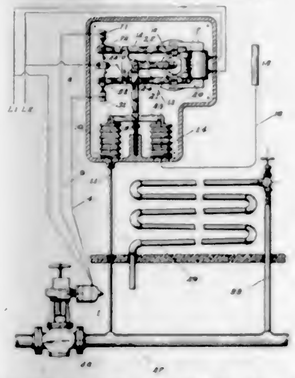
21,777

PRESSURE AND TEMPERATURE CONTROL SWITCH

James Lewis Kimball, Danvers, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass.

Original No. 1,975,851, dated October 9, 1934, Serial No. 637,466, October 12, 1932. Application for reissue January 28, 1936, Serial No. 62,160

19 Claims. (Cl. 236—74)



4. In a switch for the regulation of a condition, comprising a floating switch member operated between two stationary contacts and arranged to be reciprocated by a motor operated cam without making contact at either of said stationary contacts when said switch member is in a central position between said contacts, and a device sensitive to variations in said condition pivoted on said switch member and arranged to move said switch member out of its central position on a variation from normal in said condition, permitting intermittent contact at either one or the other of said stationary contacts, and means controlled by said switch for maintaining said condition at a substantially uniform value.

21,778

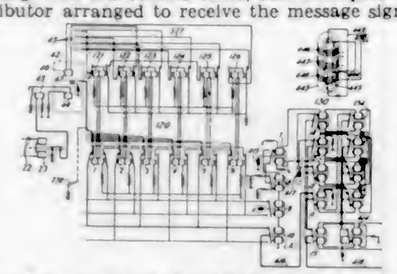
TRANSMISSION SYSTEM

Louis M. Potts, Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original No. 1,708,954, dated April 16, 1929, Serial No. 56,855, September 17, 1925. Application for reissue April 10, 1931, Serial No. 529,268

167 Claims. (Cl. 178—2)

1. In an exchange system, a central office, a plurality of subscribers' lines leading to said office, transmitters at each of the subscribers' stations, a multiplex distributor at the central office having a plurality of channels incoming thereto, operators' connecting circuits for interconnecting said lines and also for connecting simultaneously a plurality of said lines to respective ones of said channels, signal receiving and storing devices associated with each channel and operable independently of each other in response to said transmitters to store the message signals sent over said lines, and a single transmission line outgoing from the central office, said multiplex distributor arranged to receive the message signals



stored in all of said channels and to deliver them in a definite sequential order to the transmission line.

21,779

NEUTRALIZATION OF ACIDS EXUDING FROM SILICIOUS CEMENTS

Joseph H. Schlesinger, New York, N. Y., assignor to Eagle Chemical Company, New York, N. Y.

No Drawing. Original No. 2,154,413, dated April 11, 1939, Serial No. 49,182, November 11, 1935. Application for reissue October 31, 1939, Serial No. 302,183

4 Claims. (Cl. 32—15)

3. A composition of matter for treating a tooth cavity to receive an acid-exuding cement filling, the said composition comprising an absorbable solution of alkali adapted to alkalize the field of operation, neutralize exuded acid, and reduce the irritating effect of the cement.

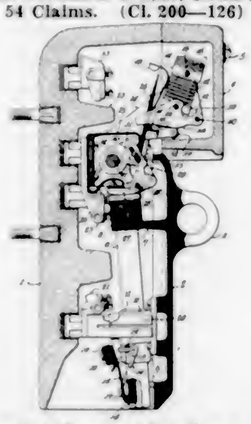
21,780

REPEATING FUSE CONSTRUCTION

William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Original No. 2,063,466, dated December 8, 1936, Serial No. 1,696, January 14, 1935. Application for reissue November 8, 1937, Serial No. 173,432

54 Claims. (Cl. 200—126)



1. A repeating fuse construction comprising a first fuse unit and a second fuse unit, a fuse link in each fuse unit, an electric line normally connected through said first fuse unit, said first fuse unit including a fuse tube for the fuse link mounted to move from operative to inoperative position when said fuse link is ruptured, a normally open automatic switch carried by said first fuse unit and actuated upon movement of said first fuse unit towards inoperative position for connecting said second fuse unit in the electric line upon blowing of said first fuse unit, and a housing for said first fuse unit including a door, said first fuse unit being movable from operative to inoperative position while the door of the housing remains closed.

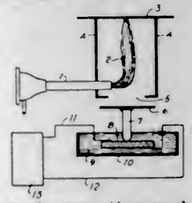
21,781

METHOD FOR PRODUCTION OF CARBON BLACK

Harry A. Toulmin, Jr., Dayton, Ohio, assignor, by mesne assignments, to The Soren Corporation, Dayton, Ohio, a corporation of Delaware

Original No. 2,087,391, dated July 20, 1937, Serial No. 1,353, January 11, 1935. Application for reissue December 13, 1938, Serial No. 245,481

15 Claims. (Cl. 204—154)



9. A method of separating and collecting carbon black particles from a state of suspension in a gas, which consists in subjecting the gas containing the particles to impingement upon a vibratable surface, and subjecting said surface to vibration with high frequency mechanical compression waves.

21,782

INTERNAL COMBUSTION ENGINE IGNITION

Melville F. Peters, Beltsville, Md., and R. Harry Stone, Bound Brook, N. J., assignors to Titeflex Metal Hose Co., a corporation of New Jersey

Original No. 2,173,539, dated September 19, 1939, Serial No. 102,020, September 22, 1936. Application for reissue September 18, 1940, Serial No. 357,332

17 Claims. (Cl. 123—148)



17. A radio shielded ignition system comprising in combination; a radio-shielding manifold structure, radio-shielding spark plug lead structures extending therefrom, conductors contained in said manifold structure and in said lead structures, each of said lead structures comprising a radio-shielding conduit substantially fluid tight for the greater part of its length, said manifold structure and said lead structures providing intercommunicating spaces in which fluent material may flow in said manifold about its contained conductors and also in which fluent material may flow in each of said leads about its contained conductor, the said space in said manifold on the one hand and the said spaces in said leads on the other hand, being open to each other for the flow of fluent material therein, and inlet and outlet means adapted to allow the flow of fluent material from an external source into said intercommunicating spaces.

PLANT PATENTS

GRANTED APRIL 22, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

462

HYBRID TEA ROSE

Adolph E. Gude, Rockville, Md., assignor to A. Gude Sons Company, Inc., Washington, D. C., a corporation of the District of Columbia

Application December 10, 1940, Serial No. 369,501

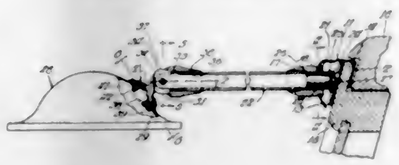
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose, characterized primarily by its large blossoms of a clear deep rose color, its vase-shaped bud, and its free and vigorous growth.

PATENTS

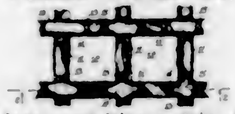
GRANTED APRIL 22, 1941

2,238,877
REARVIEW MIRROR
John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., Gary, Ind., a corporation of Indiana
Application December 18, 1937, Serial No. 180,601
4 Claims. (Cl. 248—226)



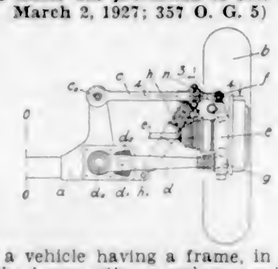
1. A rearview mirror construction for motor vehicles and adapted to be mounted on the outside of the body thereof, comprising a mirror, a mirror-supporting arm, and an anti-theft mounting for said arm, said mounting comprising a pressure member adapted to be positioned against the outer surface of the thin marginal extension of a door of the vehicle and adjacent the edge of said extension, a channel-shaped clamping bracket member of substantial length and comprising spaced and opposed side-wall portions of substantial area and a connecting or bridge portion therebetween, said clamping bracket member being adapted to embrace the free side edge of said thin marginal extension of the door with one of its side-wall portions engaging the inner surface of said marginal extension, with the other of said side-wall portions extending over the outer side of said marginal extension and spaced therefrom and extending over said pressure member, and with said bridge portion extending between the edge of said marginal extension of the door and a portion of the door-jamb positioned laterally of and directly opposed to said edge, the side-wall portion engaging the inner face of the marginal extension and said bridge portion respectively having such thickness, not exceeding the spaces between the door-jamb and said inner surface of said marginal extension and between said door-jamb and said edge, as not to interfere with the opening and closing of the door, said bridge portion being in close engagement with said edge of said marginal extension of the door for a substantial distance so as to prevent relative rotation of the bracket member upon the door surfaces engaged thereby, the outer side-wall of said channel-shaped member having an opening through which said supporting arm extends into engagement with said pressure member, and means connecting said arm and said last-mentioned side-wall portion whereby relative rotation of said arm and means acts to force said pressure member tightly against the outer face of the door and thus draw the inner side-wall member tightly against the inner surface of the door, so as to mount said parts securely on said door in such relation to the jamb thereof that the device as a whole cannot be dismounted when the door is closed.

2,238,878
BANDAGE
Alexander Baltz and Sampson Baltz, Royal Park, Victoria, Australia
Application November 13, 1940, Serial No. 365,458
In Australia June 20, 1936
2 Claims. (Cl. 128—156)



1. A bandage comprising a strip of pliable absorbent textile base material including interwoven textile threads, and spaced small fragments of raw rubber deposited exclusively on the outside of the individual threads on one surface of said base material, the capillary interstices within the individual threads being open and unobstructed, whereby said surface adheres only to itself and the absorptive property and pliability of the base material are substantially preserved.

2,238,879
VEHICLE
Joseph Dauben, Stuttgart-Wurttemberg, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application February 15, 1937, Serial No. 125,863
In Germany February 14, 1936
22 Claims. (Cl. 280—124)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

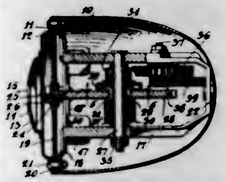


18. In a vehicle having a frame, in combination, a wheel supporting member, a pair of links each pivotally connected to said frame and to said wheel supporting member, and combined means intermediate one of said links and said wheel supporting member for independently adjusting the caster and camber of said wheel supporting member, said combined means including a rotatable pin for making one of said adjustments and an eccentric rotatably mounted on said pin for making the other of said adjustments.

2,238,880
HORN
Gaetano Carbonaro, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application June 28, 1939, Serial No. 281,524
4 Claims. (Cl. 116—144)

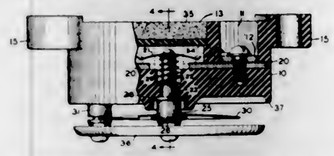
1. A horn including in combination a substantially U shaped mounting member formed of die-

cast material, outwardly flared arm members secured to said mounting member at the open end thereof, a diaphragm peripherally secured to said arm members, a cover for said diaphragm, fastening means extending through said cover, diaphragm, and arm members, for securing the same, a cup-shaped casing enclosing said U shaped member and adapted to have its open edge abut said diaphragm cover in substantial registry therewith, securing means extending between the base of said mounting member and said casing at a point opposite the open end of the latter for shifting said casing into substantial contact with the base of said mounting member and thereby drawing said casing into intimate contact with



said diaphragm cover, a shaft extending between the legs of said mounting member and mounted at its opposite ends by both of the same, a sleeve encircling said shaft and free to rotate with respect thereto, an inner clutch member carried by said sleeve, diaphragm vibrating means secured to said inner clutch member, an outer clutch member also encircling said sleeve but being free to rotate with respect thereto, horn actuating means coupled to said outer clutch member to rotate the same and means disposed between said inner and outer clutch members for causing inter-engagement between the same when said outer clutch member is rotated in one direction only.

2,238,881
THERMOSTATIC SWITCH
Francis C. Evans, Dongan Hills, Staten Island, N. Y., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application November 27, 1937, Serial No. 176,784
9 Claims. (Cl. 200—138)

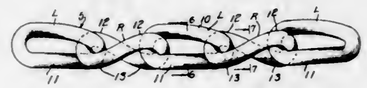


1. A thermostatic electric switch comprising a base, cooperating contact members in a recess in said base, means for sealing said recess, thermostatic means outside of said recess and a frictionless actuating connection from the thermostatic means to said contact members whereby the thermostatic means is unbiased by friction during operation.

2,238,882
TEXTILE OIL
Alfred C. Goodings, Harry B. Marshall, and Herbert W. Lemon, Toronto, Ontario, Canada
No Drawing. Application December 21, 1939, Serial No. 310,340. In Canada February 2, 1938
19 Claims. (Cl. 252—56)

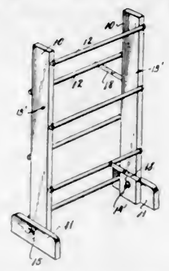
1. A textile oil comprising a base oil having a Saybolt Universal viscosity between about 50 and 250 seconds at 100° F., and containing as a scouring assistant an effective amount of a mixed diester of a polyhydric alcohol of at least three hydroxy groups with a long chain fatty acid of at least 10 carbon atoms and not more than two double bonds and a short chain aliphatic acid of less than about 6 carbon atoms.

2,238,883
TIRE CHAIN
Herbert C. Hegelheimer, Niagara Falls, Ontario, Canada, assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application August 2, 1938, Serial No. 222,578
4 Claims. (Cl. 152—243)



1. A chain comprising a series of interconnected curb links, adjacent links of which are of opposite twist.

2,238,884
COLLAPSIBLE SHOE SUPPORTING DEVICE OR RACK
Herbert E. Hoffman, Brooklyn, N. Y.
Application May 11, 1939, Serial No. 273,032
4 Claims. (Cl. 211—38)

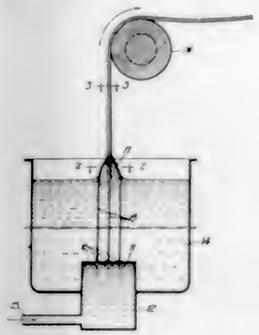


4. In a collapsible supporting device a pair of side members, a plurality of pairs of parallel vertically superposed horizontal cross members, one cross member of each pair being pivotally attached to the front faces of said side members and the other of each cross member being pivotally attached to the rear faces of said side members, means for suspending said device from a wall or door and collapsible means for holding said device spaced from and parallel to the door or wall when suspended therefrom.

2,238,885
PROCESS OF MAKING MULTIFORM RUBBER THREAD
Robert Gilbert James and Sydney Frederick Smith, Wylde Green, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application May 10, 1938, Serial No. 206,998
In Great Britain July 16, 1937
5 Claims. (Cl. 18—54)

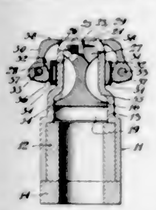
1. A method of forming and uniting more than two freshly coagulated rubber filaments into a compact grouping to form a thread which comprises continuously drawing a group of more

than two of said filaments in free suspension below the surface of a liquid upwardly through said surface and out of said liquid at substantially a right angle to said surface into a group



arranged regularly and compactly about an axis of symmetry whereby said filaments are drawn together and brought into close contact by the surface tension of said liquid as they are drawn from its surface.

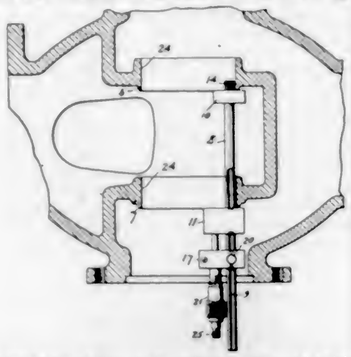
2,238,886
GUARD FOR POWER DRIVEN RAZORS
Jens O. Jensen, Miami Beach, Fla., assignor to Bernard F. Connolly, Shreveport, La.
Application November 27, 1937, Serial No. 176,824
4 Claims. (Cl. 30—43)



1. In a shaving device having a shearing area adapted to bear directly against the skin, a guard therefor, hinge means supporting said guard on said device, said guard being rotatable selectively on said hinge means into an effective position laterally adjacent to but not over said shearing area or into an ineffective position, and a spring pressure means acting eccentrically on said hinge means releasably to hold said guard in either of said positions.

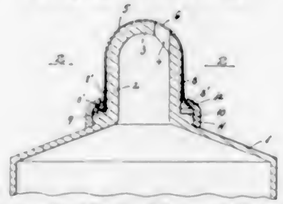
2,238,887
VALVE-SETTING MICROMETER GAUGE
George Russell King, Upper Darby, Pa.
Application July 20, 1940, Serial No. 346,463
7 Claims. (Cl. 33—180)

7. A micrometer gauge comprising, a pair of gauge elements each having two similarly disposed faces arranged at right angles to each other and of which one gauge element is fixedly mounted and the other gauge element is adjustably mounted in respect to the first, a micrometer adjustably mounted and having the measuring end of its stem operatively arranged in respect to a non-measuring portion of the movable gauge element, and means for holding the gauge elements and micrometer in the described operable



relationship with the micrometer slidable and clampable in respect thereto.

2,238,888
DISPENSING CLOSURE MEMBER
Bruno Kluth, Berlin, Germany
Application April 17, 1939, Serial No. 268,317
In Germany April 14, 1938
5 Claims. (Cl. 221—60)

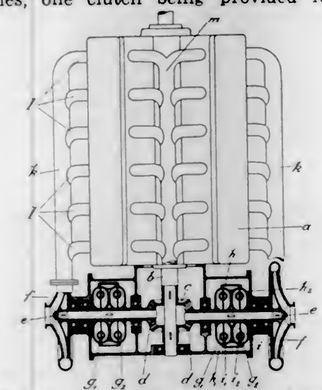


2. The combination of a container having a neck the outer end of which is provided with an opening therein, a cap rotatively fitting over said neck, said cap having an opening adapted to be moved into and out of register with the opening in said neck, and means for retaining said cap in engaging relation to said neck, said means comprising a plurality of elastic tongues extending from the lower edge of said cap and having lower portions bent outwardly at an angle, a tubular member secured to the container concentric to said neck and having an inner conical surface, the bent portions of said tongues yieldingly bearing against said conical surface, at least one of said tongues being unbent and extending in a straight direction from said cap, and stop means integral with said neck cooperating with said last mentioned tongue to define the dispensing and closed positions of said cap when said openings are in and out of register, respectively.

2,238,889
BLOWER DRIVE, ESPECIALLY FOR AIRPLANE ENGINES
Karl Kollmann, Stuttgart-Bad Cannstatt, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application November 15, 1938, Serial No. 240,474
In Germany June 27, 1935
15 Claims. (Cl. 123—119)

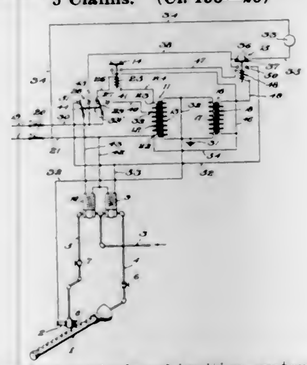
1. Arrangement for charging internal combustion engines comprising an internal combustion engine with two blowers for charging the cylinders and two non-mechanical kinetic clutches,

said blowers being driven by the internal combustion engine through said regulable kinetic clutches, one clutch being provided for each



blower and gearing means for driving said clutches, one clutch being provided for each revolutions than that of the internal combustion engine.

2,238,890
IGNITION SYSTEM FOR FUEL BURNERS
James K. Clark, New Hartford, N. Y., assignor to The Partlow Corporation, New Hartford, N. Y.
Application May 29, 1939, Serial No. 276,477
5 Claims. (Cl. 158—28)



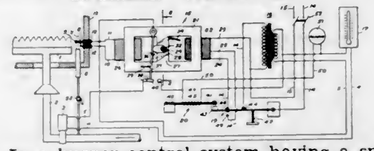
1. A safety control and ignition system for fuel burners, including a burner with a spark gap bridging the flame space projecting from a fuel jet of the burner, a transformer having a primary winding, and a high potential secondary connected with said spark gap of the burner, a source of alternating current supply, means normally connecting said source of current supply with said primary winding of the transformer so as to produce a potential in the secondary winding sufficient only to produce a passage of sparks across the gap when a flame is present therein but operable to connect a lesser number of turns of the transformer primary winding with the source of current supply to increase the secondary potential for fuel ignition, means dependent upon the current consumption of the transformer for controlling the supply of fuel to the burner, and means for shutting off the supply of fuel to the burner in the event of excessive current flow from the secondary winding of the transformer.

2,238,891
SUPPORTING BRACKET
Harry C. Cohen and Alfred I. Cohen, Pittsburgh, and Charles M. Tursky, Turtle Creek, Pa.; said Tursky assignor to said Harry C. Cohen and said Alfred I. Cohen jointly, both of Pittsburgh, Pa.
Application January 13, 1939, Serial No. 250,744
13 Claims. (Cl. 156—19)



10. In a bracket for supporting flexible material, the combination of a pair of corrugated strip members, a plurality of resilient arcuate heads formed integral with selected alternate bends of one of said members, and a plurality of spring resilient arcuate heads formed integral with selected alternate bends of the second of said members and disposed in staggered relation to the resilient arcuate heads on the first member, whereby the corrugated strips may be moved into mating relation and the resilient arcuate heads of both members enter in frictional engagement holding the material therebetween.

2,238,892
BURNER CONTROL APPARATUS
Herman J. Fanger, Oakland, Calif., assignor, by direct and mesne assignments, to The Partlow Corporation, New Hartford, N. Y.
Application March 27, 1937, Serial No. 133,411
13 Claims. (Cl. 158—28)



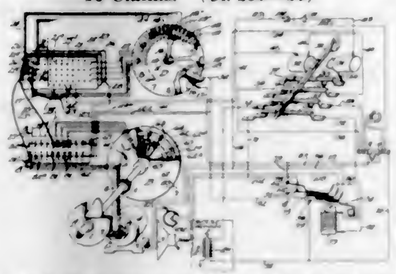
1. In a burner control system having a spark gap, an ignition transformer provided with primary and secondary windings and connections for varying the effective relation of the primary and secondary windings of said transformer for varying the voltage of the high tension secondary current produced at the gap, and means responsive to drop in magnetic flux in said transformer upon failure of the gap current arranged to connect the windings for producing the highest voltage secondary current of said transformer.

2,238,893
SUBDIVIDED MAGNETIC CORE WITH POLYSTYRENE BINDER
Ernst Fischer, Berlin-Lichterfelde, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Original application April 17, 1934, Serial No. 720,923. Divided and this application May 25, 1938, Serial No. 209,917. In Germany April 21, 1933
1 Claim. (Cl. 175—21)



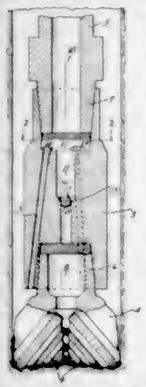
A non-hygroscopic magnet core for inductance coils for electric communication systems subject to high-humidity conditions, consisting of a pressed solid mixture of ferromagnetic powder and an insulating binder consisting of polystyrene and being non-hygroscopic to a degree customary in submarine cable insulation.

2,238,894
AUTOMATIC AND MANUAL RADIO CONTROL APPARATUS
Robert B. Foster, Los Angeles, Calif., assignor to John B. Smiley, New York, N. Y.
Application December 6, 1937, Serial No. 178,220
16 Claims. (Cl. 250—20)



1. In a radio control apparatus, a radio receiver having a tuning condenser, a motor for operating the condenser, a multiple switch for energizing the receiver and for operating the motor, and provided with a magnet for operating the multiple switch, a time switch having spaced contacts for energizing the magnet at predetermined times, and other contacts in connection with and corresponding to the first contacts for operating the motor at said predetermined times.

2,238,895
CLEANSING ATTACHMENT FOR ROTARY WELL DRILLS
Lonnie L. Gage, Vandalia, Ill., assignor to Acme Fishing Tool Company, Parkersburg, W. Va., a corporation of West Virginia
Application April 12, 1939, Serial No. 267,361
5 Claims. (Cl. 255—71)

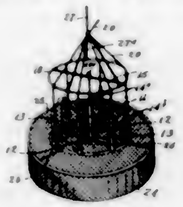


1. In a cleansing attachment for a rotary well drill having an internal passageway for the transmission of fluid to the cutting edges of the drill, a housing adapted to be secured to the upper portion of said drill, said housing being provided with an internal chamber, an inlet for introducing fluid into said chamber, an approximately central discharge passageway for conducting fluid from said chamber to the passageway in the drill, and diverging openings extending from said chamber to the lower face of the housing, removable fluid conductors extending through said diverging openings for transmitting fluid form said chamber onto the outer face of the drill, and manually controlled means for obstructing the flow of fluid through said central discharge passageway so as to increase the flow of liquid through the fluid conductors in said diverging openings, said means including a ball valve member adapted to fall by gravity to obstruct the passage of fluid through said central discharge passageway, said housing having a beveled valve seat in said central discharge passageway and a guide wall for directing said valve member onto said valve seat.

2,238,896
PROCESS FOR HALIDE PREPARATION
Mortimer M. Gibbons, Rahway, N. J.
No Drawing. Application March 10, 1939, Serial No. 260,897
7 Claims. (Cl. 210—28)

1. The process which comprises reacting a halogen of the group consisting of chlorine, bromine and iodine and water in the presence of a treated carbonaceous material formed by reacting a carbonaceous material selected from the group consisting of anthracite coal, bituminous coal, cannel coal, and lignite coal with an acid material selected from the group consisting of concentrated sulfuric acid, fuming sulfuric acid, chloro-sulfonic acid and sulfur trioxide.

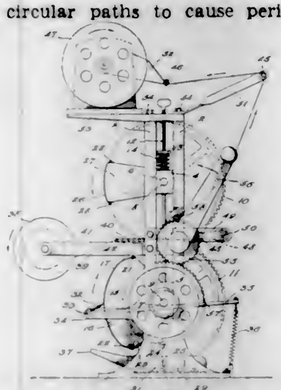
2,238,897
ELECTROLYTIC FISHING
Ramon Gomez, Halifax, Nova Scotia, Canada, assignor to Ramon Perech, New York, N. Y.
Application October 31, 1938, Serial No. 237,930
3 Claims. (Cl. 43—4)



1. The method of fishing wherein electrolytic means are utilized which consists in lowering electrodes into a body of water containing fish, energizing said electrodes to cause a constant current to flow therebetween, keeping said electrodes submerged until a quantity of fish is attracted to the anode, and raising said electrodes to the surface of the body of water thus causing the fish to swim therewith to the surface.

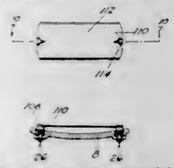
2,238,898
INTAGLIO PRINTING MACHINE FOR MANUFACTURING NAME MARKERS
Oscar Greenstein, New York, N. Y.
Application June 7, 1938, Serial No. 212,225
8 Claims. (Cl. 101—153)

1. In an intaglio machine for the manufacture of name tapes, the combination comprising an intaglio plate of segmentary character having a substantially circular center portion and having end portions of considerably greater curvature, pressure means adapted to periodically coact with said plate, means for applying coloring matter to said intaglio plate, means for passing a tape between said intaglio plate and said pressure means, and means for rotating said plate and pressure means along closed and adjoining circular paths to cause periodical co-



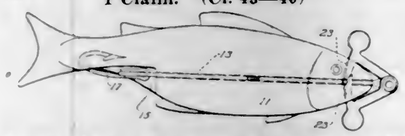
action thereof with a portion of said tape to transfer said coloring matter to said tape.

2,238,899
SAFETY RAZOR
Russell Pelton Harshberger, Pasadena, Calif.
Application July 7, 1936, Serial No. 89,327
11 Claims. (Cl. 30—75)



1. In a safety razor, the combination comprising a razor head having a blade mounting face and a pair of movable blade receiving members guided in and projecting outwardly of said blade mounting face, said members being spaced apart longitudinally of the head and having motion toward and away from said blade mounting face, and said members adapted to engage the marginal edges of a recessed portion of a blade and have shaped surface portions of said members cradle said blade away from the blade mounting face, and said blade receiving members adapted to carry and guide the blade to the blade mounting face when clamping said blade with respect to the head.

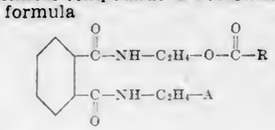
2,238,900
ARTIFICIAL BAIT
John B. Hadaway, Swampscott, Mass.; Florence S. Hadaway, executrix of said John B. Hadaway, deceased
Application March 15, 1939, Serial No. 261,985
1 Claim. (Cl. 43—40)



An artificial bait provided with a passage therethrough to receive the impaling member of a bait holder, said bait being formed with a hook receiving recess at the rear end of said passage, and with an intersecting transverse passage adjacent the front end of said passage to receive securing means for securing the bait to the bait holder.

2,238,901
DERIVATIVES OF AMIDES OF POLYCARBOXYLIC ACIDS
Morris Katzman and Benjamin R. Harris, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 8, 1939, Serial No. 255,220
18 Claims. (Cl. 260—401)

8. Chemical compounds in accordance with the general formula



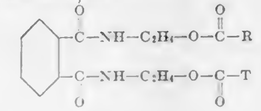
wherein



is an aliphatic carboxylic acyl radical containing from ten to eighteen carbon atoms, and A is a water-solubilizing polar group.

2,238,902
SULPHONIC DERIVATIVES
Morris Katzman and Benjamin R. Harris, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 25, 1939, Serial No. 291,898
17 Claims. (Cl. 260—401)

14. Chemical compounds in accordance with the general formula



wherein

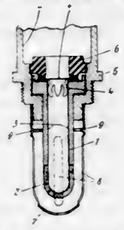


is a carboxylic acyl radical containing at least six carbon atoms, and



is the carboxylic acyl radical of a sulpho-polycarboxylic acid.

2,238,903
ELECTRODE FOR MEASURING THE CONDUCTIVITY OF LIQUIDS
Fritz Lieneweg, Berlin-Siemensstadt, Germany
Application March 10, 1937, Serial No. 130,104
In Germany June 3, 1936
7 Claims. (Cl. 204—195)



1. In a device for measuring the electrical conductivity of liquids with the aid of direct current,

an electrode carrier, an anode secured to said carrier and comprising a hollow body permeable to water, a depolarizing substance having a partial pressure of hydrogen, said substance being disposed within said body, and a grid-like cathode surrounding said anode and mounted on said carrier.

7. An electrode for electrolytical measurements consisting of a ceramic vessel having at least a portion of its wall porous and permeable to water, a mechanically resistant metallic layer disposed on the wall of said vessel so as to permeate said porous wall portion, a depolarizing substance having a partial pressure of hydrogen, said substance being disposed within said vessel, a closure member covering the opening of said vessel, and a terminal conductively connected with said metallic layer.

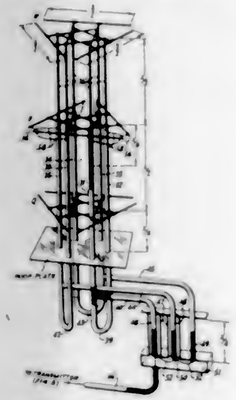
2,238,904

SHORT WAVE COMMUNICATION SYSTEM

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application April 28, 1936, Serial No. 76,745. Divided and this application January 6, 1938, Serial No. 183,571

26 Claims. (Cl. 178—44)



6. In combination, a transmission line conductor having two loads connected thereto at points spaced along said line, the diameter of said conductor at one point of connection to one of said loads being different than its diameter at the other point of connection to the other load.

2,238,905

GAS TURBINE PLANT

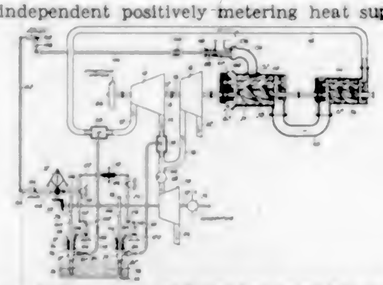
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden

Application May 12, 1938, Serial No. 207,457

In Great Britain May 14, 1937

21 Claims. (Cl. 60—41)

1. In a gas turbine plant of the continuous combustion type, a plurality of turbines coupled in series, compressor means driven by at least one of said turbines and arranged to produce a variable quantity of motive fluid, a plurality of independent heating means arranged at least before part of said turbines, means for supplying motive fluid from said compressor means to said heating means and to said turbines, and a plurality of independent positively metering heat supply



means for supplying independent variable quantities of heat to the several heating means.

2,238,906

ALGINATE COMPOUND AND METHOD OF DISPERSING SAME IN MILK PRODUCTS

Jean Kingsley Martell, Wynnewood, Pa., and Joseph W. Schaller, San Diego, Calif., assignors to Fitger California Company, Los Angeles, Calif., a corporation of California

No Drawing. Application August 31, 1938, Serial No. 227,863. Renewed July 17, 1940

18 Claims. (Cl. 99—136)

1. A borated alginate composition.

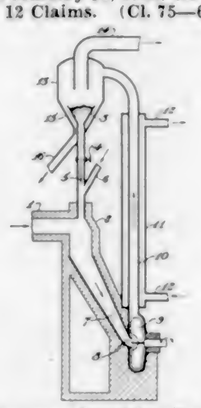
2,238,907

CONDENSATION OF METAL VAPORS

Thomas H. McConica, III, and Charles E. Nelson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application January 31, 1940, Serial No. 316,628

12 Claims. (Cl. 75—67)



12. The process of condensing a metal from the vapor state which comprises injecting into the metal vapor a stream of relatively cool finely-divided metal powder suspended in a small proportion of a gas chemically inert to the powder.

2,238,908

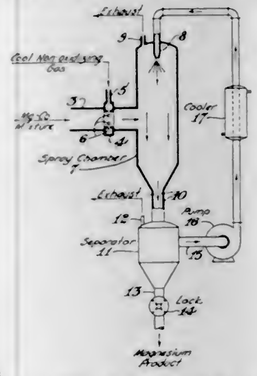
METHOD OF CONDENSING MAGNESIUM VAPOR

Thomas H. McConica, III, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application February 21, 1940, Serial No. 320,085

7 Claims. (Cl. 75—67)

1. The method of condensing magnesium from the vapor phase which comprises injecting a relatively cool non-oxidizing gas into the said vapor in a proportion sufficient to cause substantial cooling but insufficient to chill the vapor to a temperature below that at which condensation of



magnesium occurs at the existing pressure, immediately passing the cooled vapor into contact with non-gaseous condensing means maintained at a condensing temperature below 650° C., and recovering the condensed magnesium.

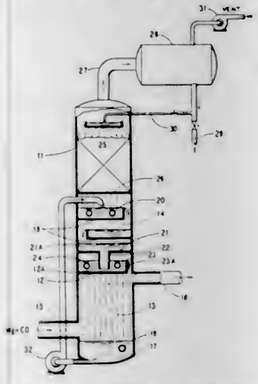
2,238,909

RECOVERY OF MAGNESIUM FROM VAPOR PHASE MIXTURES

Thomas H. McConica, III, and Thomas Griswold, Jr., Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application June 29, 1940, Serial No. 343,136

9 Claims. (Cl. 75—67)



1. In a cyclic process for recovering magnesium from its vapor phase mixtures with carbon monoxide, the steps which comprise: introducing the vapor mixture into an absorption zone and passing it into intimate contact with a molten metal absorbent miscible with liquid magnesium and having a boiling point above that of magnesium supplied at such a temperature that magnesium vapor is condensed and dissolved therein, whereby the heat of condensation is imparted to the magnesium-containing solution thus formed; separating the heated solution from the vapor mixture and withdrawing at least part thereof from the absorption zone; introducing the heated solution thus withdrawn into a regeneration zone and vaporizing magnesium therefrom by maintaining the partial pressure of magnesium in said zone at a value below the vapor pressure of magnesium in the heated solution entering the zone, whereby the absorbent is cooled and regenerated for re-use in the absorption zone; and withdrawing the vaporized magnesium from the regeneration zone and condensing it as product.

2,238,910

RECOVERY OF MAGNESIUM FROM VAPOR MIXTURES

Thomas H. McConica, III, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 1, 1940, Serial No. 349,292

5 Claims. (Cl. 75—67)

1. In a method of separating magnesium from vapor mixtures with carbon monoxide wherein the vapor mixture is passed into intimate contact with a molten metal absorbent miscible with magnesium and supplied at such temperature that the magnesium vapor is dissolved therein, forming a solution from which magnesium is then recovered, the improvement which comprises maintaining the absorbent in the absorption step at a temperature above the boiling point of magnesium at the pressure existing in the said step.

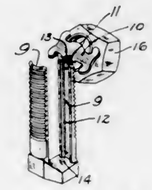
2,238,911

CONNECTOR BOLT

Paul J. McCullough and Joseph Pavelka, Sr., St. Louis, Mo.; said McCullough assignor to said Pavelka

Application October 17, 1936, Serial No. 106,119

6 Claims. (Cl. 24—243)



4. A connector bolt comprising spaced legs with threaded exteriors, a nut threaded to screw over said legs, at least one of said legs having a recessed inner face, a wire retainer positioned in and extending longitudinally of the recess in said leg and in spaced relation to the wall of said recess and secured at its ends to said leg, and means maintaining said nut in slidable engagement with said retainer.

2,238,912

BLEACHING OF CELLULOSE ETHERS

James A. McHard and Floyd C. Peterson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application January 17, 1940, Serial No. 314,276

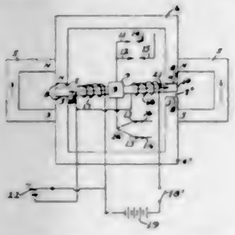
8 Claims. (Cl. 8—108)

1. The method of bleaching cellulose ethers which comprises treating an aqueous suspension of a water-insoluble cellulose ether with a solu-

tion of an alkali hypochlorite, at a temperature between about 40° and about 80° C., and at a pH between 9 and 11.8.

2,238,913
BREAK-IN RELAY
Harold R. Miller, Washington, D. C.
Application October 23, 1939, Serial No. 300,795
21 Claims. (Cl. 175—320)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An electro-magnetic relay means, comprising two permanent magnets each having a north

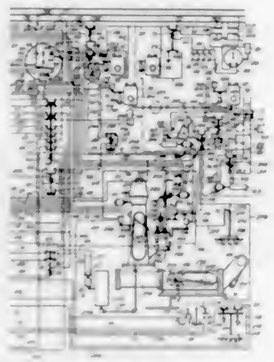


pole and a south pole, a keeper disposed to magnetically connect the north pole of one said magnet to the north pole of the other, another keeper disposed to magnetically connect the south pole of one said magnet to the south pole of the other said magnet, each said keeper having two pole faces of like polarity, the pole faces of one said keeper being disposed opposite the pole faces of the other said keeper forming two air gaps, an armature pivoted at its center arranged to oscillate in said air gaps, two oppositely wound air core coils electrically connected in series across a direct potential source, said armature passing through the air core of both said coils, a circuit closing means connected to short circuit one said coils when closed, both said coils producing a magnetic flux in said armature, the coil connected to be short circuited by said circuit closing means producing a flux of substantially greater strength and in the opposite direction to that produced by the other said coil, the operation of said closing means causing said armature to oscillate, a shaft fixedly secured to said armature at its pivotal point and rotatable through a portion of a revolution as said armature oscillates, one or more movable contacts supported by said shaft and rotatable therewith, a fixed contact disposed opposite each said movable contact, the rotation of said shaft making and breaking the electrical contact between each movable contact and the fixed contact opposite.

2,238,914
CONTROL SYSTEM FOR THE REMOTE OPERATION OF POWER PLANTS
Erick Pearson, Chicago, Ill.
Original application February 24, 1931, Serial No. 517,675. Divided and this application January 19, 1937, Serial No. 121,350
18 Claims. (Cl. 171—118)

1. In a remote control system, a hydroelectric generator, a remote control station, a control circuit over which said generator may be started from said station and connected to a transmission line, means for increasing the current flow in said circuit in proportion to the progress of the operation of putting said generator on said line, means for further variably increasing the current flow in said circuit in proportion to the water level, and supervisory means at said con-





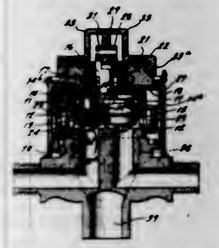
trol station controlled in accordance with the current flow in said circuit.

2,238,915
ELECTRIC FILTER
Melville F. Peters, Beltsville, Md., and R. Harry Stone, Bound Brook, N. J., assignors to Titeflex Metal Hose Co., a corporation of New Jersey
Application October 13, 1937, Serial No. 168,810
8 Claims. (Cl. 178—44)



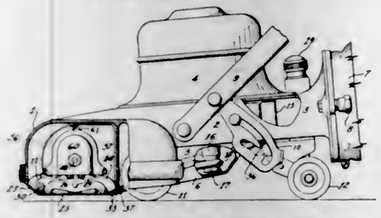
1. The combination with a low resistance transmission conductor, of a high resistance conducting medium about said conductor into which electrical oscillations are adapted to be driven by "skin effect," a relatively low resistance conducting material in electrical connection with said medium and a conductor connected with said low resistance conducting material for conducting said electrical oscillations to a dissipating medium outside the transmission line, said low resistance conductors being continuously in contact with said medium.

2,238,916
MIXING VALVE
Joseph Blair Powers, Jackson Heights, N. Y.
Application May 23, 1940, Serial No. 336,687
13 Claims. (Cl. 277—18)



1. A mixing valve comprising a block containing a pair of inlet passageways, a first and a second valve for each passageway for controlling flow therethrough, a rotatable member, a handle connected to said rotatable member for bodily movement therewith and for rotation about an internal axis, means operated by rotation of said handle to effect simultaneous equal similar movement of both said first valves, and means operated by said rotatable member for effecting simultaneous equal and opposite movement of both said second valves.

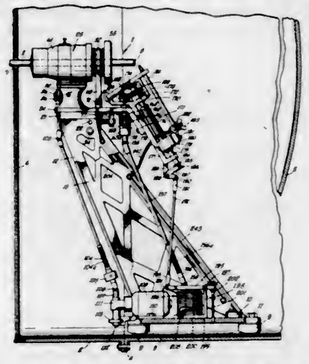
2,238,917
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 5, 1938, Serial No. 183,479
6 Claims. (Cl. 15—6)



1. In a suction cleaner, a nozzle, a rotary agitator unit displaceably positioned in said nozzle and including a rotary agitator and power transmission means positioned axially adjacent said rotary agitator to transform rotary into reciprocating motion, and a vertically reciprocating agitator removably positioned in said nozzle including a reciprocating agitator, underlying said rotary agitator unit and retaining it in place in said nozzle.

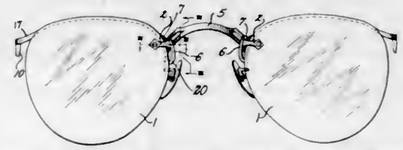
2,238,918
ELECTRIC ARC APPARATUS
Howard G. Spear, North Hollywood, Calif., assignor, by direct and mesne assignments, to William E. Beatty, Los Angeles, Calif.
Application April 8, 1940, Serial No. 328,463
21 Claims. (Cl. 176—55)

1. Arc apparatus comprising the combination of a cylindrical wall having bosses projecting from the inside of said wall, a base removably secured to said bosses, a pair of spaced columns arising from and secured to said base, positive and negative electrode heads, means at the top of said columns for supporting said heads, a



motor on said base between said columns, and means coupling said motor to said heads.

2,238,919
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 5, 1939, Serial No. 249,372
4 Claims. (Cl. 88—47)

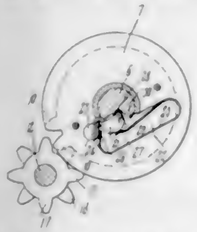


3. In an ophthalmic mounting, the combination of a pair of lenses, lens holding means secured to said lenses on the nasal sides thereof, bridge means joining said lens holding means for supporting the lenses in desired aligned relation with each other and relatively long and slender temple supporting arms joined with said lens holding means and having portions shaped substantially to the upper contour edge of the lenses and terminating in temple connections, said long and slender temple supporting arms and said bridge member having portions extending below their points of attachment with said lens holding means with the major portions thereof in spaced relation with each other and joined together at a point spaced from said lens holding means and free from said lenses so as to allow working of said spaced portions relative to said lenses and to each other between said connections and to provide a strong connection which relieves breaking strain on said temple arm connections, and nose pad supporting arms extending rearwardly of said depending portions from adjacent the lower connections thereof.

2,238,920
COUNTER RESETTING DEVICE
Victor C. Studley, Newton, Mass., assignor to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts
Application January 20, 1939, Serial No. 251,996
5 Claims. (Cl. 235—144)

5. In a resetting mechanism, a rotatable shaft, a plurality of wheels of successive orders rotatably mounted thereon, means for advancing one

wheel one step when the next lower order wheel has made a complete revolution in one direction, a pawl pivotally associated with each of said wheels operative to be drivingly engaged by a wall surface of a groove in said shaft, the path of movement of the engageable portion of said pawl, from the innermost limit of said path outwardly, relatively diverging from said groove wall surface



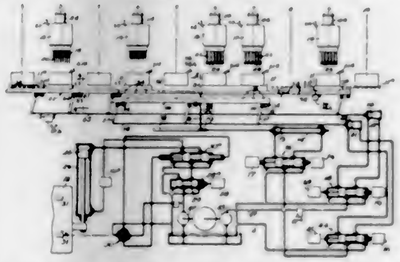
by an amount at least corresponding with the backlash lag angle of the wheel associated with said pawl, and spring means urging said pawls towards said shaft, thereby assuring that each pawl will be picked up and each wheel returned to its original starting position upon not more than one revolution of said shaft in the said direction.

2,238,921

METHOD OF AND APPARATUS FOR OPERATING ON WORKPIECES

Cecil A. Waldsmith, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application February 10, 1939, Serial No. 255,624
27 Claims. (Cl. 29—33)



1. The method of presenting workpieces to a line of operating stations at least two of which are adapted to perform the same operation and another of which performs a different relatively faster operation, said method comprising imparting to a row of workpieces step-by-step movements equal in length to the spacing of said first mentioned stations whereby to advance the pieces one by one into said faster station, and during part of said movements of such workpieces, imparting to other of the workpieces step-by-step movements to advance workpieces out of said first mentioned stations and present other workpieces to such stations.

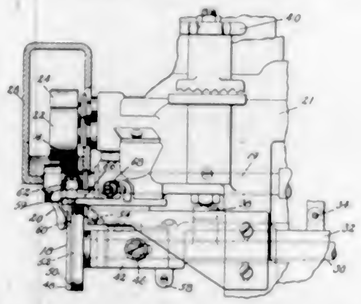
8. A machine tool organization having, in combination, at least two operating stations having tool heads movable into and out of engagement with workpieces resting in said stations to perform the same operation on such workpieces, an idle station on at least one side of said first stations, an operating station on the side of said idle station opposite said first stations and having a tool head movable into and out of engagement with a workpiece at such station to perform a relatively faster operation thereon, all of said stations being disposed in and spaced along a continuous path in which the workpieces remain while progressing through the successive stations, transfer mechanism operable when effectively coupled to workpieces in said first stations to advance such workpieces to succeeding stations along said path and to move a corresponding number of workpieces into the first stations, other transfer mechanism operable to transfer workpieces successively through said faster station, means controlled by the movements of each of said tool heads for governing the actuation of said mechanisms, and means controlled by the presence or absence of a workpiece in said idle station to render said first mechanism operative and inoperative selectively.

2,238,922

PREWELT STRAIGHTENING AND CEMENTING MACHINE

William A. Wheaton, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application November 17, 1939, Serial No. 304,970
19 Claims. (Cl. 12—51)



1. In a machine for operating on prewelt shoe uppers before they are lasted, coacting rolls for gripping opposite sides of the welt, one of the rolls having means constructed and arranged to engage the outer side of the upper close to the line of stitching, and additional means spaced from the first means arranged to engage the upper at a distance from the line of stitching, said means cooperating to push the upper away from the welt and to turn it toward the position it will assume with respect to the welt in the finished shoe.

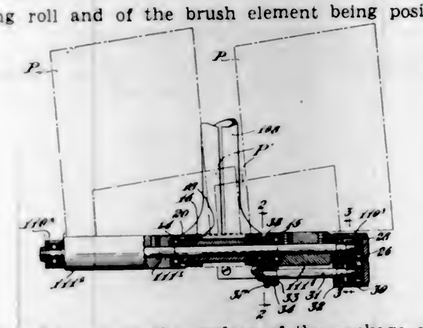
2,238,923

WINDING MACHINE

Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire

Application November 6, 1939, Serial No. 302,994
16 Claims. (Cl. 242—35.6)

1. In an automatic winding machine, an end-finding mechanism comprising an unwinding roll for frictionally rotating a wound yarn package in an unwinding direction, and a brush element driven in the opposite direction from the direction of rotation of the unwinding roll and positioned to cooperate with the package being rotated to brush up the end of yarn on the surface of the package, the surfaces of the unwinding roll and of the brush element being positioned to act on the surface of the package on approximately a common line.

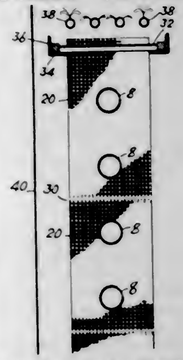


2,238,924

HEAT TRANSFER APPARATUS

Clement K. Bennett, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania

Application September 26, 1936, Serial No. 102,722
14 Claims. (Cl. 257—55)



13. Heat transfer apparatus including a conduit for fluid, said conduit comprising a tube having upright metallic wire mesh fins extending outwardly therefrom, means for leading fluid to the interior of the conduit, and means for providing a flowing film of liquid over the fins, the last means comprising distributing members separate from the fins having substantially horizontal edges extending adjacent the fins and approaching the wire thereof in substantially abutting relationship in a downwardly sloping direction, said distributing members vertically overlapping each other but providing sloping passages between them, said wire mesh having its wires arranged to produce turbulence and uniform flow thereover.

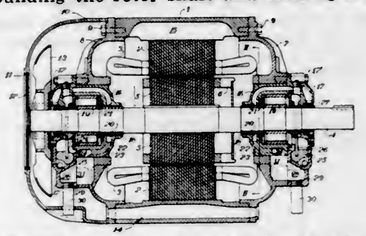
2,238,925

TOTALLY ENCLOSED DYNAMOELECTRIC MACHINE

John L. Brown, Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 21, 1938, Serial No. 230,962
8 Claims. (Cl. 171—252)

5. A dynamoelectric machine having a frame and end brackets which completely enclose the machine, a stator member supported in the frame, a bearing assembly mounted in each end bracket, a rotor member having a shaft supported for rotation in said bearing assemblies, each of the bearing assemblies comprising a bearing supporting element, a bearing mounted in said supporting element, and a bearing housing element surrounding the rotor shaft and forming a part



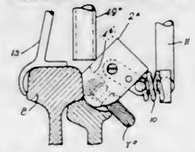
of the bearing assembly, one of said elements having a bore which closely encircles the shaft and a passage therethrough which communicates with the bore, the other of said elements and the end bracket having a channel extending through them which communicates with said passage, said channel including a chamber which has an opening to the air outside the machine.

2,238,926

WELDING

Charles A. Cadwell, Cleveland Heights, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio

Application October 22, 1936, Serial No. 107,051
Renewed April 19, 1939
2 Claims. (Cl. 22—203)



1. The method of joining the conductor of a rail bond to a rail which comprises holding said conductor in place by means of a suitable mold clamped against a surface of said rail and provided with an open cavity facing the rail and in which the end of said conductor is positioned and then filling said cavity by means of a stream of heated metal, the direction of flow of said stream of metal in said cavity being towards the said end of said conductor and in substantial alignment with the axis thereof.

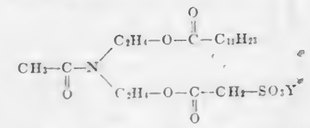
2,238,927

DERIVATIVES OF AMINES

Frank J. Cahn and Benjamin R. Harris, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 28, 1939, Serial No. 306,584
22 Claims. (Cl. 260—401)

16. Chemical compounds corresponding to the general formula

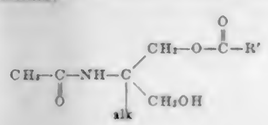


wherein Y is a cation selected from the group

consisting of the alkali metals, ammonium, and substituted ammonium cations.

2,238,928
DERIVATIVES OF AMINES
Frank J. Cahn and Benjamin R. Harris, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 12, 1940, Serial No. 318,526
31 Claims. (Cl. 260—404)

31. Chemical compounds corresponding to the general formula



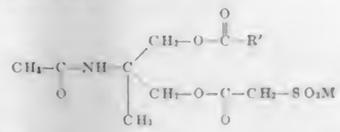
wherein



is a fatty acid acyl radical containing at least eight carbon atoms, and alk is a member of the group consisting of methyl, ethyl, propyl, and iso-propyl.

2,238,929
DERIVATIVES OF AMINES
Frank J. Cahn and Benjamin R. Harris, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 12, 1940, Serial No. 318,593
7 Claims. (Cl. 260—401)

7. Chemical compounds corresponding to the general formula



wherein

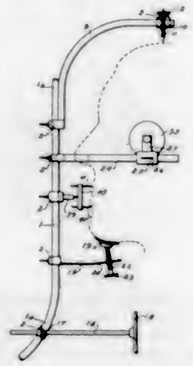


is a fatty acid acyl radical containing from twelve to eighteen carbon atoms, and M is a cation.

2,238,930
TREATMENT OF EARTH FORMATIONS
Leonard C. Chamberlain and Harold A. Robinson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 14, 1937, Serial No. 179,744
7 Claims. (Cl. 166—21)

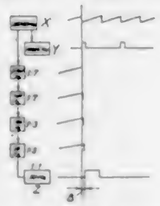
1. In a method of treating an earth or rock formation to produce a precipitate in the pores thereof by reacting therein a solution of a water soluble metal salt with an alkaline material, the step which consists in introducing into the said pores a stabilizing agent capable of preventing the precipitation at the usual pH value of such precipitation.

2,238,931
UNDERTAKER'S APPARATUS
John T. De Laney, Denver, Colo.
Application February 21, 1939, Serial No. 257,600
9 Claims. (Cl. 27—1)



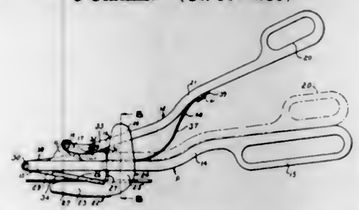
1. In apparatus of the class described, a base bar, plural pointed means carried by the bar adapted to engage the top of the skull of a subject, means adjustable along and lockable to the bar and adapted to engage the chin, whereby to clamp the subject's head and chin and said bar together in fixed interrelative positions, said bar extending beyond the chin and carrying adjustable means adapted to seat upon the subject's chest whereby to adjust the position of the head of the subject relative to its body.

2,238,932
SYNCHRONIZING DEVICE FOR TELEVISION SYSTEMS
Peter Deserno, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 29, 1940, Serial No. 326,566
In Germany March 18, 1939
4 Claims. (Cl. 178—69.5)



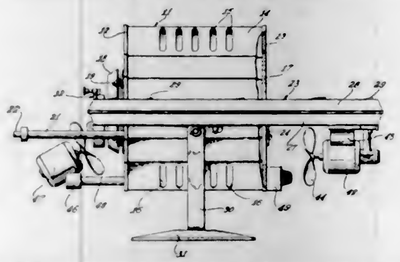
1. In an arrangement for generating synchronizing impulses in television systems for the production of a picture at a certain picture frequency and at a certain scanning line frequency, means for generating an initial frequency equal to said scanning line frequency or to a multiple thereof, a generator for producing this initial frequency, a generator for producing said scanning line frequency, a cascade comprising stages for reducing said initial frequency by subdivision in steps, and means under control of said initial frequency for imparting to the first of said cascade stages and to the said scanning line generator a phase shift adapted to compensate for a phase displacement due to the said cascade.

2,238,933
CUTTING IMPLEMENT
William F. Fischer, Altadena, Calif.
Application April 29, 1940, Serial No. 332,297
5 Claims. (Cl. 30—238)



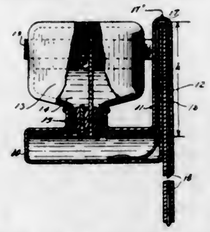
1. In a cutting implement, a lower handle member having an upstanding ear thereon, an upper handle member pivotally mounted on said ear, said lower handle member having aligned spaced tongues thereon for guiding said upper handle member, a shear member on said lower handle member and including a forwardly projecting sharpened portion spaced from said lower handle and an upwardly directed portion, said upwardly directed portion including a forward edge adapted to hold the cut material from the cutting blade and shear member, and a cutting blade pivotally mounted at its extreme forward end on the extreme forward end of the lower handle member, said cutting blade including an upwardly projecting portion having a pin thereon, said upper handle member having an elongated slot receiving said pin, said cutting blade having a lower cutting edge disposed adjacent said shear member.

2,238,934
SIGN PROJECTION APPARATUS
Maurice H. Goldberg, Chicago, Ill.
Application March 2, 1939, Serial No. 259,332
1 Claim. (Cl. 88—24)



In a projection apparatus, a lamp housing, condensing and object lenses supported by said housing adjacent the front end thereof, a guide frame mounted exteriorly of said housing in the field of said lenses, a separate second housing surrounding said lamp housing in air-separated relationship thereto, air vents in said lamp housing and in said second housing, an endless film enclosed within said second housing and adapted to be moved through said frame, a fan mounted exteriorly of said housings adjacent the rear end thereof for forcing air currents between said air-separated housings, a motor for driving said fan and said film, a second fan mounted exteriorly of said housings adjacent the front end thereof for forcing currents of air around said frame, against said lenses and between said housings, and a second motor for driving said second fan.

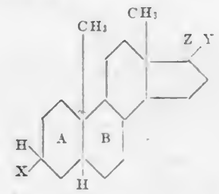
2,238,935
CONSTANT EVAPORATION PROCESS AND APPARATUS
Percy Wilcox Gumaer, West Englewood, N. J.
Application September 1, 1938, Serial No. 228,053
6 Claims. (Cl. 299—23)



1. The method of evaporating liquid, which comprises providing a shallow container for the liquid to be evaporated and a capillary member, and causing capillary flow of the liquid through the capillary member from the container at a substantially constant rate and an equal evaporation of the liquid at and within the range of two predetermined temperatures by folding the capillary member upon itself and arranging the capillary member with an end of one portion engaged in the liquid in the container and the bight at a predetermined height above the liquid in the container, determining the height of the bight of the capillary member above the liquid in the container by the surface tension, viscosity and density of the liquid in relation to the limiting temperatures at which the liquid is to be evaporated, sealing from the atmosphere the portion of the capillary member at one side of the bight having the end disposed in the liquid in the container and exposing the portion of the capillary member at the opposite side of the bight arranged of a length to extend to a point below the container and exposed to the atmosphere.

2,238,936
COMPOUNDS OF THE ETIO-CHOLANE SERIES
Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application March 25, 1937, Serial No. 132,973. In Germany March 26, 1936
7 Claims. (Cl. 260—397)

1. Compounds of the etio-cholane series having the general formula $C_{19}H_{28}XYZ$ and the structural formula



wherein the A and B rings are in the cis-position to each other, X and Y stand for a member of the group consisting of the hydroxyl group and groups that, upon hydrolysis, can be converted into the hydroxyl group, and Z represents a member of the group consisting of hydrogen and a hydrocarbon radical.

2,238,937
CLAMP ASSEMBLY
George H. Hufferd and Homer B. Stuart, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application July 15, 1939, Serial No. 284,741
1 Claim. (Cl. 287—62)



A rod and joint shank assembly comprising a rod having an internally threaded longitudinally slotted end portion, an externally threaded joint shank adapted for threading into said end portion, a pair of U-shaped metal ears of appreciable width having the ends of the legs thereof curved to fit around a portion of said rod, welds fixedly uniting each ear on an opposite side of said slot with the wide side walls of the ear in angular relation to the slot and with the outer edges of the ears in diverging relationship, said rod extending between the legs of each ear to cooperate with the ears for defining clamping bolt chambers isolated from the interior of the rod, and a clamping nut and bolt assembly extending through both chambers and across said slot to initially apply contracting forces to the bight of the ears due to the diverging outer edges thereof for exerting enhanced leverages for contracting the rod around the shank threaded therein to lock the shank in the rod.

2,238,938
PROCESS FOR THE PREPARATION OF NAPHTHAZARIN INTERMEDIATE
David X. Klein, Silverside Heights, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1939, Serial No. 275,155
3 Claims. (Cl. 260—396)

3. In the process for preparing naphthazarin intermediate in which it is obtained from the reduction mass in the form of the alkali metal salt, the steps which comprise heating the crude naphthazarin intermediate alkali metal salt in the form of the moist filter cake obtained from the reduction mass without drying in water at from 90 to 100° C. to permit the naphthazarin intermediate alkali metal salt to recrystallize, allowing the recrystallized naphthazarin intermediate alkali metal salt to settle while the impurities remain in suspension, and separating the substantially pure naphthazarin intermediate alkali metal salt from the suspended impurities.

2,238,939
BLASTING ASSEMBLY
Harold Arthur Lewis, Wilmington, Del., and Fred Raymond Wilson, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 21, 1939, Serial No. 252,116
7 Claims. (Cl. 102—5)

1. A blasting column assembly comprising a plurality of substantially cylindrical rigid watertight metal containers joined together end to end in a continuous rigid column, each of said containers being charged with a blasting composition susceptible to the action of water and relatively insensitive to shock characterized by a sensitiveness test of less than 7 inches, each of said containers being provided with connecting means including a projection at one end with external screw threads and a recess at the other end with internal screw threads, a primer unit joined to said column comprising a water-tight metal container having a recess at one end and charged with a cap-sensitive explosive relatively insensi-

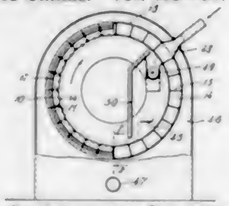


tive to shock, an initiator receptacle adapted to receive a commercial detonator disposed in the recess end of said primer container and a shield including a block disposed over said initiator receptacle at the end of said primer, said block being grooved to permit the passage of leg wires from detonators.

2,238,940
CONDENSATION PRODUCTS FROM HIGH MOLECULAR WEIGHT CARBOCYCLIC KETONES
Adrian Laverne Linch, Wilmington, Del., and Viktor Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1939, Serial No. 285,856
9 Claims. (Cl. 260—355)

1. The products obtained by the condensation of a high molecular weight carbocyclic ketone containing a condensed ring system comprising at least four benzene rings in which the keto carbon atom is part of a quinoid grouping, with an aliphatic compound of the class consisting of those of the olefine and paraffin series containing at least two carbon atoms, said condensation being carried out in hydrofluoric acid of at least 36% concentration, said products being solids and readily soluble in cold concentrated sulfuric acid.

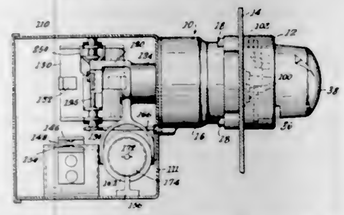
2,238,941
PREHEATING APPARATUS
Povl T. Lindhard, Rumson, and Einar Svendsen, Cranford, N. J., assignors to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application July 16, 1940, Serial No. 345,723
15 Claims. (Cl. 263—32)



1. In a preheater, means for supporting a layer of material while hot gases pass through it,

which comprises a pair of ribs lying side by side and having free edges, the ribs having lateral extensions formed with spaced cut-outs, a support for the ribs, a grate member resting on the ribs and having projections underlying the extensions, and a key piece at the end of the member preventing endwise movement thereof sufficient to bring the projections thereof into line with the cut-outs.

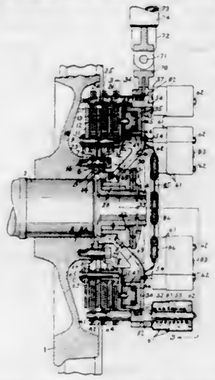
2,238,942
LOCK FOR LOCK CONTROLLED ALARMS
Jacob M. Marateck, New York, N. Y.
Application December 31, 1937, Serial No. 182,892
16 Claims. (Cl. 70—363)



1. In a lock, a casing, a plug rotatably disposed within the said casing, said plug having a lock bolt operating end projecting from the casing, a plurality of longitudinal channels formed on its surface intermediate its ends and a longitudinal passage leading from each of said channels through the front portion of the plug to the exterior thereof, a plurality of teeth annularly arranged upon the interior of said casing in two spaced rows forming grooves corresponding to the said channels, a plurality of blocks slidably arranged upon the said plug one within each of said channels, one or more of said blocks being normally in engagement with the forward row of said teeth and adapted to be slid out of engagement therewith and one or more blocks normally disposed within the space between the said rows of teeth, an arm extending from each of said blocks through one of said passages to the exterior of the plug and extending therefrom, all of said arms terminating in one plane, whereby one or more of the said blocks may be simultaneously and uniformly moved within the said channels relative to the said teeth.

2,238,943
BRAKE MECHANISM
Joseph C. McCune, Edgewood, and George K. Newell, near Pitcairn, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 31, 1939, Serial No. 253,771
19 Claims. (Cl. 188—153)

1. A brake mechanism for a wheel and axle assembly of a railway vehicle truck comprising a support member disposed beyond one end of said assembly and secured to a wheel of said assembly for rotation therewith, an assembly of annular friction brake elements comprising a rotatable brake element secured to said member for rotation with said wheel and a non-rotatable brake element disposed to frictionally engage said rotatable element for braking said wheel, an annular brake cylinder device disposed at one end of said assembly of brake elements and connected to said non-rotatable element for actuating same, a structure journaled on said member supporting said non-rotatable element and brake cylinder device, and means securing said brake cylinder



device to said member against axial movement thereon.

2,238,944
CONCRETE CONVEYING APPARATUS
Walter Muller, Dunellen, and William H. Reimann and Andrew Johnson, Plainfield, N. J., assignors to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey
Application May 24, 1938, Serial No. 209,654
16 Claims. (Cl. 198—59)



1. In apparatus of the character indicated, a hollow open ended piston-like device constructed and arranged to receive materials, power means for reciprocating the same, a cylindrical member in which said device reciprocates, a receptacle for material to be conveyed having a discharge opening therein, said cylindrical member being in communication with the discharge opening of the receptacle and said device being mounted to reciprocate across said receptacle opening.

2,238,945
FURRING NAIL
David Powell, Los Angeles, Calif.
Application November 5, 1938, Serial No. 239,151
5 Claims. (Cl. 72—118)

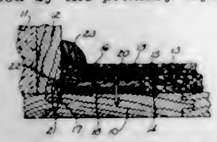


1. A wire fastener comprising, a nail in combination with a drum comprising two identical cup-shaped members forced on to the nail with their rims intercontacting, one member having crenelations for seating the wire.

2,238,946
CARPET FASTENER
Roy M. Roberts, Los Angeles, Calif.
Application April 11, 1938, Serial No. 201,265
8 Claims. (Cl. 16—16)

1. A carpet fastener comprising: a plurality of layers of material constituting a laminated strip adapted to lie along a floor and to be anchored thereto, one of said layers being a pri-

mary layer providing one face of the strip, the remaining layers being secondary layers, said primary layer being made of wood with the grain thereof running lengthwise of the strip, whereby the secondary layers may be cut into segments interconnected by the primary layer to increase



the flexibility of the strip locally whereby the various segments may be given sufficient freedom to conform with irregularities in the floor; and a plurality of carpet-engaging means extending upward from said strip.

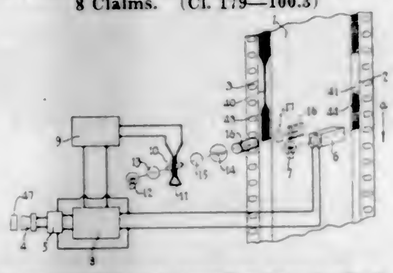
2,238,947

SOUND RECORDING SYSTEM

Oscar A. Ross, New York, N. Y.

Application July 15, 1937, Serial No. 153,773

8 Claims. (Cl. 179—100.3)



1. The method of recording sound which involves, recording a sound wave record corresponding to variations of both frequency and amplitude of sound onto a uniformly advanced record member, simultaneously recording a sound amplitude record corresponding to amplitude variations of said sound onto said record member independently of said sound wave record, utilizing said sound wave record for re-recording a second sound wave record thereof onto another record member advanced synchronously with said named record member, and utilizing said sound amplitude record for arbitrarily varying the amplitude of said re-recorded sound wave record with respect to the sound amplitude of said first named sound wave record.

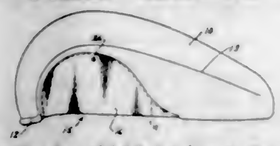
2,238,948

FENDER SKIRT ATTACHING MECHANISM

George W. Schatzman, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application January 9, 1939, Serial No. 249,929

9 Claims. (Cl. 280—153)



6. In a fender shield having a panel, means for holding the lower part of said panel against a fender and for resiliently supporting said panel, and means near the upper part of said panel for embracing the edge of a wheel access opening in said fender, a cam on the back of said panel rotatable in a plane approximately parallel to the plane of said panel and having a surface for engaging and pressing up on the edge of said wheel access opening, said cam being shaped so that no portion thereof rises up in front of said fender when said surface is in engagement with said edge whereby said cam and the upper part of said panel may readily slide back with respect to said fender.

2,238,949

PROCESS OF MODIFYING THE ELECTROCHEMICAL PROPERTIES OF SHAPED ARTICLES

Paul Schlack, Berlin-Treptow, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application February 3, 1937, Serial No. 123,867. In Germany February 6, 1936

4 Claims. (Cl. 8—113)

1. The process of increasing the basic character of fibrous materials and films comprising a material containing a radical selected from the group consisting of the imino, and amino groups, which process comprises reacting said fibrous materials and films with a compound selected from the group consisting of a cyclic isourea ether, an acyclic isourea ether, a cyclic isothiourea ether, and an acyclic isothiourea ether, whereby said compounds react with said imino- or amino-group of the fibrous materials or films to form a residue containing the group



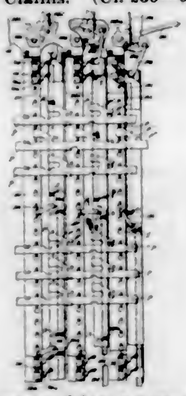
2,238,950

VOTING MACHINE

Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware

Application September 5, 1940, Serial No. 355,436

2 Claims. (Cl. 235—51)



1. In a voting machine, a row of voter actuatable spindles, an arm fixed to each spindle, a bar parallel to said row of spindles, a ladder-like member attached to said bar for adjustment thereon between a first position and a second position differently spaced from said row of spindles, the rungs of said ladder-like member in said first position of adjustment of said member being in engaging relation to said arms and being out of engaging relation to said arms in said second position of adjustment, means supporting said bar for longitudinal movement to remove the rungs of said member, when in its first position of adjustment, out of said engaging relation to said arms, and means for effecting longitudinal movement of said bar.

2,238,951

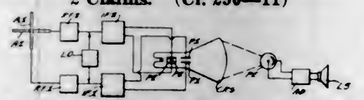
DIRECTION FINDER MONITOR

Sidney Bertram Smith and Roland John Kemp, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware

Application November 15, 1938, Serial No. 240,446

In Great Britain December 16, 1937

2 Claims. (Cl. 250—11)



1. A direction finding radio receiver including a pair of directional antennas arranged for directive reception throughout 360°, a pair of amplifiers respectively connected to said directional antennas, a cathode ray tube including pairs of deflecting elements, means connecting said amplifiers to said pairs of elements to thereby indicate the bearing of the source of signals received on said antennas as a function of the cathode ray trace, a monitoring indicator, a photoelectric cell, and means connecting said monitoring indicator to said photoelectric cell, said photoelectric cell being so located with respect to said cathode ray tube that light from said trace is applied thereto irrespectively of the indicated bearing of said received signals.

2,238,952

NONFREEZING HEATER

Alfred E. Stacey, Jr., Essex Fells, N. J., assignor to Buensod-Stacey Air Conditioning, Incorporated, New York, N. Y., a corporation of Delaware

Application May 11, 1939, Serial No. 272,983

18 Claims. (Cl. 257—46)



1. A heat exchange device comprising a main heat transfer conduit over which a medium to be heated may be passed, such main conduit being adapted for open communication at one of its ends with a source of steam and at its other end with a condensate drain; and a smaller conduit disposed within the larger one, such smaller conduit being open at both of its ends, and being adapted to provide a substantially unrestricted path for steam through that part of the main tube wherein freezing of condensate is liable to occur.

2,238,953

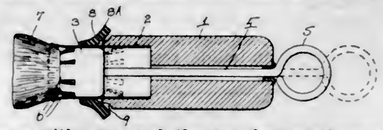
LIQUID APPLICATOR

Herman W. Steinmetz, Rochester, N. Y.

Application January 29, 1940, Serial No. 316,096

2 Claims. (Cl. 15—184)

1. In a liquid applicator the combination of a sleeve, a compressible and expandible combined absorbing and brushing element projecting from said sleeve and comprising a substantially cylindrically formed natural sponge member made up of a plurality of substantially parallel layers having their fibers and passages arranged substantially longitudinally, and axially parallel to the brushing element and held compressed in said



sleeve with one end thereof for maximum circumferential expansion with minimum longitudinal expansion of the combined absorbing and brushing elements so as to substantially preserve the face of the brushing element on the absorption of liquid thereby except for the circumferential expansion thereof.

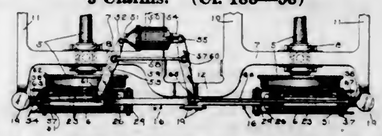
2,238,954

BRAKE MECHANISM

Carlton D. Stewart, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 18, 1938, Serial No. 241,127

3 Claims. (Cl. 188—58)



1. In a brake equipment for a railway truck including two wheel and axle assemblies and a frame having journaled support thereon, in combination; movable carrier members longitudinally disposed in pairs on each side of the truck and resiliently supported thereby; brake drums carried by said wheel and axle assemblies outwardly of the wheels and beneath said carrier members, respectively; brake means associated with each of said drums individually comprising a top shoe mounted on the adjacent carrier member above the drum, a pair of clasp shoes hung from said member below the horizontal center line of the drum, and means including a substantially vertical brake shoe lever movable toward the center of the truck to control the initial application of said pair of shoes to the drum and the resultant application of said top shoe thereto; and separate operating means each common to the pair of drum brake mechanisms on one side of the truck and comprising a brake cylinder device mounted on the frame inboard of the wheels, a transversely disposed live brake cylinder lever having an inner end connected to the piston rod of said brake cylinder device, a similarly disposed dead brake cylinder lever having its inner end fulcrumed on said brake cylinder device, a tie rod connecting said levers intermediate their ends, and pull rods operatively connecting the outer ends of said live and dead levers to the upper ends of the said vertical brake shoe levers, respectively.

2,238,955

PREGNENDIONES AND A METHOD OF PRODUCING THE SAME

Lothar Strassberger, Berlin-Wilmersdorf, Germany, assignor, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application December 28, 1936, Serial No. 117,879. In Germany December 30, 1935

11 Claims. (Cl. 260—397)

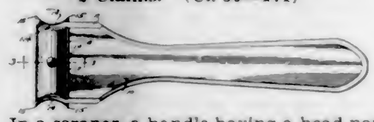
1. Process for the production of pregnendiones

comprising subjecting a member of the group consisting of Δ_4-pregnendiol halide and dihalide to the action of an oxidizing agent capable of transforming a secondary alcohol group into a keto group, and subsequently treating the oxidation product with an agent capable of removing halogen or halogen halide, respectively, to restore the double bond.

2,238,956
VINYL RESIN EMULSION
Cornelle O. Strother, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application June 7, 1938, Serial No. 212,288
12 Claims. (Cl. 260—32)

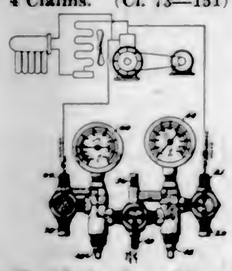
1. As a coating composition, a stable emulsion comprising a disperse phase, said disperse phase being a thixotropic solution of a vinyl resin in a liquid composition including both a solvent and a non-solvent for the resin, and an aqueous continuous phase containing an emulsifying agent; said vinyl resin being substantially identical with that resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of an aliphatic acid.

2,238,957
SCRAPER
Harry H. Warner, Minneapolis, Minn.
Application April 15, 1939, Serial No. 268,134
2 Claims. (Cl. 30—171)



2. In a scraper, a handle having a head portion which in section longitudinally of the handle is approximately crescent-shaped, the concave and convex surfaces of which intersect at the extended end of the crescent, a concavo-convex cylindrical scraper seated in the concave surface of said crescent, a concavo-convex reinforcing plate seated on the convex surface of said crescent with a projecting edge engaging the extended portion of said scraper blade, and clamping means rigidly connecting said scraper blade and reinforcing plate to said crescent, said head having a stop shoulder engageable with the rear edge of said reinforcing plate to limit the backward movement thereof.

2,238,958
REFRIGERANT TESTING DEVICE
Weaver R. Wells, Trinidad, Colo.
Application February 23, 1939, Serial No. 257,849
4 Claims. (Cl. 73—151)

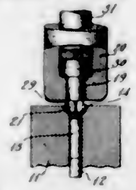


1. In a testing device for refrigerating systems or the like, in combination, a body, a valve chamber formed in said body, a second valve chamber formed in said body and spaced apart from said first chamber, a high pressure gauge on said body communicating with said first valve chamber, a low pressure gauge on said body communicating with said second valve chamber, an observing chamber in said body permanently communicating with said first valve chamber, at least one fitting on said body communicating with said observing chamber, a second observing chamber in said body permanently communicating with said second valve chamber, a second fitting on said body communicating with said second observing chamber, a third observing chamber in said body having a passage extending therefrom to said first valve chamber and a second passage extending therefrom to said second valve chamber, a third fitting on said body communicating with said third observing chamber, a valve in said first valve chamber adapted in one position to isolate its chamber from said high pressure gauge and adapted in another position to isolate its chamber from said third observing chamber, a valve in said second valve chamber adapted in one position to isolate its chamber from said low pressure gauge and adapted in another position to isolate its chamber from said third observing chamber, a fitting on said body communicating with said high pressure gauge, and a fitting on said body communicating with said low pressure gauge.

2,238,959
PROCESS FOR THE PREPARATION OF NAPHTHAZARIN INTERMEDIATE
Myron S. Whelen, Riverside Gardens, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1939, Serial No. 275,156
3 Claims. (Cl. 260—396)

1. In the process for preparing naphthazarin intermediate from 1,5-dinitro-naphthalene in acid solution the step which comprises precipitating the naphthazarin intermediate as the alkali metal salt while the solution is maintained at a sufficiently low temperature to prevent the conversion of the naphthazarin intermediate to naphthazarin in dilute acid by rendering the reaction mass slightly alkaline with an alkali metal compound.

2,238,960
METHOD OF PRODUCING SOCKETED ARTICLES
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application September 1, 1938, Serial No. 227,892
14 Claims. (Cl. 10—10)

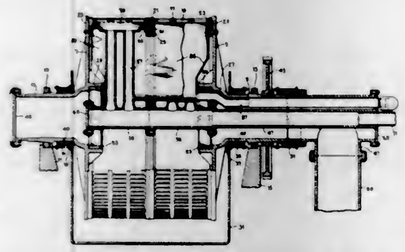


1. The method of making a socketed head blank, which consists in upsetting the portion of the blank to be socketed, the shape of which in cross section is different than that of the upset portion of the finished blank, punching an oversize socket therein, and by which the said cross sectional shape is changed, and then giving said upset portion its finished shape and reducing the size of the socket.

2,238,961
DYESTUFF OF THE ANTHRAPYRIDONE SERIES
Alexander J. Wuertz, Villa Monterey, Del., and William Dettwyler, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 10, 1938, Serial No. 224,118
1 Claim. (Cl. 260—278)

The product obtained by condensing two moles of 4-amino-N-methylanthrapyridone with one mole of 2:6-dichloroanthraquinone which dyes cotton from the usual alkaline hydrosulfite vat in bright bluish red shades of good strength and fastness properties.

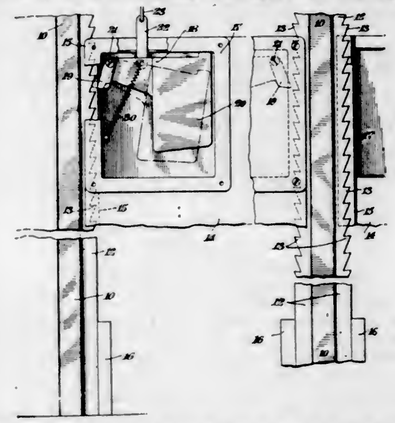
2,238,962
FILTER
Frank W. Young, Upper Montclair, N. J.
Application September 30, 1938, Serial No. 232,508
4 Claims. (Cl. 210—201)



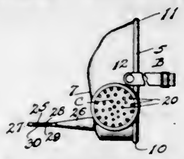
1. A continuous filter comprising a filter drum, filtering medium covering the drum periphery, hollow trunnions carried thereby and in communication with the drum interior, bearings in which said trunnions rotate, means to create subatmospheric pressure in a trunnion and thereby in the drum interior to evacuate liquid and gas from the drum interior, and means to deliver a gaseous medium to the interior surface of the drum comprising a plurality of interchangeable tubular members having connecting means at each end, at least one conduit extending therefrom and a shoe in communicating connection with the free end of the conduit means formed with a passage in register with the conduit, said shoe being of an arcuate length to extend downwardly below the trunnion.

2,238,963
SAFETY LATCH
Harry Bayer, Valley Stream, N. Y., assignor to New York Silicate Book Slate Co. Inc., New York, N. Y., a corporation of New York
Application March 10, 1939, Serial No. 260,923
2 Claims. (Cl. 20—19)

1. In a wardrobe, a vertically slidable door, a guide for each vertical edge of the door having ratchet teeth, a housing at each upper corner of the door having a top aperture and a side aperture adjacent a guide, a ratchet member in each housing pivotally supported on a horizontal axis near the upper outer corner of said housing, a projection on said member adapted to extend through said side wall aperture into engagement with said ratchet teeth, said member having a body portion extending substantially the full width of said housing and constituting gravity means for swinging said member to locate said projection in position to engage said ratchet teeth, a link extending through said top aperture and connected at its inner end to the body portion of said latch member, and a cable attached to the remaining end of said link, said latch member having its body portion engageable with the top of said housing to transmit pull from said cable to said door.

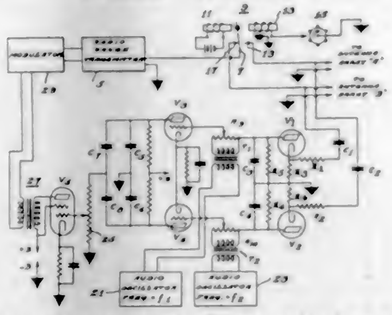


2,238,964
RESPIRATOR
Nicholas K. Benos, Salt Lake City, Utah
Application September 1, 1939, Serial No. 293,077
1 Claim. (Cl. 128—146)



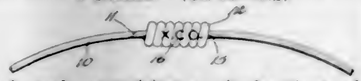
A mask of the class described comprising, an oval-shaped body adapted to fit over the bridge of the nose and under the chin of the wearer; a chin strap secured from edge to edge of said body to fit against the face of the chin and prevent the body of the mask from being pressed back against the features of the wearer; an exhaler tube mounted centrally at the front and lower side of the mask; a relief valve secured onto said tube, said valve having its end tapered down to form horizontal side walls with slots along each side thereof and with the end closed, said valve to extend forwardly from the body of the mask to prevent its coming into contact with the clothing or body of the wearer when his head is bent, said valve to permit exhaust of breath from the mask and prevent intake thereinto; air cleaner cylinders mounted on each side of the mask, said cylinders being small in diameter so that they will not engage the face of the wearer; a removable cover for said cleaners having its face perforate; a filter fabric carried in said cover; and a sponge carried in said cylinder to be moistened to catch dust and prevent gases from entering the lungs of the wearer.

2,238,965
RADIO RANGE
Donald S. Bond, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1939, Serial No. 270,829
5 Claims. (Cl. 250—11)



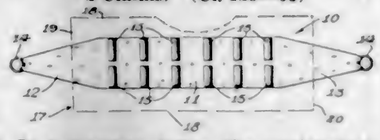
5. A radio range including a radio frequency power source, a pair of transmission lines, means alternately connecting one then the other of said lines to said source for applying said radio frequency power to first one, then the other, of said lines, a modulator including connections to said power source, a source of current of frequency f_1, a source of current of frequency f_2, a pair of channels for applying said currents of frequency f_1, f_2 alternately to said modulator, and means responsive to the radio frequency power applied to said lines for synchronizing the application of the modulation currents to said source with the application of the radio frequency power to said lines.

2,238,966
SEAL
Bruce Borland, Chicago, Ill.
Application February 4, 1939, Serial No. 254,609
3 Claims. (Cl. 40—2.2)



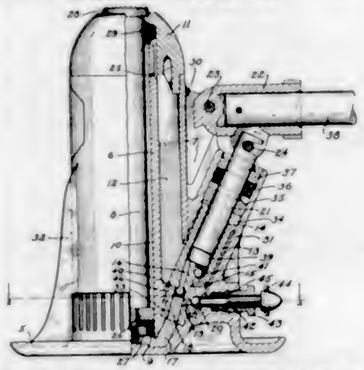
2. A seal comprising a single piece of wire sharpened at one end and having a substantially closed helical coil at the opposite end in which the sharpened end is positioned, said coil being flattened and providing substantially uninterrupted flat sides, said flattened sides being marked with identifying marks impressed therein.

2,238,967
MASSAGE DEVICE
Jack E. Brown, Brooklyn, N. Y.
Application June 24, 1938, Serial No. 215,522
2 Claims. (Cl. 128—63)



1. In a massage device, the combination of a strip of flexible material, two rows of massage abutments carried upon one face thereof, one upon each side of the medial line of the strip, and a sheet of flexible material to form a cover for the first strip having its longitudinal edges parallel and substantially abutting on the medial line of the first strip, whereby when the first strip is folded longitudinally upon its medial line the abutting ends of the flexial material are disposed between the folded portions of the first strip.

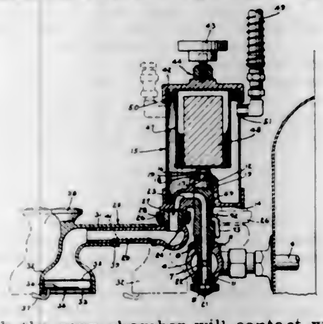
2,238,968
HYDRAULIC JACK
Herbert P. Brumder, Chenequa, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application August 15, 1938, Serial No. 224,881
3 Claims. (Cl. 60—52)



1. A jack comprising, an upwardly extending plunger barrel and an annular reservoir formed integral with and surrounding said barrel, said barrel and reservoir having an inclined upwardly open socket in open communication at its medial portion with said reservoir and the lower end of which communicates directly with the lower extremity of said barrel through a large passage formed concentric with the socket, a pump cylinder having opposite ends slip fitted within the lower and upper ends of said socket and being provided with a central piston bore, one side of the bottom of said piston bore being connected with said concentric passage by a rectilinear port having a discharge valve therein and the other side of said bottom being connected to said reservoir by an angular port having a suction valve therein while the portion of said rectilinear port between said discharge valve and said passage communicates through an outwardly directed by-pass port having a by-pass valve therein directly with said reservoir, all of said ports being formed wholly within said cylinder and lying in a common plane, and means operable from the exterior of said reservoir for manipulating said by-pass valve.

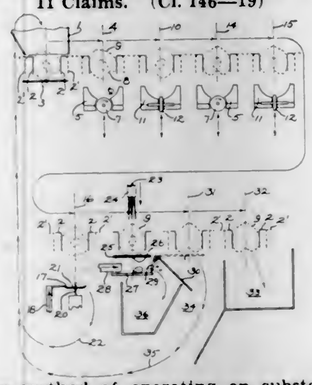
2,238,969
DISHWASHING APPARATUS
Vernon J. Butterfield, Minneapolis, Minn., assignor of one-half to John R. Ware, Hennepin County, Minn.
Application May 10, 1938, Serial No. 206,988
4 Claims. (Cl. 299—84)

3. In a water dispensing fixture for sinks comprising hot and cold water faucets having a connection therebetween, a post supported in said connection and having a longitudinal bore communicating with the interior of said connection, the upper end of said post being tapered, a casing having a soap chamber therein, said casing having a tapered bore in a wall thereof adapted to receive the tapered end portion of the post, a hose having one end connected to the upper portion of the casing, a port in a wall of the casing adapted to be moved into registration with the bore in said post whereby water may be passed through the soap chamber and be discharged from said hose, means for supporting soap in the soap chamber and whereby the water passed



through the soap chamber will contact with the soap before it discharges from said hose, a dispensing spout in the lower portion of the casing, and valve means made operable by relative rotation of the casing on said post, thereby to selectively control the discharge of clear or soapy water from the fixture.

2,238,970
METHOD AND APPARATUS FOR ORIENTATING, PITTING, AND INSPECTING CHERRIES
Ellsworth W. Carroll, San Francisco, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application August 21, 1939, Serial No. 291,136
11 Claims. (Cl. 146—19)



1. The method of operating on substantially spherical indented fruit to produce only fruit pitted through a predetermined axis and free from pits, which comprises subjecting unpitted fruit in heterogeneous positions to positive rotational forces tending to orientate improperly positioned fruit, holding the fruit in the positions attained as a result of the action of said forces, mechanically sensing the stem indent position of said fruit as held to cause automatic release of improperly orientated fruit, pitting the remaining properly orientated fruit in orientated position, holding the fruit in orientated position after pitting, and mechanically inspecting said fruit for pits without disturbing the orientation of properly pitted fruit.

8. In a fruit handling machine the combination of means for continuously progressing fruit such as cherries through the following stages in succession:

Stage 1 comprising means for rotating a cherry in a predetermined plane;

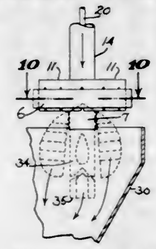
Stage 2 comprising means for rotating fruit in another plane, each of Stages 1 and 2 including means for causing cessation of rotation when said stem indent reaches a predetermined position;

Stage 3 comprising automatic means for rejecting improperly orientated fruit while held with said indent in said predetermined position;

Stage 4 comprising means for subjecting the properly orientated fruit in orientated position to the action of a pitting knife;

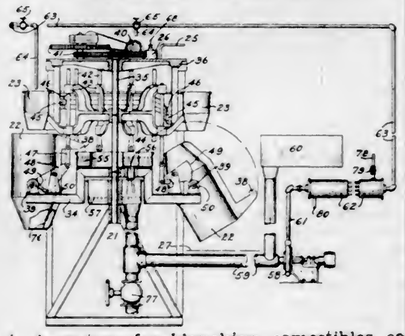
Stage 5 comprising automatic means for rejecting improperly pitted fruit without disturbing properly orientated fruit.

2,238,971
MECHANICAL FRUIT DICER
Ellsworth W. Carroll, Charles Lachman, and Paul Wormser, San Francisco, Calif., assignors to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application October 6, 1939, Serial No. 298,248
12 Claims. (Cl. 146—40)



1. Method of cutting fruit having a core which comprises engaging and cylindrically cutting the blossom end of said fruit in line with the core into core material, cutting the core away from the remainder of the fruit leaving the core and engaged portion as a unit, cutting the core from the engaged portion, and saving and dicing the engaged portion.

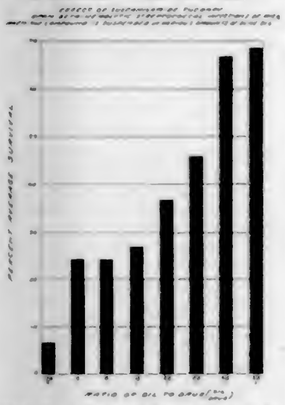
2,238,972
BLANCHER
Frank D. Chapman, Berlin, Wis.
Application February 12, 1940, Serial No. 318,488
16 Claims. (Cl. 53—18)



1. A system for blanching comestibles com-

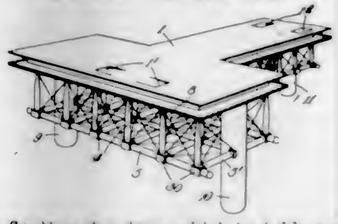
prising, means for transporting segregated batches of the material along a definite path, and means for circulating heating medium through each of said batches for a predetermined period of time during advancement thereof.

2,238,973
SULPHONAMIDE COMPOUND IN OIL
David R. Climenko, Ellsmere, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application July 26, 1940, Serial No. 347,638
6 Claims. (Cl. 167—65)



1. A therapeutic composition for oral administration which comprises a sulphonamide compound having therapeutic properties and a fatty substance of the group consisting of oils, fats, and glycerides contained therein, in which the ratio of the fatty substance to the sulphonamide compound is at least 20:1.

2,238,974
FLOATING STRUCTURE, STATION, AND SEADROME
Frederick George Creed, Croydon, England, assignor to Floating Stations Limited, London, England, a British company
Application February 11, 1939, Serial No. 255,832
In Great Britain August 30, 1938
5 Claims. (Cl. 114—43.5)

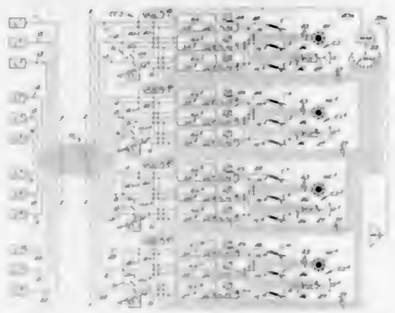


1. A floating structure, which is stable and substantially immobile in agitated water, comprising an assembly including a deck, a frame of evenly distributed buoyant bodies, a series of vertically arranged tubular bodies between said buoyant frame and said deck, and cylindrical stabilizing elements disposed in a vertical position on three points of said buoyant frame so as to project upwardly therefrom to the three corners of an imaginary triangle coinciding with the extremities of said desk, said assembly having a buoyancy whereby said deck is supported at a level above the crest of the greatest possible wave, said buoyant frame is wholly submerged at a level below the trough of the greatest wave and tends to sink on the passage of a wave crest, said tubular bodies are partly submerged and tend to rise at the passage of a wave crest, and said cylindrical elements are partly submerged, the latter having open lower ends extending down deeply into quiet water and being adapted to receive water up to about the normal water level, said buoyant frame and tubular bodies being so dimensioned that the sinking tendency of the frame is counterbalanced by the rising tendency of the tubular bodies.

2,238,975
PLASTIC COMPOSITION
John T. K. Crossfield, Brooklyn, N. Y.
No Drawing. Application October 1, 1938, Serial No. 232,880
4 Claims. (Cl. 260—746)

1. The process of forming a plastic composition of the character described which comprises adjusting the hydrogen ion concentration of rubber latex to a value between 11.1 and 11.4 pH, and then mixing therewith a cement selected from the group consisting of aluminous cement and Portland cement to form a pasty mass.

2,238,976
REMOTE CONTROL SOUND RECORD REPRODUCING SYSTEM
Fred A. Hadel and Rea J. Thompson, Los Angeles, Calif., assignors of one-half to Carl F. Huebotter, Los Angeles, Calif.
Application July 29, 1940, Serial No. 348,250
21 Claims. (Cl. 179—6)

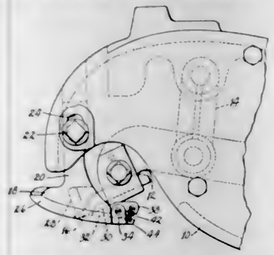


1. In a record-playing system of the character described for use in a two-conductor telephone circuit, the combination of: a first microphone; a first one-way amplifier connected to receive and amplify signals from said first microphone and connected to one end of said circuit for transmission of said signals thereover; a first speaker; a second one-way amplifier connected for reception and amplification of signals from said one end of said telephone circuit and transmission of said signals to said speaker, said microphone, speaker and amplifiers being grouped at a location station; a third one-way receiving amplifier connected to the other end of said circuit; a fourth one-way receiving amplifier connected to said other end of said circuit; a speaker connected to the out-put end of said third amplifier; and a sound-record-reproducing means connected to the input end of said fourth amplifier.

2,238,977
PRODUCTION OF CELLULOSE DERIVATIVE CUT STAPLE FIBERS
Wallace T. Jackson and Henry R. Childs, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 16, 1937, Serial No. 164,204
11 Claims. (Cl. 18—54)

1. The method of making crimped cellulose organic derivative cut staple fibers having a high resiliency and capable, when fabricated into textile products, of retaining their resiliency and crimp under normal conditions of use resembling that of natural wool, which comprises forming filaments of irregularly rounded cross-section from a cellulose organic derivative dope containing a glycerol ester of an aliphatic acid having three to four carbon atoms, removing the solvent therefrom but substantially retaining the glycerol ester therein, cutting the filaments into staple lengths and subjecting the cut staples to the action of boiling water.

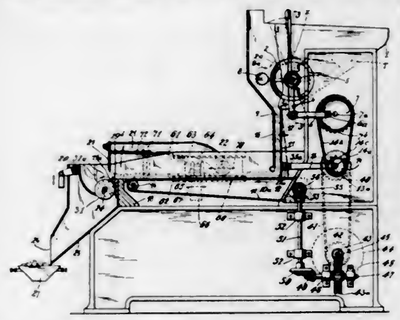
2,238,978
FASTENING PULLING MACHINE
Arthur S. Johnson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 13, 1940, Serial No. 345,343
5 Claims. (Cl. 12—16)



1. A fastening pulling machine comprising a tool movable in an orbital path, a work rest having a portion thereof extending along the path of the tool, and a guard positioned beneath the path of the tool and mounted upon the work rest for movement away from the tool upon the occurrence of an obstruction between the tool and the guard.

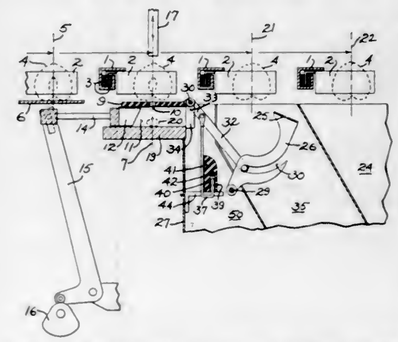
2,238,979
TOBACCO GUIDING MACHINE
Kurt Adolf Körber, Dresden-Oberloschwitz, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application October 11, 1938, Serial No. 234,477
In Germany October 18, 1937
2 Claims. (Cl. 131—109)

2. In a tobacco guiding machine, the combination of a tobacco spreader, a spiked roller for the spreader, a supporting member extending above the spiked roller, a wiper above the roller and pivotally supported in said member, a conduit below the roller for receiving tobacco from the wiper and roller, said conduit being formed by an openable and pivoted wall and another wall, said pivoted wall extending beyond the other wall of the conduit, a conveyor belt substantially in contact with said openable and pivoted wall to receive tobacco from the conduit, said tobacco being moved by the pivoted wall in the direction of movement of the conveyor, means for moving



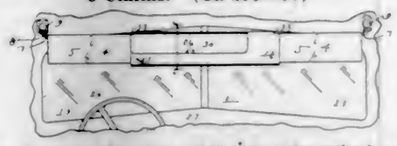
the wiper to and fro in respect to the roller, means for moving to and fro the openable and pivoted wall of the conduit, and common actuating means for the last two named means.

2,238,980
ELECTRICAL MONITOR AND CIRCUIT
Herbert E. Metcalf and Ellsworth W. Carroll, San Francisco, Calif., assignors to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application January 3, 1940, Serial No. 312,189
5 Claims. (Cl. 192—125)



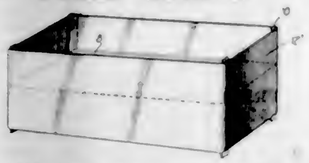
1. In a fruit pitting machine having a frame carrying a plurality of pivoted inspection members moved by the presence of a pit after a pitting operation to select the fruit from which said pit was expelled, said members being returnable to alined resting positions by gravity, a downwardly depending arm attached to each of said members and movable therewith, a single movable counterweight extending across and supported by said arms when in fruit selecting positions, said counterweight being a conductor insulated from said frame, the supporting contact of said arms therewith being with said conductor, stop means positioned to support said counterweight in a position short of the final resting position of said arms thereby disconnecting all of said arms from said conductor when said arms properly return to resting position, and electrical circuits indicating any contact of arm and conductor after said members and arms should have reached resting position.

2,238,981
SCREEN STRUCTURE
Elwood Burton Newell, Grand Rapids, Mich.
Application September 18, 1940, Serial No. 357,272
8 Claims. (Cl. 296—97)



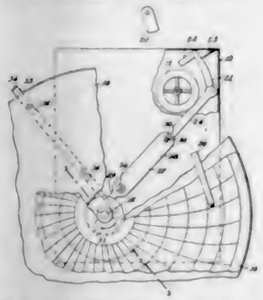
1. A screen structure of the class described comprising: a mounting including a horizontal bar; a sheet screen slidable edgewise on the bar, wrapped therearound and adapted to be unwrapped into screening position.

2,238,982
BED FOR DOGS OR THE LIKE
Chester H. Norton, Bronxville, N. Y.
Application April 15, 1939, Serial No. 268,092
9 Claims. (Cl. 119—1)



1. A bed for animals comprising in combination front and back members, a spacing member detachably engaging said front and back members, a loop of flexible material encircling said members and holding the same together in the form of a framework, upright members secured to the ends of said front and back members and a wall member of flexible material enclosing said uprights.

2,238,983
CHART MECHANISM FOR RECORDING INSTRUMENTS
Walter S. Parsons, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application July 26, 1939, Serial No. 286,514
3 Claims. (Cl. 234—75)



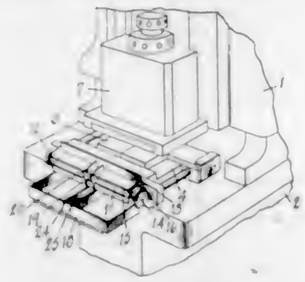
1. Means for controlling in a graphic instrument a timing device for a chart-carrying element associated with a marking member for inscribing a record on the chart, said means including an element for inhibiting the action of said timing device to bring the same to rest, a spring normally restraining the inhibiting element from operating to inhibit said action, a lever for actuating said element in opposition to said spring, said lever being substantially rigid in its normal plane of action and adapted to yield in a sense perpendicular to said plane, a member moving with said chart-carrying element in definite predetermined relationship to a selected time-position on said chart, and adapted to engage said lever to deflect it in its normal plane of action in opposition to said spring, whereby said chart may be brought to rest with said selected time position in a definite relationship to said marking member, and manually actuated means to displace a part of said lever perpendicularly to said plane, said lever yielding to permit such displacement and thereby being disengaged from said moving member and rendering said inhibiting element inoperative.

2,238,984
CURTAIN ROD
Fred W. Richardson, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application June 17, 1940, Serial No. 340,875
8 Claims. (Cl. 156—20)



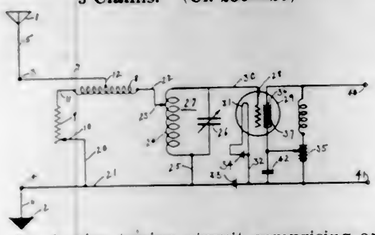
8. The combination of a pair of hollow telescoping curtain rod sections and a member embracing the smaller of said telescoping sections and having wedging means thereon adapted to wedge between the inner and outer telescoping sections to lock them in adjusted extended position.

2,238,985
INKING MECHANISM FOR INTAGLIO PRINTING PRESSES
Arthur Rosenthal, Grand Rapids, Mich., assignor to Rose Patch & Label Co., Grand Rapids, Mich.
Application September 11, 1939, Serial No. 294,273
6 Claims. (Cl. 101—163)



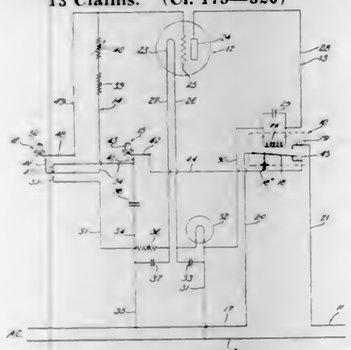
6. In an intaglio printing press having a split fountain, a doctor bar for scraping the die after each inking thereof, a scraper for said doctor bar, means for moving said scraper across said doctor bar along the line of division of said split fountain between die scraping operations, and means to receive the ink scraped from said doctor bar by said scraper comprising containers spaced from one another on opposite sides of the line of division of said split fountain.

2,238,986
ELECTRIC WAVE SYSTEM
Philip John Walsh, San Francisco, Calif.
Application December 5, 1939, Serial No. 307,629
3 Claims. (Cl. 250—20)



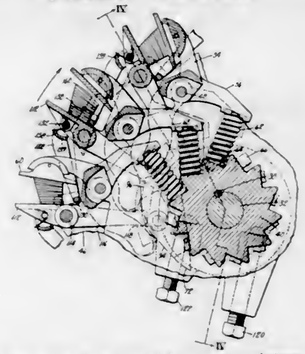
1. A selective tuning circuit comprising an inductance comprising two mutually inductive equal sections, a parallel-resonant circuit connected to one end of said inductance, a non-resonant circuit connected to the other end of said inductance and to said parallel-resonant circuit, input terminals at the junctions of said sections and of said resonant and non-resonant circuits respectively, and output terminals across said parallel-resonant circuit.

2,238,987
ELECTRIC TIME DELAY DEVICE
Frederick G. Albin, Los Angeles County, Calif., assignor to Hollytech Incorporated, Los Angeles, Calif., a corporation of California
Application December 29, 1938, Serial No. 248,264
13 Claims. (Cl. 175—320)



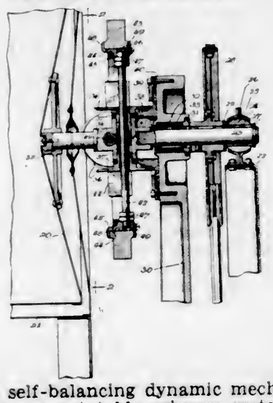
1. In an electrical timing device, an electron discharge device having a cathode, an anode and a control element, a source of alternating potential for the cathode, a circuit from said source to the anode, a relay connected in said circuit to be controlled by the anode current, a circuit from said source to the control element, means associated with the power source and affecting the phase relation of the potentials applied to said circuits so that the potentials imposed on the anode and control element are in opposite phase relations with respect to the cathode during some part of the cycle, a condenser in the last named circuit adapted to build up sufficient potential in the said last named circuit and control element to normally maintain the potential in the first named circuit so low that the relay is idle, means for momentarily discharging the condenser to cause operation of the relay, and means operated by the relay reestablishing the condenser in its charging relation so that the relay may remain operated for the period required for the condenser to build up its normal charge.

2,238,988
HEEL-MAKING MACHINE
Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 22, 1939, Serial No. 263,453
8 Claims. (Cl. 12—50)



1. A heel-making machine comprising, in combination, heel-assembling apparatus, heel pressing apparatus comprising a series of clamps rotatively mounted beside the assembling apparatus, means adapted to simultaneously operate the assembling apparatus, rotate the clamps and automatically open one of said clamps, and operator-controlled means for closing the opened clamp independently of the other operations.

2,238,989
SELF-BALANCING DYNAMIC SYSTEM
Clifford C. Bradbury, Glencoe, Ill., assignor, by mesne assignments, to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Original application February 20, 1936, Serial No. 64,992. Divided and this application December 20, 1937, Serial No. 180,712
3 Claims. (Cl. 74—573)



1. In a self-balancing dynamic mechanism, in combination, a rotatable primary system, a substantially horizontal shaft forming a part of said system, means for rotating said shaft, a relatively stationary secondary body, a yieldable mounting that permits relative displacement of the rotating primary system and the secondary body to occur when the primary system is out of balance, a plu-

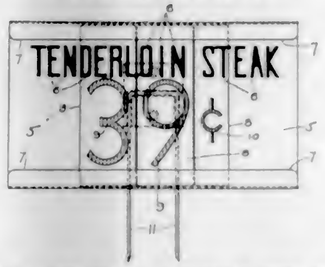
rality of bevelled rollers on the primary system rotatable on non-parallel radial axes, a conical track on the secondary body for driving engagement with the rollers during such displacement, and means comprising spindles passing radially through the rollers for shifting a portion of the primary system in such a direction as to prevent the displacement when the rollers are driven, said spindles being locked by friction against radial movement when the rollers are not being driven.

2,238,990

PRICE TICKET AND THE LIKE

John B. Carroll, Chicago, Ill.

Application January 2, 1940, Serial No. 312,089
2 Claims. (Cl. 40—5)



1. As a new article of manufacture, a display unit intended for direct attachment to an article to which said unit refers, said unit including a flanged holder in the form of a plate having oppositely disposed co-operating flanges, a name or legend permanently imprinted on the face of said holder adjacent to one flange, a removable slip of transparent material of size to engage and be held by said flanges and overlie the so permanently imprinted name or legend, and carrying another character related to the permanently imprinted name or legend, said character being so placed on said slip that said character and said name or legend are non-registering with each other when the slip is in place in the holder, and said character and said name or legend do not interfere with each other, whereby said name or legend may be permanently displayed in conjunction with a transitory display of the character on the slip, and without interference of the said character of the slip with the name or legend of the holder face, substantially as and for the purpose set forth.

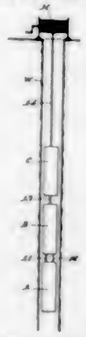
2,238,991

MEASUREMENT OF SOUND VELOCITIES IN STRATA TRAVERSED BY BOREHOLES

Raymond T. Cloud, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application September 2, 1938, Serial No. 228,107
3 Claims. (Cl. 181—0.5)

1. Apparatus for determining the velocity of sound in the strata traversed by a cased well comprising means for generating a sound wave, means vertically spaced from said first-mentioned means for receiving said sound wave, electrical means for producing an electrical effect as a function of time, means associated with said generating means and actuated at the time of generation of said sound wave for initiating the production of said electrical effect, a first electrical circuit associated with said receiving means, a second electrical circuit associated with said receiving means, with said electrical means and with said first electrical circuit, said first electrical circuit operating upon receipt of the first sound wave arriving at said receiving means via the casing of said well to render said second electrical circuit responsive to the receipt of the second sound wave arriving at said receiving means via the strata traversed by said well, means



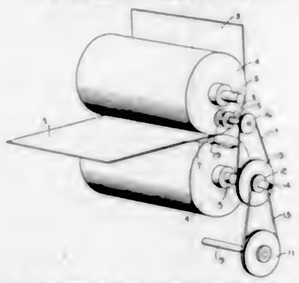
associated with said receiving means and including said second electrical circuit for discontinuing the production of said electrical effect on receipt of said second sound wave at said receiving means and means responsive to said electrical means for recording the time required for said wave to travel between said generating means and said receiving means via the strata traversed by said well.

2,238,992

TEXTILE DEVICE

Cyril M. Croft and Frederick G. Dodge, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

Application June 16, 1939, Serial No. 279,468
5 Claims. (Cl. 28—17)



1. In a device of the character described, the combination with means for feeding a length of fabric having a thread-sewn edge, means for pulling the thread from said fabric comprising a rotatable reel and means operatively connected to the means for operating the feeding means for rotating said reel.

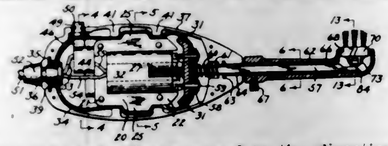
2,238,993

BRUSH AND THE LIKE

Dwight C. Daniels, Worcester, Mass.

Original application February 24, 1938, Serial No. 192,342. Divided and this application October 10, 1938, Serial No. 234,238
6 Claims. (Cl. 15—22)

6. A power actuated brush or the like comprising a hollow arm having a lateral opening in one end, a rod extending through the arm, power means to reciprocate the rod, a brushing element mounted in the opening, said element having an operative surface facing outwardly of the opening and two guide grooves on opposite sides which extend to the inner end of the element, two aligned bearings mounted on opposite sides of the opening and extending into said guide grooves to support the brushing element for oscillation about an axis substantially perpendicular to both the arm and to the direction in which the said operative surface is faced, the brushing element having a shallow depression in each guide groove, spring-pressed devices supported in the bearings and arranged to enter the depressions and thus hold the brushing element yieldably against withdrawal outwardly of said opening, and means connecting the rod to the brushing element to oscillate the element about said axis.

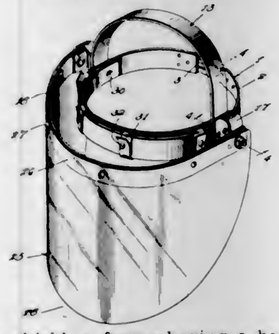


2,238,994

SHIELD

Charles H. Dockson and Sterling H. Dockson, Detroit, Mich., assignors to C. H. Dockson Company, Detroit, Mich.

Application May 11, 1939, Serial No. 273,114
2 Claims. (Cl. 2—8)



1. In a shield, a frame having a band and a head-piece, U-shaped hinge pieces, means connecting the head-piece with ends of each of the hinge pieces at diametrical points of the band, a shield element frame, bolts, spring washers on the bolts and resiliently connecting said bolts with the shield element frame, and a shield element carried by said shield element frame, said shield element and shield element frame being movable on the bolts and hinge pieces from lowered operative position to raised inoperative position.

2,238,995

TRACK SWITCH

William Eichelberger, Grafton, W. Va.

Application September 13, 1939, Serial No. 294,745
1 Claim. (Cl. 246—374)

In track switch locking apparatus, the combination with a main track section, a siding track section connected with the main section, a pair of switch rail points movable to open and close the main and siding sections respectively, means connecting the said rail points so that the said points move in unison, and mechanism for selectively actuating the said switch points, of an auxiliary rail member slidably mounted at the inner side of a complementary siding rail, a pair of lug elements secured against the side of the auxiliary rail, a pair of fixed brackets having lugs complementary to the lugs on the auxiliary rail, a pair of coiled compression springs fitted



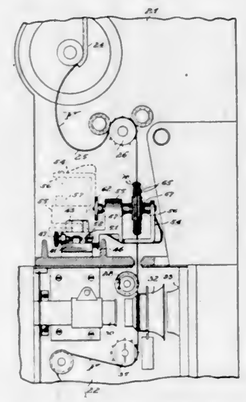
on the said complementary lugs and disposed to yieldingly hold the auxiliary rail against the complementary siding rail, an arm pivotally fastened to one of the said switch points, a link operably connected with the auxiliary rail, a pair of bell crank levers connected to the said arm and link respectively, and a rod connecting the said bell crank levers whereby to lock the switch points and preclude opening thereof onto the siding when the auxiliary rail is disposed in a position separated from the complementary siding rail.

2,238,996

SOUND TRACK CLEANER FOR MOTION PICTURE FILM

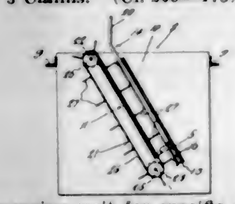
Roy J. Fisher, Rochester, N. Y., assignor, by mesne assignments, to Harold J. Nagle, Roy J. Fisher, and Nelson H. Copp, all of Rochester, N. Y., as joint trustees

Application December 1, 1936, Serial No. 113,677
7 Claims. (Cl. 15—100)



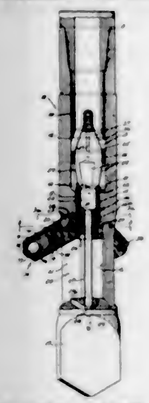
1. Means for cleaning moving picture film while the film is in motion, comprising a bracket having two arms, bearing means on said arms on opposite sides of the plane of the moving film, two holders, one rotatably mounted on said bearing means on each arm, and two cleaning members removably mounted on said holders, said cleaning members embracing between them at least a part of the width of said film to tend to clean said embraced part of the width thereof as the film moves past said cleaning members.

2,238,997
FRUIT SEPARATOR
Harold L. Gaymon, Bartow, Fla.
Application May 7, 1940, Serial No. 333,829
3 Claims. (Cl. 209—173)



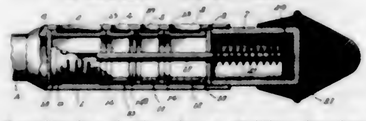
1. A submerging unit for specific gravity fruit separators of the type including an elongated tank for the reception of a fluid, comprising supporting bars resting transversely on the tank, side plates mounted between the supporting bars and depending therefrom in the tank, guides mounted on the side plates, a pair of inclined, foraminous panels mounted between the side plates in spaced, opposed relation to each other, the upper panel extending from a point above the top of the tank downwardly well below the fluid level but terminating a substantial distance above the tank bottom and being slidable in the guides to adjust its lower end with respect to said bottom, said panels, in conjunction with the said plates, defining a tube for the reception of the fruit, and an endless conveyor engageable with the fruit for carrying said fruit through the tube, one flight of said conveyor being operable in the tube.

2,238,998
EXPANSIVE REAMER
John Grant, Los Angeles, Calif.
Application February 20, 1939, Serial No. 257,426
3 Claims. (Cl. 255—76)



1. In an expansive reamer, an elongate body having in its upper portion a plunger receiving bore, a plunger with an upper plunger head reciprocable vertically in said bore, said plunger having a longitudinal bore open at its lower end and the plunger head being hollow and in communication with the plunger bore, a restricted fluid entry port in the upper end of the plunger head, a packing surrounding the plunger head below the restricted port, the plunger below said packing fitting the body bore with clearance for passage of circulation, the plunger head having an opening through its wall below the packing, a circulation pipe mounted in the lower part of the body and entering the lower end of the plunger bore to receive fluid therefrom, the body having cutter arm receiving slots immediately below the plunger bore, and cutter arms pivoted in said slots and adapted to take the lower end of the plunger between them.

2,238,999
CALENDAR DEVICE FOR WRITING IMPLEMENTS
Herbert H. Grooms and Elza C. McCarty, West Union, Ohio
Application July 1, 1940, Serial No. 343,470
2 Claims. (Cl. 40—108)



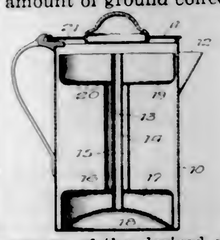
1. A calendar device for a writing implement, comprising a casing to be carried by the implement and having window openings therein, date indicia bearing cylinders mounted for rotation in the casing for the indicia to show through the window openings, bearing flanges on the peripheries of the cylinders and disposed in wiping engagement with the casing for spacing the indicia from the casing, said cylinders having their confronting faces counterbored to provide chambers between the cylinders, said cylinders having axially disposed bores therethrough and aligned slots radiating from the axially disposed bores, handled means slidably and rotatably mounted in the axially disposed bores and extending through the casing, a pin fixed to the handled means and receivable in the slots of any one of the cylinders for individually rotating the latter, a cap providing a housing for the extending portion of the handled means and being removably secured to the casing and a spring cooperating with the cap for normally holding the pin in a chamber between certain of the cylinders.

2,239,000
TREATMENT OF GASES CONTAINING SULPHUR
Walter Henry Groombridge and Ronald Page, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 16, 1938, Serial No. 240,790. In Great Britain December 17, 1937
6 Claims. (Cl. 252—373)

1. Process for the treatment of sulphur-containing gas mixtures comprising carbon monoxide and hydrogen so as to facilitate subsequent removal of sulphur by alkali and at the same time to decrease the proportion of carbon monoxide so as to render the mixture suitable for synthesis into hydrocarbons, which comprises passing the gas at a temperature of 400–600° C. and in admixture with water vapor in contact with ferric oxide in admixture with zinc oxide.

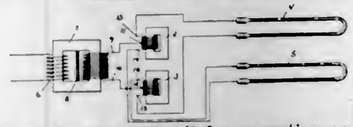
2,239,001
COFFEE PERCOLATOR
Arthur H. Hagen, Globe, Ariz.
Application May 11, 1940, Serial No. 334,634
2 Claims. (Cl. 53—3)

1. In a coffee percolator, a perforated container for ground coffee, an extension depending from said container adapted to normally rest on the percolator bottom, the buoyancy of the container and extension being such that they will be raised off the bottom of the percolator by water deposited in the percolator but returned to their normal lowered position by the placement in the container of an amount of ground coffee required for



making a beverage of the desired strength from the volume of water in the percolator, and means on the wall of the percolator for limiting the upward movement of the container caused by the buoyant effect of the water.

2,239,002
TRANSFORMER CONNECTION FOR GASEOUS DISCHARGE TUBES
Willard Cotton Hall, Jr., Los Angeles, Calif., assignor to Lloyd Osborn James, Los Angeles, Calif.
Application February 13, 1939, Serial No. 256,241
3 Claims. (Cl. 176—124)



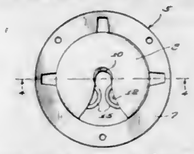
1. In an electrical circuit for operating gaseous discharge tube loads, a plurality of units comprising inductance coils with end taps, a central tap for each coil, a regulating transformer supplying step up voltages across the secondary thereof, means connecting the secondary of the transformer to the central tap of each inductance coil so as to place said coils at a difference of potential with respect to one another, each of said units having one of their end taps connected to an electrode of a different tube load and the other end tap of each unit having connection with the other electrode of each tube load so as to supply current to each tube via of portions of both coil units.

2,239,003
HEADREST
Samuel R. Jones, Big Spring, Tex.
Application July 18, 1939, Serial No. 285,201
2 Claims. (Cl. 5—327)



1. In a device of the class described, the combination of a base, inverted U-shaped brackets secured thereto and provided at their upper portions with enlarged apertures, a laterally adjustable headrest, cushioning means on said headrest, adjusting screws extending from said headrest downwardly through said apertures, and adjusting nuts threaded to said members, and arranged upon opposite sides of the upper portions of said brackets through which said screws pass.

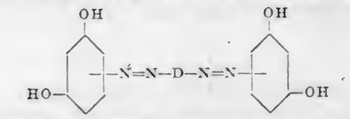
2,239,004
BUTTON
Emil Eugen Jung, Philadelphia, Pa.
Application March 28, 1940, Serial No. 326,517
1 Claim. (Cl. 24—224)



In a separable button, a female part comprising a body having a circular raised part on one face thereof forming a circular recess opening out through the other face, the peripheral part of the raised portion curving downwardly and outwardly to the surrounding portion of the body, fingers struck from the said surrounding part and said peripheral portion with one end of each finger connected with an edge part of the raised portion, said raised portion having an opening therein, the inner end of which is of substantially semi-circular shape and arranged at the center of the raised portion with the opening extending to a part of the surrounding portion with the side walls of the opening flaring from the semi-circular portion to said surrounding portion and with the side walls of the semi-circular portion pressed inwardly to form a flange, a split ring fitting in the recess and having its major portion fitting against portions of the peripheral part of the raised portion, said fingers being curved inwardly into the recess and around parts of the ring to hold the ring in place, the ends of the ring being curved inwardly to pass under intermediate portions of the opening and said end portions of the ring being oppositely curved with intermediate parts of the curved portions adjacent to each other and the ends of said curved parts extending under the edge walls of the opening adjacent the ends of the flange.

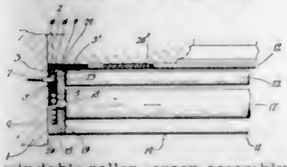
2,239,005
HEXAKISAZO DYESTUFFS AND THEIR MANUFACTURE
Adolf Krebser, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application October 2, 1939, Serial No. 297,590. In Switzerland October 5, 1938
5 Claims. (Cl. 260—144)

1. A process for the manufacture of hexakisazo dyestuffs, comprising diazotizing two molecules of a monoazo dyestuff of the formula $C—N{=}N—B—NH_2$ and coupling the thus obtained diazo compound in alkaline solution with one molecule of a disazodyestuff of the formula



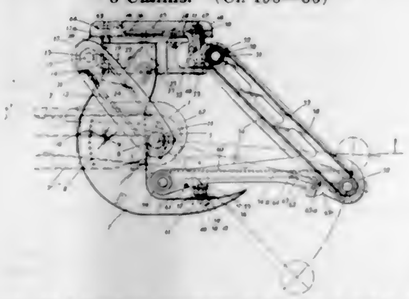
in which formulae D represents a radical with two interconnected benzene nuclei selected from the group consisting of two directly connected benzene nuclei and two benzene nuclei connected by O, S, NH, CH_2, SO_2, $CH_2.CH_2$, CH=CH and NHCO, B a naphthalene radical containing the azo groups in 1,4 position and C a diphenylamine radical, care being taken that at least 4 sulphonic acid groups are present in the molecule of the hexakisazo dyestuff.

2,239,006
ROLLER SCREEN ATTACHMENT FOR WINDOWS
Peter Krywonis, Winnipeg, Manitoba, Canada
Application January 26, 1939, Serial No. 252,965
In Canada January 24, 1938
2 Claims. (Cl. 156—39)



2. In a windable roller screen assembly wherein one end of said screen is attached to a window-sill, a screen roller housing releasably connected to the lower edge of a sash, said sash being slidably positioned in a frame, an angle-bar secured vertically to each side of said frame, one of the flanges of said bar lying in the plane of said sash and parallel with but spaced from the stiles of said sash to provide a vertical track on each side of said frame, a toothed rack on said bar and lugs on the ends of said housing engageable with said tracks.

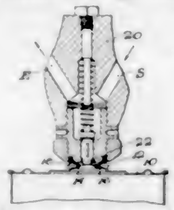
2,239,007
DISCHARGE HEAD OF SPOIL TIPPING CONVEYERS
John Skelding Lane, Brierley Hill, England
Application February 27, 1939, Serial No. 258,841
In Great Britain May 21, 1938
8 Claims. (Cl. 198—86)



1. In a tipping conveyer including a main conveyer unit, a discharge head including a body pivotally connected to the advanced end of the main conveyer unit to enable adjustment of the body in a vertical arc, a jib pivotally mounted on said body so that it is adapted to swing through a horizontal arc laterally of the main conveyer unit, a discharging conveyer belt carried by the jib, and means for moving the discharging conveyer belt and automatically operating the jib in its lateral movement.

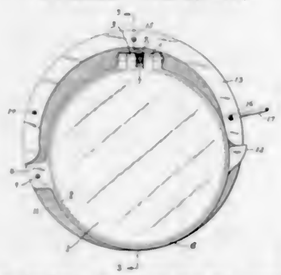
2,239,008
METHOD OF FOOD PROCESSING
David L. Loetscher, Philadelphia, Pa., assignor to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 6, 1939, Serial No. 266,367
9 Claims. (Cl. 99—182)

1. The process of treating products within valved containers, which includes the steps of injecting steam into the head space of the container through the valve for a relatively short period of time, permitting the steam so injected to exhaust from the head space of the container to remove the air therefrom through the valve, and passing steam through the valve into the



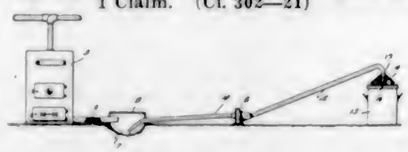
container and through the product therein for a relatively longer period of time to treat the product in the container.

2,239,009
LOCKET
Louis C. Mark, Providence, R. I.
Application October 1, 1940, Serial No. 359,199
8 Claims. (Cl. 63—19)



7. In a locket, an incasement comprising a body having an edge aperture, a keepsake container pivoted within said body and movable into and out of the latter through said aperture, and a second keepsake container hingedly connected to said first named keepsake container, and movable in a plane at right angles to the direction of movement of the said first keepsake container.

2,239,010
ASH REMOVER
John E. McMillan, Randolph, N. H.
Application March 23, 1939, Serial No. 263,783
1 Claim. (Cl. 302—21)



The combination with a cover to an ash receptacle, of means to convey ashes therefrom to a remote point comprising an ash can adapted for remote location relative to said receptacle and having a conical cover of filtering material for separating the air from solids, a fan located intermediate said receptacle and can and having suction and compression sides, respectively, a pipe line leading from the receptacle to the suction side of the fan and having an angular end extending through the cover of the receptacle to the bottom thereof, and a pipe line leading from the compression side of the fan and terminating in a goose neck extending downwardly into the top of said conical cover.

2,239,011
BUILDING PANEL
John Meslin, Brooklyn, N. Y.
Application December 18, 1939, Serial No. 309,876
2 Claims. (Cl. 189—86)



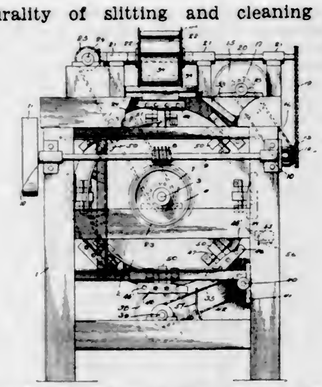
1. A building panel having an offset flange and a nailing flange bent back upon the panel but spaced therefrom, said panel being provided with nail receiving openings opposite said nailing flange, filler means positioned between said nailing flange and the panel, said offset flange being provided with openings and adapted to underlie the nailing flange of an adjacent panel, with the openings in the offset flange aligning with the nail receiving openings in the overlying panel, the nail receiving openings in said panel being of such diameters as to fit about the peripheral contour of the heads of nails driven through the nailing strip to bring the heads of the nails flush with the panel, the openings in said offset flange being larger than the diameter of the nail to provide spaces for burrs formed on said nailing flange when the nails are driven therethrough.

2,239,012
COMPOUNDS OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND PROCESS OF MAKING SAME
Karl Miescher, Riehen, and Albert Wettstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application July 5, 1938, Serial No. 217,623. In Switzerland July 17, 1937
16 Claims. (Cl. 260—397)

1. A process for the manufacture of polyhydroxy-compounds of the cyclopentanopolyhydrophenanthrene series and their derivatives, comprising treating with a reducing agent a compound of this series containing in position 17 a side chain carrying a member of the group consisting of a free, an esterified and an etherified α-hydroxy-aldehyde-, αhydroxy-ketone-, α-hydroxy-carboxylic acid-, α-keto-aldehyde-, α-keto-ketone- and an α-keto-carboxylic acid-grouping.

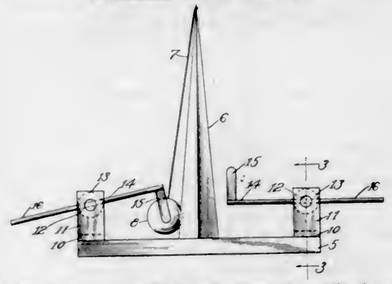
2,239,013
FISH CLEANING AND CUTTING MACHINE
Charles P. Palmer and Arthur L. Palmer, Kilmarnock, Va.
Substituted for abandoned application Serial No. 594,260, February 20, 1932. This application August 7, 1939, Serial No. 288,874
9 Claims. (Cl. 17—3)

4. A fish cleaning machine, comprising a main frame, a carrier disk directly mounted therein for rotation in a vertical plane, a plurality of fish clamps mounted on the periphery of said disk, means carried by said frame for controlling the operation of said clamps, a feeding reel mounted above said disk for rotation on an axis at right angles to that of said disk, a plurality of circular knives located adjacent the ends of said reel and a plurality of slitting and cleaning devices



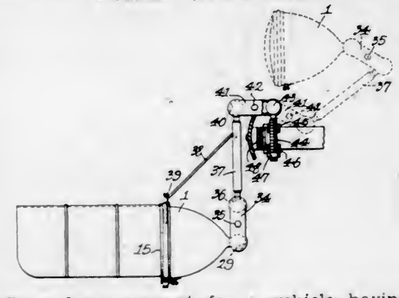
mounted on said frame adjacent the periphery of said disk for rotation in the plane of said disk.

2,239,014
GAME
Eric A. Peterson, Worcester, Mass.
Application August 30, 1939, Serial No. 292,732
4 Claims. (Cl. 273—95)



1. In a game of the character described, comprising a base, a standard mounted on the base, a ball tethered to said standard for orbital movement therearound, and manually operated paddles pivoted on the base on opposite sides of the standard for engagement with said ball to effect continuous orbital movement about said standard.

2,239,015
SUPPORT FOR FOG LIGHTS
Harry E. Powell, Logansport, Ind.
Application January 21, 1939, Serial No. 252,228
1 Claim. (Cl. 248—276)



In a lamp support for a vehicle having a bumper, an upright standard, means for mount-

ing the standard upon and within the bumper, a depending post located without the bumper, an upper clamp normally resting on the bumper, the upper end of the post and the upper end of the standard on the one hand, and the ends of the upper clamp on the other hand, being provided with interengaged ball and socket elements, a forwardly-presented lamp, a lower clamp, the lower end of the post and the rear end of the lamp on the one hand, and the ends of the lower clamp on the other hand, being provided with interengaged ball and socket elements, and a link having detachable and pivotal connections, at its ends, with the lamp in spaced relation to the lower clamp, and with the post in the vicinity of the upper clamp, thereby to secure changes in the direction of light ray projection from the lamp when the lower clamp and the post are knuckled with respect to each other.

2,239,016

WATER PROPELLING DEVICE

Anton Rober, Milwaukee, Wis.

Application January 10, 1938, Serial No. 184,171
8 Claims. (Cl. 115—24)



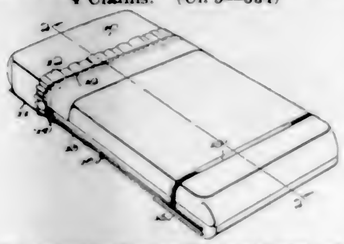
1. In a water vehicle, the combination with a floating body, of a plurality of propellers extending from said body into the water, means in said body for operating said propellers, means for varying the position of certain of said propellers independent of the other propellers for steering control purposes, means for varying the position of certain other propellers independent of the steering propellers for elevator control purposes, and concentrically arranged means within said floating body for operating said steering and elevator propeller control means.

2,239,017

BED COVERING

Ruby Holbrook Roberts, Stone Mountain, Ga.

Application August 5, 1939, Serial No. 288,655
4 Claims. (Cl. 5—334)



1. The combination with a mattress, of a pad adapted to be disposed beneath the mattress, a sheet adapted to be disposed above the mattress, means to fasten the edges of the sheet and pad from a point adjacent the head end of the sheet to a point adjacent the foot end thereof, said sheet being shirred at its head end, means resiliently urging the shirred end of the sheet towards the mattress, and a tape secured to opposite sides of the sheet and extending transversely across the sheet and mattress to retain covers disposed above said sheet.

2,239,018

WELDING METHOD AND FLUX FOR THE SAME

William Middleton Rogerson, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application May 14, 1937, Serial No. 142,620
9 Claims. (Cl. 113—112)

1. A flux for the fusion welding of aluminum to copper, containing a mixture of alkali metal halides and cadmium.

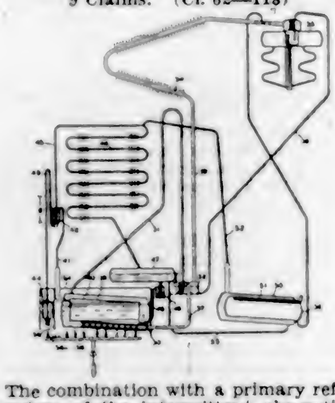
4. A method of producing a welded joint between aluminum and copper, said weld being characterized by high tensile strength, high electrical conductivity and an improved resistance to corrosion as compared to a soldered joint between the same two metals, said method comprising effecting a fusion weld in the presence of an alkali metal halide flux and metallic cadmium.

2,239,019

ABSORPTION TYPE REFRIGERATING SYSTEM

Eric H. Ryden, Bedford, and Albert C. Schickler, Beechwood, Ohio, assignors to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio

Application August 12, 1938, Serial No. 224,458
9 Claims. (Cl. 62—118)



1. The combination with a primary refrigerating system of the intermittent absorption type including generator-absorber and condenser elements in circulatory communication with, each other, of a secondary cooling system including a condenser member and two evaporator members both in closed circulatory communication with said condenser member and independent of communication with the primary refrigerating system, one of said evaporator members being in heat transfer relation with the said generator-absorber element and the other with the said condenser element, and means whereby the generator-absorber-cooling evaporator member is effective during only the refrigerating phase of the cycle.

2,239,020

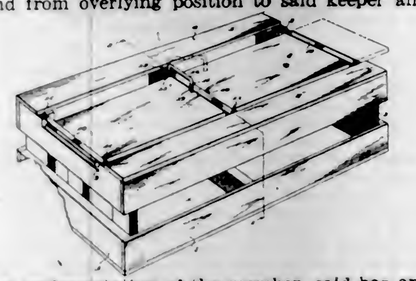
POULTRY COOP

Charles Edgar Sheets, Trenton, Mo.

Application March 6, 1939, Serial No. 260,231
1 Claim. (Cl. 217—62)

Latch mechanism for a crate having a sliding top closure panel provided with an aperture, said

mechanism comprising a cross bar having a notched upper edge forming a guide for the panel, a strap iron keeper extending along the bar and bridging the notch to retain the panel in the latter, a rod-like latch member having a leg extending downwardly through said keeper and bar and vertically slidable and rotatable therein, said leg having a rightangled upper end terminating in a downturned latch bolt rotatable into and from overlying position to said keeper and



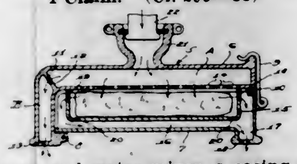
bar under rotation of the member, said bar and keeper being provided with a pair of apertures therein, respectively, aligning with the aperture in said panel in the closed position of the latter for the extension of the bolt therethrough under downward movement of said latch member, and means to tension said member against upward movement comprising a head on the lower end of said leg, and a coil spring sleeved onto said leg between said head and bar.

2,239,021

SOAP AND WATER MIXER

Lucien Siano, Ballston Spa, N. Y.

Application February 26, 1940, Serial No. 320,980
1 Claim. (Cl. 299—83)



In a soap and water mixer, a casing including a substantially L-shaped section and a substantially rectangular shaped section hinged to one portion of the substantially L-shaped section whereby the latter-named section may act as a closure for the substantially rectangular shaped section, said L-shaped section having water outlets and a water inlet and provided with a perforated wall, a perforated soap tray mounted in the substantially rectangular shaped section and engaged by the perforated wall of the substantially L-shaped section to admit water thereto, said substantially rectangular shaped section having water outlets remotely located to the water outlets of the substantially L-shaped sections, and a fastener detachably connecting the sections.

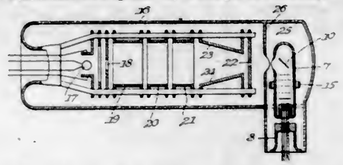
2,239,022

ELECTRON DISCHARGE TUBE

Heinrich Strübig, Teltow, near Berlin, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application March 22, 1938, Serial No. 197,473
In Germany April 1, 1937
8 Claims. (Cl. 250—175)

1. An electron discharge tube possessing a main vacuum receptacle containing a cathode, a protrusion reaching into the interior of said main vacuum receptacle and extending beyond the boundaries of said main vacuum receptacle, said protrusion having a wall portion inside said main receptacle adapted to be punctured, and a separate vacuum receptacle containing an anode and adapted to be connected to a press placed in the interior of said protrusion of said main vacuum receptacle, said press being adapted



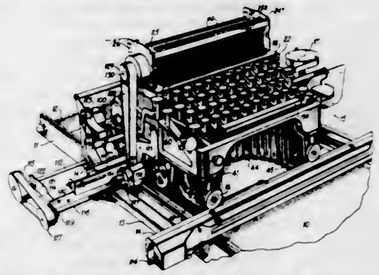
to be fused to the portion of said protrusion extending beyond the boundaries of said main vacuum receptacle, said separate receptacle also having a wall portion adapted to be punctured, said puncturable wall portions being disposed in the path of the electron discharge, thereby to establish an electron discharge path between said cathode and said anode after puncture of said wall portions.

2,239,023

POWER-DRIVEN WRITING MACHINE

Oscar J. Sundstrand, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application December 5, 1936, Serial No. 114,416
47 Claims. (Cl. 197—17)



1. In a writing machine, the combination with a power-actuated drive member; and a driven member; of a link adapted to thrust against the driven member; a pawl pivotally mounted on the thrust link; a key lever; means to releasably connect the key lever and the thrust link, to effect engagement of the pawl with the drive member; and means on the thrust link, engaged by the pawl as a result of its rotation relatively to the thrust link upon the engagement of the pawl with the drive member, to transmit the direct thrust of the drive member to the thrust link, and relieve the pawl pivot of strain.

2,239,024

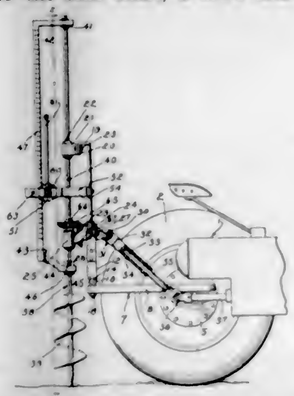
POSTHOLE DIGGER

Edward J. Vance, De Witt, Iowa

Application May 26, 1939, Serial No. 275,983
1 Claim. (Cl. 255—22)

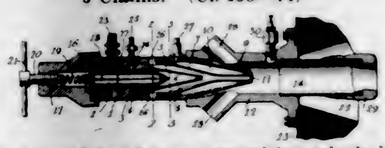
In a posthole digger, a supporting frame having side members, a guide mounting carried by the supporting frame at the upper end of said side members, a mounting sleeve in said guide mounting, a gear supporting bracket carried by the side members and having a sleeve, a guide member in the sleeve and in vertical

alignment with the first-mentioned sleeve, a supporting yoke on the frame and having trunnions, a frame member connected to a tractor, bearings carried by the frame member and journaling the trunnions, a bearing carried by the supporting yoke, a stub shaft rotatable in the bearing, a beveled driving gear carried by the stub shaft, a universal, a drive sleeve connected to the universal, said universal also being connected to the stub shaft, a drive shaft in the



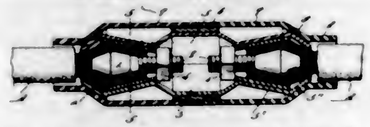
sleeve, means connecting the drive shaft with a power take-off, an auger having an earth-engaging screw and a shank, said shank being slidable through the guide member and sleeve, a lifting frame carried by the shank and having a rack, a lifting gear, a lifting frame mounting the gear for engagement with the rack, said lifting frame being carried by the supporting frame, and a crank carried by the lifting gear and being engageable for shifting the lifting frame and auger for effecting a posthole digging operation.

2,239,025
FUEL BURNER
Edmond Vigneault, Three Rivers, Quebec, Canada, assignor to "Franco-American Patents Limited," Three Rivers, Quebec, Canada
Application February 20, 1939, Serial No. 257,364
3 Claims. (Cl. 158—74)



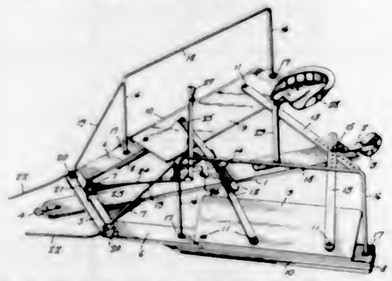
1. A liquid fuel burner comprising a body having a longitudinal passage, a series of four nozzles extending therefrom in co-axial and spaced relation to each other, the first nozzle communicating with said passage, means for admitting liquid fuel to said passage and first nozzle, a spring-pressed valve controlling the outlet of the first nozzle, means for admitting compressed air to the space between the first and second nozzles, the space between the second and third nozzles being open to the atmosphere, means for admitting steam to the space between the third and fourth nozzles, said second nozzle having an opening smaller than the openings of said third and fourth nozzles, and a body extension mounted on the fourth nozzle and enclosing the same, said extension having ports open to the atmosphere.

2,239,026
CABLE CONNECTOR
Henry J. Wagner, Jackson, Mo.
Application December 6, 1939, Serial No. 307,917
3 Claims. (Cl. 174—91)



1. In combination with a pair of stripped cable ends a pair of bolts, each bolt comprising a threaded shank and a tapered head having its small end connected with the shank, a tapered sleeve on each bolt with the shank passing through the small end of the sleeve, the cable ends entering the spaces between the bolts and the sleeves and entering the large ends of the sleeves, nuts on the shanks engaging the small ends of the sleeves, a sectional shell having a cylindrical central portion and outwardly flaring parts for receiving the two sleeves, said shell having inwardly tapered end portions extending beyond the outer ends of the sleeves and over portions of the cable ends and means for holding the sections of the shell together.

2,239,027
STALK CUTTER
Charles L. Wottring, Houston, Tex.
Application April 8, 1940, Serial No. 328,537
7 Claims. (Cl. 55—60)



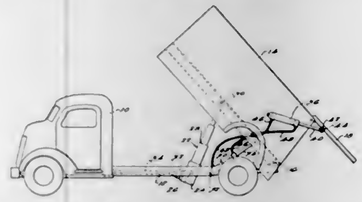
1. A stalk cutter comprising a pair of runners, ground engaging shoes underlying the runners, platforms for attendants and overlying the runners, cutting blades between the platforms and the runners, and means for removably securing the shoes, blades, runners and platforms in superimposed relation and with the blades between the shoes and the runners or between the runners and the platforms.

2,239,028
GARMENT REINFORCING MEANS
James F. Baker, Troy, Lester L. Almond, North Troy, Frank Ferguson, Troy, and Louis P. Madsen, North Troy, N. Y., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application January 16, 1939, Serial No. 251,100
3 Claims. (Cl. 2—265)



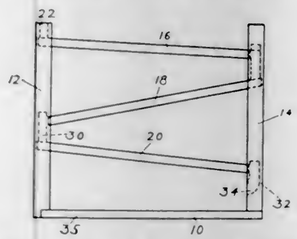
1. In combination in a shirt comprising overlapping front flaps of which the inner is provided with buttons for engagement with buttonholes in the outer flap, reinforcing means for the button-supporting flap to prevent the buttons from being pulled out, said reinforcing means comprising at least four plies of textile fabric disposed at the rear side of the inner flap of the shirt and united thereto by a row of stitches extending substantially parallel to the free edge of said flap and underlying the centers of the several buttons, and button-attaching means disposed at each side respectively of said row of stitches and uniting each button to the material of the inner flap and to the several plies of reinforcing fabric.

2,239,029
DUMP BODY
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application May 20, 1940, Serial No. 336,132
6 Claims. (Cl. 298—23)



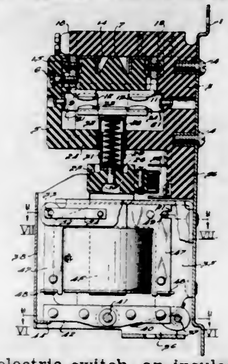
1. In an hydraulically operated dump body vehicle, a frame, a body pivotally mounted on said frame, hoist means connected to said body and said frame for tilting said body about its pivots, a closure gate pivoted on said body, an hydraulic ram interconnecting said gate and body for moving said gate on its pivotal support, another hydraulic ram interconnecting said frame and said body, and a conduit connecting said hydraulic rams, whereby fluid displaced from said another ram upon tilting of said body will actuate said first named ram to open said gate.

2,239,030
AMUSEMENT DEVICE
Frank Leslie Biddle, Muskegon Heights, Mich.
Application December 13, 1939, Serial No. 308,936
4 Claims. (Cl. 273—120)



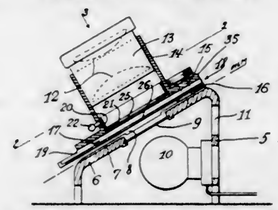
1. A game of skill, comprising a falling sphere in combination with a structure having a base with depressions therein, uprights at each end of the base, central channels in portions of the uprights, springs in these channels to increase the speed of the falling sphere, inclined troughs connecting the uprights and forming the tracks on which the sphere descends.

2,239,031
ELECTRIC SWITCH
Josef Bierenfeld, Milwaukee, Wis., and Lawrence G. Maechtlen, Beverly Hills, Calif., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application August 24, 1936, Serial No. 97,532
27 Claims. (Cl. 200—104)



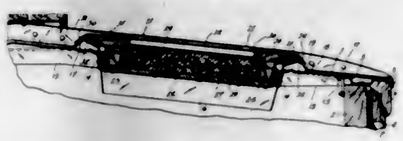
1. In an electric switch, an insulating arc enclosing and suppressing chamber having an openable front, a stationary contact assembly within said chamber and comprising an insulating block having a pair of stationary contacts mounted thereon, a bridging movable contact within said chamber having supporting means extending through the bottom of the chamber for reciprocating said movable contact into and out of engagement with said stationary contacts, electromagnetic means for effecting reciprocation of said movable contact, and a removable front cover for said chamber providing for ready forward removability of the stationary contact assembly and for supported swinging removability of said movable contact when the front cover is removed.

2,239,032
APPARATUS FOR EXAMINING FILMS
Alfred Boch, Yorktown Heights, N. Y., assignor to E. Leitz, Inc., a corporation of New York
Application April 24, 1940, Serial No. 331,286
8 Claims. (Cl. 40—130)



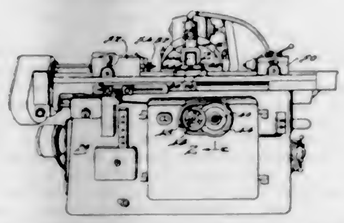
3. In an apparatus of the character described, supporting means, an optical system thereon, means for selectively guiding either a film or a lantern slide into position in said supporting means into optical viewing relation by said optical system, a rotatable framing member having an oblong framing opening supported above said guiding means in the optical axis of said optical system and means for rotating said member to frame a film picture or a lantern slide view selectively placed in said guiding means for observation with the long sides of said opening corresponding to the long sides of said picture or view.

2,239,033
HATCH CONSTRUCTION
Loyd E. Cartmill, Palo Alto, Calif.
Application February 12, 1940, Serial No. 318,511
4 Claims. (Cl. 108—5.4)



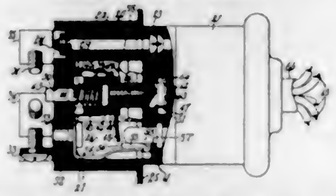
1. A car roof having a hatch opening therein, a hatch frame in said opening and a cover for the upper end of said hatch frame, said end of said hatch being widely flared to provide a seat therein for said cover, the slant of said widely flared seat being slightly in excess of the angle of repose of cinders on the material of said seat but not so steep as to involve wedging of said cover in said seat.

2,239,034
GRINDING WHEEL DRESSING FIXTURE
Ralph E. Cross, Detroit, Mich.
Application February 12, 1940, Serial No. 318,498
2 Claims. (Cl. 125—11)



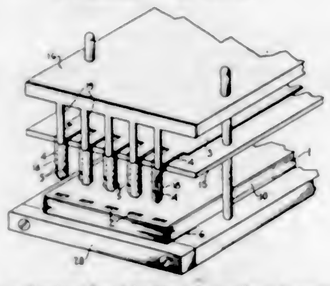
1. In a grinding machine including a base having ways thereon, a table movable along said ways and adapted to receive a piece of work to be ground thereon, and a grinding wheel arranged in operative relation with respect to said work, the combination of a supporting base carried by said table, an auxiliary supporting member having a planar face supported on said base and movable with respect thereto about a pivotal axis, means for locking said auxiliary supporting member against relative movement with respect to said first mentioned supporting member, a template member carried by said auxiliary supporting member and arranged to be fixed in position with respect thereto, a block having a planar face arranged in contacting relationship with respect to the first mentioned planar face and adapted to be moved thereon in any direction, a tracer point fixed with respect to said block and arranged for engagement with the operative face of said template member, and a pointed grinding wheel dressing element also carried by said block in spaced relation with respect to said tracer point and arranged with its apex in a line perpendicular to the planar face of said block and passing through the apex of said tracer point, said planar faces being arranged in parallel relation with respect to the axis of said grinding wheel, and said grinding wheel dressing element being located at a distance from said faces substantially equal to the distance between the plane of said faces and the axis of said grinding wheel measured in a direction perpendicular to the extended plane of said faces.

2,239,035
ELECTRICAL SIGNAL DEVICE
William R. Curtiss, Meriden, Conn., assignor to Connecticut Telephone & Electric Corporation, a corporation of Delaware
Application May 26, 1939, Serial No. 275,882
3 Claims. (Cl. 200—51)



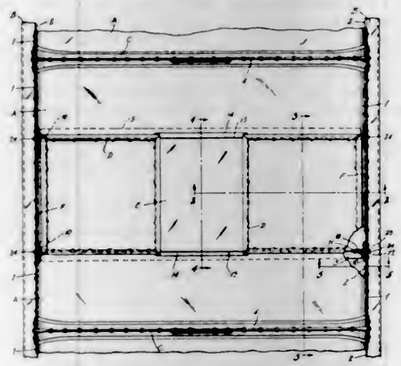
1. An electric signal device including: a receptacle having a plurality of fixed electric switch contacts, movable electric switch contact means, spring means acting to move said movable contact means to close the circuit through said fixed contacts, a push button adapted by a simple endwise push to move said movable contact means to open-circuit position against the action of said spring means, and spring-pressed latch means located within said receptacle and acting to automatically latch said movable contact means in open-circuit position when said movable contact means is moved to open-circuit position, said receptacle having a latch-release opening, said latch means not being releasable by manipulation of said push button and not being engageable by human fingers but being releasable by an instrument inserted through said latch-release opening.

2,239,036
LEAF BINDING DEVICE
Emil N. Farkas, Chicago, Ill., assignor, by direct and mesne assignments, to Emil N. Farkas, Chicago, Ill., as trustee
Original application October 17, 1938, Serial No. 235,381. Divided and this application April 27, 1940, Serial No. 331,919
5 Claims. (Cl. 11—1)



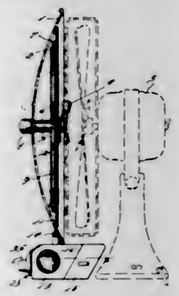
5. In a device for binding together leaves having marginal perforations with integral fingers projecting from a cover sheet, each finger being laterally slit near its end, two cooperating plates for clamping said cover sheet with the fingers projecting beyond the plates, guide fingers projecting from the plates and adapted when the plates are assembled to clamp the integral fingers of the cover sheet throughout their lengths with the lateral edges projecting to the two sides of the guide finger assemblies, a bottom plate on which said leaves rest and having recesses in alignment with said perforations and with the finger assemblies, the length of the assemblies being such that when inserted through the perforations of the leaves, their ends will reach the bottoms of said recesses, and prongs projecting into each recess above its bottom in alignment with the laterally projecting edges of said integral fingers to distort portions of said integral fingers near the lateral slits out of the plane of the finger when the finger assemblies are pushed through the perforations into said recesses.

2,239,037
HATCH CONSTRUCTION
Paul E. Finger, Gary, Ind., assignor to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application July 5, 1940, Serial No. 344,012
16 Claims. (Cl. 108—5.4)



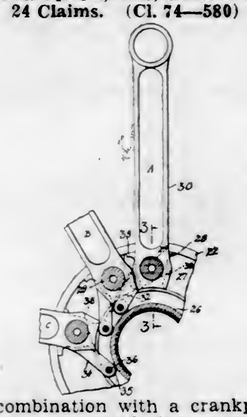
1. A railway car comprising a roof and a pair of spaced hatch frames embodied in said roof and extending thereabove, the portion of said roof located between said hatch frames being disposed above the general level of said roof.

2,239,038
CONDITIONER FOR CIRCULATING FLUID
William H. Greenfield, Philadelphia, Pa.
Application October 29, 1938, Serial No. 237,600
6 Claims. (Cl. 219—39)



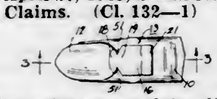
1. In a device of the character described, a perforated disc, a liquid container beneath and connected with the disc, and having an opening, an electric heater in rear of said disc and carried thereby, and securing means on said device to provide for its quick attachment to or detachment from means to create an air current.

2,239,039
CONNECTING ROD
Henry C. Hill, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application April 9, 1938, Serial No. 201,093
24 Claims. (Cl. 74—580)



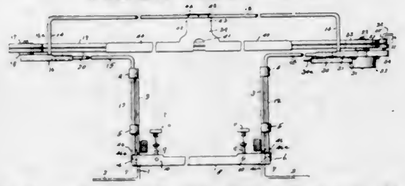
1. The combination with a crankpin bearing member having opposed facing grooves, of a plurality of rods each having slippers engaged in respective grooves, and an integral extension extending substantially tangentially of the bearing member from each rod having bearing means at its end in contact with the bearing member and an adjacent rod.

2,239,040
APPARATUS FOR MANICURING NAILS
Myra J. Holmes, South Bend, Ind.
Application April 27, 1939, Serial No. 270,334
6 Claims. (Cl. 132—1)



1. A mask for aiding in applying liquid polish or color to finger or toe nails comprising a pliable element provided with a substantially rectangular or circular body portion and an extending moon-shaped portion and having indentations separating body portion and the extending portion.

2,239,041
RIBBON RACK
Lane Johnson, Houston, Tex.
Application April 4, 1938, Serial No. 199,959
5 Claims. (Cl. 197—156)



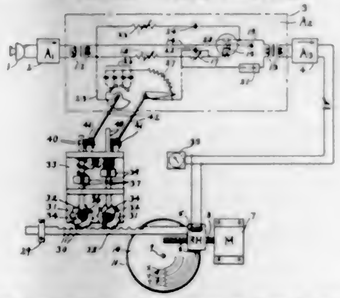
3. A ribbon rack comprising vertical posts adapted to clamp on a typewriter, feet on the lower ends of the posts adapted to support said posts, a yoke slidably connected to said posts and ribbons carried by the yoke one arranged above another, and means to raise and lower said yoke to selectively move the ribbons to upper or lower position.

2,239,042

WAVE RECORDING AND REPRODUCTION

Jackson O. Kleber, Long Island City, N. Y., and Lincoln Thompson, Stamford, Conn., assignors to The Sound Scriber Corporation, Stamford, Conn., a corporation of Connecticut

Application June 12, 1939, Serial No. 278,672
12 Claims. (Cl. 179—100.4)



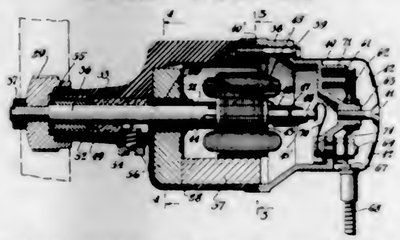
1. The method of recording sound waves or other waves in a record track at a relatively low, progressively decreasing speed along the track, which consists in recording said waves while subjecting them to a preliminary distortion, said distortion including the operation of progressively increasing the ratio of the amplitude of said waves within a higher frequency band to the amplitude of said waves in a lower frequency band until a predetermined increase in said ratio has been reached while the track speed decreases, and widening said higher frequency band without substantially exceeding said predetermined increase in ratio during said decrease of track speed.

2,239,043

GENERATOR

George F. Kuehn, Jackson Heights, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York

Application December 22, 1938, Serial No. 247,170
3 Claims. (Cl. 171—252)



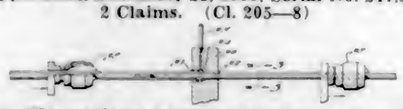
1. A generator including in combination a housing, a fixed magnet mounted within the same, an armature rotatably mounted within said housing and within the field of said magnet, lead wires extending from said armature to form electrical connection therewith and adapted to be connected to a current consuming element, an actuating wheel positioned at one end of said housing and coupled to said armature, a reduced portion forming part of said housing and positioned at the end opposite said actuating wheel, a resistance element mounted on said reduced portion in a circular position and parallel to the axis of rotation of said armature and a contact member for cooperation with said resistance element and forming electrical connection therewith, said resistance element and contact member being electrically coupled in series with one of said lead wires from said armature.

2,239,044

METHOD OF TREATING STEEL BARS

John W. Leighton, Port Huron, Mich.

Application December 23, 1938, Serial No. 247,377
2 Claims. (Cl. 205—8)



1. The method of treating steel stock to obtain an elongated bar of accurate and uniform cross-sectional dimensions and in condition to be delivered or fed to a metal working machine such as an automatic screw machine, which comprises providing an elongated bar of rolled steel slightly larger in cross-section than the finished bar to be obtained, forcefully directing small solid particles against the surface of the bar to remove scale and also to form closely related, small recesses or pits in such surface adapted to retain a lubricant, applying fluid lubricant to the pitted surface immediately adjacent to a reducing die in such manner that the lubricant will be held in the pits as they enter the die, and forcing the bar through the die with the pits retaining the lubricant to reduce the sectional size of the bar to a smaller size uniform and accurate throughout the length of the bar and to eliminate the pits or recesses and provide a smooth surface.

2,239,045

METHOD OF MANUFACTURING ARMS

John W. Leighton, Port Huron, Mich.

Application June 2, 1939, Serial No. 277,096
4 Claims. (Cl. 29—152)



1. The method of manufacturing an arm for use in automobile connections which comprises providing an elongate bar cut from bar steel stock, bending the bar at one end to form an offset shank, confining the outer part of the shank in a die having an opening receiving said outer part of the shank so as to leave a non-confined shank section next to the bend in the bar, holding the bent section of the bar in a slotted die, the slotted portion of which receives the bend with the base of the slot substantially fitting the outer curved surface of the bend, and then relatively moving the two dies toward each other in a direction axially of the shank so as to upset and radially expand the non-confined shank section into a shoulder.

2,239,046

SCOOP FOR ICE CREAM AND THE LIKE

Walter Ross Lloyd, Decatur, Ill.

Application March 25, 1940, Serial No. 325,738
4 Claims. (Cl. 107—48)

1. A scoop for ice cream and the like having an open bowl with a cutting edge formed about its rim, and a handle extending outwardly from said bowl, a central opening in the bottom of said bowl merging into an open slot extending transversely through said handle, an ejector pivotally mounted in said slot and having one end thereof terminating in an enlarged closure



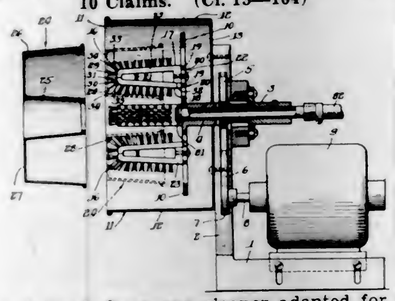
disc for said central opening and its other end terminating in a lever for forcing said disc outwardly away from said opening, and spring means engaging said ejector and said handle for normally holding said disc in closed position over said opening.

2,239,047

PAN CLEANER BRUSH

Edward M. Mathiessen, Chicago, Ill.

Application January 11, 1938, Serial No. 184,449
10 Claims. (Cl. 15—164)



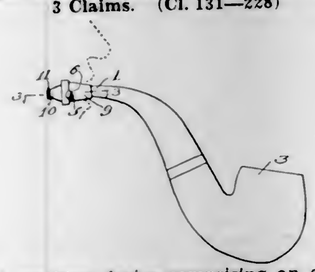
1. A brush for a pan cleaner adapted for attachment to a rotatable face plate comprising two relatively extensible sections, each section comprising an attachment flange for attachment to the face plate, an arm extending outwardly from each flange, said outwardly extending arms terminating in lateral arms projecting toward the opposite section and overlapping, said arms being tufted, inwardly projecting lug means formed on the inner portions of each of said lateral arms in opposed relationship, one of said lug means having a laterally elongated slot and the other comprising clamping means engageable with the slot to clamp the sections in any of a plurality of relatively extended positions.

2,239,048

SMOKING DEVICE

Frank S. Miller, St. Louis, Mo.

Application April 11, 1938, Serial No. 201,245
3 Claims. (Cl. 131—228)



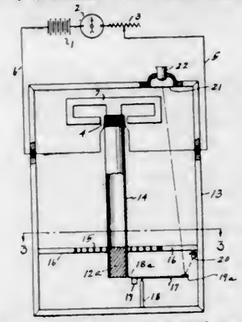
1. A smoking device comprising an elongated body having an enlarged chamber formed in the forward portion thereof with a tubular sleeve extending forwardly therefrom for engaging an end portion of a smoking article, said body having a teeth engaging stop at the rearward end thereof, said body having a lateral draft passage therein extending from said chamber to a point spaced forwardly thereof a sufficient distance whereby the teeth of the smoker may engage the back end portion of said body forwardly of the stop end behind the mouth end of said draft passage and the lips of the smoker may simultaneously engage a portion of the sleeve in advance of the passage.

2,239,049

GRAVITY METER

Truman S. Morris, Houston, Tex.

Application April 25, 1938, Serial No. 204,095
7 Claims. (Cl. 265—1.4)



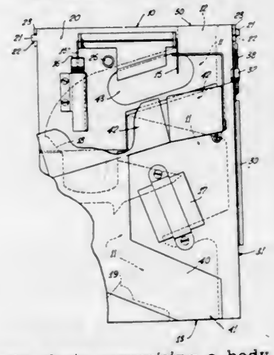
1. A gravity meter comprising a vertically movable weight which is affected by gravity, means for guiding the weight including an involute spring formed in a substantially horizontal plane, with one end connected to the weight and the other end to a support, a solenoid connected to the weight, a permanent magnet adapted to cooperate with the solenoid to support the weight, means for indicating the vertical position of the weight.

2,239,050

COIN CHUTE

William Patzer and Walter A. Tratsch, Chicago, Ill.

Application January 13, 1939, Serial No. 250,679
2 Claims. (Cl. 194—97)



1. A coin chute comprising a body defining a coin passage having a funnel-shaped entrance

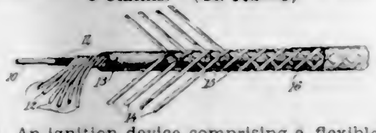
for the reception of one or more coins or tokens, means on said body defining a discharge chute adapted for communication with the passage, one wall of said passage constituting a gate normally closing communication between the passage and discharge chute, means pivotally mounting said gate for lateral movement from said body to permit the release of coins, when several coins have become lodged in said entrance, and for pivotal movement to open communication between the passage and the discharge chute, and means for imparting said pivotal movement to the gate.

2,239,051

IGNITION DEVICE FOR USE WITH SAFETY FUSES OR THE LIKE

David E. Pearsall, Pittsburgh, Pa., and John D. Rich, West Hartford, Conn., assignors to The Ensign-Bickford Company, Simsbury, Conn., a corporation of Connecticut

Application March 16, 1939, Serial No. 262,144
5 Claims. (Cl. 102—8)



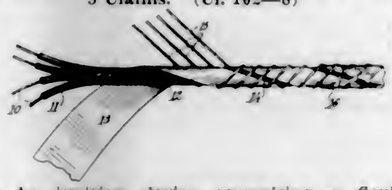
1. An ignition device comprising a flexible element capable of being formed in any desired shape independently of any supports and remain so during and after burning, a core of rapidly combustible material supported by said flexible element and a covering for said core, said covering providing substantially uniformly spaced exposed areas of the core of rapidly combustible material, whereby said ignition device as it burns will project a regulated flame from its surface.

2,239,052

RAPID IGNITION DEVICE FOR USE WITH SAFETY FUSES OR THE LIKE

David E. Pearsall, Pittsburgh, Pa., and John D. Rich, West Hartford, Conn., assignors to The Ensign-Bickford Company, Simsbury, Conn., a corporation of Connecticut

Application March 16, 1939, Serial No. 262,145
5 Claims. (Cl. 102—8)



1. An ignition device comprising a flexible powder train core, a covering for said powder train, said covering providing exposed areas of the powder train on the outer surface of the ignition device for the emission of a continuous flame from the device as it burns, the size and spacing of the exposed areas of the powder train serving to control the burning speed of the ignition device.

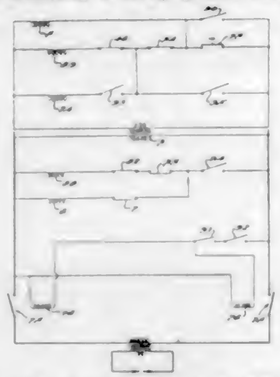
2,239,053

WELDER CONTROL SYSTEM

Frank H. Roby, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application September 28, 1939, Serial No. 296,879
7 Claims. (Cl. 219—4)

1. In a welder control system for electrically welding work by passing current therethrough between electrodes pressed against the work by fluid pressure, means for initiating the application of fluid pressure, means for energizing the electrodes to pass current through the work, and means establishing a delay period between the



initiation of electrode pressure and their energization, said means operating to establish a period of predetermined value in single welds and in the first of a continuous series of welds and a period of lesser predetermined value in the case of succeeding welds in a continuous series.

2,239,054

HAIR RINSE AND DYE APPLICATOR

Murray Rock, Denver, Colo.

Application August 16, 1940, Serial No. 352,942
4 Claims. (Cl. 132—9)



4. An applicator for applying fluids comprising: an imperforate rubber cup having an open face and a sealed back; a handle disc secured to the inner face of said closed back; a handle secured to said disc and projecting outwardly and concentrically through said back; and an absorbent pad secured within and filling said cup, said back having a depression on its inner face receiving said handle disc.

2,239,055

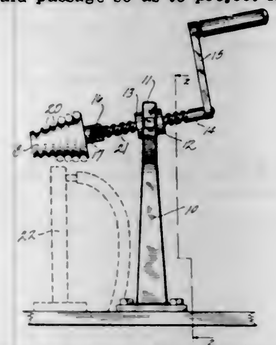
GASEOUS TUBE BENDING MACHINE

David F. Sawyer, Rock Springs, Wyo.

Application June 4, 1938, Serial No. 211,955
1 Claim. (Cl. 49—7)

A machine for forming tapered spirals from glass tubing comprising: a standard having a

bifurcated upper extremity; pivot bolts extending oppositely inward into the furcation of said extremity; a nut member pivotally mounted between said bolts, said nut member having a threaded passage extending therethrough at right angles to said bolts; a threaded shaft threaded through said passage so as to project from both



sides thereof and supported solely by said nut; a crank on one extremity of said shaft; a tapered mandrel axially supported on the other extremity of said shaft; and a spiral tubing-receiving groove in the surface of said mandrel, the spiral of said groove corresponding in pitch to the pitch of the threads on said shaft.

2,239,056

STRAPLESS BRASSIÈRE

Mary Schiffer, New York, N. Y.

Application March 4, 1939, Serial No. 259,857
5 Claims. (Cl. 2—42)



1. A strapless brassière adapted to encircle the body of the wearer in the bust region, comprising an outer section of pliable fabric material, and including a pair of bust sections having curved outer edges, fastening means for securing the same in place, a pocket disposed substantially centrally, and vertically, of the garment, a strip of boning secured within said pocket extending substantially throughout the center portion of said garment, a pair of strips of soft, flexible, boning running substantially along the edges of said central boning and curving throughout the upper edges of the bust sections constituting a part of said outer section of pliable material and straight downwardly at the outer edges of said bust sections, and a pair of elastic strips extending from the outer edges of said bust sections remote from said centrally disposed pocket to the upper extremity of said central boning, crossing and secured at such upper extremity, and extending substantially tangentially to the curved outer edges of the bust sections.

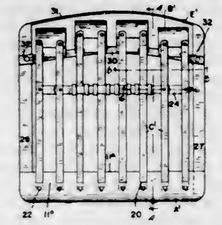
2,239,057

SEAT SPRING STRUCTURE

Edward W. Schlappritzi, Minneapolis, Minn.

Application June 28, 1939, Serial No. 281,732
3 Claims. (Cl. 155—179)

1. In a seat spring structure, a crossbar, and a plurality of longitudinally extending tie bars, said crossbar having two vertically offset substantially horizontal parts and provided between said parts with slots, one of said horizontal parts having downturned tongues, and the tie bars



resting upon the lower horizontal part and extending through said slots and engaging the underside of the upper horizontal part, said tie bars having openings receiving the downturned tongues.

2,239,058

HARD METAL ALLOY

Robert W. Schlumpf, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware

No Drawing. Application May 20, 1940, Serial No. 336,135
2 Claims. (Cl. 75—126)

1. A wear resisting alloy comprising in combination:

	Per cent
Carbon	1.00 to 4.00
Manganese	0.50 to 2.00
Silicon	0.50 to 2.00
Chromium	2.00 to 6.00
Molybdenum	3.50 to 6.50
Tungsten	14.00 to 18.00

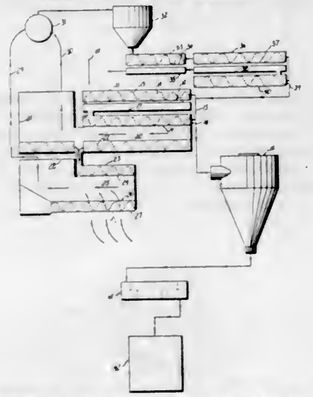
Balance iron to make up 100%.

2,239,059

METHOD OF AND MEANS FOR PROCESSING LINT

Andrew K. Schwartz and Fred J. Walker, Houston, Tex., assignors to South Texas Cotton Oil Company, Incorporated, Houston, Tex.

Application July 24, 1939, Serial No. 286,122
11 Claims. (Cl. 19—72)



1. A system for processing lint which includes, passing the lint over a foraminous surface, agitating the lint so as to cause foreign matter present

therein to fall out of said lint and through said foraminous surface, subjecting said lint to an air stream whereby said lint is picked up by said air stream while the foreign matter and some lint falls out of the air stream, subjecting said foreign matter and lint to a second stream of air whereby all the lint present and some finely divided foreign matter are picked up by the stream of air and the larger particles of foreign matter drop out of said air stream, reducing the velocity of said air streams whereby additional foreign matter is dropped out of said air streams while the lint is carried onwardly, separating said lint and foreign matter from said air streams, passing said lint and foreign matter over a foraminous surface, agitating said lint so as to cause foreign matter to drop out of said lint and through said foraminous surface, and collecting and blending the lint retained on the various foraminous surfaces.

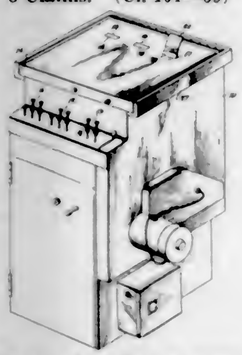
2,239,060

TICKET ISSUING MACHINE

Joseph Sloan, New York, N. Y.

Application June 3, 1940, Serial No. 338,623

8 Claims. (Cl. 101—69)



1. A spring structure having upper and lower bers and extending toward the other of said frame members, one of said leaf springs being substantially C-shape in configuration and secured to the other of said frame members, the second leaf spring having surface-to-surface contact throughout its length with the C-shaped spring and having a plurality of laterally spaced tongues at its free end.

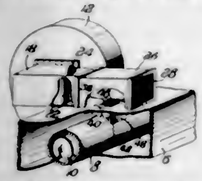
2,239,061

AUTOMATIC STOKER GAS ELIMINATOR

Earl J. Sourber, Pottsville, Pa., assignor to Klein Stove Company, Philadelphia, Pa., a partnership consisting of Nathan Klein, Gustav Klein, Harry W. Klein, Julius Klein, and Meyer Klein

Application June 11, 1940, Serial No. 339,870

3 Claims. (Cl. 110—44)



1. An automatic stoker comprising a wind box, a coal feed tube extending within said wind box, a blower for delivering air under pressure to said wind box and an air intake duct for said blower, and means for eliminating gases accumulating in said coal tube comprising, a conduit extending through said wind box and interconnecting said air intake duct and said coal tube whereby communication is established between the interior of said coal tube and said air intake duct, there being an opening in a wall of said conduit intermediate said air intake duct and said coal tube and leading to said wind box for admitting some of the air under pressure in said wind box into said conduit and said air intake duct.

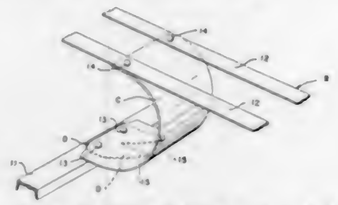
2,239,062

SPRING STRUCTURE

Everett S. Tallmadge, Robbinsdale, Minn., assignor to Edward W. Schlappritzi, Minneapolis, Minn.

Application June 3, 1940, Serial No. 338,623

11 Claims. (Cl. 5—247)



1. A spring structure having upper and lower frame members, and two leaf springs secured in overlapping relation to one of said frame members and extending toward the other of said frame members, one of said leaf springs being substantially C-shape in configuration and secured to the other of said frame members, the second leaf spring having surface-to-surface contact throughout its length with the C-shaped spring and having a plurality of laterally spaced tongues at its free end.

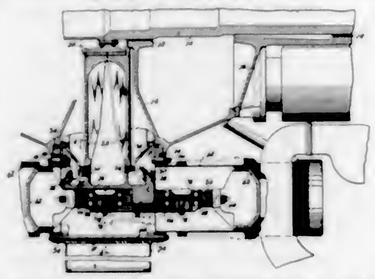
2,239,063

BARREL ENGINE

Edward S. Taylor, Cambridge, Mass., and Roland Chilton, Ridgewood, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York

Application September 10, 1938, Serial No. 229,287

17 Claims. (Cl. 74—56)



1. In an engine, a cam comprising a cylindrical drum, rims on said drum comprising inwardly facing plane tracks, a cam rim on said drum, slipper means engaging said tracks, piston members having rollers engaging said cam, cylinders cooperating with said piston members and means to secure said slipper means directly to said cylinders.

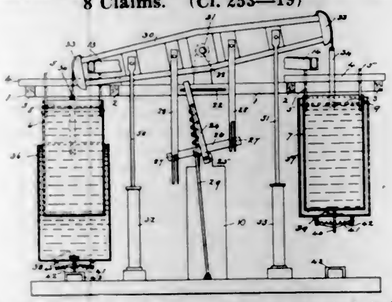
2,239,064

WATER MOTOR

George A. Tower, Richmond, Va.

Application July 11, 1939, Serial No. 283,756

8 Claims. (Cl. 253—19)



1. In a water motor: a beam pivoted intermediate its ends; a pair of tanks suspended in balance one from each end of the beam; means for conducting water into first one tank and then the other and continuously; valves on each tank for discharging water from the tank when it arrives at the bottom of its movement; and a pair of bodies arranged substantially coaxially one within each of the tanks, and adapted to displace water therein to create a reactive liquid pressure between itself and the bottom of the tank.

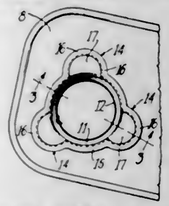
2,239,065

POURING NOZZLE

Herbert Wainwright, Baldwin, N. Y., assignor to National Seal Corporation, Brooklyn, N. Y., a corporation of New York

Application March 11, 1939, Serial No. 261,171

2 Claims. (Cl. 221—11)



2. In a pouring nozzle, a cylindrical neck having an enlarged upper portion provided with spaced-apart outwardly extending recesses having convex, vertically-disposed contours and substantially horizontal flat under surfaces, and a flat sealing surface of irregular contour and substantially uniform width lying in a single plane surrounding the top of the neck and recesses, the parts of said sealing surface in alinement with said recesses forming pouring lips having flat curved edges outwardly projecting from the irregular contour of said sealing surface with the plane of said lips coinciding with that of the sealing surface.

2,239,066

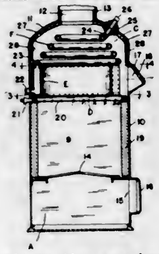
HEATER

Earnest L. Watson, Milan, Mich.

Application September 15, 1939, Serial No. 295,155

11 Claims. (Cl. 122—2)

1. A heater having a fire box and a combustion chamber arranged in superposed relation, a lining of refractory material for the fire box, a gas burner mounted on the upper edge of said lining and having gas ports inclined downwardly and inwardly toward the center of said fire box for igniting combustible material in said fire box, and a receptacle for water in said combustion



chamber just above the gas burner for receiving heat from either the burner or the products of combustion from the combustible material in the fire box.

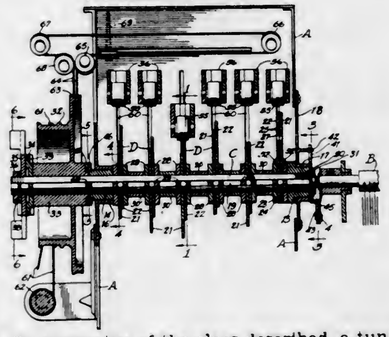
2,239,067

TUNING MECHANISM FOR RADIO RECEIVING SETS

Albert S. Wells, Chicago, Ill., assignor to Wells-Gardner & Company, Chicago, Ill., a corporation of Illinois

Original application April 25, 1938, Serial No. 204,021. Divided and this application September 26, 1940, Serial No. 358,499

7 Claims. (Cl. 74—10)



1. In apparatus of the class described, a tuning mechanism comprising a rotatable shaft, a plurality of rotatively adjustable driven elements mounted on the shaft, a common means for releasably locking all the driven elements with respect to the shaft, a separate tension means in connection with each driven element acting to apply therethrough a constant force proceeding transversely against the shaft to provide for each such element a friction lock operating independently of the common locking means aforesaid, and means engageable with each driven element to cause relative rotation between the associated element and the shaft when the common locking means is released whereby to facilitate a new setting of the driven element relative to the shaft.

2,239,068

OIL BURNER AND MOTOR UNIT

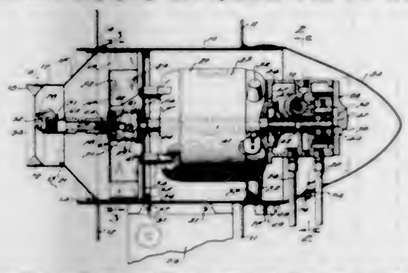
Edward L. Wood, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan

Application August 11, 1937, Serial No. 158,560

2 Claims. (Cl. 158—77)

1. A liquid fuel burning unit of the horizontal type having a resilient annular element at one

end for sealing the unit to a cylindrical wall, spaced rubber blocks at the opposite end of the unit also engaging the cylinder wall for frictionally and removably mounting the unit therein while providing a passage for air between said blocks.

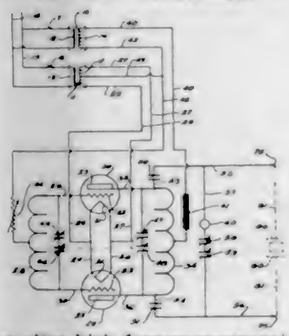


2,239,069

ULTRA HIGH FREQUENCY GENERATOR

Voyne E. Worden and Robert V. Carroll, Seattle, Wash.

Application October 18, 1937, Serial No. 169,666
3 Claims. (Cl. 250—36)



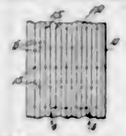
1. In an ultra high frequency generator of the character described comprising a source of electrical current of predetermined potential, two oscillator vacuum tubes provided with grids, plates and heating filaments, an energizing circuit for said heating filaments, connecting them in parallel relationship, and including a step-down transformer of predetermined output, and provided with a center tap, and having its secondary coil conductively connected to said filament energizing circuit and its primary coil conductively connected to said source of electrical current; a grid coil of predetermined capacity conductively connecting the said grids in parallel relationship and a plate coil of predetermined capacity conductively connecting the said plates in parallel relationship; a step-up transformer of predetermined output having its primary coil conductively connected to said source of electrical current and one side of its secondary coil conductively connected to the center of the grid coil and the other side of its secondary coil conductively connected to the center of the plate coil, a variable resistance included in the said connection to the said grid coil, and a radio frequency choke coil included in the said connection to the said plate coil, and having a conductive connection from the said center tap of the step-down transformer to the said connection to the said grid coil, a pair of variable condensers coupling the said grids in parallel relation, and a similar pair of variable condensers coupling the said plates in parallel relation; said pairs of variable condensers operable to vary the wave length or frequency of the generated high frequency currents, and an output circuit capacitatively coupled to ends of said plate coil.

2,239,070

NONSKID TIRE

Olin C. Work, Nutley, N. J., and Max C. Overman, New York, N. Y., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application June 16, 1938, Serial No. 214,118
4 Claims. (Cl. 152—211)



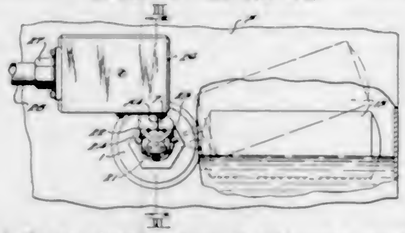
1. A tire the tread portion of which comprises a plurality of circumferential ribs of wear-resisting tread rubber, the space between the ribs containing a soft elastic rubber, said soft elastic rubber being divided into segments.

2,239,071

ELECTRIC SWITCH

Joseph J. Zeller, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application November 13, 1937, Serial No. 174,407
12 Claims. (Cl. 200—84)



1. In an electric switch, a stationary contact, a movable contact arm supporting a movable contact to be engaged and disengaged with said stationary contact in response to movement of said arm, a permanent magnet adapted to attract said arm toward the engaged position of the contacts, latching means for maintaining said arm in contacts disengaged position, resilient fingers disposed at opposite sides of a part rigid with said arm, and means for effecting movement of said fingers to move said arm to its opposite extreme positions.

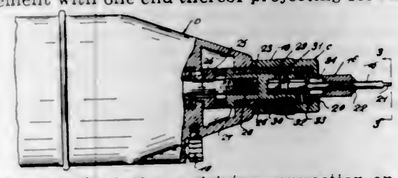
2,239,072

TOOL

Joseph L. Adams, Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application March 2, 1939, Serial No. 259,427
2 Claims. (Cl. 81—55)

1. A tool for use with a fastener of the type having two concentric members threadedly connected and provided with axially spaced tool receiving means for imparting relative rotation thereto comprising a housing, a tool element slidably but non-rotatably supported in said housing with one end projecting therefrom, resilient means for continuously urging said tool element in a direction to project the same from said housing, a driving connection on the projecting end of said tool element engageable with the tool receiving means on the internal member of the fastener, a second tool element slidably and rotatably supported within the first-named tool element with one end thereof projecting forwardly beyond the latter, a driving connection on the forwardly projecting end of said second tool element engageable with the tool receiving means on the external member of the fastener, power means for rotating said second tool element, said power means comprising a normally disengaged clutch adapted to be engaged by axial movement of said second tool element, and resilient means for continuously urging said second tool element in a direction to project the same from said first-named tool element and to disengage the clutch.

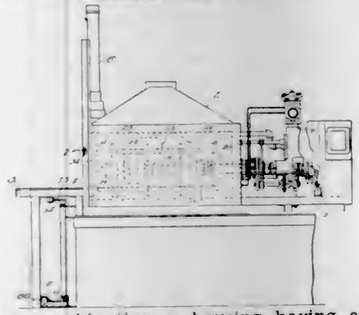


2,239,073

APPARATUS FOR CLEANING CRANKSHAFTS

Fred C. Arey, Freeport, and De Los E. Hibner, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation, a corporation of Pennsylvania

Application August 21, 1939, Serial No. 291,128
7 Claims. (Cl. 141—1)



1. In combination, a housing having a door opening in one side, a cage mounted in the housing for rotation about a more or less horizontal axis passing through the door opening and having longitudinal work-supporting elements, said cage being open on the side toward the door opening to receive work entered through the latter, a receiving table outside of the housing at the door opening and at the level of said work-supporting elements when the cage is in its charging position, and means supporting the table for movement through said door opening to bring the rear end thereof close to said work-supporting elements.

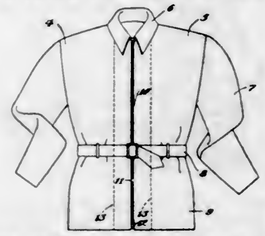
2,239,074

JACKET

Perkins H. Bailey, New York, N. Y., assignor to Talon, Inc., a corporation of Pennsylvania

Application May 20, 1938, Serial No. 209,084
1 Claim. (Cl. 2—96)

A garment of the class described of sufficient length to extend below the waist line and having a full length front opening, a slide fastener extending substantially throughout the length of the opening, and means connecting the fastener to opposite sides of the garment, the attachment of the fastener being close to the opening from the top down to the approximate waist line in order to hold the garment snug around the chest of the wearer, the connecting means at the lower end including a facing of substantial width on opposite sides of the garment turned under the edge of the material bordering the opening and being free at its inturned edge from the front of the garment, and a flap carried by said inturned edges of said facing and extending back to and in substantial alignment with the front opening, said fastener below the approximate waist line being attached only to said flap in line with said front opening.

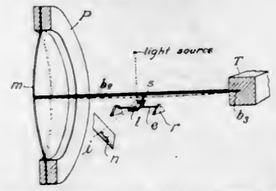


2,239,075

APPARATUS FOR PRODUCING PHOTOGRAPHIC SOUND RECORDS

Friedrich Biedermann, Unterhaching, near Munich, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application March 2, 1938, Serial No. 193,509
In Germany March 4, 1937
10 Claims. (Cl. 274—5)



1. In sound recording apparatus the combination of a mechanical system capable of being set in oscillation by sound waves, a fixed support, a single bending member rigidly supported with one end connected with said mechanical system and the other end with said fixed support and capable of being bent by movements of said system, and a light controlling device connected with the point of greatest deflection of said bending member.

2,239,076

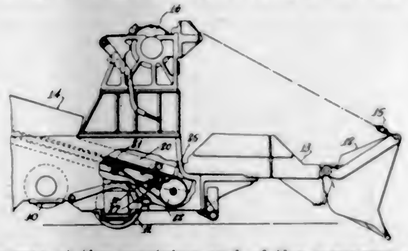
MUCKING MACHINE

Anthony R. Biedess, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 23, 1938, Serial No. 247,354
3 Claims. (Cl. 198—184)

1. In a conveyer of the type adapted to carry and have heavy rock discharged directly thereon, an endless conveyer belt, a frame along which said belt moves including a bottom plate forming a support for the underside of the upper

run of said belt, and means to lessen the shock to said belt upon the dropping of heavy material thereon including a member transversely hinged to the forward end of said bottom plate and forming a continuation thereof, said hinged member forming a support along which the belt



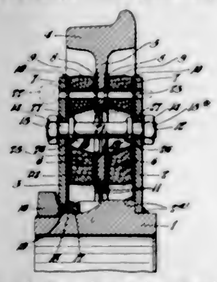
moves at the receiving end of the conveyer, and yieldable means engaging said hinged member and forming a support for the forward end thereof, permitting yieldable movement of said member about its axis of connection to said bottom plate upon the discharge of a heavy load onto said belt.

2,239,077

RESILIENT CAR WHEEL

Carroll Burton and Douglas P. Steward, Johnstown, Pa.

Application July 20, 1939, Serial No. 285,629
2 Claims. (Cl. 295—11)



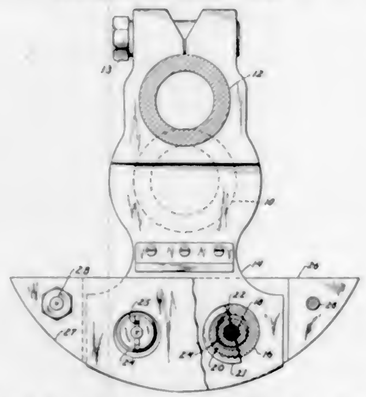
1. A wheel of the character having an outer rim with an inwardly extending web, a hub having a disk fixedly secured near one end thereof, said hub having a shoulder, a second disk keyed to the hub and clamped against said shoulder, an annular resilient member disposed between the first mentioned disk and said web, a similar annular resilient member disposed between said web and the second named disk, the said web having an axial opening therein of materially larger diameter than the portion of the hub which it surrounds, said web having a series of spaced holes therein, each of said resilient members including an inner web engaging face plate provided with an inturned flange overlapping and snugly engaging the wall of said central axial opening, each resilient member also having an outer face plate provided with an outturned peripheral flange overlapping and firmly engaging the outer edge of the outer disk adjacent thereto, a resilient core for each resilient member disposed between the respective inner and outer face plates thereof, the inner face plate of each resilient member having tubular extensions projecting into the said holes of the web, bolts extending through the tubular extensions and piercing the outer face plates and the outer disks, said bolts having shoulders whose outer faces engage the inner faces of the outer face plates, and means coacting with said bolts compressively holding said cushion elements in assembled relation with the face plates, the central web and the outer disks.

2,239,078

DYNAMIC DAMPER

Roland Chilton, Ridgewood, Wilton G. Lundquist, Hohokus, and Henry C. Hill, Paterson, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York

Application February 28, 1940, Serial No. 321,166
14 Claims. (Cl. 74—604)



1. In a torsion balancing system, a shaft extension having a bore and a bushing fitted thereto, a counterweight mass loosely embracing the extension having bores and axially slidable bushings fitted thereto, and a loose pin passing through the several bushings having means to constrain the bushings and pin against relative axial movement, the mass being free to move axially on the bushings therein.

2,239,079

INSECTICIDAL COMPOSITION

Gerald H. Coleman and Clarence L. Moyle, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 1, 1939, Serial No. 259,234
6 Claims. (Cl. 167—24)

1. An insecticidal spray comprising a non-corrosive organic solvent having dissolved therein a product selected from the class consisting of the extracts of pyrethrin- and rotenone-bearing plants, and as an active toxicant and stabilizer a halo-phenoxy-alkyl-thiocyanate.

2,239,080

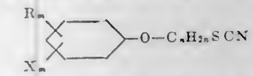
INSECTICIDAL COMPOSITION

Gerald H. Coleman, Clarence L. Moyle, and John E. Livak, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 1, 1939, Serial No. 259,235
7 Claims. (Cl. 167—24)

1. An insecticidal spray comprising a non-corrosive organic solvent having dissolved therein a product selected from the class consisting

of the extracts of pyrethrin- and rotenone-bearing plants, and as an added toxicant and stabilizer a compound having the formula



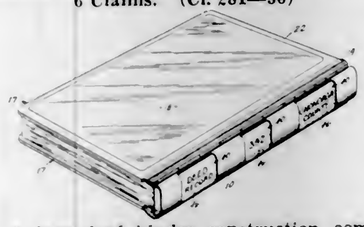
wherein R represents a hydrocarbon radical; X represents a member of the group consisting of alkyl, cycloalkyl, aralkyl, aryl, aryloxy, lower alkoxy, and alkenyl radicals, halogen and hydrogen; n represents an integer from 2 to 6, inclusive; each m represents an integer not greater than 2; and the nuclear substituted phenoxy group contains at least 8 carbon atoms.

2,239,081

LOOSE-LEAF BINDER STRUCTURE

James Cooper, Solvay, and Gerhard H. J. Baule, Syracuse, N. Y., assignors to Hall & McChesney, Inc., Syracuse, N. Y., a corporation of New York

Application March 6, 1939, Serial No. 260,054
6 Claims. (Cl. 281—36)



1. A loose-leaf binder construction comprising an outer trough-shaped back member formed of sheet metal and having an opening therein and being provided with hinge eyes arranged in spaced relation along each side thereof, a flat back member formed with hinge eyes on opposite edges, front and back covers, each being provided with hinge eyes along one edge thereof, the hinge eyes of said covers and back members being arranged in alinement, a pintle rod extending through said hinge eyes and being operable to detachably secure said back members and covers together, an inner back member arranged intermediate said outer member and said flat member and forming a closure for the opening in said outer member, said flat member being cooperable with said intermediate member to retain the same from movement relative to said outer member.

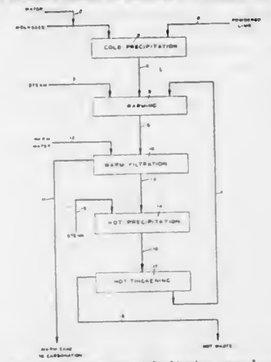
2,239,082

RECOVERY OF SUGAR FROM MOLASSES

Roy H. Cottrell and Vernal Jensen, Ogden, Utah

Original application October 27, 1936, Serial No. 107,794. Divided and this application June 8, 1939, Serial No. 277,983
8 Claims. (Cl. 127—47)

1. In a method of recovering sucrose from sugar-beet molasses, the steps of adding lime to the molasses while within a temperature range of substantially from 5° to 12° C. to precipitate calcium saccharate, adding sludge obtained from a subsequent step in the method and containing hot calcium saccharate precipitate to the resulting mixture of cold calcium saccharate precipitate cold mother-liquor, filtering the resulting mixture while within a temperature range of substantially from 30° to 35° C. to obtain a filter-cake containing cold and hot calcium saccharate precipitates, heating the filtrate from said filtration step to precipitate hot calcium saccharate, treating the resulting mixture of hot calcium saccharate precipitate and hot mother-liquor to separate the same into a sludge containing the hot



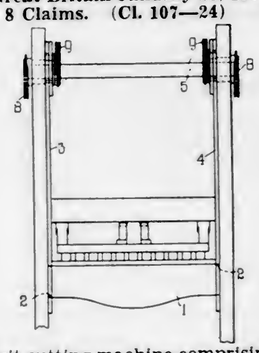
calcium saccharate precipitate and a substantially clear hot waste liquor, and adding said sludge to the mixture of cold calcium saccharate precipitate and cold mother-liquor in a previously-described step of the method.

2,239,083

BISCUIT CUTTING AND THE LIKE MACHINERY

Edward Milner Crosland, Earlestown, Newton-le-Willows, England, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England, a British company

Application March 25, 1940, Serial No. 325,919
In Great Britain January 28, 1939
8 Claims. (Cl. 107—24)



1. A biscuit cutting machine comprising a table, a cutter head reciprocable relative to said table and having a plurality of biscuit forming tools thereon, slings having one end of each adapted to support said table and having openings in the opposite ends thereof, a pair of bushes in the form of eccentric sleeves disposed one within the other and within the openings in said slings, a supporting shaft passing through the inner of said bushes, and means for rotating said bushes relative to one another whereby to displace said slings in a straight line.

2,239,084

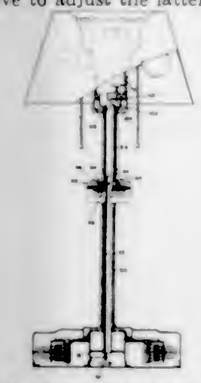
COMBINED LAMP AND RADIO RECEIVING SET

Daniel J. Crowley, Grosse Pointe, Mich.

Application April 12, 1938. Serial No. 201,634
9 Claims. (Cl. 250—14)

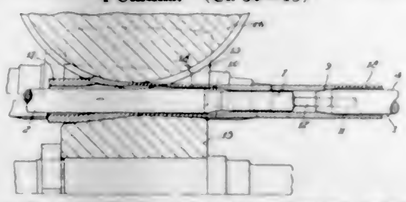
1. In a combined lamp and radio receiving apparatus, the combination of a lamp having a

base section, a shade section, a vertical stanchion supporting the shade section from the base section and including axially aligned tubes supported for rotation about the axis of the stanchion, a radio receiving circuit having parts supported within said sections of the lamp and certain of the parts being adjustable, an operative connection between one tube and one of the adjustable parts effective to adjust the latter upon rotation



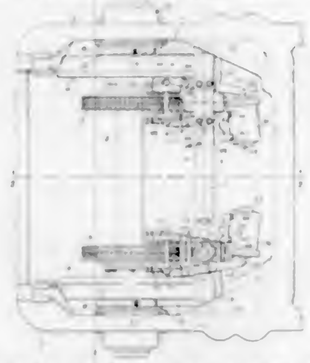
of said tube, an operative connection between the second tube and another of the adjustable parts effective to adjust the latter upon rotation of the second tube, and a control supported between the adjacent ends of the tubes for rotation about the vertical axis of the stanchion and operatively connected to one of the tubes through the medium of reduction mechanism for rotating the latter tube at a reduced rate.

2,239,085
ARTICULATED MANDREL FOR CROSS ROLLING MILLS
Samuel E. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware
Application December 17, 1938, Serial No. 246,346
4 Claims. (Cl. 80—13)



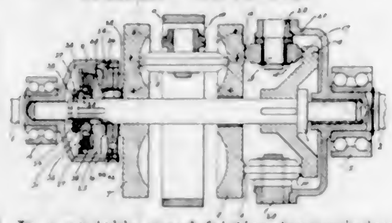
1. In a mill for elongating heated tubular blanks and simultaneously reducing the wall of each principally to a normal and locally to an upset thickness, the combination with cooperating helically acting reducing rolls, and a driven guide disc positioned in the pass of the rolls to bear upon a blank and move in the direction of longitudinal movement of the blank through the mill; of an articulated mandrel having a working face provided with spaced cylindrical portions of like diameter, a smaller diameter cylindrical portion between them, and a tapered transition portion extending from each end of the smaller to the adjoining larger diameter portion, the mandrel being formed of separable leading and trailing sections which are axially movable relative to each other during a tube elongating and upsetting operation, each mandrel section including one of said large diameter portions and its adjoining transition portion, whereby the forward end of an intermediate upset formed by the mill at the adjacent small diameter portion of the mandrel engages the transition portion on said leading section and causes it to move forwardly more rapidly than said trailing section.

2,239,086
RAILWAY BRAKE
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 8, 1939, Serial No. 303,353
11 Claims. (Cl. 188—153)



1. A brake mechanism comprising a truck frame, an axle carried thereby, a wheel mounted on the said axle, a brake ring attached to the said wheel, a brake shoe cooperating with the said ring, and means for actuating the said brake shoe, the said means including an arm mounted to pivot at a single point and at one side of said ring about the axis of the axle, a brake cylinder carried thereby, and a stop for limiting the rotation of the arm about its pivot, the said parts being so disposed that the straight line connecting the pivotal center with the stop passes closely adjacent the median plane of the periphery of the brake ring and substantially through the point through which the resultant tangential drag of the shoe acts.

2,239,087
FRICTION TRANSMISSION MECHANISM
Richard Erban, New York, N. Y.
Application October 28, 1938, Serial No. 237,379
12 Claims. (Cl. 74—208)



1. In a variable speed friction transmission, a driving shaft, a driven shaft, an intermediate shaft, races coaxial upon said intermediate shaft, rollers mounted between said races and in driving contact therewith, means to change the point of contact between the rollers and races to vary

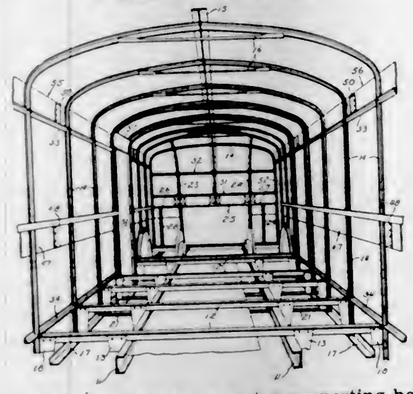
the ratio of the transmission, an element connected to said intermediate shaft and having cam surfaces thereon, cam surfaces provided on one of said races, rolling bodies interposed between said first named cam surfaces and said second named cam surfaces, and means to drive the said interposed rolling bodies from one of the two first named shafts.

2,239,088
FRACTURE NAIL
Joe J. Ettinger, Warsaw, Ind.
Application March 30, 1940, Serial No. 326,935
2 Claims. (Cl. 128—92)



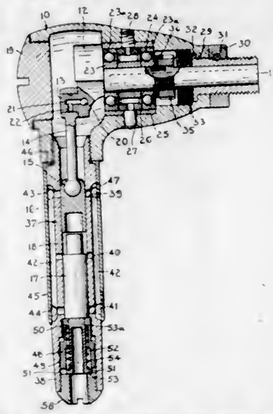
1. A headless fracture nail comprising a stem forming a longitudinally extending and laterally opening channel, said channel having a bottom arcuate in cross-section with the arc substantially a half circle, a pair of ribs extending radially from the edges of the channel and a third rib extending radially from the back of the channel and spaced equally from said pair of ribs, said ribs having the front ends provided with cutting means, the front edge portion of said pair of ribs each having one face forming a plane surface and the other face bevelled to constitute a sharp edge lying in the plane of the first mentioned face, the bevelled faces being the faces adjacent the third rib whereby the nail will be urged against a predriven guide pin engaged in said channel.

2,239,089
REINFORCED VEHICLE BODY CONSTRUCTION
William B. Fageol, Kent, Ohio, assignor to Twin Coach Company, Kent, Ohio, a corporation of Delaware
Application December 29, 1938, Serial No. 248,332
6 Claims. (Cl. 296—28)



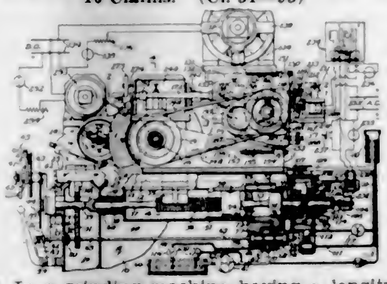
1. In a vehicle body, a motor-supporting horizontal base frame having a pair of main longitudinal members and a plurality of spaced transverse members rigidly secured to said longitudinal members, each of said transverse members bridging said longitudinal members and terminating laterally outwardly thereof at opposite sides of said base frame; a plurality of vertical body frame members and means rigidly securing each of said vertical members to an adjacent end of one of said transverse members so that said vertical members are arranged in pairs at opposite ends of each transverse member and in longitudinal rows along opposite sides of said body; transverse roof frame members bridging the upper ends of said vertical members; a skirt member below said base frame interconnecting the lower ends of said vertical members; longitudinal frame members on opposite sides of said body cooperating with said vertical members to define side window openings in said body; and a reinforcing member comprising a relatively wide thin flat metal band extending substantially entirely around said body and being interrupted only at doorways and similar passages or openings in said body, said band being secured directly, intimately and rigidly upon the outer surfaces of the vertical frame members below said window openings so that stresses in said vertical frame members are communicated directly to said band, all of said members being integrally united to provide a light-weight, unitary, combined body and chassis skeleton frame to which the external body panels and the vehicle running gear are directly attached, with said band serving to resist and uniformly distribute twisting and bending stresses set up in said skeleton frame incident to motor vibration and uneven roadway conditions.

2,239,090
PORTABLE POWER HAMMER
Lucius T. Everett, Ramsey, N. J., assignor to Dewar Manufacturing Company Inc., Brooklyn, N. Y., a corporation of Delaware
Application April 23, 1940, Serial No. 331,225
5 Claims. (Cl. 125—34)



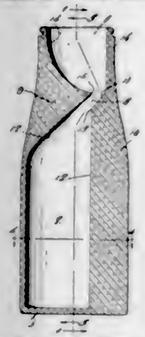
5. In a portable power hammer of the type whose percussive force is determined by the operator in holding the hammer to the work, the combination with a plunger, means for reciprocating it, and a tappet arranged to transmit the force of the plunger to the work, of a member arranged to adjust the tappet with relation to the plunger, and a spring continuously acting on said member in a direction to allow the tappet to remain out of contact with the plunger, said member having a tubular bore to receive the shank of a tool and having a closed end to prevent contact of the tool-shank with the tappet and to transmit stress, due to a blow of the plunger on the tappet, to the tool.

2,239,091
GRINDING MACHINE
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 5, 1939, Serial No. 266,085
10 Claims. (Cl. 51—95)



1. In a grinding machine having a longitudinally movable work table and a transversely movable wheel slide, a rotatable work support on said table, a rotatable grinding wheel on said slide, means to feed said wheel slide and work support relatively toward and from each other, said grinding wheel being normally held stationary during a grinding operation, an indexing mechanism operatively connected rotatably to index said grinding wheel to present a new abrasive surface for successive grinding operations, and means actuated automatically by and in timed relation with said relative feeding movement to operate said indexing mechanism.

2,239,092
MILK BOTTLE
Leland A. Gammill, Santa Barbara, Calif.
Application February 7, 1940, Serial No. 317,750
2 Claims. (Cl. 215—31)



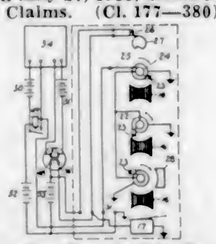
1. A milk bottle including a body and neck defined by a bottom wall and vertical walls, an enlargement formed on certain of said vertical walls interiorly of the body and a portion of the neck, a second enlargement formed on other walls of the body and neck to coact with the first-named enlargement in defining upper and lower chambers connected by an upwardly inclined passage, said first-mentioned enlargement having a vertical face and an upwardly and outwardly inclined face, said faces merging in defining a shoulder at the lower end of the neck, said second-mentioned enlargement having an upwardly and inwardly inclined face and a concave face, said faces of the second-named enlargement merging with each other to define a second shoulder located in a plane above the first shoulder with an overlapped relation thereto and located at the other end of the passage, said concave face of the second-mentioned enlargement gradually merging into certain vertical walls of the neck, said upwardly and inwardly inclined face of the second-named enlargement having a transverse curvature to permit the latter-named face to merge gradually into certain vertical walls of the body, certain of said faces of the enlargements and the shoulders coacting in forming the passage of segmental shape in cross section.

2,239,093
CROCKERY
William Leslie Giller, Leamington Spa, England
Application February 20, 1940, Serial No. 319,985
In Great Britain June 24, 1938
5 Claims. (Cl. 65—13)



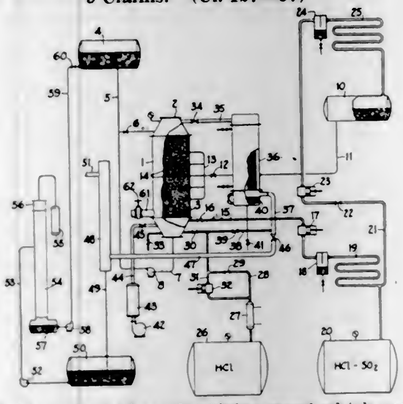
1. Cups and like articles of crockery having a lower portion of less external diameter than the internal diameter of the upper portion, including a plurality of circumferentially spaced shoulders on said upper portion, whereby when said article is fitted into another similar article, said shoulders rest on the brim of said other article and define intermediate axially directed spaces opening through the lower edge of the article for the admission and escape of washing or sterilising fluid into and from the space between the articles.

2,239,094
COMMUNICATION EQUIPMENT
James O. Harvey, Oakland, Calif.
Application May 27, 1938, Serial No. 210,401
8 Claims. (Cl. 177—380)



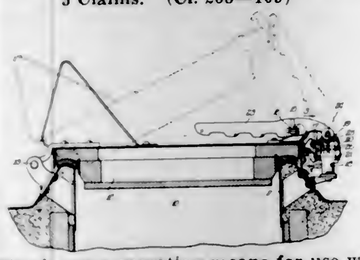
8. In apparatus for electrically transmitting information as to a prevailing changeable condition, means for setting up a series of contact actuating elements in accordance with changes in such condition, an impulse circuit including a movable contactor adapted to traverse said contact actuating elements to create corresponding impulses in said circuit, said contactor being normally out of contact with and spaced from said contact actuating elements to create a time interval before establishing engagement with any of said contact actuating elements to create such impulses, a transmitter having a normally open filament circuit and an anode circuit, means for simultaneously closing said filament circuit and initiating movement of said movable contactor, and means in said impulse circuit for keying said anode circuit in response to impulses developed in said impulse circuit following said time interval.

2,239,095
SACCHARIFICATION OF WOOD
Rudolph Leonard Hasche, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 21, 1939, Serial No. 280,371
5 Claims. (Cl. 127—37)



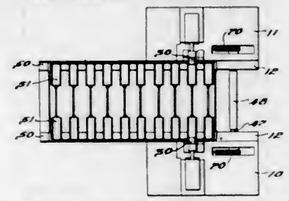
3. A method of saccharifying wood which comprises wetting pieces of wood with dilute hydrochloric acid so that the water present is at least 12% of the dry weight of the wood, treating the mass with a mixture of liquefied SO_2 and liquefied anhydrous HCl in an amount sufficient to increase the strength of the hydrochloric acid in the wood to at least 50%, the SO_2 being allowed to evaporate off thereby absorbing heat from the solution of HCl in the moisture of the wood and lowering the temperature of the mass to that at which no carbonization of the cellulose present will occur, alternately pumping cold HCl gas under pressure into the mass and releasing the pressure a plurality of times and subsequently allowing the mass to stand until the cellulose of the wood has been substantially converted into sugar.

2,239,096
HATCH COVER OPERATING DEVICE
Cyrus J. Holland, Chicago, Ill.
Application January 8, 1940, Serial No. 312,893
5 Claims. (Cl. 268—109)



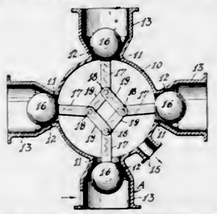
1. Hatch cover operating means for use with a cover and a hatch frame, comprising, in combination, brackets secured respectively to said cover and frame, the cover bracket having a portion projecting over the edge of the cover, an operating-lever-extension mounted on the frame bracket for oscillation on a pivot, the axis of which is transverse to the adjacent frame, said lever extension having a cam, and an operating lever mounted for oscillation on the lever extension on a pivot, the axis of which is parallel to the adjacent frame, said cam being positioned to cooperate with the extension on the cover bracket to raise the cover when said lever extension is caused to rotate from a vertical to a horizontal position.

2,239,097
SPRING MOUNTING MACHINE
Frank J. Horton, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Refiled for abandoned application Serial No. 58,818, January 13, 1936. This application August 2, 1940, Serial No. 349,802
10 Claims. (Cl. 140—3)



1. In a spring mounting machine, a pair of units having a trackway therebetween, each of said units including a pair of jaws, means for synchronously actuating said jaws and means actuated synchronously with said jaw actuating means for moving work along said trackway.

2,239,098
MULTIPLE VALVE FOR INVERTIBLE TANKS
Frank B. Hunter, Wyckoff, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application June 10, 1939, Serial No. 278,406
10 Claims. (Cl. 137—21)

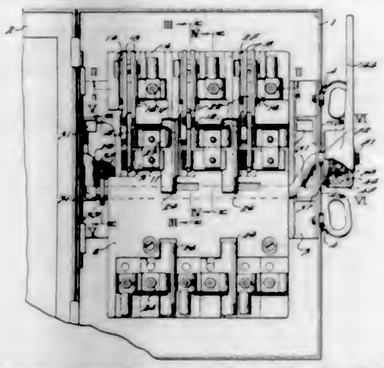


1. An outlet valve for a tiltable and invertible tank comprising a housing having an outlet opening and having a plurality of at least four valve seat openings spaced uniformly around the housing, a valve on each seat having a stem extending into the housing, and links pivotally attaching each said stem to the adjacent stems.

2,239,099
ELECTRIC SWITCH
John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application July 2, 1937, Serial No. 151,710
10 Claims. (Cl. 200—67)

1. In an electric switch, an enclosing box having an openable cover, a hingedly mounted supporting pan mounted on said box in spaced relation to the back wall thereof, an operating bail pivoted in said pan and movable therewith, a cup-shaped extension on the back surface of said pan, a spring guide pivotally mounted in said extension and engageable with said bail, a com-

pression spring about said guide and adapted to be moved through a dead center position by movement of said bail, a manually engageable handle portion at the exterior of said box for effecting movement of said bail, an insulating base mounted on said pan in front of said bail,



switching elements mounted on the front face of said base, and operating means attachable to said elements and extending through said base into engagement with said bail for effecting movement of the switching parts in response to movement of the bail to perform the switching operation.

2,239,100

ELECTRICAL CONNECTOR

John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application November 8, 1937, Serial No. 173,317
11 Claims. (Cl. 173—259)



4. An electrical connection of the solderless type, comprising a conducting strap, a generally rectangular shaped clamping member mounted on said strap, disposed entirely in front of said strap and connected to its front face by means accessible from the front, said means being obscured by a conductor to be clamped in the connector, a clamping screw threaded in said clamping member, and a conducting member disposed between said conducting strap and said clamping screw and movable with respect to the clamping member, said conducting member forming a seat against which the clamping screw forces the conductor to be clamped, said conducting member being adapted to be pressed against the strap in conducting relation when the conductor is clamped thereagainst by the clamping screw.

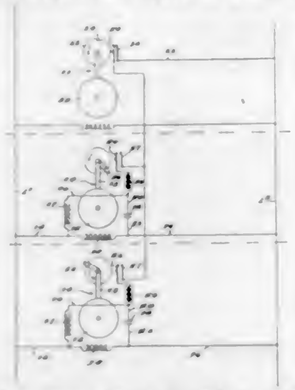
2,239,101

SYSTEM FOR SYNCHRONIZING SINGLE PHASE MOTORS

Walter M. Jeffers, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application May 23, 1940, Serial No. 336,809
3 Claims. (Cl. 172—293)

1. In a system for synchronizing a plurality of single phase motors, each of said motors including a rotor, a first field winding connected across the line, a second field winding connected across the line in series with a phase displacement means operable to effect a phase displacement in said winding, whereby said windings produce a rotating field, a second phase displacement means connected in shunt with said first displacement means and operable when energized



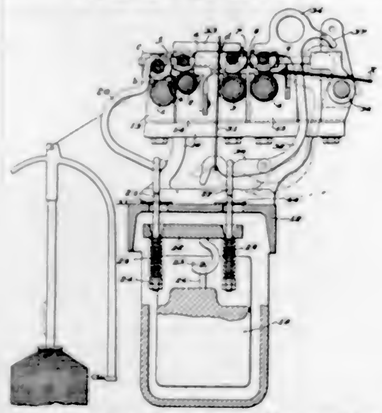
to effect a phase displacement in said second winding in the opposite direction to cause said rotor to stop, said shunt circuit including normally open switch means operated by the rotor to periodically close said switch, the shunt circuit of each motor being connected through a normally closed switch, and means operable to periodically open said switch.

2,239,102

DRAWING MECHANISM FOR TEXTILE FIBERS

Robert M. Jones, Biddeford, and Virgil A. Burnham, Saco, Maine, assignors, by mesne assignments, to Saco-Lowell Shops, Biddeford, Maine, a corporation of Maine

Application May 10, 1937, Serial No. 141,606
6 Claims. (Cl. 19—135)



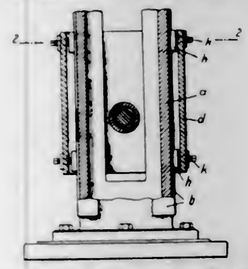
6. In a drawing mechanism, the combination with four pairs of top and bottom drawing rolls and means supporting them in a series for operation successively on a roving and to feed said roving continuously through the series from one pair of rolls to the next, of means for weighting the top rolls of said series comprising a saddle bearing on the two top intermediate rolls, a floating lever, a stirrup connecting said saddle with one end of said lever, two hooks having upper end portions riding on the front and rear rolls, respectively, the hook for said rear roll being pivotally connected to the end of said lever opposite the connection thereto of said stirrup, and means for weighting the hook for said front roll and said floating lever including two hangers depending respectively from said lever and front hook, coiled springs through which said hangers extend, with the lower ends of said hangers supporting the respective springs, and a bar against which the upper ends of said springs bear.

2,239,103

HEADSTOCK FOR MACHINE TOOLS, PARTICULARLY GRINDING MACHINES

Karl Jung, Berlin, Germany

Application June 28, 1938, Serial No. 216,379
In Germany November 15, 1937
5 Claims. (Cl. 51—166)



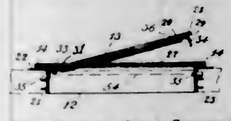
1. In a machine tool, particularly a grinding machine, in combination, a headstock comprising a homogeneous hollow body, a spindle journalled in said headstock, a guide column embraced by said headstock, control surfaces provided on an outer side of the headstock located parallel to the movement of the headstock and arranged exactly with respect to the spindle axis, and guide elements bearing against said surfaces, said guide elements projecting into the interior of the headstock and engage said guide column.

2,239,104

COMBINED FIRE SHUTTER AND OBSERVATION WINDOW FOR MOTION PICTURE PROJECTION BOOTHS

Emil A. Kern, South Orange, N. J.

Application February 7, 1938, Serial No. 189,112
3 Claims. (Cl. 189—45)



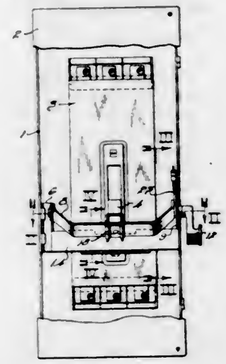
1. In combination, a face flanged rectangular frame, parallel guides along opposite face flanges and extending beyond the frame, a slidable frame closure member in said guides movable to positions exposing or concealing the opening of the rectangular frame, a transparency frame hinged in the opening of the rectangular frame flush with the face flanges and opening only in the direction of said slidable frame closure member whereby said transparency frame is locked closed by the closing of the slidable frame closure member.

2,239,105

CIRCUIT BREAKER ENCLOSING AND OPERATING MEANS

Ralph H. Kingdon, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application November 8, 1937, Serial No. 173,319
7 Claims. (Cl. 200—50)



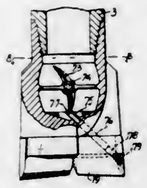
1. Enclosing and actuating means for an automatic electric circuit breaker comprising an outer enclosing box having an openable cover, an enclosed automatic electric circuit breaker mounted within said box and having an operating handle exterior to its enclosure and within the box, and an operating crank mounted on said box in front of said circuit breaker and connected to said handle and having a manually operating handle at the exterior of the box, said crank being mounted for rotation about a longitudinal axis under the influence of said exterior operating handle to effect movement of the circuit breaker handle within the box, said crank being pivotally mounted on the box independently of the cover and adapted to be bodily swung to the exterior of the box when the cover is opened while maintaining said circuit breaker within the box.

2,239,106

WELL DRILL

Leo W. Krall, Houston, Tex., assignor of one-half to W. M. Mercer, Houston, Tex.

Application January 28, 1939, Serial No. 253,266
4 Claims. (Cl. 255—61)



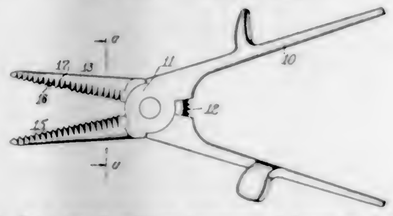
1. A drill head, cutters thereon, a passage for flushing fluid through said head, a valve plate mounted transversely of said passage and pivoted to rotate therein, means engaging said plate to hold it in open position, said holding means being releasable in response to a predetermined amount of wear upon said cutters, whereupon said valve plate may be moved by said flushing fluid to partially close said passage.

2,239,107
COMPOSITE BOARD
Victor Lefebure, London, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application December 7, 1937, Serial No. 178,625
In Great Britain December 18, 1936
12 Claims. (Cl. 154—45.9)



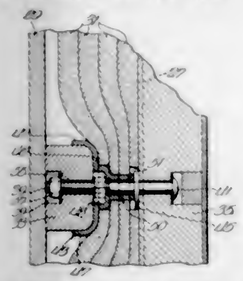
1. A plaster composite comprising a mineral core having at least one layer of fibrous material of sufficient strength, bonded thereto with sufficient firmness, to impart sufficient strength to the composite to enable it to withstand breakage during normal transport and handling, the said fibrous layer being capable of separation from said mineral core whereby the surface of said mineral core is exposed.

2,239,108
WEED PULLER
Louis H. Lindemann, Chicago, Ill.
Application December 26, 1939, Serial No. 311,046
3 Claims. (Cl. 294—118)



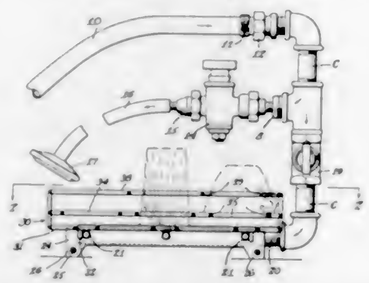
3. In a weed pulling instrument having pivoted jaws, meshing teeth to provide a gripping zone carried by said jaws, said teeth having grooves therebetween, said grooves extending laterally therefrom to provide passages for the dissipation of matter from the gripping zone.

2,239,109
REFRIGERATOR CAR CONSTRUCTION
John S. Lundvall, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application July 1, 1939, Serial No. 282,399
9 Claims. (Cl. 105—423)



1. In a refrigerator car, means forming an outer wall, a layer of insulating material on said wall and having an aperture therethrough and means to hold it in place comprising a cleat, anchoring means extending through the aperture in said insulating material and anchoring said cleat on said outer wall, and spacing means extending through the aperture in said insulating material for limiting the compressive effect of the cleat on said insulating material, said anchoring means comprising a bolt carried on said wall, said spacing means comprising a plate having a socket opening on one side of the plate and an elongated embossment on the other side of said plate, said plate having an aperture through said embossment opening in said socket for receiving said bolt whereby said plate may be supported on the bolt, and held in place by a nut on said bolt in said socket whereby the cleat may be held against said plate by fastening means on said bolt without interference from said nut in said socket.

2,239,110
CLEANSING DEVICE FOR DISHES AND THE LIKE
John J. Mahoney, Boston, Mass.
Application July 12, 1939, Serial No. 284,043
5 Claims. (Cl. 141—9)

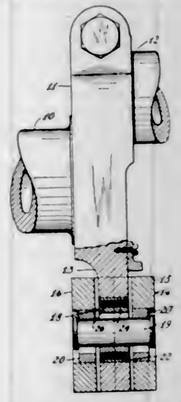


2. A device for cleansing dishes in combination with a dish supporting rack, said device comprising supporting means, conduit instrumentalities connected to said supporting means having groups of orifices therein spaced apart, said rack resting on said conduit instrumentalities and having a bottom member, an intermediate member spaced therefrom, and a top member, said three members being in different horizontal planes, said bottom member being adapted to support drinking glasses, said intermediate member having bars providing enclosures for spaces adapted to receive drinking glasses or the like, said top member having bars providing enclosures for spaces greater in size than the first-mentioned spaces and adapted to receive drinking cups, said spaces of said top and intermediate members being so positioned that they are in vertical alinement with each other, said rack being so positioned with relation to said supporting means and said conduit instrumentalities that said spaces are in alinement with groups of said orifices.

2,239,111
DYNAMIC DAMPER
Vincent T. Moore, Port Washington, N. Y., assignor to Wright Aeronautical Corporation, a corporation of New York
Application April 6, 1940, Serial No. 328,267
9 Claims. (Cl. 74—604)

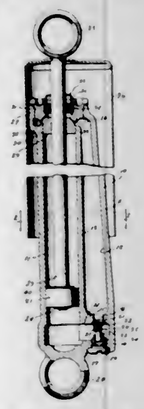
1. In a pendulum counterweight for a shaft system comprising a shaft extension embraced by the counterweight and a pin loosely connecting the counterweight with the extension, a bushing in the extension on which said pin rollably

bears, and a plurality of flat annuli stacked upon



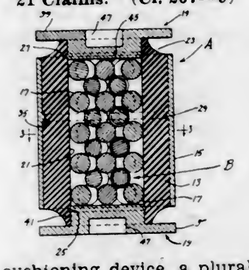
and embracing the bushing, the annuli being fitted to the extension.

2,239,112
SHOCK ABSORBER
John M. Nickelsen, Ann Arbor, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application April 18, 1938, Serial No. 202,737
11 Claims. (Cl. 188—88)



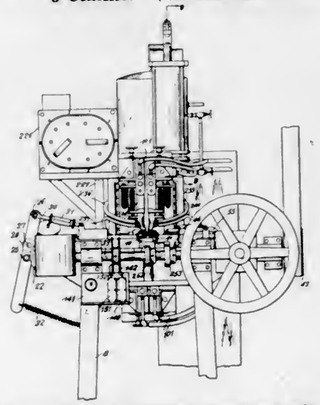
1. In a direct acting shock absorber, a pressure cylinder and a reserve chamber cast in one piece with the ends at one end of the shock absorber open, a closure for said open ends having provision for closing said ends against communication with each other, a lateral extension at the opposite end of the reserve chamber having an inner wall forming the opposite end wall of the reserve chamber, a port through said inner wall establishing communication between the pressure cylinder and reserve chamber, a filler plug secured in a filler opening formed in the outer wall of the extension, a valve member slidably supported on the filler plug and having a portion engageable with a valve seat surrounding said port, yieldable means also carried by the plug for urging the portion aforesaid of the valve member against the seat, and a bleed opening through the valve member establishing communication between the reserve chamber and cylinder.

2,239,113
CUSHIONING DEVICE
Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1939, Serial No. 264,391
21 Claims. (Cl. 267—9)



1. In a cushioning device, a plurality of ball-like elements, and resilient confining means supporting said elements in a column.

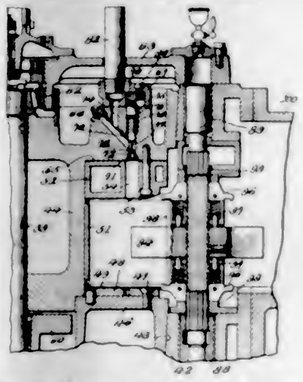
2,239,114
MACHINE FOR MAKING CHAINS
Frederick A. Olmstead, Cleveland Heights, Ohio, assignor to The Hodell Chain Company, Cleveland, Ohio, a corporation of Ohio
Application August 2, 1939, Serial No. 287,987
3 Claims. (Cl. 219—5)



1. In a machine for making welded wire chain, the combination of a frame, means for intermittently moving a plurality of assembled wire chain links through a welding station, a plurality of fluid pressure motors comprising relatively reciprocable members, electrodes carried by one of said members of each of said motors, said electrodes being adapted to be moved into engagement with opposite ends of the wire of a chain link in the welding station upon the application of fluid pressure to said motors, means for supplying to and exhausting fluid pressure from said motors in timed relation to the movement of the chain links through the welding station, means including an electronic control device for subjecting a chain link in the welding station to a welding current of a limited number of cycles of alternating current while said electrodes are in contact therewith, means for moving the ends of the wire of a chain link in the welding station towards each other while said electrodes are engaged therewith, and means for movably connecting said members of

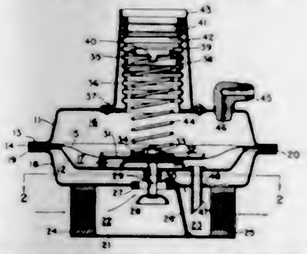
said fluid pressure motors other than the members to which the electrodes are operatively connected to said frame whereby said electrodes may move with the end of the wire of a chain link with which they are engaged.

2,239,115
APPARATUS FOR PACKAGING PRODUCTS IN A VACUUM
Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 24, 1939, Serial No. 264,047
11 Claims. (Cl. 226—82)



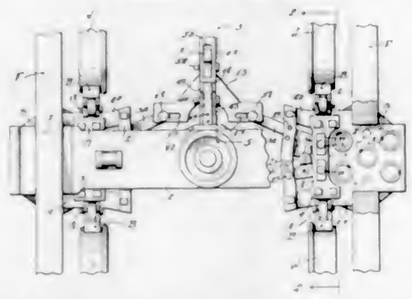
1. In apparatus of the character described, a closure casing having container receiving and discharging opening equipment, a slowly moving container carrier rotatable in contact with said casing having powdered material bearing container confining chambers formed peripherally therein and a restricted vacuum value determining orifice formed directly therein movable with and communicating with each chamber, and means effective through and controlled by said orifices for slowly and steadily subjecting said chambers to a definite low vacuum predetermined by the size of said orifices whereby containers bearing powdered material may be vacuumized without withdrawing powdered material therefrom.

2,239,116
FLUID PRESSURE REGULATOR
William A. Ray, Glendale, Calif.
Application January 11, 1939, Serial No. 250,401
1 Claim. (Cl. 50—23)



A fluid pressure regulator comprising an upper and a lower dished sheet metal member each provided with a peripheral horizontal flange by means of which said members are secured together to provide a chamber, a flexible diaphragm dividing said chamber into an upper and a lower compartment and secured at its margin between said flanges, a third sheet metal member downwardly dished and provided with a peripheral horizontal flange and secured thereby to the underside of the flange of said lower member, said third member being provided with a horizontal passageway having an inlet and an outlet, means in said inlet and said outlet for connecting the regulator in a fluid conduit, valve means for controlling fluid flow through said passageway, means operatively connecting said valve means with said diaphragm and extending freely through an opening formed in the bottom wall of said lower member, aspirating means connecting the interior of said lower compartment with said outlet, and means in said upper compartment biasing said diaphragm downward and therethrough said valve means to open position.

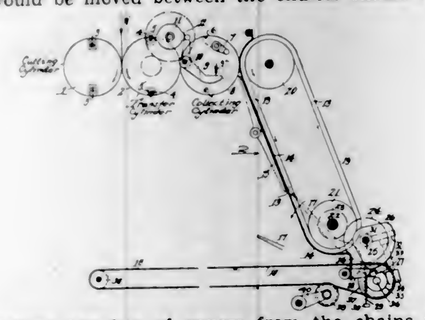
2,239,117
BRAKE ACTUATING MECHANISM
William I. Riley, Trussville, Ala.
Application November 16, 1939, Serial No. 304,839
7 Claims. (Cl. 188—53)



1. In combination with the side frames of a wheel truck, inwardly disposed plates carried by said frames and extending between adjacent wheels comprised in the truck, substantially aligned plungers carried by each of the plates, brake shoes carried by the plungers, a rigid link pivotally engaged with the plate and one of the plungers carried thereby, a lever having one end portion pivotally connected with the second plunger, a cam plate carried by the pivoted end portion of the lever disposed toward the rigid link, said link having a part contacted by the cam plate upon movement of the lever in one direction to force both of the plungers outwardly.

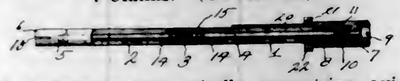
2,239,118
DELIVERY MECHANISM
Oscar C. Roesen, Scarsdale, N. Y., and Isidor Tornberg, Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application August 12, 1938, Serial No. 224,426
4 Claims. (Cl. 270—47)

3. In a delivery mechanism the combination of endless delivery chains, shafts provided with pulleys for operating the chains, a cam shaft driven from one of said shafts, a cam on the cam shaft, a worm on said cam shaft, a worm wheel meshing with said worm, delivery belts, connections from said worm wheel to the delivery belts for driving same, a shaft provided with fly sticks and an arm on said shaft in position to be operated by said cam whereby the fly sticks would be moved between the endless chains to



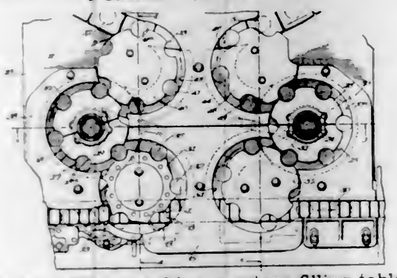
deliver bunches of papers from the chains to the delivery belts.

2,239,119
PERMANENT WAVE SPINDLE
Mary K. Rutledge, Cleveland, Okla.
Refiled for abandoned application Serial No. 752,864, November 13, 1934. This application July 30, 1940, Serial No. 348,495
7 Claims. (Cl. 132—34)



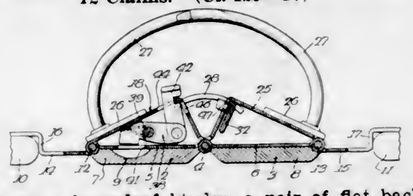
1. A hair waving spindle comprising axially aligned independently rotatable sections around which a continuous coil of hair is wound, means between said sections and cooperating with said sections for holding the same against rotation after they have been selectively and independently rotated for tightening the coil of hair in a direction from inwardly towards its ends and means carried by the spindle for tightening the end convolutions of the coil of hair around the spindle.

2,239,120
FILLING MACHINE
Robert J. Stewart and Frank S. Bell, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application September 29, 1937, Serial No. 166,403
4 Claims. (Cl. 226—75)



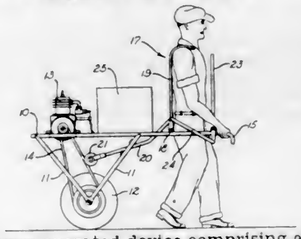
1. In a filling machine, a rotary filling table, a stationary table, rotary syruping and crowning mechanisms, a pair of rotatable dials to respectively move containers from the syruping mechanism to the filling table and to move containers from the filling table to the crowning mechanism, said rotary table, mechanisms and dials being mounted on vertical shafts arranged along a substantially V-shaped figure with the table shaft at the apex thereof, a vertical drive shaft within said figure, means to drive the dial shafts from the latter shaft, means to drive the table from a dial shaft, and means to drive each of said mechanisms from the adjacent dial shaft.

2,239,121
LOOSE-LEAF BINDER
Charles V. St. Louis, Chicago, and Fred D. Wedge, Lombard, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application February 8, 1939, Serial No. 255,196
12 Claims. (Cl. 129—17)



1. In a loose-leaf binder, a pair of flat back sections and a pair of cover members hinged to lie in a common plane, a pair of box members of triangular cross section mounted on said back sections, one of said box members being shiftable relative to its back section, releasable means to prevent shifting of said box member, and a prong carrying plate mounted on each of said box members.

2,239,122
POWER OPERATED VEHICLE
Charles L. Stokes, Santa Monica, Calif.
Application May 28, 1938, Serial No. 210,652
5 Claims. (Cl. 180—19)

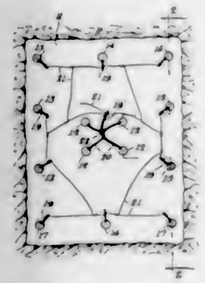


2. A power operated device comprising a frame, a pair of handles at one end of the frame, a ground engaging wheel journalled in said frame, an engine carried by said frame for driving said ground engaging wheel, drive mechanism including a clutch for connecting the engine and the ground engaging wheel, and means pivotally connected to the frame between the engine and the handles in position to be moved by the operator's trunk to make said clutch mechanism operative to move said frame when the operator's trunk engages said pivotally connected means while he is holding said handles, and to render the drive mechanism inoperative to move the frame when the operator's trunk moves out of contact with said pivotally connected means.

2,239,123
BLASTING WITH SAFETY FUSE
Jay B. Stoneking, Livermore, Calif., assignor to The Ensign-Bickford Company, Simsbury, Conn., a corporation of Connecticut
Application March 1, 1939, Serial No. 259,135
4 Claims. (Cl. 102—5)

1. A system of securing rotational firing of a round of blasting charges or a pyrotechnic dis-

play in any desired order from a safe distance away, which comprises attaching to the free ends of approximately equal lengths of safety fuse connected to the respective charges, an ignition cord which burns at a definite rate which is much faster than the burning rate of the safety fuse and projects a regulated flame from its surface while burning, using lengths of safety fuse such that the time of burning of one length thereof will be greater than the time of burning of the



portion of ignition cord that remains unburned at the time of ignition of the first fuse end, so arranging the order of attachment of the safety fuse ends to the ignition cord that the length of said ignition cord between the ends of the safety fuse and the point at which the ignition cord is ignited will be the determining factor of the order of setting off the charges, and igniting the safety fuse ends by igniting the ignition cord at a point in advance of the first charge to be set off.

2,239,124

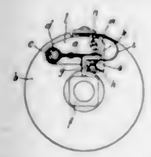
INTERRUPTER FOR IGNITION DEVICES

Karl Straub and Adolf Ellwanger, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany

Application November 4, 1938, Serial No. 238,846

In Germany November 29, 1937

5 Claims. (Cl. 200—30)



1. In an interrupter, the combination of a stationary contact, a rocking arm, a movable contact for cooperating with said stationary contact, said movable contact being directly and rigidly mounted upon said rocking arm, a rotary cam, a cam follower for cooperating with said cam and operating said rocking arm, a biasing spring secured to said rocking arm for urging said movable contact towards said fixed contact, and common means for securing the movable contact, the biasing spring and the cam follower to said rocking arm with the contact in alinement with said securing means and said cam follower and biasing spring being secured to said rocking arm at the point of attachment of said movable contact to said rocking arm, whereby the force of said spring and the force of said follower act directly upon said movable contact and whereby the rocking arm is not inflected by the resilient force of said spring.

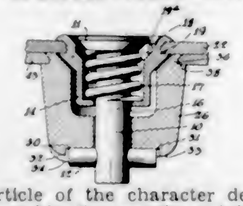
2,239,125

FASTENER

J Mills Summers, Englewood, N. J.

Application June 20, 1939, Serial No. 280,080

11 Claims. (Cl. 24—221)



4. An article of the character described including in combination a spring retainer adapted for mounting on a member, said retainer being formed with an opening extending therethrough and having an external bevelled centering and bearing surface intermediate its ends, a rotatable stud positioned within and through said spring retainer and having one end extending beyond the same, transversely extending abutments formed on said stud adjacent the end thereof and beyond the lower edge of said retainer, a manipulating head portion formed at the opposite end of said stud, a resilient member interposed between said stud head and said spring retainer and a socket member having an internal bevelled centering and bearing surface cooperating with the centering and bearing surface of said spring retainer and adapted to be mounted on a second member and having a spring retainer accommodating recess and being formed with opposed spiral trackway portions, said stud abutments cooperating with said trackway portions of said socket member upon rotation of said stud to hold said members in resilient contact with one another.

2,239,126

METHOD OF DAMPPROOFING OF MASONRY STRUCTURES AND A LIQUID COATING COMPOSITION THEREFOR

Waitstill H. Swenarton, Montclair, N. J.

No Drawing. Application March 29, 1939, Serial No. 264,736

5 Claims. (Cl. 134—39)

1. The method of waterproofing which comprises applying to an inside surface of masonry construction while water is penetrating through such surface, a coating of a member of a group consisting of a waterproof paint, varnish and enamel having a liquid vehicle containing a member of a group consisting of a drying oil and a bituminous compound and which contains dry, powdered bentonite in suspension therein, and which vehicle, if isolated from said bentonite, is water immiscible, slow drying and water-repellant, said bentonite being present in an amount exceeding 2% by weight of the coating and sufficient to permit of the application of such coating to the wet surface as an even film and to cause the firm adherence of such film to such damp surface and then permitting the coating to dry.

2,239,127

WALL STRUCTURE

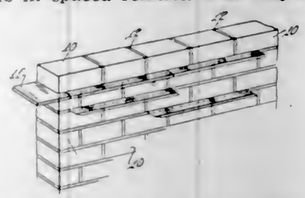
George E. Swenson, Hastings on Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware

Application July 25, 1938, Serial No. 221,053

7 Claims. (Cl. 72—105)

6. The combination with a masonry wall construction comprising courses of masonry units, of

courses of strip form joint forming material between superposed masonry courses, a part at least of the strip form joint forming material extending beyond a face of the masonry wall and serving for the attachment of other structural members in spaced relation with respect to the



surface of the masonry wall, and portions of said joint forming material extending beyond a face of the masonry wall offset laterally with respect to other portions thereof, whereby circulation of air will take place between the aforesaid wall construction and attached structural members.

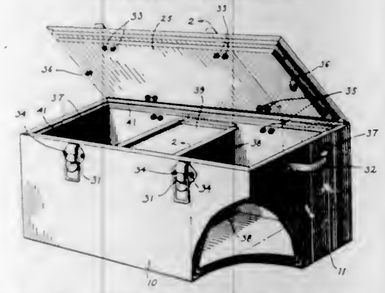
2,239,128

PORTABLE INSULATED CONTAINER

George Sykes, Ossining, N. Y., assignor, by mesne assignments, to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois

Application June 20, 1935, Serial No. 27,465

3 Claims. (Cl. 220—9)



1. In a thermally insulating portable container, a body member comprising a box with an open top, the walls of said box comprising spaced substantially parallel shells of relatively rigid sheet material, a sheet of heat reflecting insulating material mounted in the space between said shells, means for locating and maintaining said shells and insulating sheet is spaced relation, manipulating members on the outside wall of said container, said manipulating members being retained in place by said maintaining means, and said maintaining means being positioned around the mouth of said container whereby the paths for heat transfer through the walls of said container are reduced to a minimum.

2,239,129

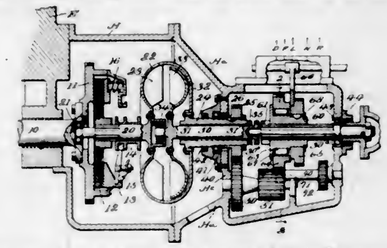
TRANSMISSION SYSTEM

Otto E. Szekely, Philadelphia, Pa., assignor to Szekely Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application February 28, 1939, Serial No. 259,034

11 Claims. (Cl. 74—189.5)

1. A transmission system comprising a driving member, a driven member, a fluid fly-wheel having two relatively movable parts of which one is connected to the driving member, selectively engageable means effective in one position for connecting the driven member directly to the driving member and effective in another position for connecting the other part of the fly-wheel to the driven member, and a low-speed high-torque train connecting the driving and driven members



and including an over-running clutch for permitting the driven member to turn faster than the drive relationship through said train when the torque demand upon the driven member is not greater than the torque transfer through the fluid fly-wheel.

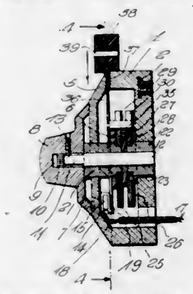
2,239,130

COMBINATION IGNITION SWITCH AND LOCK

Anton Trimberger and Merton Frazier, Sheboygan, Wis.

Application August 18, 1939, Serial No. 290,904

6 Claims. (Cl. 200—45)



4. An ignition switch and lock comprising a casing open at one end, a cap for closing the open end of said casing, stationary contacts in said casing, a shaft journaled axially of the casing and cap with one end portion projecting from the cap, a turning knob carried by the outwardly projecting portion of said shaft, the cap and knob having companion scale markings, a movable contact straddling said shaft and shiftable radially thereof into and out of position to engage the stationary contacts and close a circuit, and permutation means for controlling movement of the movable contact including permutation disks mounted about said shaft and a pin carried by the movable contact for engaging said disks.

2,239,131

SOAP STOCK PURIFICATION

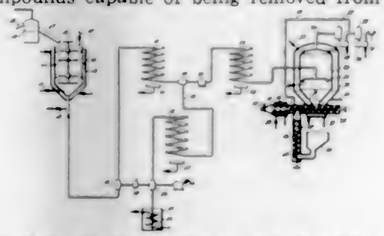
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Application December 18, 1937, Serial No. 180,621

8 Claims. (Cl. 260—419)

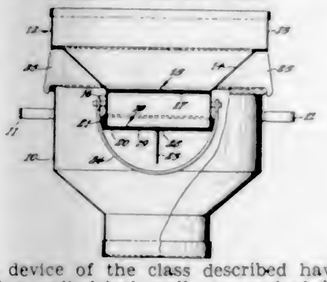
1. The process of purifying soap stock from the alkali refining of vegetable and animal oils

containing proteins and other unsaponifiable impurities, which comprises, the step of heating said soap stock under conditions which substantially prevent local overheating to a temperature sufficiently high to break at least a portion of said proteins and other impurities into simpler compounds capable of being removed from said



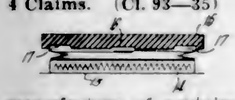
soap stock as vapors, maintaining said soap stock during heating to high temperature under sufficient conditions of movement to prevent local overheating and burning of said impurities, removing said vapors to form a purified soap product, and cooling said product before the same is damaged by said temperature.

2,239,132
MILK STRAINER
Conrad Ware, Danville, Ind.
Application July 7, 1939, Serial No. 283,274
1 Claim. (Cl. 210—155)



In a device of the class described having a depending cylindrical wall, an arched handle having its ends pivotally secured at diametrically opposite points to the outer side of said wall, a horizontal ring adapted to be secured against the lower periphery of said wall, said ring having a peripheral flange extending upwardly at right angles to said ring and adapted to engage the outside of said wall, a strainer cloth or the like clamped between said ring and said lower periphery of said wall, said handle when swung into position at right angles to said strainer cloth contacting the intersection of said ring and said flange at two diametrically opposed points and serving to lock said ring against said lower peripheral wall.

2,239,133
METHOD FOR FORMING CLOSURES
Harry F. Waters, New York, N. Y.
Application July 2, 1937, Serial No. 151,602
4 Claims. (Cl. 93—35)

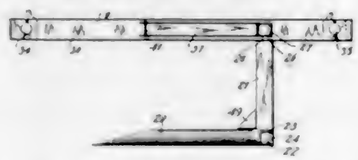


1. In the manufacture of containers wherein the body portion is formed by overlapping and uniting marginal edges of a sheet of flexible material the process which comprises subjecting one end of said body portion to pressure to seal the same, compensating, during the pressing step, for the seam formed by the overlapped edges of the material, by distributing the pressure applied so that the same pressure is exerted on the area in which the seam is located as is exerted on the remaining portions of the area to be sealed.

2,239,134
SINTERED FRICTION ARTICLE AND METHOD OF MAKING SAME
Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 31, 1940, Serial No. 316,512
9 Claims. (Cl. 75—22)

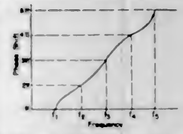
1. A method of making friction bodies of sintered powdered material of approximately predetermined composition including copper predominantly and other metallic and non-metallic substances, the said method comprising the steps of leaching a copper-bearing raw material to form in solution compounds of copper and of other metals present in the raw material; separating the solution from undissolved solids of the raw material; contacting said solution with a solid substance capable of reacting with the metal compounds in solution to precipitate elemental copper and other metals in comminuted form under oxidizing conditions with resultant conversion to metallic oxide of a fractional part of at least the copper constituent of the precipitate; separating the precipitated material and intermixed oxide from the solution and from at least the major part of any unconsumed solid precipitant; checking the composition of the precipitate and intermixed oxide as to copper and other metallic and non-metallic substances; adding to the said precipitate and oxide substances necessary to establish therein approximately the said predetermined composition; and sintering the resulting material.

2,239,135
BAG GRAB
William G. Wehr, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application December 24, 1937, Serial No. 181,663
3 Claims. (Cl. 294—67)



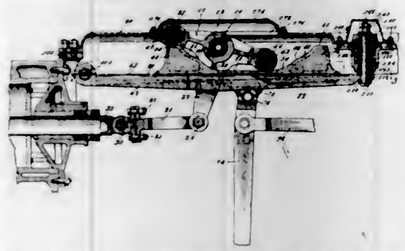
1. In a grab of the character referred to adapted to be connected to a mechanical hoist and handle large heavy bags of material, the combination of a supporting member, a plurality of substantially horizontally extending parallel tines connected to said supporting member and adapted to be inserted lengthwise underneath opposite sides of a substantially horizontally positioned large heavy bag of material and lift the same, said tines having bag-engaging sides diverging towards the bottom.

2,239,136
BAND-PASS FILTER NETWORK
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 23, 1938, Serial No. 209,442
7 Claims. (Cl. 178—44)



7. A band-pass filter comprising a plurality of transformers and a plurality of condensers, each of said transformers having primary and secondary windings and the number of said condensers being two more than the number of said windings, said windings and condensers being connected in two ladder networks, one of said networks having said primary windings as series arms and one half of said condensers as shunt arms, and the other of said networks having said secondary windings as series arms and the other half of said condensers as shunt arms, each of said ladder networks including an additional inductance connected as a shunt arm, the reactive constants of said networks being proportioned to secure a continuous pass band between predetermined cutoff frequencies and to present the constant-k mid-shunt form of image impedance at each of said pair of terminals.

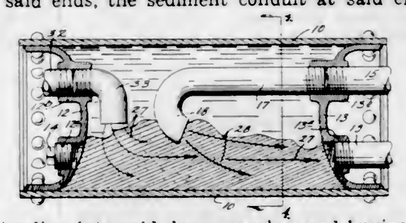
2,239,137
VALVE GEAR
George C. White, Highland Park, N. J.
Application July 24, 1939, Serial No. 286,276
10 Claims. (Cl. 121—167)



1. In a steam locomotive including a valve gear lever system and a valve actuating rod: a relatively fixed support; a rocker means journaled in said support and operatively connected with said rod for reciprocating the latter; a sliding cam for the rocker means so fashioned as to impart accelerated motion thereto, including an operating connection with said lever system; a track for the sliding cam pivoted at one end to said support; and means cooperable with said support and the other end of said track for urging the cam against said rocker means, to compensate for backlash.

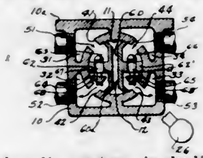
2,239,138
MUD DRUM
Jacob G. Whitlatch, Hammond, Ind., and Oscar R. Williamson, Bluford, Ill.
Application May 6, 1940, Serial No. 333,642
7 Claims. (Cl. 122—393)

6. A mud drum comprising an elongated cylindrical member having sediment inlets at opposite ends thereof adjacent the top thereof, sediment conduits from a boiler to said sediment inlets, a valve controlled sediment outlet in one of said ends, the sediment conduit at said end



extending into said drum member and having a return bent elbow directed toward said sediment outlet.

2,239,139
UNIFLOW VALVE
George S. Allin, Seattle, Wash.
Application September 18, 1939, Serial No. 295,463
5 Claims. (Cl. 277—64)

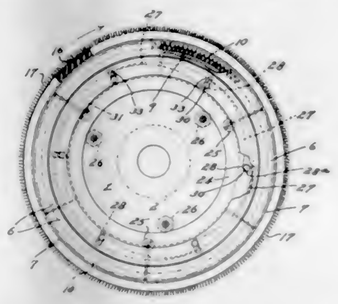


1. In a hydraulic system including a one-way circuit for a hydraulic pressure medium and a double acting hydraulic jack; a valve mechanism comprising a housing formed with a plug chamber and a plug rotatably fitted in the chamber for adjustment between two service positions through an intermediate neutral position; said chamber having inflow and outflow ports through which the chamber is connected in the pressure medium circuit and having two other ports through which connections are made, respectively, with opposite ends of the jack; said valve plug having an open passage therethrough whereby, when the plug is in neutral position, the pressure medium circuit will be established directly through the valve, and having two secondary passages adapted, on adjustment of the valve plug, to one or the other of its service ports to establish, through one passage, a direct pressure applying connection between the pressure circuit and one end of the jack, and establish, through the other passage, a relief connection opening into the circuit from the other end of the jack; means in the secondary passages allowing flow of pressure medium in one direction only, said plug passages and chamber ports being so arranged that in an adjustment of the plug from its neutral position to either limit, the flow of pressure medium entering through the inflow port will be divided and progressively decreased through the direct passage and increased accordingly through the connection thus made with the jack.

2,239,140
AUTOMATICALLY EXPANDIBLE POLISHING AND BUFFING WHEEL
Hiram J. Barton and Robert H. Barton, Detroit, Mich., assignors of thirty-one one-hundredths to Frank L. Szafranski and one-tenth to Charles E. Wisner, both of Detroit, Mich.
Application January 2, 1940, Serial No. 312,044
17 Claims. (Cl. 51—190)

1. A polishing and buffing wheel comprising a body portion attachable at its center to a shaft

for rotation, an endless and diametrically expandible belt, having an outer face adapted for surface finishing of an article, means carried by the wheel providing a continuous, circular, nonyielding, foundation for the belt, means respond-



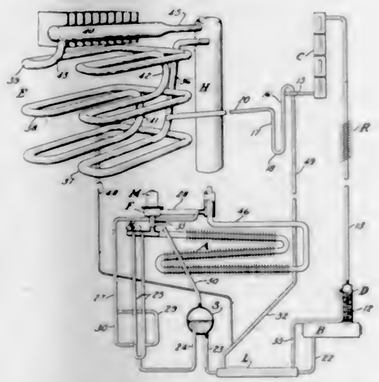
ing to the joint rotary urge of the shaft and the frictional retarding contact of the belt with the work for increasing the diameter of the foundation, and means limiting the extent to which the foundation may be increased in diameter.

2,239,141

REFRIGERATION

Justice H. Beach, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 20, 1938, Serial No. 220,204
6 Claims. (Cl. 62—119.5)



1. Refrigerating apparatus comprising a solution circuit including a boiler and an absorber, a pressure equalizing medium circuit including an evaporator and said absorber, means for producing flow of the pressure equalizing medium in said circuit, said pressure equalizing medium flow producing means being arranged to propel the pressure equalizing medium through said evaporator with a velocity sufficient to drag the refrigerant liquid through said evaporator, means for supplying refrigerant vapor generated in said boiler to said evaporator in liquid phase including a liquid pressure balancing means, and means venting the boiler side of said pressure balancing means to a low pressure portion of the apparatus.

2,239,142

PENCIL LEAD

Isidor Chesler, Oceanport, N. J., and Dimitry Shutak, New York, N. Y., assignors to Eagle Pencil Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 4, 1938, Serial No. 200,056
3 Claims. (Cl. 106—5)

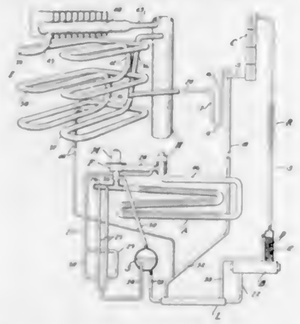
1. A pencil lead of a fired mix of graphite and clay, impregnated with an ionized sodium chloride solution.

2,239,143

REFRIGERATION

Curtis C. Coons, North Canton, Ohio, and Rudolph S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application October 31, 1940, Serial No. 363,768
27 Claims. (Cl. 62—119.5)



1. Refrigerating apparatus comprising a solution circuit including a boiler-analyzer and an absorber, a pressure equalizing medium circuit including an evaporator and said absorber, power operated means for producing flow of the pressure equalizing medium in said circuit, means for supplying refrigerant vapor generated in said boiler to said evaporator in liquid phase including a liquid pressure balancing means, and means venting the boiler-analyzer side of said pressure balancing means to a low pressure portion of said solution circuit.

2,239,144

PERMANENT MAGNET

Reginald S. Dean and Charles W. Davis, Washington, D. C., assignors to Chicago Development Company, Chicago, Ill.

No Drawing. Application July 11, 1938, Serial No. 218,634
3 Claims. (Cl. 175—21)

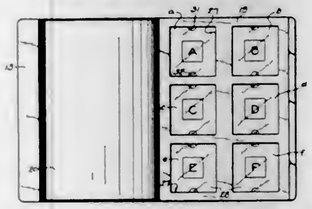
2. The process of producing permanent magnets which includes the steps of depositing a magnetic material into a mercury cathode by electrolysis, depositing in said mercury another metal in an amount comprising between about .25% and 25% of the magnetic material, removing substantially all of the mercury whereby to provide finely divided particles of magnetic material coated with said other metal, thereby to inhibit oxidation and crystal growth of said particles of magnetic material and produce a chemically stable material, and compacting said stable material comprising said coated particles into suitable shape for use as a permanent magnet.

2,239,145

SAMPLE DISPLAY BOOK

Halbert Creston Doner, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application June 26, 1939, Serial No. 281,155
5 Claims. (Cl. 281—15)



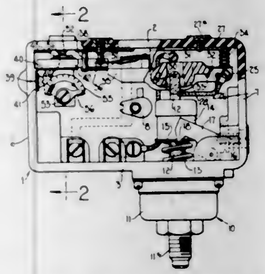
1. In a sample display book of the character described, a sample carrying leaf having an opening therein provided at the top and bottom thereof with rearwardly extending flanges formed at their outer ends with inwardly turned tabs, the sample being supported between the flanges and held in place therebetween by the tabs.

2,239,146

CONTROL DEVICE

Earnest J. Dillman and Jack E. Fleury, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Original application December 19, 1936, Serial No. 116,750. Divided and this application February 16, 1939, Serial No. 256,780
15 Claims. (Cl. 200—83)



1. In a device of the character described, a casing, means carried by said casing and having a passageway therethrough, a cam means carried by said means, and means extending through said passageway and abutting said casing and said cam means and operable to move said carried means relative to said casing.

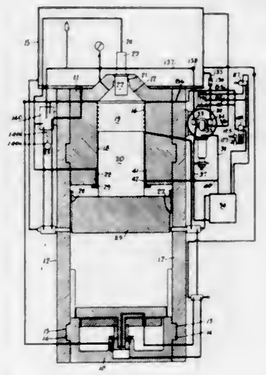
2,239,147

VARIABLE DELIVERY PUMP WITH MULTIPLE PRESSURE CONTROL

Walter Ernst, Johan A. Muller, and Victor S. Shaw, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware

Original application August 16, 1938, Serial No. 225,155. Divided and this application August 28, 1939, Serial No. 292,268
9 Claims. (Cl. 103—37)

1. In a variable delivery hydraulic pump having a movable flow-control member for regulating the delivery of said pump, yielding means for urging said flow-control member in one direction, and a servomotor having a plurality of spaced piston areas, each of said areas being adapted



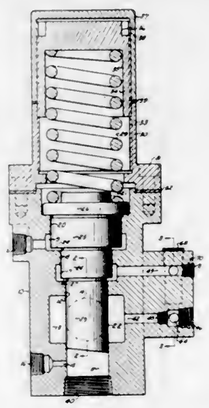
when subjected to fluid pressure, to urge said flow-control member in the opposite direction.

2,239,148

FLUID PRESSURE RELIEF OR UNLOADING VALVE

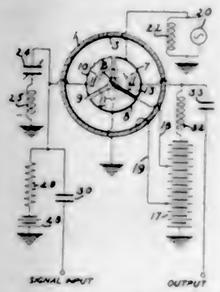
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application June 10, 1938, Serial No. 213,031
8 Claims. (Cl. 137—153)



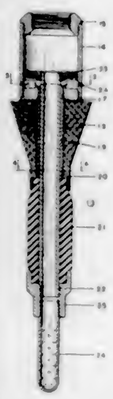
1. In a valve, a casing having a bore with a main valve chamber and a pair of separate spaced plunger-lifting chambers aligned therewith, one of said plunger lifting chambers being adapted to communicate with one fluid pressure line, and the other of said fluid lifting chambers being adapted to communicate with another fluid pressure line and a valve plunger with portions of three different diameters mounted for reciprocation in said bore, said plunger portions cooperating to form a pair of annular piston areas disposed in said pair of separate plunger-lifting chambers respectively, said main valve chamber having an inlet and discharge port communicating therewith.

2,239,149
ELECTRONIC AMPLIFIER
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application January 5, 1938, Serial No. 183,420
21 Claims. (Cl. 179—171)



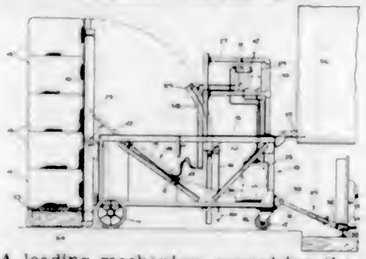
1. The method of signal amplification which comprises the steps of causing the initiation of a space flow of electrons, causing said flow to be subjected to alternate processes of attenuation by electron absorption and multiplication by secondary emission, and applying the signal to vary one of said processes.

2,239,150
COMBINATION PACKER
Erle P. Halliburton, Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application September 14, 1939, Serial No. 294,881
8 Claims. (Cl. 166—11)



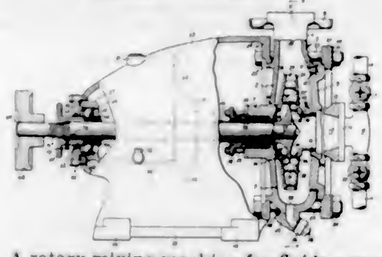
1. Apparatus for effecting a seal between a conduit and a rat-hole in a well, which includes a cone packer adapted to seat on the shoulder of a rat-hole, a wall packer located below the cone packer and adapted to enter the rat-hole, said wall packer having a shoe at its upper end and a shoe at its lower end, and an arrangement for expanding the wall packer to set the same in the rat-hole, said arrangement including means for holding the shoe at the upper end of said wall packer stationary and means for moving the shoe at the lower end thereof upwardly.

2,239,151
PORTABLE UNLOADING PLATFORM
Bertram C. Hope, Middletown, Ohio
Application May 31, 1939, Serial No. 276,532
3 Claims. (Cl. 254—3)



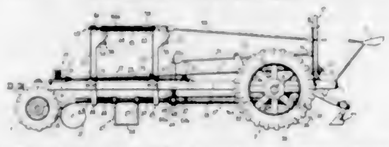
2. A loading mechanism comprising the combination with a frame, of a platform on top thereof formed into a forward part fixed to said frame and a rear part adjustable with respect thereto, and gate mechanism between said two parts.

2,239,152
MIXING MACHINE
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application August 12, 1940, Serial No. 352,238
6 Claims. (Cl. 259—96)



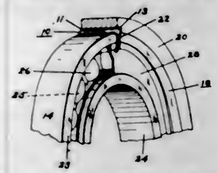
1. A rotary mixing machine for fluids comprising a casing containing a rotary impeller, said impeller having a hub dividing the central portion thereof into oppositely directed intake passageways which lead to an outward passageway, means for presenting all of the fluids into one of said passageways to be mixed by the impeller, and means for presenting at least a part of the mixed fluid through a recirculatory path within the casing to the other of said passageways whereby the fluids are recirculated through the impeller and are in a thoroughly mixed condition when leaving the machine.

2,239,153
CROSS CULTIVATOR
Robert E. Ledbetter and Edwin Ledbetter, Montgomery, Ala.
Application August 4, 1939, Serial No. 288,282
2 Claims. (Cl. 97—15)



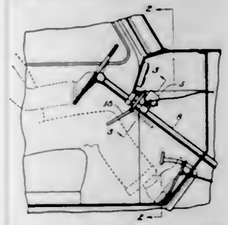
1. In a cross cultivator, a carriage; a shaft having a chopping hoe fixed radially therefrom, said shaft being connected flexibly to means for imparting rotation from the forward motion of said carriage; and means arranged to vary the relative height of said shaft while said shaft is rotating, said means including a journal frame arranged to be raised and lowered; and means arranged to vary the relative horizontal angular disposition of said shaft while said shaft is rotating, said means including a pivotally mounted frame carried on said carriage and supporting said first named frame; and means arranged to vary the longitudinal disposition of said shaft while said shaft is rotating, said means including a shift lever and a stubshaft and sleeve in said first named means.

2,239,154
LOCKING DEVICE
Frank I. Keane, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 18, 1938, Serial No. 235,617
2 Claims. (Cl. 308—236)



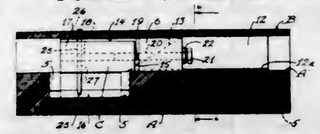
1. In a bearing or the like, a race-ring having a groove extending across its seat engaging surface, and a projecting key received in said groove and having its end portions bent to extend upon opposite sides of said ring; substantially as described.

2,239,155
KNEE ACTUATED SWITCH
Hymon Levich, Des Moines, Iowa
Application April 1, 1940, Serial No. 327,317
2 Claims. (Cl. 200—59)



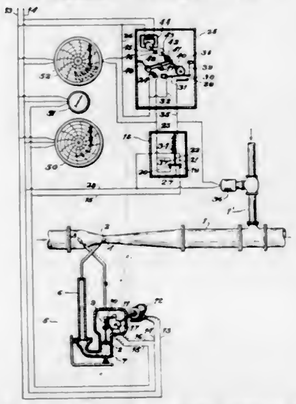
1. In a leg operable switch, a casing, a rotary shaft extended through the casing, a pair of divergent contact carrying sections secured to and extending radially from the shaft, an arcuate inwardly bowed bus bar secured to and connecting the contacts on the said sections, an arm connected with the shaft, a pair of contact strips mounted in the casing at opposed sides of the shaft and arranged to make contact with the contacts on the said sections, the said strips being mounted to assume inclined positions directed outwardly of the casing so as to enable efficient electrical connection thereof with the contacts on the sections when the latter are swung to contacting position, leg operable means attached to the shaft, and means connected with the arm for yieldingly holding the contact sections in intermediate non-contacting positions.

2,239,156
DETACHABLE BASE
Arthur A. Lewis, Vallejo, Calif.
Application October 6, 1939, Serial No. 298,252
4 Claims. (Cl. 248—19)



1. In combination, a base having a guideway extending lengthwise thereof, a portable top interfitting with the guideway and being movable along the base, the base having an inclined recess sloping downwardly at an angle, one wall of the recess defining an undercut base wedge having a pointed end at the top of the recess and an inclined cam surface extending downwardly therefrom, the top having an undercut master wedge fixed thereto and accommodated in the recess of the base, the master wedge having an inclined cam surface made to bear against the inclined cam surface of the base wedge and coacting with the latter for drawing the top toward the base when the former is moved in one direction relative to the latter, the top having a second undercut wedge thereon with an inclined cam surface sloping in the opposite direction with respect to the inclined cam surface on the master wedge, a locking wedge anchored in the base and guided for movement along the base, the locking wedge having an inclined cam surface sloping in the same direction as the inclined cam surface on said second wedge on the top, whereby the latter will be further urged toward the base and locked thereto when the locking wedge is moved in one direction along the base, and means for moving the locking wedge along the base for locking the top to the base.

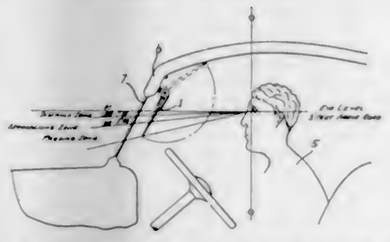
2,239,157
TELEMETRIC CONTROLLER FOR DEPENDENT QUANTITIES
Rudy P. Lowe, Cranston, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Application December 4, 1937, Serial No. 178,180
7 Claims. (Cl. 137—165)



1. In a telemetric controller, means for cyclically transmitting signals of a function of time corresponding with values of a variable quantity, means responsive to said signals for inte-

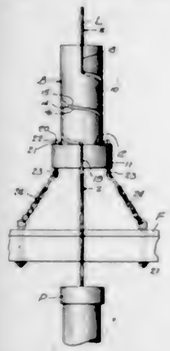
grating said values, means for controlling a dependent quantity, and means controlled by said integrating means for initiating operation of said controlling means in response to a predetermined accumulation of said values and for continuing operation of said controlling means for a predetermined time uninfluenced by said signals.

2,239,158
ANTIGLARE SHIELD FOR AUTOMOBILES
Edward H. McCloud, Columbus, Ohio
Application October 28, 1938, Serial No. 237,484
7 Claims. (Cl. 296—97)



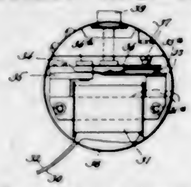
1. A new article of manufacture for use as a light screen comprising a glass of uniform color and of progressive thickness whereby a progressive color density is secured in different zones in the glass screen, said zones in said screen being so arranged that the maximum color intensity is in a zone at one corner of the screen and said zones are progressively of lesser color intensity from said corner towards the bottom of the screen and from said corner towards the other side of the screen.

2,239,159
LINE WIPING DEVICE
De Mont G. Miller, Los Angeles, Calif., assignor to Patterson-Ballagh Corporation, Los Angeles, Calif., a corporation of California
Application February 14, 1940, Serial No. 318,846
7 Claims. (Cl. 15—210)



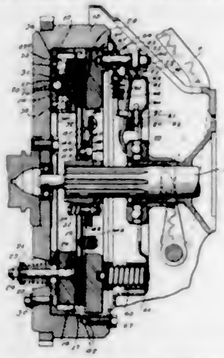
1. A device of the class described comprising: a convoluted body of relatively soft resilient material defining a helical line receiving passage; said passage having end portions extending generally axially to opposite ends of the body, with the depth of the passage in a direction radially of the body being substantially to the axis of the helix.

2,239,160
REMOTE SIGNAL DEVICE AND CONTROL
Ernest A. Newman, Woburn, Mass., assignor of twenty-five one hundredths to Francis G. Chase, Winchester, Mass.
Application January 17, 1938, Serial No. 185,311
5 Claims. (Cl. 58—19)



1. An electric energizing circuit having a time actuated means to effect operation of said circuit at a selected time, said circuit including an audible signal device having a vibrating element that is remotely disposed relative to said time actuated means, said signal device including a member adapted to arrest vibration of said element while said member is operatively engaged and to permit vibration of said element when said member is released.

2,239,161
CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application February 11, 1932, Serial No. 592,301
29 Claims. (Cl. 192—105)

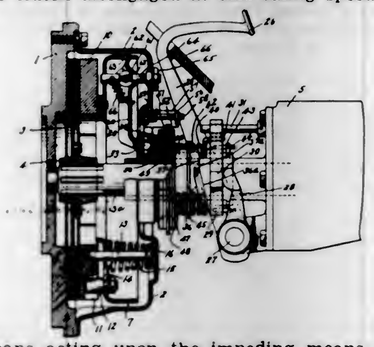


19. A clutch comprising in combination driving members, a driven member, packing springs tending to pack the driving members and driven member into frictional engagement, centrifugally controlled stop means for preventing packing engagement under action of the springs when the said stop means are in stopping position incident to centrifugal action, said stop means being shiftable out of stopping position when the clutch is not rotating, and centrifugally actuated devices for effecting packing engagement of the said driving and driven members.

2,239,162
CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application April 23, 1932, Serial No. 607,064
14 Claims. (Cl. 192—105)

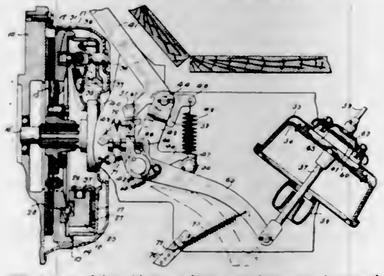
1. A clutch comprising in combination a driving member, a driven member, centrifugally controlled means for packing the driving and driven members together above a given idling speed,

packing springs normally urging the driving and driven members toward each other, means for impeding the action of the springs to maintain the clutch disengaged at said idling speed, and



means acting upon the impeding means automatically, substantially as the driving member is discontinuing operation movement, to permit of clutch engagement independent of centrifugal action.

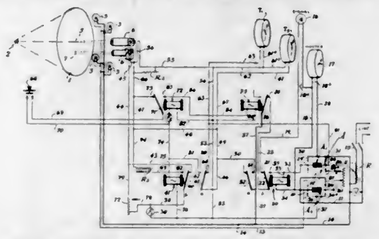
2,239,163
CENTRIFUGAL CLUTCH AND VACUUM CONVERTER
Ernest E. Wemp, Detroit, Mich.
Application May 25, 1933, Serial No. 672,794
19 Claims. (Cl. 192—105)



1. The combination with an internal combustion engine, of a clutch having driving and driven members, centrifugal means carried by a clutch driving member for engaging the clutch above a given speed of rotation and for releasing the clutch below said speed of rotation, an element shiftable by differential pressure located in a chamber, an open conduit constantly connecting one side of the chamber to the intake manifold of the engine, said element being shiftable upon variation in the depression in the engine manifold, and means operatively connecting the element to the clutch.

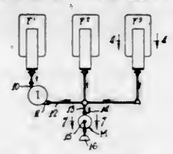
2,239,164
APPARATUS FOR DETERMINATION OF HUMAN DARK ADAPTATION
Arthur E. Wigelsworth, Los Angeles, Calif.
Application August 5, 1939, Serial No. 288,614
7 Claims. (Cl. 88—20)

1. An apparatus of the character described, comprising: screen means defining an observation area positioned to be viewed by a subject; means for illuminating such area substantially uniformly; illuminating means positioned to direct a small spot of light onto said observation area; another illuminating means positioned to direct a spot of illumination on said observation area to define a test area of restricted intensity at a position angularly removed from said bright spot and including means for causing said illuminating means to illuminate said test area at two different intensity levels; two elapsed-time-indicating elements; a source of electrical energy; switch means associated with said source and operable to energize said first-mentioned illuminating means; switch means associated with said source and operable to energize said second and



third-mentioned illuminating means; and circuit means associated with said switch means, with all of said illuminating means, and with said time-indicating elements, and including switch means under control of the subject, said circuit means being adapted to effect operation of said time-indicating elements in consonance with the operation of said third-mentioned illuminating means at said two intensity levels, whereby the elapsed time of illumination of said test area at the respective intensity levels is indicated.

2,239,165
SYSTEM FOR MAKING ICE CREAM
Harry B. Adams, Chicago, Ill., assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Original application February 4, 1936, Serial No. 62,271. Divided and this application July 19, 1938, Serial No. 219,953
3 Claims. (Cl. 107—4)



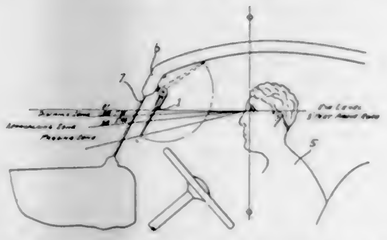
1. A continuous system for producing, blending and delivering ice cream containing solid edibles, including a plurality of continuous freezers connected in parallel for making semi-frozen plastic ice cream, a device at the outlet of only one of said freezers for injecting solid edibles into the stream of ice cream delivered from said latter freezer, a mixing apparatus, and piping for merging the material delivered from said injecting device and the ice cream delivered from the other freezers and delivering the merged product into said mixing chamber.

2,239,166
TOOL POST AND HOLDER
Bernard J. Carr, San Bernardino, Calif.
Application May 22, 1940, Serial No. 336,528
14 Claims. (Cl. 82—37)

1. In a tool post and holder for metal working machines, a slide block provided with an inverted T-slot; a post provided with a flanged

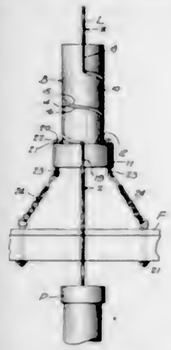
grating said values, means for controlling a dependent quantity, and means controlled by said integrating means for initiating operation of said controlling means in response to a predetermined accumulation of said values and for continuing operation of said controlling means for a predetermined time uninfluenced by said signals.

2,239,158
ANTIGLARE SHIELD FOR AUTOMOBILES
Edward H. McCloud, Columbus, Ohio
Application October 28, 1938, Serial No. 237,484
7 Claims. (Cl. 296—97)



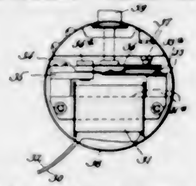
1. A new article of manufacture for use as a light screen comprising a glass of uniform color and of progressive thickness whereby a progressive color density is secured in different zones in the glass screen, said zones in said screen being so arranged that the maximum color intensity is in a zone at one corner of the screen and said zones are progressively of lesser color intensity from said corner towards the bottom of the screen and from said corner towards the other side of the screen.

2,239,159
LINE WIPING DEVICE
De Mont G. Miller, Los Angeles, Calif., assignor to Patterson-Ballagh Corporation, Los Angeles, Calif., a corporation of California
Application February 14, 1940, Serial No. 318,846
7 Claims. (Cl. 15—210)



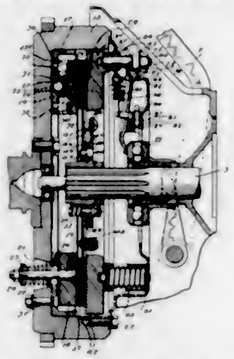
1. A device of the class described comprising: a convoluted body of relatively soft resilient material defining a helical line receiving passage; said passage having end portions extending generally axially to opposite ends of the body, with the depth of the passage in a direction radially of the body being substantially to the axis of the helix.

2,239,160
REMOTE SIGNAL DEVICE AND CONTROL
Ernest A. Newman, Woburn, Mass., assignor of twenty-five one hundredths to Francis G. Chase, Winchester, Mass.
Application January 17, 1938, Serial No. 185,311
5 Claims. (Cl. 58—19)



1. An electric energizing circuit having a time actuated means to effect operation of said circuit at a selected time, said circuit including an audible signal device having a vibrating element that is remotely disposed relative to said time actuated means, said signal device including a member adapted to arrest vibration of said element while said member is operatively engaged and to permit vibration of said element when said member is released.

2,239,161
CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application February 11, 1932, Serial No. 592,301
29 Claims. (Cl. 192—105)

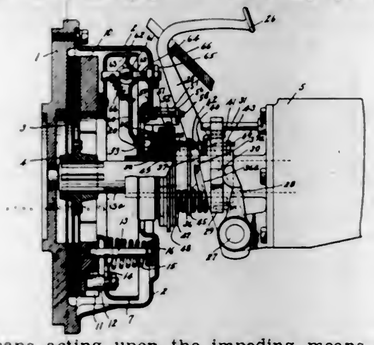


19. A clutch comprising in combination driving members, a driven member, packing springs tending to pack the driving members and driven member into frictional engagement, centrifugally controlled stop means for preventing packing engagement under action of the springs when the said stop means are in stopping position incident to centrifugal action, said stop means being shiftable out of stopping position when the clutch is not rotating, and centrifugally actuated devices for effecting packing engagement of the said driving and driven members.

2,239,162
CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application April 23, 1932, Serial No. 607,064
14 Claims. (Cl. 192—105)

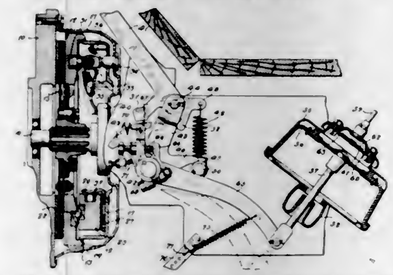
1. A clutch comprising in combination a driving member, a driven member, centrifugally controlled means for packing the driving and driven members together above a given idling speed,

packing springs normally urging the driving and driven members toward each other, means for impeding the action of the springs to maintain the clutch disengaged at said idling speed, and



means acting upon the impeding means automatically, substantially as the driving member is discontinuing operation movement, to permit of clutch engagement independent of centrifugal action.

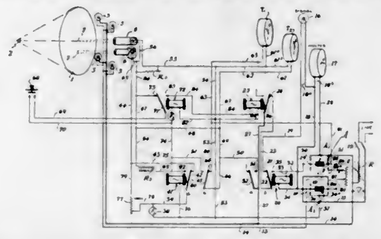
2,239,163
CENTRIFUGAL CLUTCH AND VACUUM CONVERTER
Ernest E. Wemp, Detroit, Mich.
Application May 25, 1933, Serial No. 672,794
19 Claims. (Cl. 192—105)



1. The combination with an internal combustion engine, of a clutch having driving and driven members, centrifugal means carried by a clutch driving member for engaging the clutch above a given speed of rotation and for releasing the clutch below said speed of rotation, an element shiftable by differential pressure located in a chamber, an open conduit constantly connecting one side of the chamber to the intake manifold of the engine, said element being shiftable upon variation in the depression in the engine manifold, and means operatively connecting the element to the clutch.

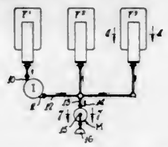
2,239,164
APPARATUS FOR DETERMINATION OF HUMAN DARK ADAPTATION
Arthur E. Wigelsworth, Los Angeles, Calif.
Application August 5, 1939, Serial No. 288,614
7 Claims. (Cl. 88—20)

1. An apparatus of the character described, comprising: screen means defining an observation area positioned to be viewed by a subject; means for illuminating such area substantially uniformly; illuminating means positioned to direct a small spot of light onto said observation area; another illuminating means positioned to direct a spot of illumination on said observation area to define a test area of restricted intensity at a position angularly removed from said bright spot and including means for causing said illuminating means to illuminate said test area at two different intensity levels; two elapsed-time-indicating elements; a source of electrical energy; switch means associated with said source and operable to energize said first-mentioned illuminating means; switch means associated with said source and operable to energize said second and



third-mentioned illuminating means; and circuit means associated with said switch means, with all of said illuminating means, and with said time-indicating elements, and including switch means under control of the subject, said circuit means being adapted to effect operation of said time-indicating elements in consonance with the operation of said third-mentioned illuminating means at said two intensity levels, whereby the elapsed time of illumination of said test area at the respective intensity levels is indicated.

2,239,165
SYSTEM FOR MAKING ICE CREAM
Harry B. Adams, Chicago, Ill., assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Original application February 4, 1936, Serial No. 62,271. Divided and this application July 19, 1938, Serial No. 219,953
3 Claims. (Cl. 107—4)

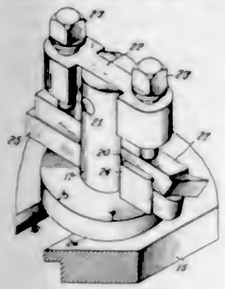


1. A continuous system for producing, blending and delivering ice cream containing solid edibles, including a plurality of continuous freezers connected in parallel for making semi-frozen plastic ice cream, a device at the outlet of only one of said freezers for injecting solid edibles into the stream of ice cream delivered from said latter freezer, a mixing apparatus, and piping for merging the material delivered from said injecting device and the ice cream delivered from the other freezers and delivering the merged product into said mixing chamber.

2,239,166
TOOL POST AND HOLDER
Bernard J. Carr, San Bernardino, Calif.
Application May 22, 1940, Serial No. 336,528
14 Claims. (Cl. 82—37)

1. In a tool post and holder for metal working machines, a slide block provided with an inverted T-slot; a post provided with a flanged

lower end mounted in the T-slot, and having a vertical slot extending from the upper end to a predetermined distance from the lower end of the post; a centrally apertured block in said slot having overlapping relation with the flange of said post; and a rocker block pivotally mount-



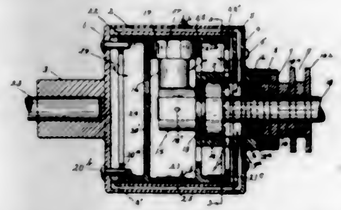
ed in the upper end of the slot in the post with its ends disposed to opposite sides of the post and each end provided with a pressure providing screw-bolt, the screw-bolts being arranged at different distances from the vertical axis of the post.

2,239,167

HYDRAULIC CLUTCHING AND DRIVING APPARATUS

Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa

Application July 10, 1940, Serial No. 344,664
10 Claims. (Cl. 192—59)



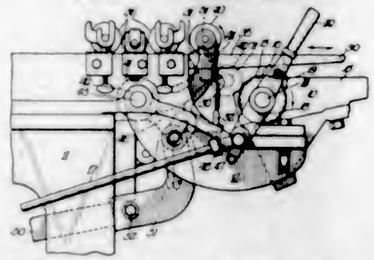
1. A hydraulic clutch comprising a cylindrical housing united to a driven shaft, an open-ended cylindrical piston mounted therein for longitudinal travel but secured against rotation relative to the housing, a transverse wall formed in the piston to separate front and rear fluid-chambers, a driving shaft revolvably mounted in one end of the housing in line axially with the driven shaft and with its inner end extending into the front fluid-chamber, an annular flange formed integral with the piston spaced in front of and parallel to the transverse wall, a crank united to the inner end of the driving shaft carrying a trunnion with a self-aligning ball-bearing roll mounted thereon to contact and roll between and along the transverse wall and flange adjacent the side walls of the piston during rotation of the driving shaft relative to the piston, the transverse wall and the flange being formed at an angle to the plane of revolution of the crank whereby the piston will be caused to travel longitudinally as the crank revolves with the driving shaft when the ports hereafter mentioned are open, ports leading from one compression chamber to the other, and means for closing the ports to prevent movement of fluid from either chamber to the other thereby causing the piston and housing to revolve with the drive shaft.

2,239,168

DUCTOR ROLLER CONTROL

Edward F. Dudley, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application June 29, 1940, Serial No. 343,111
4 Claims. (Cl. 101—344)



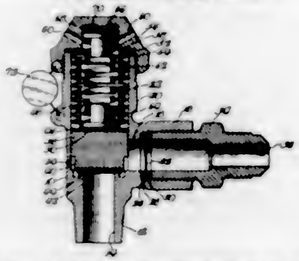
1. In inking mechanism for printing presses, having an ink fountain and fountain roller, an ink conveying ductor roller, a reciprocating ink distributing table, means for oscillating said ductor roller into and out of contact with said fountain roller and said table, and a friction member influencing the rotary motion of the ductor roller in both directions of its oscillatory movement, the combination of ductor roller controlling means, including means carried by said ductor roller and arranged to permit free rotation of the ductor roller when in contact with the fountain roller and while traveling toward and during one stroke of the reciprocatory motion of said table, and to cause restrained rotation of the ductor roller during the other stroke of the reciprocatory motion of said table, thereby creating a slight slippage of the ductor roller during such restrained rotation, for the purpose herein set forth.

2,239,169

SAFETY VALVE

George E. Franck, Berwyn, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 17, 1939, Serial No. 268,303
1 Claim. (Cl. 137—53)



A safety valve device comprising a valve body having an inlet including a valve seat therein, an outlet, a pocket, and a valve member in said pocket comprising a valve element provided with a disc making a sealing slidable fit in said pocket adapted to be positioned on said seat, a sealing element having the central portion positioned adjacent the valve element and the outer portion sealed at the outer end of said pocket, a spring keeper on said sealing element on the side opposite said valve element, a coiled spring having one end engaging said keeper, a second spring keeper free from contact with the valve and the valve

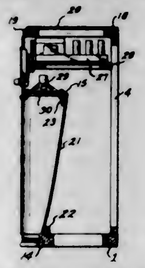
body at the opposite end of the spring, a cap threadably engageable with the valve body for holding said keepers and the spring in operative position, and removable discs positioned between the second keeper and said cap adapted to provide variable tension for the spring.

2,239,170

RADIO APPARATUS

Walter Park Gray, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Application April 26, 1939, Serial No. 270,169
4 Claims. (Cl. 181—31)



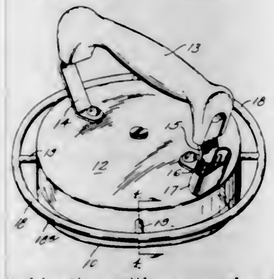
1. In a structure of the character described, a cabinet having side and top portions and a front portion extending across it near the top, said cabinet having in its lower portions, front parts at each side and inwardly extending parts defining the side portions of a recess, said recess having a back panel sloping rearwardly from bottom to top and terminating in a substantially horizontal shelf substantially at the base of said front portion which extends across said cabinet to support a loudspeaker mounted within said cabinet and on said shelf, said shelf being cut away over a portion at least of the area thereof covered by said loudspeaker whereby said speaker may speak through said shelf, the rear of said cabinet being open.

2,239,171

SADIRON REST

William E. Gundelfinger, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application September 12, 1938, Serial No. 229,565
4 Claims. (Cl. 38—79)



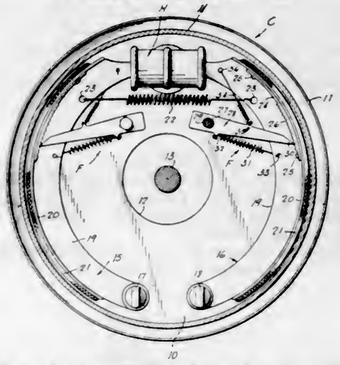
1. In combination with a round sadiron having an elongated handle, a continuous curved rail-like element extending around said sadiron, spaced therefrom and adapted to cooperate with and laterally inclined position, resting on said said handle to support said sadiron in inverted handle and on a portion of said rail-like element, and supports extending from said sadiron to said rail-like element, said supports being connected to said rail-like element at positions along the length thereof substantially spaced from the above-mentioned rest portion thereof.

2,239,172

BRAKE

Arnold Edward Ludwig, Asbury Park, N. J.

Application April 11, 1940, Serial No. 329,158
2 Claims. (Cl. 188—79.5)



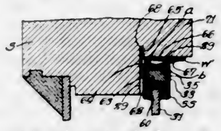
1. In a brake of the character described including a casing, a drum carried by the casing, a shoe pivotally mounted on said casing and movable with respect to said drum, and a brake lining on said shoe, the improvement which comprises a series of ratchet teeth carried by said shoe and having stop shoulders and longer inclined faces, a pawl having an end edge in engagement with said ratchet teeth, a pin and slot connection pivotally mounting said pawl on said casing, and spring means engaging said pawl and exerting a tendency to keep said end edge of said pawl in engagement with said ratchet teeth and cause said edge of the pawl to slide upwardly on one longer inclined face of one tooth and engage another stop shoulder when wear of said brake lining requires adjustment of said shoe.

2,239,173

DOUBLE GLAZED WINDOW STRUCTURE

Sern Madsen, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa

Application September 28, 1938, Serial No. 232,120
2 Claims. (Cl. 20—56.5)



1. In a double glazed window structure, a sash having a main frame provided with a rabbet having an inner corner groove, a storm sash having a frame of banding material, said storm sash and its frame removably fitting within said rabbet of said main sash frame, weather stripping for retaining said storm sash frame within said rabbet of said main sash frame, said weather stripping along each side of said main sash frame having an anchorage flange received in said inner corner groove of said main sash frame and a leaf slightly bowed toward the storm sash frame, said

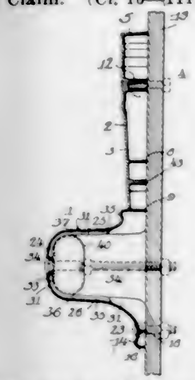
storm sash frame being provided with a shallow concave groove spanned by said bowed leaf of said weather stripping, the curvature of said groove being greater than the curvature of said leaf to provide double line contact between said leaf and said frame of banding material, said flange of said weather stripping having a portion extending out of said inner corner groove to line the bottom of said rabbet and act as a shoulder against which the face of said storm sash is positioned when in said main sash frame, said storm sash frame being normally retained in said main sash frame by said bowed leaves of said weather stripping and removable from said main sash frame and from said weather stripping by compression of the leaves of said weather stripping in a direction substantially parallel to the plane of the main sash frame and outwardly from the center thereof.

2,239,174

HANDLE LUG FOR BURIAL CONTAINERS

Edwin H. Thoresen, Chicago, Ill., assignor to William Thoresen Company, Chicago, Ill., a corporation of Illinois

Application August 11, 1939, Serial No. 289,531
1 Claim. (Cl. 16—111)



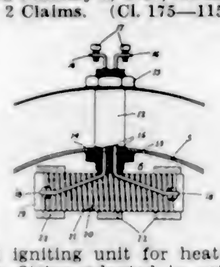
A handle lug structure for burial containers, and which has a handle bar; comprising a hollow unit composed of integral molded thermoplastic material provided with a hollow base portion having perimetral flanges to seat against the wall of the container, and a hollow lug portion extending from the base portion and having spaced side walls which at the base of the lug portion form integral continuations with the perimetral flanges at the sides of the base portion, the lug portion having upper and lower juncture portions integral with the base portion, said side walls being provided with alined holes for the extension of the handle bar therethrough and through the lug portion, said lug portion and the upper and lower juncture portions between said lug and base portions having on the inside thereof a plurality of spaced substantially parallel reinforcing ribs disposed in horizontally spaced vertical planes and over the handle bar for sustaining the weight stress upwardly imposed upon the structure by the handle bar, said ribs bearing against the handle bar, the ribs being extended inwardly to a plane common to the periphery of the hole in the wall and extending to the base portion at said junctures, and certain of said ribs having extended portions integral with the base portion beyond the said junctures, whereby the lifting stress is sustained by the ribs and side walls.

2,239,175

IGNITER FOR STOVES

Lawrence R. Unser, Springville, Calif.

Application January 2, 1940, Serial No. 312,083
2 Claims. (Cl. 175—115)



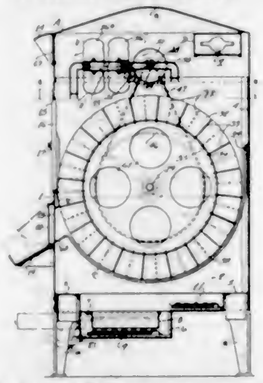
1. An oil igniting unit for heaters, said unit including a fitting adapted to extend into the burner of the heater, a pair of leads extending through the fitting in insulated relation, a dielectric, fireproof base, said base being flat and elongated, an exposed wire forming a resistance coil wound about said base from end to end thereof, the adjacent ends of the leads being connected with the ends of the resistance coil, the base and coil being disposed substantially horizontal in the burner adjacent but spaced above the bottom thereof, and a plurality of absorbent, fireproof pads disposed in side by side but spaced relation between the bottom of the burner and said coil; the pads being engaged by the latter, and said opening bridging the space on opposite sides of at least one of said pads.

2,239,176

BAKED BREAD-LOAF DISPENSER

Hyman Waltzman, Yonkers, N. Y., assignor to Purity Bakeries Corporation, Chicago, Ill., a corporation of Delaware

Original application June 13, 1938, Serial No. 213,400. Divided and this application January 25, 1939, Serial No. 252,749
7 Claims. (Cl. 312—94)



1. In a baked-loaf dispensing machine including a shell having a discharge opening, a loaf-supporting rack comprising a plurality of staggered radial pockets mounted for rotation in the shell, means for actuating the rack comprising a ratchet wheel operably connected with the rack and manually operable pawl-means for advancing said ratchet, and stop-means actuable responsive to movement of the pawl for restricting the movement of the ratchet to rotating the rack a distance equal to one-half the circumferential width of a pocket for each actuation of the pawl for successively registering the staggered pockets with said opening for loaf-discharge.

2,239,177

CONCRETE STORY PARTITION CONSTRUCTION

Jørgen Brandt, Hellerup, Denmark, assignor to Formeta-Beton A/S, Copenhagen, Denmark

Application May 10, 1938, Serial No. 207,043
In Denmark May 12, 1937
5 Claims. (Cl. 72—66)



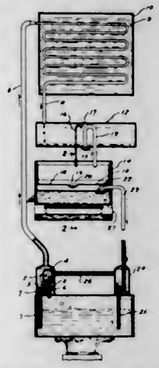
1. A concrete story partition, in the construction of which is employed a mould comprising a plurality of pallets placed edgewise in relation to each other, laths disposed at intervals across the one side of the pallets and fixed to each of them, arch members inserted with their ends between the opposing edges of two neighbouring laths, and a concrete mass cast on the said laths and arches.

2,239,178

REFRIGERATING APPARATUS

John A. Conrady, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Application March 10, 1937, Serial No. 130,136
6 Claims. (Cl. 62—118)



1. In refrigeration apparatus of the intermittent absorption type in combination with the evaporator, a shell spaced from the lower wall of said evaporator forming a secondary evaporator; and a drip opening at a low point in said shell to permit the gravity flow of condensed refrigerant from above said shell into said secondary evaporator.

2,239,179

COPPER ALLOY

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,443
4 Claims. (Cl. 75—153)

1. An alloy containing .1 to 3% tellurium, .1 to 10% chromium, balance copper.

2,239,180

HANDLE GUARD

Albert I. Kupfer, Bronx, N. Y.

Application December 26, 1940, Serial No. 371,677
11 Claims. (Cl. 135—51)



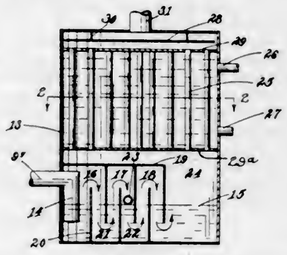
1. The combination with a crutch handle, of a split guard adapted to removably embrace the handle body and having means for holding together the split portions of the guard and to prevent the latter's movement in respect to the handle.

2,239,181

PRODUCER GAS PURIFYING APPARATUS

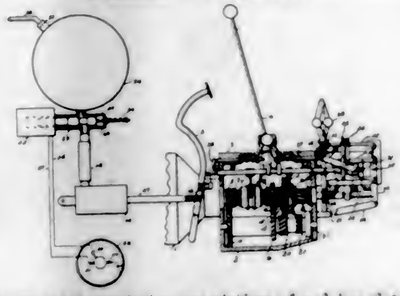
Ernest Hill Smith, Woodward, Okla.

Application August 25, 1938, Serial No. 226,807
2 Claims. (Cl. 183—23)



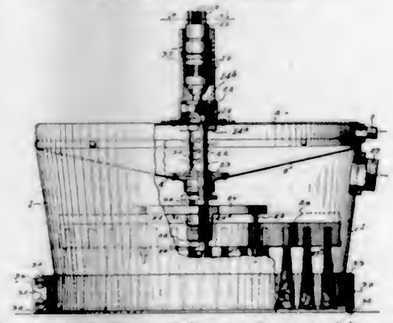
1. A cooler having an outer shell divided by a horizontal wall into upper and lower compartments, a second horizontal wall spaced below the first-named horizontal wall, said second horizontal wall extending more than halfway but less than all the way across said shell, a plurality of vertical baffles depending from the second horizontal wall and terminating short of the bottom of the shell, and the last of which depends from the inner end of said second horizontal wall, a plurality of upstanding baffles carried by the bottom of the shell alternating with the first-named baffles, means for introducing a gas to be cooled beneath the second horizontal wall adjacent one side of the shell, means for maintaining a water level at a point materially below the top of the baffles which are carried by the bottom of the shell, and materially above the bottom of the baffles which are carried by the second horizontal wall, a third horizontal wall spanning the shell adjacent the upper end thereof and lying in materially spaced relation to the first horizontal wall, a plurality of vertical tubes extending between and supported in the first and third horizontal walls, said tubes being of such number and so located as to be spaced at different points over substantially the whole area of said walls, means for maintaining a body of cooling liquid about said tubes, the lower ends of the tubes opening through the first-named horizontal wall to permit the passage of the gases passing said baffles upwardly therethrough, the spacing of the first and second horizontal walls from each other permitting said gases, after they leave the last of the baffles, to flow horizontally over the second horizontal wall and to enter said tubes over the whole lower area of the first-named horizontal wall.

2,239,182
AUTOMATIC TRANSMISSION
John F. Werder, Lakewood, Ohio
Application November 3, 1937, Serial No. 172,513
3 Claims. (Cl. 74—334)



1. In a transmission consisting of a drive shaft, a driven shaft, a countershaft driven by said drive shaft, intermediate gearing driven from said countershaft and direct coupling means for connecting said drive and driven shafts, a free wheeling splined hub mounted on said driven shaft, a pair of dog clutches mounted on said driven shaft and at each end of said free wheeling hub, low and reverse gear slidably mounted on said hub, a pair of dog clutches attached to each side of said low and reverse gear, so that in reverse and one low gear position one pair of dog clutches engage to establish solid drive between said gear and driven shaft, and in one low gear position free wheeling connection only is established.

2,239,183
WALL AND CEILING WASHING MACHINE
Harvey David Willard, Chicago, Ill., assignor of one-half to Harry Jacyn, Chicago, Ill.
Application April 1, 1938, Serial No. 199,375
1 Claim. (Cl. 15—50)



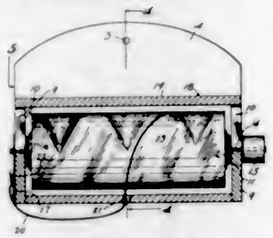
In a manually portable surface washing machine, a housing having a reservoir compartment and a brush compartment, a brush in said brush compartment having a shaft extending through said reservoir compartment and formed with perforations located in said reservoir compartment, a flared collar secured to one wall of said reservoir compartment, gland nuts secured together about said shaft and connecting said flared collar to said reservoir compartment wall and forming a grease gland about said shaft, a flexible drive shaft for said brush shaft, an intake orifice for said reservoir compartment arranged in said wall, an exhaust orifice for said brush compartment disposed in line with said intake orifice in the housing side wall and adapted to be connected to a suction source, a handle for said housing, and a hand grip having a rotatable connection with said flared collar, said exhaust orifice being materially larger than said intake orifice.

2,239,184
SHAVING DEVICE
Emmett Wilson, Los Angeles, Calif.
Application March 7, 1938, Serial No. 194,417
3 Claims. (Cl. 30—43)



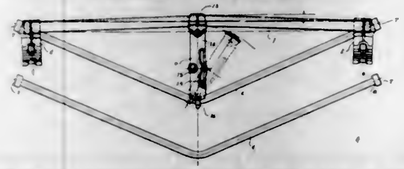
2. In a shaving device of the class described, the combination of a reciprocally mounted slotted shaving member provided with a long flat straight shank portion, a head casing member slotted to receive said shank portion forming two spaced walls and a plurality of pins mounted in one side wall of said slot and extended from one side with their ends in engagement with one flat side of said straight shank portion.

2,239,185
STRING RECEPTACLE AND DISPENSER
John H. Withey, Portland, Oreg., assignor to Tempe G. Rhodes, Portland, Oreg.
Application September 23, 1939, Serial No. 296,277
2 Claims. (Cl. 242—142)



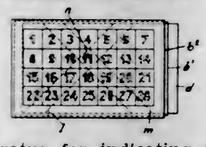
1. A string holder and dispenser comprising an open-mouthed elongated housing, the end portions of said housing having aligned elongated slots extending therethrough, said slots extending from a point adjacent the middle of said ends to the open mouth of said housing, a rotor having trunnions at the end thereof adapted to be rotatably mounted centrally of said housing, said trunnions being journaled in said slots, one wall of said housing having an aperture leading therethrough and constituting a passageway through which string wound about said rotor can be withdrawn from and inserted in said housing, a handle carried by and secured to one of said trunnions and adapted to lie exteriorly of said housing, a flat member journaled on the other trunnion and also adapted to lie exteriorly of said housing, and a string cutter and retainer formed upon said member, said cutter being spaced substantially from the string aperture thereby to permit a length of string to extend from said aperture to said member to promote ease in grasping said string.

2,239,186
BRAKE BEAM
Harley E. Anderson, Chicago, Ill., assignor of one-half to W. F. White, Fort Worth, Tex.
Application December 31, 1937, Serial No. 182,757
2 Claims. (Cl. 188—228)



1. In a railway truss type brake beam, a compression member, a V-shaped tension member connected thereto adjacent the ends of the V, and a strut extending from the apex of the V to said compression member, said strut comprising a body member adapted to be sprung into place to maintain the assembly in relative operating position, and a U-shaped clamping member, said clamping member having diverging legs, opposed inclined shoulders on the respective body and clamping members, and means for bringing the legs of said clamping member towards one another and maintain said shoulders in engagement to firmly secure said strut to said compression member.

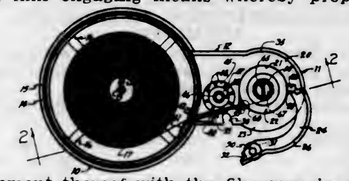
2,239,187
APPARATUS FOR TEMPORARILY RENDERING SECONDARY REPRESENTATIONS VISIBLE ON A TRANSPARENT PRIMARY REPRESENTATION
Charles Becker, Strasbourg, France
Application October 27, 1938, Serial No. 237,234
In France January 19, 1938
3 Claims. (Cl. 35—40)



1. An apparatus for indicating points on a transparent representation, said apparatus comprising, in combination, a slide means adjacent to and being slideably displaceable with respect to said transparent representation, said slide means having a transparent area, another slide means adjacent to and being slideably displaceable with respect to said first mentioned slide means and with respect to said transparent representation, said other slide means being provided with a not transparent representation, said not transparent representation together with the border line of said transparent area forming an indicating point, the position of said indicating point being changeable with respect to said transparent representation upon displacement of said slide means relative to said transparent representation.

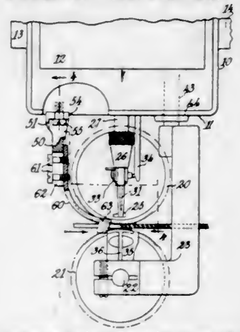
2,239,188
FILM CARTRIDGE LOADER
Walter W. Boes, Dayton, Ohio
Application February 9, 1939, Serial No. 255,434
6 Claims. (Cl. 242—55)

1. A film cartridge loader comprising a bulk film roll container having an integral extension thereon forming part of a cartridge container, a movable section forming the remainder of the cartridge container when in position and providing a lateral opening through which a cartridge may be inserted or removed, a constantly light-trapped passageway comprising a slot formed in said extension and communicating with the interiors of both said containers through which film may be withdrawn from a bulk film roll in said bulk film roll container and attached to a cartridge in said cartridge container, a member mounted in said extension and having film engaging means thereon in position to engage a film passing through said passageway, said movable section being so located and arranged as to form a portion of one wall of said passageway when in position, said portion being opposite said film engaging means whereby proper en-



gagement thereof with the film may be accomplished before said movable section is placed in position, a cover comprising integral portions to cap both said containers and said passageway, indicating means carried by said cover and having driven engagement with said member to be caused thereby to indicate the amount of film withdrawn from said roll, and cartridge winding means associated with said cartridge container and engageable with a cartridge therein whereby to permit the withdrawal of film from a bulk film roll in said bulk film roll container and the winding of the film into a cartridge in said cartridge container.

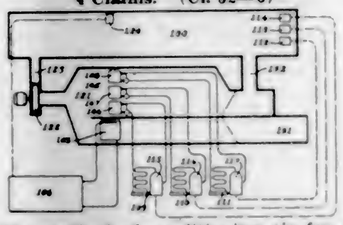
2,239,189
ADJUSTABLE GAUGE FOR SEWING MACHINES
John J. Cahill, New York, N. Y., assignor to Mutual Machine Company, New York, N. Y., a co-partnership composed of John F. Brady and John J. Cahill
Application July 15, 1939, Serial No. 284,629
2 Claims. (Cl. 112—20)



1. In an overseaming sewing machine having a housing, inner and outer feeding disks for engaging between them material to be sewn, and stitching and looping mechanism, the combination therewith of a substantially rigid gauge bar having an attaching portion, a vertically disposed groove in said housing of a size and shape to snugly accommodate the attaching portion laterally and to permit movement of the latter along the groove vertically to adjustable positions, means for securing said bar in adjusted

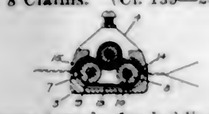
positions, said gauge bar having an outwardly extending horizontal arm disposed outwardly of the peripheries of said disks, a bent finger portion secured to said horizontal arm and curved inwardly toward said disks, and a rest on the free end of said finger extending over and across the peripheries of said disks adjacent their point of tangency and adapted to be engaged by the material to be sewn and adjustably to limit the height to which the material extends above the disk surfaces with vertical adjustments of the gauge along the groove.

2,239,190
AIR CONDITIONING METHOD AND APPARATUS
Jewel C. Chambers, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application December 1, 1933, Serial No. 700,452
4 Claims. (Cl. 62—6)



1. The method of conditioning air for an enclosure which comprises contacting a stream of air with a bank of individual heat exchange units, operating varying numbers of said units in proportion to the temperature change required, contacting another stream of air with a hygroscopic medium, controlling a hygroscopic function of said medium in accordance with relative humidity conditions within said enclosure and discharging said streams in said enclosure.

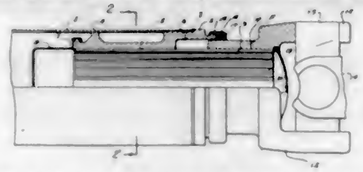
2,239,191
LOOM TEMPLE
Richard E. Chard, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 12, 1940, Serial 360,980
8 Claims. (Cl. 139—295)



1. In a loom temple for holding cloth as it is being woven, a base member, an endless belt mounted on said base member, a fabric gripping member mounted on said base member on the opposite side of the cloth from said belt and adjustable means for pressing said fabric gripping member into engagement with said belt whereby said fabric gripping member will be pressed into engagement with and partially enveloped by said belt.

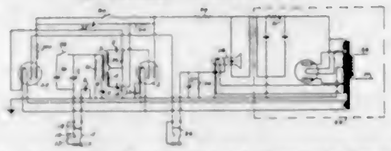
2,239,192
YOKE AND SHAFT ASSEMBLY
Herbert A. Cutting, Detroit, Mich., assignor to The Cutting Sales & Engineering Corporation, a corporation of Michigan
Application March 8, 1938, Serial No. 194,636
9 Claims. (Cl. 64—1)

1. The combination of a shaft having a shaft end inserted therein, said end comprising a splined portion and a relatively larger cylindrical bore coaxial therewith, and a member having a splined shank mating with said splined portion,



said shank having a portion of smooth cylindrical exterior of a diameter substantially corresponding to said bore traversable into said cylindrical bore during engagement of said splined portion with said splined shank.

2,239,193
MEANS FOR TESTING ELECTRICAL APPARATUS
Paul R. Dunlap, Portland, Oreg.
Application February 20, 1939, Serial No. 257,358
13 Claims. (Cl. 175—183)

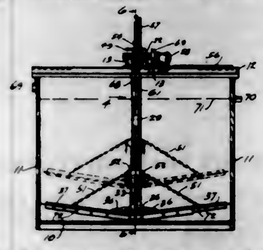


1. Apparatus for testing the operative function of the component parts of an electrical device comprising an electrical test circuit including a plurality of branches and leads, an oscillator tube having a cathode, a grid, and a plate, an oscillating circuit therefor, an oscillation indicator adapted to indicate the strength of oscillations of said tube, a control tube having a cathode, a grid, and a plate, all of said devices being electrically connected in said test circuit, a branch circuit for applying voltage across the grid and cathode of the control tube to maintain said control tube grid negative with respect to its cathode to inhibit the flow of current between plate and cathode of said control tube, a branch lead supplying plate current to the plates of both of said tubes, a substantial resistance element arranged in said plate supplying lead, said parts being thus arranged to maintain said oscillator inoperative after the voltage applied to the control tube grid has been reduced to permit current to start flowing between plate and cathode in the control tube and means for interposing a part to be tested in said oscillating circuit.

2,239,194
AIR LIFT AGITATOR
Louis A. Fitzgerald and Louis Lembeck, Republic, Wash., assignors to Western Machinery Company, San Francisco, Calif., a corporation of Utah
Application August 15, 1940, Serial No. 352,714
8 Claims. (Cl. 261—92)

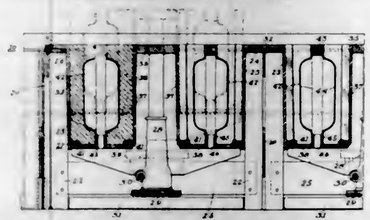
1. An ore pulp agitator comprising in combination, a tank, a tubular shaft extending vertically thereinto, a bearing for said shaft supported above the tank, means for rotating the shaft, a sleeve telescopically connected with the lower end of the shaft, interengaging splines and grooves on the shaft and sleeve for effecting a slidable and nonrotatable connection, radial

rake arms connected with the lower end of the sleeve for rotation therewith, and means for



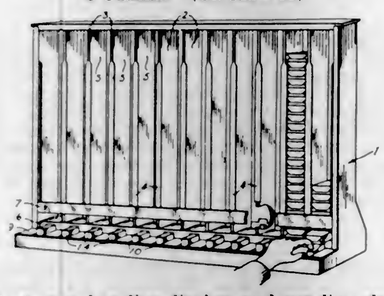
raising and lowering the sleeve and its attached rake arms relative to the tubular shaft.

2,239,195
METHOD AND APPARATUS FOR MOLDING SLABS
Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application January 23, 1939, Serial No. 252,316
16 Claims. (Cl. 25—121)



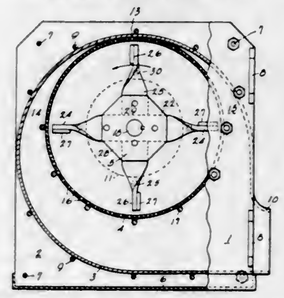
1. Molding apparatus comprising a frame including spaced side walls, a liftable member removably disposed in said frame and including spaced bottom plates and an end wall, and side walls extending upwardly from the adjacent edges of said plates, a core removably disposed on each of said plates having an end wall, the end walls on the cores cooperating with said side walls and said first-mentioned end wall to define a plurality of molds.

2,239,196
VENDING AND DISPLAY DEVICE
Rasmus Lunvik, Dorris, Calif.
Application July 1, 1940, Serial No. 343,337
3 Claims. (Cl. 312—63)



1. A merchandise display and vending device comprising a vertical rack defining a plurality of vertically extending compartments each having a floor and adapted to accommodate a plurality of articles of merchandise in stacked arrangement upon said floor, a discharge aperture formed at the bottom of each compartment to accommodate the lateral discharge of one only of said articles from said compartment, a pivoted ejector member for each compartment underlying the latter, having an upstanding hammer element at one end proportioned and arranged to extend into said compartment spaced from said aperture to engage and to drive the lowermost article in said compartment thru said aperture, said ejector member being of substantial mass, pivotally mounted at one side of the center of mass thereof so that said hammer element is normally out of engagement with the article in said compartment, having a finger operated key portion lying laterally to one side of said compartment and directly below the floor of the latter, and a tray extending from below and laterally to one side of said compartment, upwardly facing slots in said tray, said ejector members lying in said tray and having the key portion of each lying in one of said slots and projecting upwardly from said tray, whereby when said key portion is manually depressed by the operator's finger said ejector member is moved about its pivot, the hammer portion is thrown into engagement with an article and strikes said article, driving it thru the aperture and into engagement with the finger of the operator.

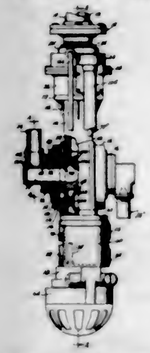
2,239,197
PULVERIZER
Irven T. Miller, Modesto, Calif.
Application April 15, 1939, Serial No. 268,132
6 Claims. (Cl. 83—11)



1. In a pulverizer, a drum having perforations in the periphery thereof and having an axial intake opening of substantial size, means for feeding bunched material through the opening, a rotor, means for revolvably mounting the same within the drum, the rotor comprising a plurality of flat radial arms having inner ends running parallel to the end walls of the drum, central plates on opposite sides of said inner ends and being substantially co-extensive in size with the intake opening and being spaced from both ends of the drum, and means for clamping the plates upon the arms having prongs projecting therefrom toward the intake opening for tearing and ripping the bunched material fed toward the rotor and for throwing the said material outward, the arms being twisted immediately outside the plates and substantially opposite the margin of the opening to produce an impeller effect for distributing the separated material substantially through the depth of the drum, and the arms terminating in substantially transverse blades extending to within close proximity of the drum for whirling the material against the walls of the drum perforations whereby the material is comminuted into fine particles, the

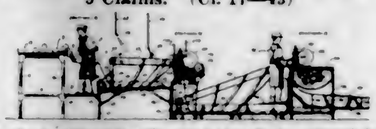
margin of the intake opening having prongs projecting inwardly therefrom in overlapping relation to the rotor prongs and substantially opposite the twisted portions of the rotor arms to cooperate with the rotor prongs in directing the material carried by the latter toward the twisted portion of the arms.

2,239,198
APPARATUS FOR WASHING TANKS
William Ostling, Los Angeles, Calif., and Clare Richard, Manhasset, N. Y., assignors to Harold M. Sawyer, San Francisco, Calif.
Original application August 31, 1936, Serial No. 98,698. Divided and this application July 9, 1938, Serial No. 218,424
11 Claims. (Cl. 299—67)



11. A tank cleaning device of the class described embodying: a substantially vertical main feed pipe; a nozzle feed housing mounted on said main feed pipe for rotation about a vertical axis; a nozzle member mounted on said housing for rotation about a horizontal axis; means for rotating said nozzle feed housing at a relatively high speed; and means associated with said housing rotating means for simultaneously turning said nozzle member about its horizontal axis at a relatively low speed; said two means being so constructed and arranged that the ratio of the speed of rotation of said nozzle feed housing to the speed of rotation of said nozzle member is approximately 400 to 1, whereby a stream of liquid issuing from said nozzle member takes a laterally overlapping helical path in a substantially horizontal plane.

2,239,199
CASING MACHINE
Roy D. Pulley, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application October 6, 1936, Serial No. 104,279
5 Claims. (Cl. 17—43)



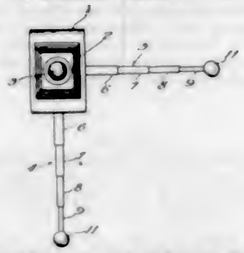
1. A casing treating apparatus comprising a frame, means at the forward end of said frame and at the rearward end of said frame for supporting endless conveying means, means at the rearward end of said frame for supporting a second endless conveying means, said first conveying means being in superposed relation relative to said second conveying means and casing treating means between said first conveying means and said second conveying means whereby a casing released by said first conveying means will drop by gravity to the treating means and following treatment will be gravitationally disposed onto said second conveying means.

2,239,200
DEVICE FOR TRAINING FOOTBALL KICKERS
Millard W. Peterson, Westwood, Calif.
Application January 8, 1940, Serial No. 312,828
6 Claims. (Cl. 273—55)



2. A device for training football kickers having: two upright walls forming a channel to guide the kicker's foot in a straight line; and means to hold a football with the axis of the football at least approximating a position intersecting the axis of said channel.

2,239,201
STABILIZER FOR HAND CAMERAS
Robert F. Pyzel, Chicago, Ill.
Application October 10, 1938, Serial No. 234,185
3 Claims. (Cl. 248—1)

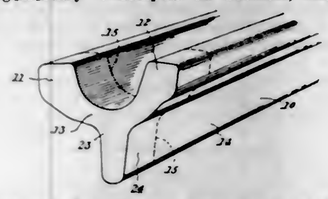


1. In combination, a hand camera comprising a body having a top, bottom and sides, and adapted to contain a film at the focal plane of the camera, arms rigidly connected to the bottom and side of the camera body, said arms lying substantially in the focal plane of the camera and having their respective centers of gravity remote from the camera body to increase the angular inertia of the body about a line contained in or parallel to its focal plane.

2,239,202
FORGING BLANK FOR STEERING KNUCKLES
Norman C. Rendleman, Pittsburgh, Pa., assignor to Jones and Laughlin Steel Corporation, a corporation of Pennsylvania
Application July 9, 1938, Serial No. 218,454
2 Claims. (Cl. 29—148)

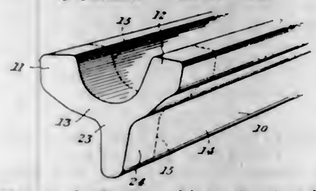
2. A blank for the manufacture of steering knuckles having bearing sockets and a spindle,

said blank comprising a short length of a rolled bar generally Y-shaped in section, the section



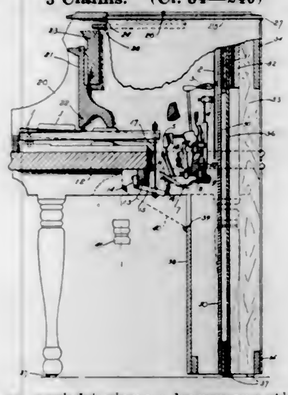
having rolled, bulbous enlargements at the bearing socket end of the blank, and a rolled rib projecting from the mid-portion of the section.

2,239,203
METHOD OF MAKING STEERING KNUCKLES
Norman C. Rendleman, Pittsburgh, Pa., assignor to Jones and Laughlin Steel Corporation, a corporation of Pennsylvania
Original application July 9, 1938, Serial No. 218,454. Divided and this application November 18, 1940, Serial No. 366,160
3 Claims. (Cl. 29—152)



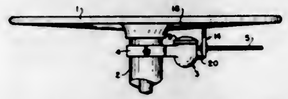
3. The method of making steering knuckles, which comprises rolling a bar Y-shaped in section having flanges connected by a web, the flanges being thicker than the web and having a tapered rib projecting from the web, cutting the bar into short lengths, and forging said lengths into steering knuckles.

2,239,204
UPRIGHT PIANO
Francis C. Socin, St. Charles, Ill., assignor, by mesne assignments, to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation of Ohio
Application July 29, 1935, Serial No. 33,628
3 Claims. (Cl. 84—240)



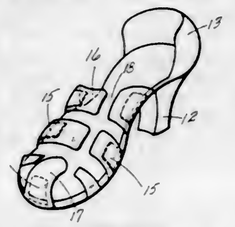
1. In an upright piano a hammer action mounted in front of the strings with a wippen disposed below the level of the keyboard, a wippen finger fulcrumed below the keyboard and extending under the wippen in contact therewith, the contacting surfaces of said wippen finger and the wippen being curved for rolling contact when said parts swing about their respective pivots, and a link connecting said wippen finger with the inner end of a key for actuation thereby.

2,239,205
DIRECTION INDICATOR CONTROL
Harry A. Steele, Syracuse, N. Y., assignor to Protectall Motor Signal, Inc., Syracuse, N. Y., a corporation of New York
Application December 21, 1939, Serial No. 310,310
5 Claims. (Cl. 200—59)



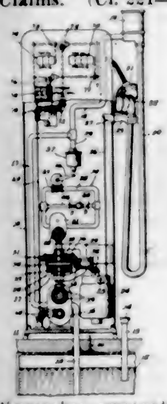
1. The combination with the steering wheel of a motor vehicle having a knock-off element movable therewith; of a direction indicator control mounted below the steering wheel and including an operating lever movable from neutral position in a plane substantially parallel to the plane of movement of the wheel, a resetting device carried by the lever and shiftable as a unit therewith out of neutral position and normally arranged out of the plane of movement of the knock-off element, and shiftable relatively to the lever to carry a portion thereof into the plane of movement of said element in a direction at a right angle to said plane, means for effecting relative movement when the lever is shifted from neutral position and for holding it from returning to normal position and permitting pivotal movement in one direction only to permit ratcheting of the knock-off element during turning of the wheel in one direction only, and means acting on the resetting member tending to return it to normal position, all whereby the resetting member is momentarily restrained from ratcheting during the turning of the steering wheel in the opposite direction and receives a starting impulse to return the lever to its neutral position.

2,239,206
PLASTIC SHOE
Chester Tietig, Covington, Ky.
Application July 12, 1939, Serial No. 284,063
6 Claims. (Cl. 36—11.5)



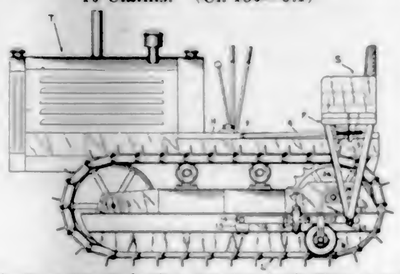
1. A sandal comprising a sole of a tough thermoplastic material of limited flexibility at ordinary temperature and bands of the same material curving upwardly and inwardly from said sole and being integral therewith, for enclosing the forward portion of the human foot by the inherent resiliency of the material in the bands.

2,239,207
LIQUID DISPENSING APPARATUS
Richard R. Trexler, Evanston, Ill.
Application October 29, 1938, Serial No. 237,593
16 Claims. (Cl. 221—95)



1. A liquid dispensing apparatus comprising a source of liquid supply, a dispensing nozzle adapted to be opened and closed to control the flow of liquid through the nozzle, a dispensing line connecting the source of supply and the nozzle, a pump for propelling liquid through the dispensing line and nozzle, a power motor, means comprising a differential gearing connecting the motor and the pump, and loading means connected to the differential gearing for causing the differential gearing to drive and stop driving the pump when the nozzle is opened and closed.

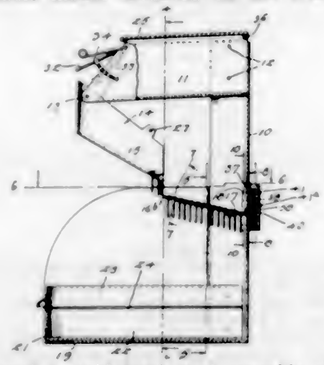
2,239,208
TRACTOR SEAT SUPPORT
Brud A. Watson, Harrington, Wash.
Application April 10, 1940, Serial No. 328,854
10 Claims. (Cl. 180—9.1)



1. In a track laying tractor including a main body frame traveling on paired endless tracks, a wheeled seat frame separate from said main frame, the wheels of said seat frame being mounted to travel upon the laid portion of the tractor tracks and connected to the tractor so as to derive draft force therefrom.

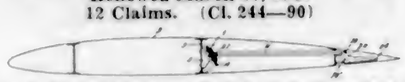
2,239,209
NAIL STRIPPER
Emil E. Werner, Lodi, Calif., assignor of one-half to Lydia E. W. Felts, Glendale, Calif.
Application October 3, 1938, Serial No. 233,088
5 Claims. (Cl. 1—49.7)

1. A device of the character described, comprising, a frame, a hopper mounted in said frame at the upper end thereof, a chute subjacent said hopper and pivotally connected thereto and provided with a nail receiving track extending through and adjustable relative to said frame, adjustable means mounted on the frame and



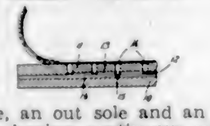
connected to said track and operable with respect to the frame to vary the inclination of said chute and track relative to said hopper, and a tray subjacent said track and carried by said frame for receiving nails or the like accidentally dislodged from said chute.

2,239,210
OPERATING MEANS FOR AIRPLANE CONTROL SURFACES
Robert J. Woods, Grand Island, and Robert A. Wolf, Kenmore, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application April 5, 1938, Serial No. 200,236
Renewed March 27, 1940
12 Claims. (Cl. 244—90)



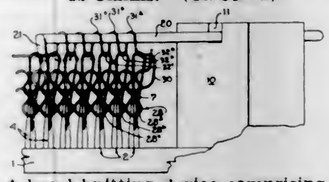
1. A device for operating a control surface of an airplane comprising an operating unit capable of rotary movement, a control surface, and means connecting said control surface to said operating unit, said means having a line of thrust in angular relationship of less than 60 degrees with the rotation axis of the operating unit, whereby a rotary movement of the unit will impart a thrust to said connecting means, said unit and said connecting means being entirely without the slipstream.

2,239,211
VENTILATED SHOE
William De Kalb Wylie, Winston-Salem, N. C.
Application April 19, 1940, Serial No. 330,620
2 Claims. (Cl. 36—3)



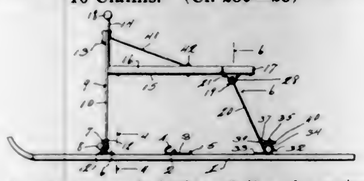
1. In a shoe, an out sole and an inner sole, the inner sole having continuous unobstructed grooves in its under face extending longitudinally from the toe portion thereof throughout the arch, said face of said inner sole also having lateral grooves communicating with said longitudinal grooves, the longitudinal and lateral grooves of said inner sole terminating inwardly from the edges thereof, said inner sole having ports extending laterally therethrough and communicating with said grooves, said out sole having one face provided with a central longitudinal groove and spaced lateral grooves, the lateral grooves extending from side edge to side edge of said out sole, and said out sole secured to said inner sole in sealed relationship therewith and with the grooves of the respective soles in registration with one another.

2,239,212
KNITTING DEVICE
Thomas B. Adams, Quincy, Ill.
Application October 23, 1939, Serial No. 300,693
12 Claims. (Cl. 66—1)



12. A hand knitting device comprising a base, a series of spaced knitting pins on said base upon which the stitches of knitting work may be formed, each pin comprising a pedestal having a recess on one side and a U-portion fixed at one end to the pedestal, said recess being adapted to receive the free end of said U-portion, and a needle comprising an elongated rod having a finger on one end disposed at substantially right angles thereto for progressively forming loops between each pair of knitting pins.

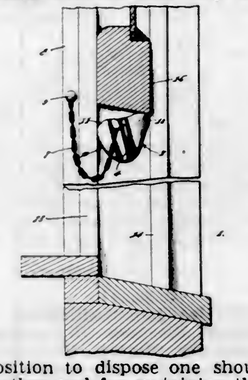
2,239,213
SKI HORSE
Charles E. Artman, Spokane, Wash.
Application April 27, 1940, Serial No. 332,086
16 Claims. (Cl. 280—23)



1. An amusement device of the character described, comprising a pair of skis, a pair of leg members pivotally attached to and spaced longitudinally of each ski, means carried by each ski between the pair of leg members facilitating engagement of the foot with the ski, a connecting means between the two pairs of leg members, the front leg member of each pair being of a construction to be flexed upon the forward and rear movement of the ski and a pivotal connection between the upper ends of the rear leg members only and said connecting means.

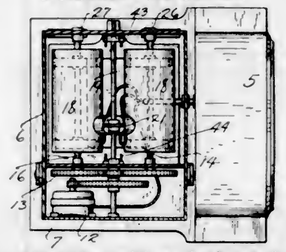
2,239,214
SASH HOLDER
Edwin A. Bakeman, Belding, Mich., assignor of one-half to Clinton B. Kern, Belding, Mich.
Application July 27, 1940, Serial No. 347,962
2 Claims. (Cl. 292—343)

1. A sash holder for use in a sash guide of a window and to be interposed between the sash stop and parting strip beneath the sash to support the same in an elevated position, said holder comprising a substantially heart-shaped member in side elevation, having a flat side for fitting flush against the bottom of the sash guide, and a pair of upper front and rear corner shoulders of rounded form spaced further apart than the width of said guide whereby said member may be interposed between said stop and strip in



canted position to dispose one shoulder higher than the other and for sustaining the weight of the sash and whereby under the weight of the sash on said higher shoulder said member is urged downwardly with a rotary action on said stop to wedge said shoulders against the stop and parting strip, respectively.

2,239,215
CLOCK MECHANISM
Claude R. Banks, San Francisco, Calif.
Application August 15, 1938, Serial No. 225,052
4 Claims. (Cl. 58—14)

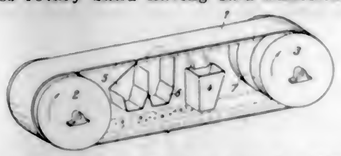


1. In combination with a clock mechanism, of a reproducing mechanism periodically controlled by said clock mechanism, said mechanism including a pair of parallel spaced cylinder records, a reproducer for each of said records, means for moving the reproducers longitudinally between the cylindrical records, means for moving the stylus of one of said reproducers into engagement with one of said records during the travel of said reproducers from end to end of said record, and means for moving said stylus out of engagement with said record and moving the other stylus into engagement with the other of said records.

2,239,216
APPARATUS FOR MECHANICALLY SEPARATING MINERAL MIXTURES
Ernst Bierbrauer, Leoben, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application July 28, 1938, Serial No. 221,842
7 Claims. (Cl. 209—49)

1. In a machine for separating coarse-grained mineral mixtures, a member having a surface,

and an adhesive coating on said surface for receiving such coarse-grained mineral mixtures, the constituents of said mixture having different adhesiveness thereto, said member comprising an endless rotary band having said adhesion coating on its inner surface, means to guide said band in a path having straight and curved portions to impart a centrifugal force to a part of said band in said curved path portions, and means for feeding and discharging said mixtures on and from the inner surface of said band.



2,239,217
FOUNDATION GARMENT
Conrad Bullinger, Riverside, Ill., assignor to A. Stein & Company, Chicago, Ill., a corporation of Illinois
Application December 18, 1939, Serial No. 309,715
3 Claims. (Cl. 2—30)



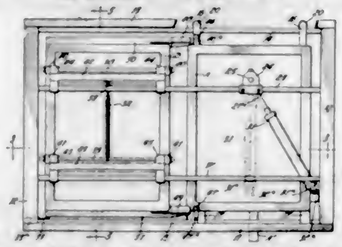
1. A women's garment of the character described, comprising a body part and a bust section, the brassière part being formed independently of the body part and having pocketed members provided with lower rounded edges adapted to substantially conform to the natural line of junction between the breasts and the chest, said members being of such horizontal dimensions as to provide full coverage for the breasts and said lower edges extending well upwardly at the outer sides of the breasts in continuing conformity to said line of junction, said members being permanently secured along said lower edges to the said body part of the garment but one of said members having an outer portion of its lower edge detachably connected to said body part so as to permit separation of the corresponding end portion of the bust section from the body part, the body part having a slit extending downwardly from a point adjacent the inner end of said detachably connected edge portion in the line of attachment between the bust section and body part, and means for detachably connecting the portions of said body part on opposite sides of said slit, said slit and detachable connection permitting opening of the garment so as to facilitate the putting on or removal of the garment.

2,239,218
RAZOR STROP
Gilbert Otto Decker, Fountain City, Wis.
Application June 11, 1940, Serial No. 339,941
2 Claims. (Cl. 51—200)



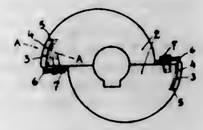
1. A razor strop comprising an elongated hollow stropping element, a heating unit in the stropping element, said heating unit consisting of a sheet of asbestos, a heating element wound on the sheet of asbestos, and an insulating jacket for the sheet of asbestos and heating element.

2,239,219
X-RAY CASSETTE CHANGER
Parkman N. Carl, Chicago, Ill., assignor to George W. Brady & Co., Chicago, Ill., a corporation of Illinois
Application March 29, 1939, Serial No. 264,720
13 Claims. (Cl. 250—66)



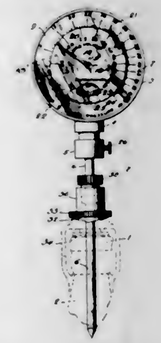
1. In a device of the class described, a housing frame, rail means mounted horizontally across said frame, a cassette holder, roller elements carried by said cassette holder, said roller elements engaging said rail elements, a handle connected with said holder to afford manual, horizontal, lateral manipulation thereof from an inoperative, shielded station to an operative exposure station, a transporting assembly, said transporting assembly including in combination, a torsion spring and an angularly movable piston-cylinder assembly, a mounting element for anchoring said spring, said element being mounted on the housing, said piston having a piston rod pivotally associated with said mounting and having its upper end bearing against the free end of said spring to be urged through operative angular movement thereby, said cylinder receiving said piston in operative relationship and having its lower end pivotally secured to said cassette holder, and a one-way inwardly closing check valve at the lower end of said cylinder.

2,239,220
CUBING OR PELLETING MACHINE FOR FEEDS
Paul René De Permentier, Brussels, Belgium
Application July 15, 1939, Serial No. 284,804
In Belgium July 19, 1938
5 Claims. (Cl. 107—8)



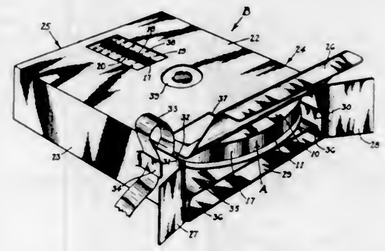
1. In a press of the character described, a fixed annular casing provided with a plurality of openings in its lateral wall and mounted with its axis vertical, a shaft extending vertically through said casing, and a compressor element mounted on said shaft, said element comprising two semi-cylindrical bodies with their axial faces joined together and with their axes radially offset relative to each other and to the axis of said shaft.

2,239,221
GAS-VOLUME INDICATING GAUGE
William E. Dimmock, College Park, Ga.
Application January 3, 1939, Serial No. 249,076
4 Claims. (Cl. 73—345)



3. In a gauge for registering temperature and the pressure and volume of gas, a casing having a transparent wall at one end, a dial in said casing viewed through the transparent wall and bearing a pressure scale about its periphery and a temperature scale, concentric to the pressure scale a disk covering the portion of said dial carrying the temperature scale and exposing the pressure scale, said disk bearing a gas volume scale about its margin and being formed with an opening exposing a portion of the temperature scale, a pointer mark upon said disk at its opening for cooperating with the temperature scale, a shank extending from said casing, the shank being formed with a mercury column and a longitudinally extending pressure passage having an inlet near its lower end, actuating means for said disk operable by the mercury column and including a rotatable shaft carrying said disk, and pressure responsive means in said casing communicating with said passage and including a rotatable shaft carrying a pointer extending radially of the disk for cooperating with the pressure scale and the volume scale.

2,239,222
RIBBON PACKAGE AND REEL
Edward Funke, Pelham Manor, N. Y., assignor to John C. Welwood Corporation, New York, N. Y., a corporation of New York
Application July 17, 1937, Serial No. 154,157
6 Claims. (Cl. 206—52)



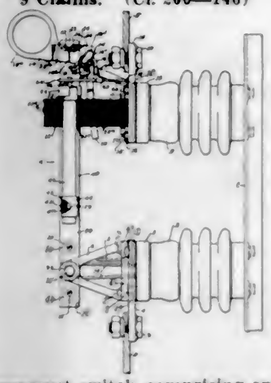
1. A package for dispensation, merchandising and display of ribbons including a rectangular box, a slot at one corner of said box through which the ribbon may be dispensed and a reel for dispensing ribbon comprising a central pivotal member upon which the reel of ribbon is to be wound and two side members, one of said side members being provided with a slot having an indicator showing the total amount of ribbon upon the reel and the amount which has been consumed, said box being provided with a radial opening enabling exposure of said indicator as said reel is turned within said box and said box being also provided with U-shaped filler formed of bent cardboard to hold said indicator adjacent said opening.

2,239,223
BLOCKING ARMOR
Martin John Gilman, Gilman, Conn.
Application November 3, 1938, Serial No. 238,504
8 Claims. (Cl. 2—2)



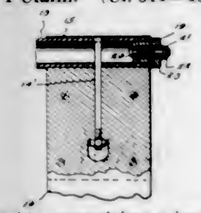
1. In a blocking armor of the type described, a unitary articulated structure comprising a torso protector and a leg protector, said leg protector consisting of a thigh pad, a shin pad, an unpadded member connecting said thigh pad with said shin pad, and a knee pad member covering said unpadded thigh and shin connecting strip and overlapping the upper portion of the shin pad.

2,239,224
ELECTRICAL SWITCH
George W. Goldner, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application April 12, 1939, Serial No. 267,370
9 Claims. (Cl. 200—146)



1. A disconnect switch comprising spaced contacts, a blade structure comprising a pair of blades supported for movement into and out of electrical contact with said spaced contacts, a by-pass member supported independently of said blade structure for pivotal movement into electrical contact with said spaced contacts so as to by-pass electrical energy from one to the other of said spaced contacts and out of such electrical contact with said spaced contacts, said blade structure being adapted for movement independently of said by-pass member, and means carried by said blade structure and adapted to engage said by-pass member whereby movement of said blade structure to draw the pair of blades thereof out of electrical contact with said spaced contacts will move said by-pass member into electrical contact with said spaced contacts.

2,239,225
WALL TABLE
Reed D. Gordon, Kansas City, Mo.
Application June 22, 1939, Serial No. 280,629
1 Claim. (Cl. 311—19)



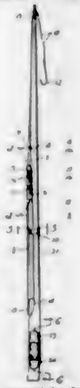
A folding table comprising a top hinged at one edge to a supporting structure, a brace also hinged at one end to said structure below the top, a pair of spaced parallel guides secured to the underside of the top and including opposed track flanges, a transversely extending member abutting the free end of the brace, a U-shaped attaching plate secured to opposite faces of the brace at the free end thereof and embracing said transversely extending member, means anchoring the member to the brace to prevent transverse movement of the member relative to the brace, said member projecting from opposite edges of the brace for slidable engagement on the flanges of the track, one of said guides having an opening therein, a spring projected catch projecting outwardly from one end of the member for engagement in said opening to secure the top in a horizontal position, and a releasing rod mounted under the top in position for retracting the catch when the brace is in its supporting position.

2,239,226
CROCHET COTTON BALL HOLDER
Vernon F. Graham, Sr., Chester, Pa.
Application May 17, 1939, Serial No. 274,264
3 Claims. (Cl. 242—130)



1. A holder for a spool having a transverse end wall comprising a base having a gudgeon, a spindle rotatably mounted on the said gudgeon and having an upstanding threaded shank the distal end of which is pointed to pierce the transverse wall of the spool, and a spool securing cap threadedly received by the last-mentioned shank and adapted to be moved into pressed superimposed relation with the transverse wall of the said spool to hold the same clamped to the spindle.

2,239,227
FISH POLE
Nuffen Gunnufson, Sunburg, Minn.
Application May 11, 1940, Serial No. 334,560
5 Claims. (Cl. 43—20)

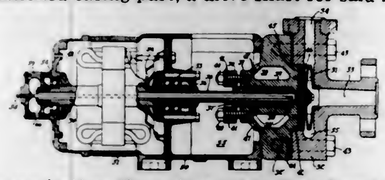


1. A fish pole provided with a longitudinal flange formed with longitudinally spaced reverse under-cut line winding notches, said pole having a line guide at its tip end, and a fish hook anchoring clip frictionally engaging and sliding on the body of the pole, said flange further having a line anchoring hole located between its reversely under-cut notches.

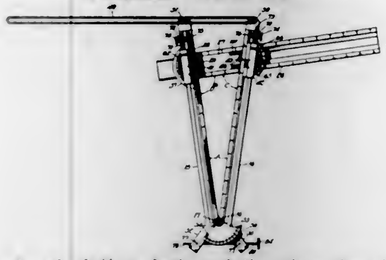
2,239,228
PUMP MECHANISM
Lewis E. Hankison, Dormont, Pa.
Application January 21, 1938, Serial No. 186,092
3 Claims. (Cl. 103—114)

1. In combination in a pump, a pump runner, a sectional pump casing enclosing said runner,

one casing part having the pump chamber and the entire volute formed therein and provided with a centrally disposed inlet port and a peripherally disposed outlet port and a second casing part projecting into and constituting a closure for a lateral aperture formed in the first-mentioned casing part, a drive shaft for said runner projecting through an aperture formed in said second casing part, a shaft packing for said shaft located within said aperture, a heat insulating packing located within said pump chamber, secured to said second casing part and positioned so as to retard the flow of heat from said pump chamber to said shaft packing and means for cooling said shaft packing.

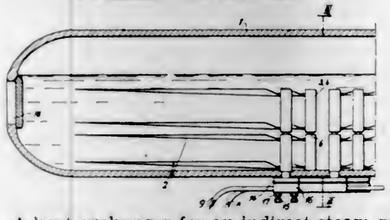


2,239,229
CALCULATING DEVICE
Albert T. Harris, New York, N. Y., assignor to Cal-Ku-Scope Inc., New York, N. Y., a corporation of New York
Application July 9, 1940, Serial No. 344,571
9 Claims. (Cl. 33—98)



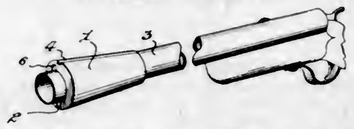
4. A calculating device of the class described comprising a pair of arms pivotally connected together, means for indicating the angular relation between said arms, a member extending across the arms and comprising a pair of slidable sections, a vernier slide arranged on each arm and pivotally connected to the respective sections of said cross member, and protractor means for indicating the angular relation between the cross member and each of the arms.

2,239,230
HEAT EXCHANGER
Otto Hartmann, Kassel-Wilhelmshohe, Germany
Application March 1, 1940, Serial No. 321,757
In Germany May 19, 1939
3 Claims. (Cl. 257—239)



1. A heat exchanger for an indirect steam generating system comprising a drum, a manhole in one end of said drum, a plurality of header units each of which has its major dimension less than the major axis of said manhole and each of which is subdivided into a distributing chamber and a collecting chamber, said units being mounted in rows transversely of said drum with at least one unit superimposed upon another unit and with the respective chambers thereof vertically aligned, separable joints connecting the superimposed units, and tube bundles horizontally extending in said drum and joined to their respective header units.

2,239,231
GUN SIGHT
James Draper Hooks, Macon, Ga.
Application July 12, 1939, Serial No. 284,062
5 Claims. (Cl. 33—47)

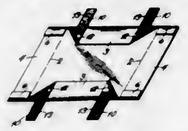


1. A gun sight for snap shooting for use on fire-arms having a sight fixed on the muzzle of the barrel, comprising an inclined elongated frusto-conical body member for disposition about the muzzle of a gun barrel and having a sighting groove longitudinally thereof, said body member having means for detachable engagement with the existing sight on the barrel to removably hold the sighting groove over the existing sight.

2,239,232
PRODUCTION OF MONOALDEHYDE-KETONE ALDOL CONDENSATES
Hendrik Willem Huyser, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 7, 1939, Serial No. 303,311. In the Netherlands November 15, 1938
16 Claims. (Cl. 260—594)

1. A process for the production of monomethylol butanone which comprises reacting dimethylol butanone with methyl ethyl ketone in the presence of barium hydroxide.

2,239,233
FOLDING BOX
Meade Hyndman, St. Louis, Mo.
Application April 4, 1938, Serial No. 199,748
1 Claim. (Cl. 229—32)



In a folding box comprising a blank including a bottom, two inwardly foldable side panels, and two inwardly foldable end panels each having triangular portions at the ends thereof formed by scores converging upwardly from the lower corners of said end panels at the ends of said side panels; tabs integrally hinged to the ends of said side panels covering the inner surfaces of the end parts of said triangular portions and extending across said scores and covering parts of

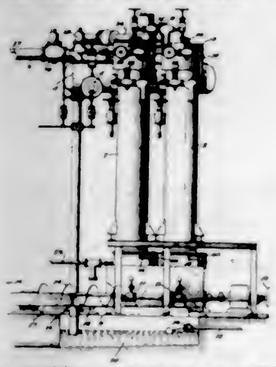
said end panels below said scores and leaving parts of said triangular portions above said scores uncovered, said tabs having a length less than the width of said end panels, means attaching said tabs to the adjacent surfaces of said triangular portions covered thereby above said scores and leaving the remainder of said tabs below said scores unattached to said end panels and free for frictional engagement with said bottom wall to prevent inward folding of said side and end panels when the box is open, and tabs integrally hinged to the ends of said triangular portions and each having a length equal to the width of the adjacent side panel, said last named tabs being attached to the outer sides of said side panels and leaving said end panels free to fold inwardly upon said bottom wall and said side panels to fold inwardly upon said triangular portions of said end panels and said last named tabs exposed.

2,239,234

ICE FREEZING APPARATUS

Benjamin F. Kubaugh, Louisville, Ky., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky., a corporation of Kentucky

Application April 12, 1939, Serial No. 267,499
13 Claims. (Cl. 62—164)



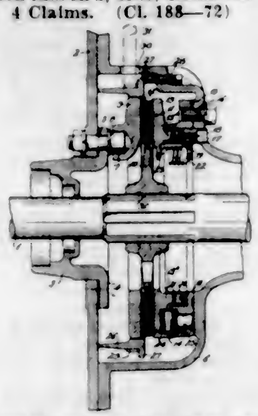
1. In ice making apparatus, a refrigeration system including an evaporator in the form of a tank having ice freezing tubes passing therethrough in a direction to discharge their contents gravitationally, said evaporator having connections with the liquid and suction limbs of said system, means for circulating through said tubes the water to be frozen into ice columns therein, means for displacing liquid refrigerant from said evaporator at the end of the freezing period by admitting hot gaseous refrigerant under pressure to said evaporator, the heat of which thaws the ice columns from the walls of said tubes, ice cutting mechanism mounted beneath said tubes, movable transversely thereof into the path of which the ice columns gravitate when detached from said ice tubes, the lower ends of said tubes extending beyond said evaporator in proximity to said cutting mechanism and out of the thawing zone of the hot gaseous refrigerant, means for applying thawing water to said tube ends, valves controlling the suction connection of said evaporator, the supply of water thereto for ice making, the admission of the hot gaseous refrigerant, and the flow of thawing water, and valve operating means for opening both the ice water supply controlling valve and the suction valve and at the same time closing both the hot gaseous refrigerant admitting valve and the thawing water controlling valve or closing both the ice water supply controlling valve and the suction valve and at the same time opening the hot gaseous refrigerant valve and the thawing water controlling valve.

2,239,235

BRAKE MECHANISM

Homer T. Lambert, St. Joseph, Mich.

Application March 2, 1940, Serial No. 322,023
4 Claims. (Cl. 188—72)



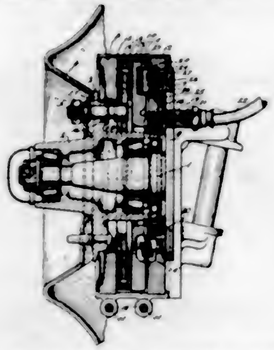
1. In a brake unit of the class described, in combination, brake mechanism including a normally relatively stationary brake disc, relatively movable brake parts cooperative with said disc, a support, connections between the support and said brake disc permitting axial movement of the latter toward and from its cooperative brake parts, and an adjusting member engaging said brake disc for moving the same to different adjustments relative to its cooperating brake parts, said last mentioned member comprising a rotatable sleeve surrounding the disc and having a bearing against said support and having threaded connection with the said brake disc, separate releasable means for holding the sleeve against said support and preventing rotation of said sleeve.

2,239,236

BRAKE MECHANISM

Homer T. Lambert, St. Joseph, Mich.

Application March 2, 1940, Serial No. 322,028
13 Claims. (Cl. 188—72)



1. Brake mechanism for vehicles comprising in combination, a support, brake applying members

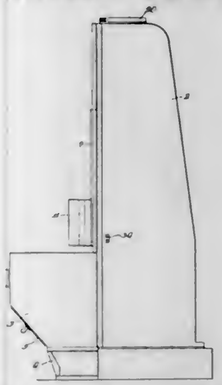
mounted thereon, a plurality of separate and independently mounted means arranged on and about said brake applying members and in spaced relation to each other for shifting said members axially to produce brake application, and means for simultaneously adjusting said axial shifting means to take up wear and maintain the proper clearance between the brake members.

2,239,237

BROACHING MACHINE

Francis J. Lapointe, Ann Arbor, Mich., assignor, by mesne assignments, to American Broach & Machine Co., Ann Arbor, Mich., a corporation of Michigan

Application October 19, 1937, Serial No. 169,848
20 Claims. (Cl. 90—33)



1. A broaching machine comprising, in combination, a single reciprocal broach-carrying ram having a plurality of broach supports thereon, a plurality of reciprocal work supporting tables movable in a substantially common plane transverse to the line of movement of said ram, each having a loading and a broaching position and each being cooperable with certain of the broach supports, hydraulic means for driving said ram repeatedly through a cycle including a broaching stroke and a return stroke of substantially equal length and for driving said tables through a cycle including an advancing and a return movement, and electrical control means governing said hydraulic means to operate the tables through a cycle of operation during alternate cycles of operation of said ram.

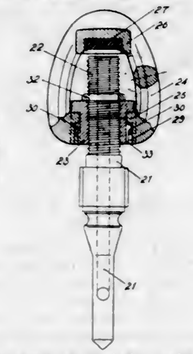
2,239,238

SCREW TYPE CLOSURE

See Thie Liem, The Hague, Netherlands, assignor to Dr. Henri François Torringa, The Hague, Netherlands

Application April 28, 1939, Serial No. 270,621
In Denmark March 29, 1939
2 Claims. (Cl. 138—89.3)

1. A closure for containers having a threaded neck portion terminating in an opening for the container which comprises a nut element adapted to be threaded on the neck of the container, a yoke member having arms embracing said nut and pivotally connected thereto for swinging movement about an axis transversely of the nut, the pivotal connection between said arms and nut including complementary interlocking coupling elements, one of which complementary elements comprises means providing an open-ended slot having a rounded inner end and a pinlike projection within said slot concentric with the rounded end thereof, the other of which complementary elements comprises a pin engaging the rounded end of said slot and providing an open-ended recess in its face engaging the pinlike projection in the slot of said first-mentioned complementary element, a projecting rib in the slot of said first-mentioned complementary element for engagement with the recess in the face of the pin of said second-mentioned complementary element to retain said yoke in a predetermined position of rotation with respect to said nut, the open ends of said slot and said recess being aligned to permit the nut to be uncoupled from the yoke member, while maintaining the shape of the latter, by a sliding movement in one radial position of the yoke with respect to its pivotal axis and to prevent uncoupling in all other such positions, and a sealing member carried by said yoke for sealing the opening in said neck portion.

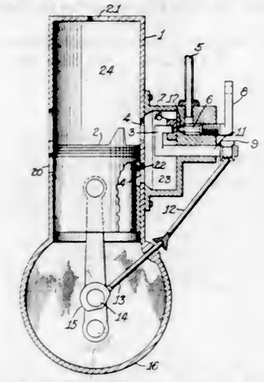


2,239,239

TWO-CYCLE ENGINE CARBURETION SYSTEM

William Alfred Lundell, Tacoma, Wash.

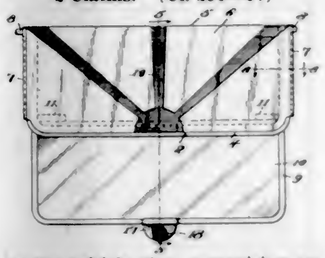
Application February 27, 1940, Serial No. 321,051
3 Claims. (Cl. 123—73)



1. In an internal combustion engine, the combination of a cylinder and a crankcase, a bypass connecting the cylinder and crankcase for the passage of scavenging air from the crankcase to the cylinder, a liquid fuel jet opening into said bypass, a valve seat for said fuel jet, a sliding disc on said valve seat and means for operating

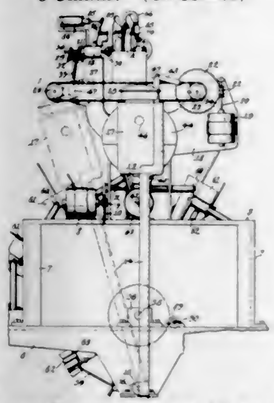
said sliding disc so that the liquid fuel is injected into the air as it passes from the crankcase to the cylinder.

2,239,240
MOTOR VEHICLE VISOR
Joseph R. Magness, Geary, Okla.
Application December 18, 1939, Serial No. 309,877
2 Claims. (Cl. 296—97)



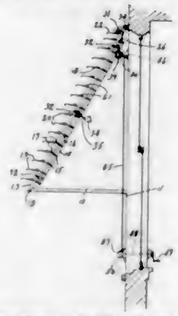
1. A motor vehicle visor comprising an opaque shield in the form of a flat housing having a slot therein, a body frame for the shield and including end members having end and intermediate keeper notches in the confronting faces thereof, a sheet of material secured to and covering the frame, a translucent shield fitting and mounted for slidable movement within the housing and through the slot, latching means carried by the translucent shield and including spring pressed bolts having beveled ends receivable in the keeper notches for holding the translucent shield in various positions into and out of use, a handle secured to and for moving the translucent shield to its respective positions, the notches being shaped to allow automatic movement of the bolts into and out of the notches upon movement of the translucent shield, and the outer notches having certain faces thereof arranged to provide stops for the bolts to prevent casual withdrawal of the translucent shield from the opaque shield.

2,239,241
AUTOMATIC MOTION PICTURE MACHINE
Arthur W. Miller and John H. McMahon, Albany, Calif.
Application November 27, 1939, Serial No. 306,386
8 Claims. (Cl. 88—24)



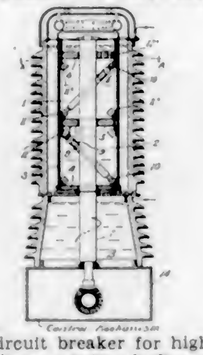
1. In a motion picture machine, a frame, a picture screen supported on the frame, a stator and rotor mounted on the frame in front of said picture screen, a movable arm forming a part of the stator, a projector housing secured to the free end of the movable arm, radiating arms mounted on the rotor, independently operable picture-projecting units at the free ends of the radiating arms, means for selectively moving the arms and picture-projecting units into operative projecting relation with respect to the screen, and means for moving said movable arm and projector housing into projecting relation with respect to the picture-projecting units and screen.

2,239,242
AWNING
Lee Miller, Los Angeles, Calif.
Application December 4, 1939, Serial No. 307,468
15 Claims. (Cl. 156—17)



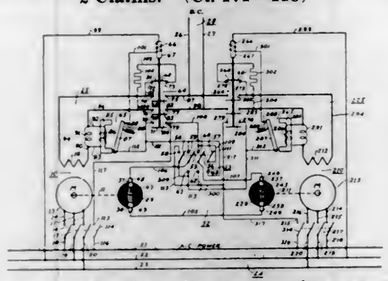
1. In an awning of the type having a plurality of louvers pivoted upon a frame by means of levers and having said levers pivotally connected to an operating link, said operating link being parallel to said frame, an uppermost louver, means exterior to said frame for pivotally mounting said uppermost louver, and means operably connecting said uppermost louver to said operating link.

2,239,243
OIL CIRCUIT BREAKER FOR ULTRA HIGH SPEED RECLOSURE
Albert Monchamps, La Plaine Saint-Denis, France, assignor to Societe Anonyme dite: Forges et Atelieres de Constructions Electriques de Jeumont, Paris, France
Application May 24, 1938, Serial No. 209,820
In France June 4, 1937
4 Claims. (Cl. 200—150)



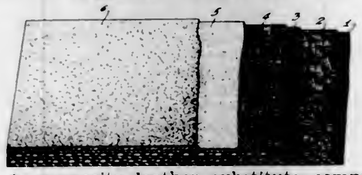
1. An oil circuit breaker for high tension circuits comprising a rotatry shaft, a contact member carried by said shaft, a pair of stationary contacts adapted to be bridged by said contact member in one position of said shaft, and another pair of oppositely disposed stationary contacts connected in parallel with said first pair of stationary contacts adapted to be bridged by said contact member in another position of said shaft, the partial rotation of said shaft opening the circuit at the first mentioned pair of stationary contacts and then promptly reclosing the circuit at the other pair of stationary contacts.

2,239,244
SYNCHRONOUS MOTOR CONTROL SYSTEM
Carl C. Nelson, Minneapolis, Minn., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn.
Application November 17, 1938, Serial No. 240,961
2 Claims. (Cl. 171—118)



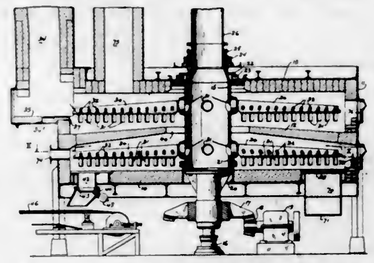
1. In combination with two synchronous motors to be operated at predetermined relative rotor angles, a starting switch for each of said motors, an interlocking device operated by each of said motors, a normally open circuit for applying field excitation to one of said motors, a second normally open circuit for applying field excitation to the other motor, a selector switch independently operable relative to said starting switches and including movable connecting means adapted to occupy either of two operative positions, said selector switch including contacts adapted to be connected together when the connecting means is in one position for closing said first named circuit and for connecting said interlocking devices in the second named circuit, said selector switch when in said position determining the sequence of applying field excitation to said motors, said selector switch having other contacts adapted to be connected together when the connecting means is in its other operative position for closing the second named circuit and for connecting said interlocking devices in the first named circuit, said selector switch when in said latter position reversing the sequence of applying field excitation to said motors, and a synchronizing device for each of said motors.

2,239,245
LEATHER SUBSTITUTE
Leo E. Oliner, New York, N. Y.
Application April 5, 1939, Serial No. 266,165
2 Claims. (Cl. 154—46)



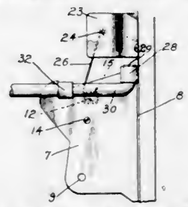
1. A composite leather substitute comprising a foundation formed of a plurality of coextensive layers of heavy woven fibrous material united by a rubber deposited from latex, a facing of flock adhesively secured to one side of said foundation and a layer of latex impregnated paper adhesively secured to the other side of the foundation to add rigidity to said composite material.

2,239,246
COOLER FOR CEMENT CLINKER
Robert D. Pike, Piedmont, and Dudley Baird, Berkeley, Calif.
Application August 15, 1938, Serial No. 224,956
7 Claims. (Cl. 263—26)



1. A clinker cooler comprising vertically spaced hearths, rabble arms rotating over said hearths, means for directing cooling air through said rabble arms onto the clinker on said hearths, a grate at the outer periphery of the lower hearth, and means for directing air upwardly through said grate and through the clinker overlying the grate.

2,239,247
COMBINED WINDOW CURTAIN BRACKET AND DRAPERY SUPPORT
Louis M. Pollina, North Collins, N. Y., assignor of one-half to Charles N. Pellegrino, North Collins, N. Y.
Application June 8, 1939, Serial No. 278,136
3 Claims. (Cl. 156—23)

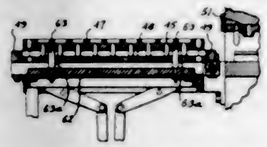


1. A device of the class described comprising spaced curtain supporting brackets each provided with a laterally extending flange terminating in a socket, and a lateral rest disposed adjacent said socket, a longitudinally adjustable rod connecting the brackets, and a drapery supporting rod seated in said rest and provided with upstanding portions fitted in the sockets.

2,239,248
PRESS ASSEMBLY
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application June 8, 1937, Serial No. 147,083
2 Claims. (Cl. 18—16)

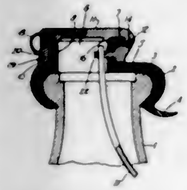
2. In combination, a stripping table, a mould member thereon comprising a frame, a base mem-

ber bearing locating pins on said frame and a cavity member vertically displaceable from said base member and having perforations to receive said locating pins, and means mounted on said



stripping table for displacing said cavity member from said base member, said means comprising a reciprocable frame, means for reciprocating said frame, and displacement means mounted on said frame.

2,239,249
CLOSURE
George W. Robinson, Torrance, Calif.
Application September 19, 1938, Serial No. 230,623
6 Claims. (Cl. 215—79)

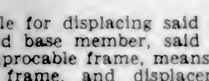


4. In a sealing closure for a container, an elastic band adapted by its resilience to engage and seal against the rim of a container opening, a pouring spout integrally formed on said band and having a resilient inner edge, said spout having an outwardly extending flange at the upper edge thereof, a collar encircling the spout below the flange, and a cover hinged to the collar.

2,239,250
MANUFACTURE OF CYCLIC KETONES
Robert Robinson, Oxford, England
No Drawing. Application April 26, 1939, Serial No. 270,230. In Great Britain May 5, 1938
16 Claims. (Cl. 260—586)

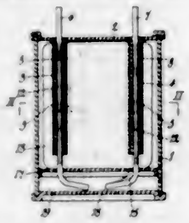
1. A process for the production of cyclic compounds which comprises heating a compound selected from the group consisting of

and



wherein R is an aromatic radical selected from the group consisting of phenyl radicals having a hydrogen atom at an ortho position, and β-polynuclear aromatic radicals having a hydrogen atom at the α position in the presence of an acid condensing agent to eliminate water between the carboxyl group and the position of the aromatic radical having the hydrogen atom whereby a closed ring is formed.

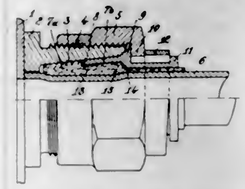
2,239,251
ELECTRIC BATTERY
Artur Rudolf, Sonneberg, Thuringia, Germany, assignor to The Rulag Battery Company Limited, London, England
Application December 3, 1938, Serial No. 243,846
In Germany December 14, 1937
1 Claim. (Cl. 136—6)



An electric lead cell comprising a liquid-tight casing including top and bottom walls; positive and negative plate electrodes enclosed within said casing and each extending substantially from the top wall to the bottom wall of said casing in substantially parallel, spaced relation; an electrolyte composition enclosed within said casing in contact with the electrodes therein; a pair of spaced elongated conductors within the casing, each having its lower end connected to one of the electrodes near the bottom thereof from which it extends upwardly through the electrolyte-occupied space of the casing and through the top wall of the casing, each conductor having its surface for a substantial part of the length thereof provided with a plurality of closely-spaced, non-intercommunicating grooves disposed transversely of the length of the conductor so as in effect to extend the lineal superficial length of the conductor from the point at which it is connected to the electrode to the point where it passes through the top wall of the casing; a pair of sleeves formed of insulating material having their upper ends secured to the top wall of the casing in spaced relation by liquid-tight joints, each sleeve extending downwardly between and in contact with the opposed faces of the positive and negative plate electrodes, through the electrolyte-occupied space in the casing and terminating adjacent the bottom wall of the casing, each of said sleeves surrounding and spaced from one of said conductors throughout the greater part of the length of said conductor; and caulking material filling the interior of each sleeve between the wall thereof and the grooved surface of the conductor, the length of said conductors and sleeves, the non-intercommunicating grooves on the surfaces of said conductors, and the said caulking material serving to seal the surfaces of the conductors against creepage of the electrolyte therealong to points outside the casing, said sleeves serving as spacing means between the positive and negative plate electrodes.

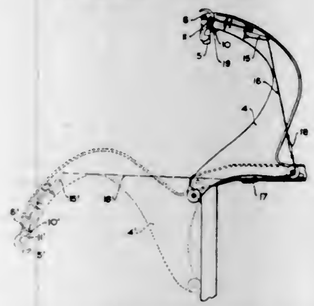
2,239,252
PIPE COUPLING
Karl Sander, Osnabruck, Germany
Application October 7, 1938, Serial No. 233,849
In Germany October 4, 1937
2 Claims. (Cl. 285—166)

1. A pipe coupling of the kind set forth comprising cooperative coupling members, and nested front and rear packing parts; the front packing part being composed of yielding fibrous material; the rear packing part forming an extension of the front part and being composed of a metal which is relatively harder than the front packing part but is capable of being deformed; said front and rear packing parts having interengaging shoulders; the outer surface of the front packing part, forwardly of the rear part, being tapered forwardly so as to be smaller at its forward end; one of said coupling members having a socket which is tapered forwardly and the inner end of which is smaller than the forward end of the front packing part and the rear end of which is larger than the forward end of said front packing part, said socket being longer than the part of the fibrous front packing part for-



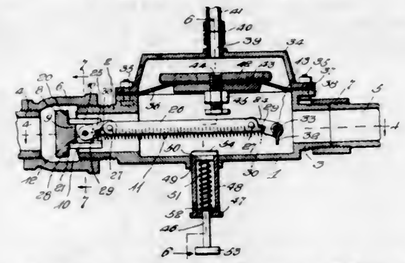
ward of the rear packing part, and being slightly larger than the forward end of the rear packing part; means on the second coupling member for engaging with the rear packing part for pressing the packing parts into the socket of the first coupling member so that the forwardly tapering portion of the front packing part engages the inner wall of the forwardly tapered socket and is pressed inwardly in sealing relation with the pipe; and the front end portion of the rear packing part, by engagement with the socket of the first coupling member, is considerably reduced in diameter and strongly presses the fibrous front packing part on the pipe in sealing relation.

2,239,253
GRAVITY DAVIT
Ane P. Schat, Utrecht, Netherlands
Application March 29, 1940, Serial No. 326,763
In Germany March 20, 1939
3 Claims. (Cl. 9—22)



1. In combination with a ship's davit of the gravity type, a casing pivoted to the davit head so as to be adapted for swinging movement athwartships relative to the davit, a double-armed lever mounted on said casing for swinging movement athwartships relative thereto and comprising a lower arm forming a suspension hook for a life boat and an upper arm having a face normally concentric with the pivot of the casing, and a draw member having its one end adapted to slidably engage said face and its other end secured to a relatively fixed point of the ship.

2,239,254
AUTOMATIC CUTOFF VALVE
Gustav C. Schoenfeld and Lowell Potter, Great Falls, Mont.
Application February 5, 1940, Serial No. 317,448
3 Claims. (Cl. 137—153)



1. A valve comprising a casing defining a chamber and having an inlet at one end and an outlet neck at its other end, the inlet neck being provided with a valve seat, a valve head shiftable longitudinally of the inlet neck into and out of seated engagement with the valve seat, a transversely extending pin carried by said valve head, an anchor rod extending transversely through said chamber intermediate the inlet and the outlet, springs extending between and secured at their ends to the pin and the rod and constituting means for urging the valve head inwardly to closed position, a link pivoted to said pin, a second link pivoted to said rod, strips extending between the links and pivoted at their ends to the links for vertical movement past a dead center during opening and closing of the valve head, abutment fingers at ends of said strips for engaging said links and limiting pivotal movement of the links and strips when shifted upwardly to move the valve head in an opening direction whereby the valve heat will be held open, pressure controlled means for automatically shifting the strips and the links to depressed position permitting closing of the valve head when pressure within the chamber is reduced below a predetermined point, and manually actuated means for restoring the strips and links to elevated position for opening the valve head and holding it in open position.

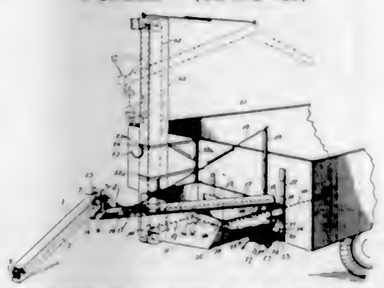
2,239,255
VENTILATING DEVICE
George Reuben Shaw, Brighton, Victoria, Australia, assignor to Chatsworth Investments Proprietary Limited, Melbourne, Victoria, Australia, a company of Victoria, Australia
Application February 17, 1938, Serial No. 191,089
In Australia February 25, 1937
7 Claims. (Cl. 156—14)



1. A ventilating device for inserting in apertures in doors, walls and other structures, comprising a tubular member formed of resilient material, a flange formed integrally with and projecting outwardly from the outer end of the tubular member, a covering of foraminous material secured to the flanged end of the tubular member, a series of longitudinal disposed fingers formed by spaced incisions extending longitudinally from the inner end of the tubular member near to the flange thereon, said fingers having outwardly bent portions forming circumferential engaging members which converge to-

wards the ends of the fingers and are adapted to grip the sides of an aperture when the device is thrust therein.

2,239,256
MOBILE CONVEYER-ELEVATOR
Andrew Oscar Siren, Radway, Alberta, Canada
Application September 10, 1940, Serial No. 356,203
In Canada March 4, 1939
2 Claims. (Cl. 214—83)



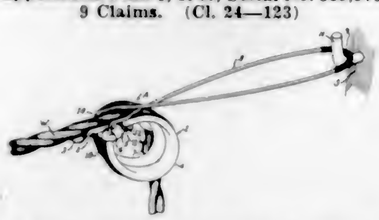
1. An elevator-conveyer of the type described for loading, transporting, and unloading grain and the like, mounted on a motor vehicle, in combination with a load receiving truck body, means driven from the truck transmission mechanism for operating this elevator-conveyer device, an auxiliary load receiving hopper bin attached to the rear of said truck body, a tilting pickup conveyer of the travelling bucket type, a cased-in shaft-supported screw conveyer supporting said tilting conveyer and receiving the discharge from said tilting conveyer and distributing same to said auxiliary bin, a pivotal mechanical means including bevel gearing and shafting to rotate said screw conveyer by communication with the motor vehicle transmission mechanism and to support said screw conveyer in a pivotal manner, means comprising brackets to bearably support said bevel gear shafting, bevel gearing means and shafting to operate said tilting conveyer from the screw conveyer shaft, a manually operable clutch means associated with the screw conveyer drive means, a conventional type vertical bucket elevator for truck loading purposes and communicating at its boot end with a gate controlled inlet opening in the wall of said auxiliary bin, a countershaft drive with bevel gearing for operating said vertical elevator from the truck transmission mechanism, and a gate-controlled exterior outlet opening from said truck body communicating with said auxiliary bin for discharging the truck body contents thereto for outside distribution by said vertical bucket elevator.

2,239,257
PISTON STABILIZER
John R. Summers, Tiffin, Ohio
Application February 28, 1938, Serial No. 193,097
1 Claim. (Cl. 309—5)



An auto cylinder and piston mounted therein having in combination, a side opening in said piston provided with lateral notches in its periphery, a cup having side lugs bearing on said notches and characterized by having a bottom provided with an outward concentric depression forming a recess inside, a coil spring having one end bearing in said recess, and a plug slidably fitting in said cup and engaged by the other end of said spring to force the plug to bear on the inner face of said cylinder and avoid side slap of the piston therein, substantially as described.

2,239,258
WIRE CONNECTOR
Oscar F. Tallman, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application June 8, 1940, Serial No. 339,578
9 Claims. (Cl. 24—123)

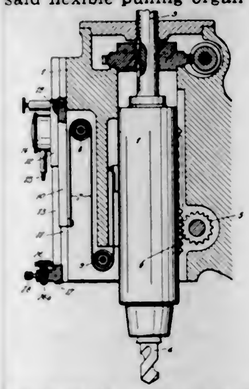


9. A wire connector comprising a wire-receiving portion of channel cross-sectional shape having a substantially straight portion disposed in longitudinal alinement with reference to the direction of extension of a wire connected by the wire connector, and provided with a spiral wire-snubbing portion wound spirally about an axis which is extended at an angle with respect to the direction of extension of said substantially straight portion, a flange formed on said wire-receiving portion at a point adjacent to said substantially straight portion thereof, said flange having apertures formed therein, and a ball having legs provide with bent portions parts of which are extended through the apertures of said flange so as to normally connect said ball to said wire-receiving portion in substantial longitudinal alinement with respect to the substantially straight portion thereof, the part of the bent portion of one of the legs of the ball being removable from the aperture of the flange through which it extends to permit the ball to be rotated about the aperture-received part of the bent portion of the other ball leg to move the ball to a displaced position for application of a wire to the wire-receiving portion of the wire connector, said legs of said ball being crossed at a point immediately above a portion of said wire-receiving portion to retain a wire in the channel of said wire-receiving portion, and means comprising a bent end portion for preventing removal of said aperture-received part of the bent portion of said other ball leg from the aperture of the flange by which it is received.

2,239,259
MACHINE TOOL
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application April 25, 1939, Serial No. 270,007
In Switzerland May 2, 1938
2 Claims. (Cl. 33—181)

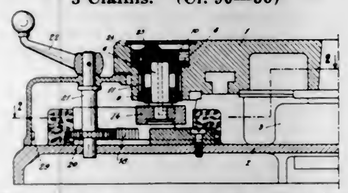
1. In a machine tool, a spindle support, an axially displaceable and rotatable tool spindle, a quill rigid with said spindle for axial displacements, a slide movable along a guideway disposed externally on the support and parallelly

to the spindle axis, a flexible, although non-extensible pulling organ connecting said slide with the quill for imparting equal feed from the sleeve upon the slide, at least one transmission device over which said flexible pulling organ is passing,



a carriage displaceable on the spindle support parallelly to the slide and adapted to be temporarily fixed to the latter, and a dial indicator disposed on said carriage to allow measuring of the feed.

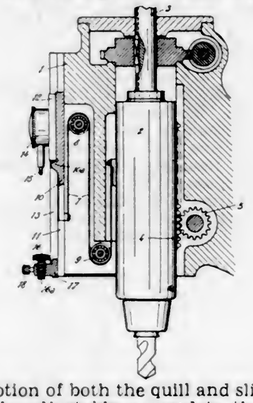
2,239,260
INDEXING DEVICE
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application February 3, 1940, Serial No. 317,208
In Switzerland February 23, 1939
5 Claims. (Cl. 90—56)



1. Device for maintaining the rotatable table of a machine tool in different predetermined positions, having in combination a frame, a table mounted for rotation on said frame, a series of pivots on said table to define the determined angular positions thereof, for each of said pivots a roller mounted to freely rotate thereon, two sliding members guided in said frame and adapted to be shifted in opposite directions over equal way lengths, and a common operating member for actuating simultaneously both said members, each of the rollers being adapted to be brought into juxtaposition to the sliding members, and said members being destined to clamp said roller between each other.

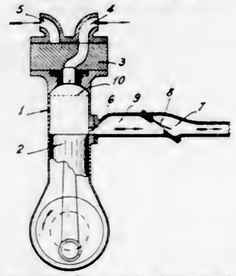
2,239,261
DRILLING, MILLING, OR LIKE MACHINE TOOL
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application March 6, 1940, Serial No. 322,609
In Switzerland July 22, 1939
1 Claim. (Cl. 33—181)

In a machine tool, a spindle support, an axially slidable quill, a tool holding spindle rotatable within said quill and bodily displaceable therewith, a slide movable along guideways disposed externally on the support and parallelly to the spindle axis, a flexible nonextensible pulling organ connecting the slide with the quill for imparting equal feed from said quill upon said slide, idlers for said pulling organ, assuring equally di-



rected motion of both the quill and slide, a gauge-block table adjustably secured to the support, a carriage displaceable on the support, parallelly to the slide, and tending to approach said table, a dial indicator carried by said carriage and adapted to cooperate with said table for measuring the axial spindle feed, and an abutment on the slide permitting the latter to entrain the said carriage in the direction of withdrawal from the table.

2,239,262
FOUR-STROKE EXPLOSION ENGINE
Marcel Achille Violet, Nanterre, France
Application October 21, 1938, Serial No. 236,308
In France October 23, 1937
4 Claims. (Cl. 60—32)



4. In a four stroke cycle internal combustion engine comprising a cylinder having a reciprocatory piston therein, a rotary distributing valve having intake and exhaust means therein, located at the upper end of the cylinder, and said cylinder having an auxiliary exhaust port located in its side wall at a point immediately above the upper face of the piston when in its lowest position, an exhaust chamber for receiving the exhaust gases passing out of said auxiliary exhaust port; means for operating the distributing valve to open the exhaust means thereof after the exhaust gases have passed out of the auxiliary exhaust port to such extent as to reduce the pressure in the cylinder to substantially atmospheric pressure, whereby the

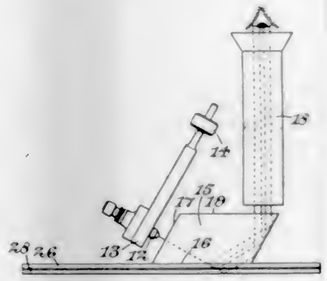
exhaust means of the distributor valve receives only expanded and cooled exhaust gases, means for creating a partial vacuum in said exhaust chamber during the exhaust stroke and major portion of the charging stroke, whereby additional stratified burned gases are sucked out of the cylinder toward the end of the charging stroke by the vacuum in the exhaust chamber and additional fresh charge is sucked into the cylinder to replace said additional burned gases.

2,239,263

EXAMINATION OF TRANSPARENT SOLID MATERIALS

Allan Coley Waine and Fazul Din, King's Norton, Birmingham, England, assignors to The Triplex Safety Glass Company Limited, London, England, a British company

Application January 10, 1939, Serial No. 250,228
In Great Britain January 24, 1938
13 Claims. (Cl. 88—14)



4. A method of examining a sheet of transparent material for homogeneity throughout its thickness, which method comprises placing in optical contact with one surface of the sheet to be examined, the base side of a prism, having end sides at acute and obtuse angles, respectively, to the said base side, directing a beam of light onto and through the side of the prism which makes an acute angle with the base side, through said base side of the prism and onto the sheet of transparent material at an angle of incidence greater than that which would produce total reflection if the prism were removed, and under conditions so selected that portions of the beam are reflected back into the prism in at least partly separated relationship from the adjacent surface of the sheet, from the opposite surface of the sheet and from any internal surface of the sheet at which a change in the refractive index occurs, the several reflected portions of the beam then being internally reflected in the prism at said side thereof making an obtuse angle with the base side so that the light leaves the prism at an angle, in relation to the sheet, greater than the angle of incidence of the light on the sheet and examining the light which emerges from the prism to determine whether it has been divided into more than two portions and therefore whether any portion of the light has been reflected from an internal surface of the sheet as aforesaid.

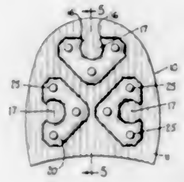
2,239,264
(WITHDRAWN)

2,239,265

SHOE HEEL AND SOLE

Joaquin de Noronha, New York, N. Y., assignor to De Noronha Rubber Products Corporation, New Brunswick, N. J., a corporation of New Jersey

Application September 17, 1938, Serial No. 230,491
7 Claims. (Cl. 36—35)



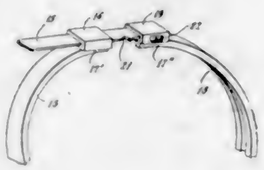
1. A tread member for an article of footwear comprising a flat member made of rubber and formed with a recess on the under side thereof, and an insert secured within said recess, said insert having an initially concave upper surface which, when said insert is secured in said recess, lies flat against the bottom of said recess, the side edges of said insert being wedged into the side walls of said recess.

2,239,266

SPECTACLE MOUNTING

Morris Epstein, Brooklyn, N. Y., assignor to Epstein, Wiener & Jacoby, New York, N. Y., a copartnership composed of Morris Epstein, Daniel Wiener, and Isidore Jacoby

Application August 28, 1939, Serial No. 292,221
3 Claims. (Cl. 88—47)



1. In a spectacle mounting, a nose piece provided with a notch near one end, a sleeve element positioned loose about and slidable along the nose piece and a split lens-rim; one end of the rim being secured to the nose piece and the other end of the rim being secured to the sleeve element; the wall of the sleeve element being adapted to be bent to lie within said notch, whereby the rim is maintained closed.

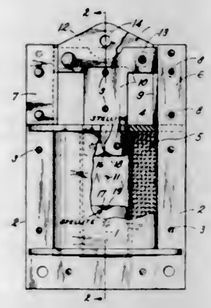
2,239,267

ELECTROMAGNET

Max L. Jeffrey, Shaker Heights, Ohio, assignor, by mesne assignments, to The M. L. Jeffrey Corporation, Cleveland, Ohio, a corporation of Ohio

Application March 13, 1939, Serial No. 261,412
1 Claim. (Cl. 175—341)

An electromagnet having a hollow core, a pole piece in one end of said core, a plunger reciprocable in the core toward the pole piece, said pole piece and plunger being fabricated of soft iron laminations, and formed to provide grooves across the laminations of considerable depth and occupying a minor proportion of each of the meeting faces of the pole piece and plunger elements, and zones of hard non-distortionable material comprising Stellite deposited in the grooves



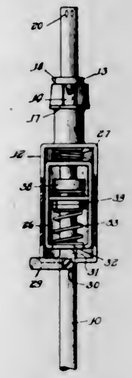
by welding therein to bond the laminations together and providing impact surfaces for the pole piece and plunger, the surfaces of said material and of the ends of the iron laminations in each of the pole piece and plunger elements being in substantially the same plane, whereby the pole piece and the plunger elements are prevented from mushrooming while retaining their maximum magnetic efficiency.

2,239,268

LIFTING JACK

Millard B. Lucker, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan

Application December 14, 1939, Serial No. 309,139
16 Claims. (Cl. 254—106)



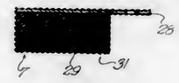
1. A lifting jack comprising a base, a load-engaging member, means for moving the load-engaging member relative to the base comprising a pair of friction clamps, one of said clamps being an actuating clamp and the other of the clamps being a holding clamp, an operating member for controlling the movements of the clamps, a spring engageable with the holding clamp, and means for maintaining the spring in constant engagement with the holding clamp during movement of the load-engaging member in one direction with respect to the base and for causing the spring to alternately engage and disengage the holding clamp as the load-engaging member is moved in the opposite direction with respect to the base.

2,239,269

REFRIGERATOR CAR HATCH CLOSURE

John S. Lundvall, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Application March 16, 1939, Serial No. 262,113
2 Claims. (Cl. 20—69)



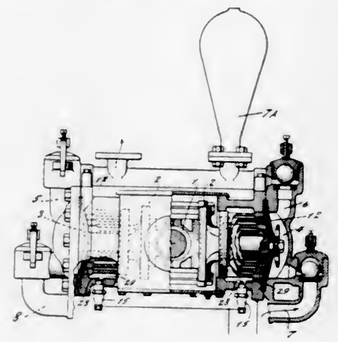
1. A weatherstrip comprising a substantially flat strip of relatively rigid material, a substantially flat strip of resilient rubber in flatwise abutting engagement with and having one of its longitudinal margins inwardly spaced from the adjacent longitudinal edge of said first named strip, and means for securing said rubber in flatwise engagement with said first named strip comprising a flexible sheathing embracing the outer surface of the abutting strips and having its margins adhesively secured to said surface; and means for securing said weatherstrip in flatwise engagement with a mounting comprising a plurality of apertures in said first named strip intermediate said edge and said rubber adapted to receive fastening members having holding engagement with said mounting whereby said first named strip will be affixed in flatwise relatively non-flexing engagement with said mounting.

2,239,270

DEVICE FOR DETECTING PUMP FAILURE

Carl A. Jahreis, Leonia, N. J., assignor to John L. Hutton, trading as T. Shriver & Company, Harrison, N. J.

Application January 31, 1940, Serial No. 316,491
4 Claims. (Cl. 103—25)



1. In combination with an electrically driven diaphragm pump and an electrical operating circuit which when closed operates the pump and when open stops operation of the pump, said pump being adapted to pump an electrically con-

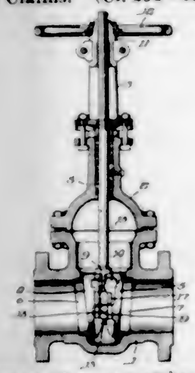
ducting liquid and having a mechanism chamber, a pump chamber, a diaphragm, and means to operate the diaphragm, said means being contained within the mechanism chamber separated from the pump chamber by the diaphragm; operating circuit closing means normally closing said operating circuit to cause operation of the pump; an auxiliary electrical circuit to open said operating circuit closing means and thereby stop operation of the pump; and electrical contact means in said auxiliary electrical circuit and located within the mechanism chamber, said contact means being responsive to the contact therewith of said electrically conducting liquid, to open said operating circuit closing means upon leakage of said pumped electrically conducting liquid from the pump chamber into said mechanism chamber.

2,239,271

VALVE

Charles A. Olson, Geneva, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application December 8, 1938, Serial No. 244,531
2 Claims. (Cl. 251—59)



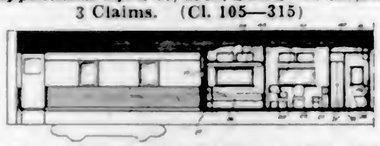
1. In a valve, a closure member of the wedge gate type, a reciprocating stem therefor having a connecting head, seats for the said closure member, vertically extending guide ribs for the said closure member within the said casing, the said closure member comprising two cooperating discs of identical shape and size, each of the said discs having a socket adapted to receive a portion of the said stem head, each of the said discs having a convexly spherical projection, the outermost convex surface of the said projection being located immediately adjacent the vertical centerline of the said discs, each of the said discs having a concavely spherical recessed portion, the innermost concave surface of the said recessed portion being located immediately adjacent the said projection on the opposite side of the vertical centerline, each of the said discs having a plurality of transversely projecting guide hooks comprising channeled members adapted to slidingly engage the said guide ribs upon a plurality of surfaces thereof, one of the said guide hooks being positioned on one side of the said disc above the horizontal centerline thereof, the other of said guide hooks being positioned on the opposite side of the said disc below the horizontal centerline thereof, whereby each of the said discs is independently guided to and from its respective seat, and whereby the respective centrally located interengaged projections and recesses allow limited universal movement between the said discs and provide substantially evenly distributed wedging action between the said discs and the said seats irrespective of the direction of line flow through the valve.

2,239,272

SLEEPING CAR CONSTRUCTION

John W. Patton, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 20, 1939, Serial No. 268,863
3 Claims. (Cl. 105—315)



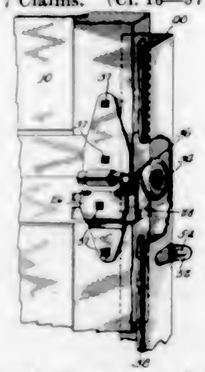
1. In a sleeping car having a side aisle, a stateroom defined by an aisle wall, an outside car wall and spaced transverse walls extending between said aisle wall and outside wall, said stateroom being of longer dimension longitudinally than transversely of the car and divided by a transverse partition into a parlor section having a doorway to the aisle, and a convertible bedroom and lounging section, said sections having an intercommunicating doorway through the partition separating them, said bedroom section being provided with at least three convertible couch beds arranged along its longitudinal walls, two along one of said longitudinal walls and arranged one above the other and the third being arranged along the opposite longitudinal wall of said bedroom section, there being standing room space between the beds arranged along the opposite walls, said parlor and bedroom sections being adjoining and having a doorway in said partition of such width of opening that the beds in said bedroom section, when extended out, project substantially beyond the sides of the doorway and so that when the beds are not extended, the parlor and bedroom sections may be thrown together, said doorway through the partition having a closure which may be drawn across the doorway, said beds and their respective sections being of substantially the same length.

2,239,273

OVERHEAD DOOR STRUCTURE

Alvin V. Rowe and William A. Norberg, Galesburg, Ill., assignors to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois

Application September 16, 1938, Serial No. 230,233
7 Claims. (Cl. 16—97)



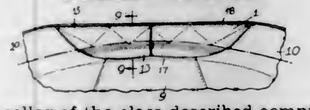
1. A combined hinge and roller support device adapted to be used in an overhead door construction, including a plurality of door panels adapted to be hingedly connected along adjacent edges, a guide track for directing said panels between a substantially vertical door closing position and a substantially horizontal overhead open position, a pair of said combined hinge and roller support devices connecting adjacent panels on opposite sides thereof and carrying rollers adapted to roll in said guide track, said combined hinge and roller support device including a pair of hingedly connected plates secured to the rear surface of adjacent panels, and a roller supporting structure carried by one of said hinge plates, said roller supporting structure comprising a section traversing one of said hinge plates and a portion extending laterally with respect to the planes of the panels to provide a roller support for positioning the axis of the roller between the planes in which the front and rear door surfaces lie when said panels occupy their normal door closing position.

2,239,274

ROBE

Leo C. Safir, South Norwalk, Conn.

Application August 22, 1939, Serial No. 291,308
4 Claims. (Cl. 2—98)



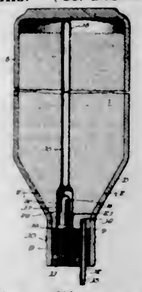
1. A collar of the class described comprising an under collar having two similar parts of outer material stitched together by a central vertical seam passing through adjacent underlapped marginal edge portions of the two parts, a lining for said under collar secured thereto by parallel rows of stitching disposed at opposite sides, respectively, of said vertical seam and passing through said lining, said underlapped marginal edge portions and the overlying portions of said two parts, and an outer collar or facing stitched to the outer edge of said under collar, said outer collar having two parts secured together by a central vertical seam passing through adjacent underlapped marginal edge portions thereof, said seams in said under and outer collars providing the collar with a central vertical stay.

2,239,275

SELF-CONTAINED LIQUID DISPENSING DEVICE

Martin C. Schwab, Chicago, Ill.

Application March 29, 1938, Serial No. 198,724
2 Claims. (Cl. 128—214)



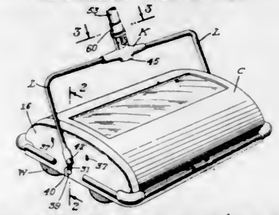
1. In combination with a container operable upon inversion and having a stopper in its neck, fluid dispensing and air washing means disposed within said container comprising a liquid outlet duct extending through said stopper, a fluid conduit depending from said stopper and having an opening at its lower end, a U tube depending from said stopper within said conduit, one leg of said U tube communicating with said conduit and adapted to receive and return excess liquid from and to said conduit, the other leg of said U tube extending through said stopper and serving as an air inlet to said conduit.

2,239,276

BRUSH ADJUSTING MECHANISM FOR CARPET SWEEPERS

Earle R. Smith, Alhambra, Calif., assignor to Deborah P. Holmes, Alhambra, Calif.

Application August 4, 1937, Serial No. 157,297
14 Claims. (Cl. 15—41)



1. In a carpet sweeper; a casing; a brush in the casing having pulleys and journals thereon; hangers mounted for vertical movement on the casing; brackets pivoted on the hangers to occupy either of two extreme positions; elongated bearings on the brackets receiving the journals, said bearings occupying a horizontal position when the brackets are in one extreme position and vertical position when the brackets are in the other extreme position; means for urging the hangers downwardly to cause the brush to occupy a low position of adjustment; and means to secure a high position of adjustment of the brush.

2,239,277

TREATMENT OF MOLTEN ALUMINUM AND ITS ALLOYS

Philip T. Stroup, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application August 2, 1939, Serial No. 288,031
5 Claims. (Cl. 75—68)

1. The method of purifying molten aluminum containing at least one of the impurities antimony, bismuth, lead, and tin, comprising adding sodium to the melt, allowing the sodium to react with the impurities to form a dross, and finally removing the dross from the melt.

2,239,278

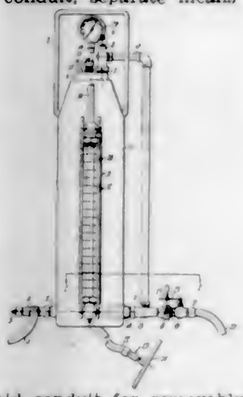
METERING DEVICE FOR COMPRESSED SO_2

James A. Thomas, Berkeley, Calif., assignor to Esotoo Fumigation Co. Ltd., San Francisco, Calif., a corporation of California

Application August 27, 1938, Serial No. 227,159
2 Claims. (Cl. 299—84)

1. A relatively small, manually carryable and movable device for use in dispensing an aqueous solution of SO_2 into wine and the like, comprising a tank for liquid SO_2 provided with a valved inlet and a valved outlet at the lower end thereof for filling said tank with liquid SO_2 from said lower end and for withdrawing said liquid SO_2 directly from said lower end, an open-ended con-

duit for water, a passageway extending from a point intermediate the ends of said conduit to said valved outlet for conducting liquid SO_2 from the latter to within said conduit at said point, means on said tank arranged and adapted to visibly indicate in terms of predetermined quantities the amount of liquid SO_2 withdrawn from said tank through said valved outlet for passage into said conduit, separate means at opposite



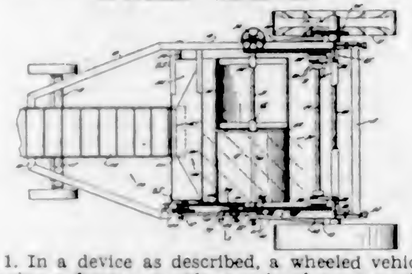
ends of said conduit for removably connecting said ends with a supply of ordinary water under pressure and with a discharge nozzle, respectively, valve means in said conduit for controlling the flow of water therethrough, a gas conduit connecting between said passageway and the upper end of said tank for passing gas from above liquid SO_2 in said tank into said passageway, and a valve in said gas conduit for controlling the passage of gas therethrough whereby the gas may be passed to the water in the water conduit as desired.

2,239,279
PNEUMATIC RAZOR
Guglielmo R. Tremolada, Los Angeles, Calif.
Application August 18, 1939, Serial No. 290,833
5 Claims. (Cl. 30—43)



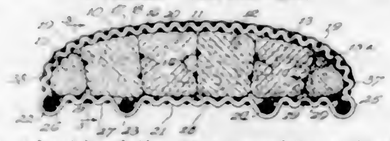
1. In a razor, the combination of: a cylindrical shell having an opening in the side wall thereof; a cylindrical body movable in said shell, said body having a depression in a side thereof with walls at the ends of said depression forming bearing recesses; means for delivering a fluid under pressure to reciprocate said body; a razor blade having trunnions seated in said bearing recesses and a cutter portion extending out through said opening of said shell, said cutter portion having a cutting edge; and a wall outside said opening forming a guard for the cutting edge of said blade.

2,239,280
MACHINE FOR PICKING UP ROCKS FROM A HIGHWAY
Michael J. Woznack, Escondido, Calif.
Application July 31, 1939, Serial No. 287,475
10 Claims. (Cl. 55—17)



1. In a device as described, a wheeled vehicle having a frame, an axle, a pair of screws swivelly mounted on opposite sides of the frame and each having a connection to the axle to raise and lower such axle, a pair of drums rotatably mounted on the axle, each drum having a series of rock picking teeth arranged circumferentially and longitudinally thereof, a countershaft journalled in the frame and transverse thereof, a radius rod on each side of the frame having end connections aligning with the axis of the countershaft and of the axle, a sprocket chain drive between the countershaft and each drum on each side of the frame each with a clutch and means to rotate the countershaft, the drive rotating the drum whereby the teeth in proximity to the ground move in a forward direction at a higher speed than the forward movement of the vehicle.

2,239,281
HEAT INSULATING TAPE
William F. Astley, Cicero, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application October 19, 1939, Serial No. 300,104
5 Claims. (Cl. 139—420)

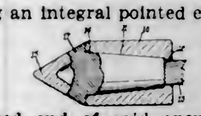


1. A heat insulating tape comprising a plurality of large, loose, soft rovings located side by side to form a filler, and a sheath woven about said rovings, said sheath being of substantially tubular form, said sheath including warp and weft strands and having an outer and inner wall, and the warp strands of the outer wall of the sheath being of greater length than those of the inner wall for the purpose of providing a sheath having an outer wall of sufficient length to wrap about a pipe without compressing the filler.

2,239,282
FERRULE
Thomas Brewer, Kelso, Wash.
Application February 13, 1940, Serial No. 318,722
3 Claims. (Cl. 24—123)

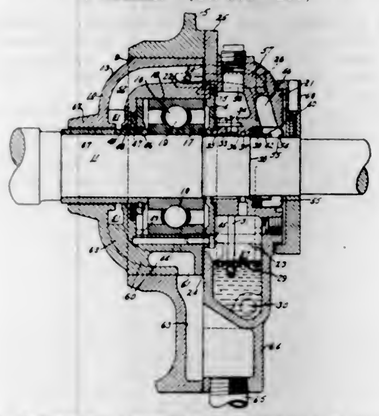
2. A ferrule of the class described having a tapering opening formed along the axis thereof

and having an integral pointed end disposed over



the enlarged end of said opening adapted to facilitate the passage of said ferrule around a log.

2,239,283
OIL-RING-LUBRICATED ANTIFRICTION BEARING
John L. Brown, Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 26, 1938, Serial No. 242,530
5 Claims. (Cl. 308—187)



1. A bearing-assembly comprising a stationary bracket having a bearing-centering hole therein, a cartridge-type bearing-housing seated and removably secured within said hole in the bracket, an antifriction bearing within said bearing-housing, a substantially horizontal shaft rotatably supported within said antifriction bearing, an outer bearing-cap removably secured on the outside of said bracket and in substantially oil-tight relation to the outside end of said bearing-housing, said outer bearing-cap including, in its bottom portion, an oil-reservoir extending beyond the confines of the bearing-centering hole in the bracket for providing an oil-storage space having a wide oil-level portion wider than the bottom portion of said bearing-centering hole, said oil-reservoir remaining intact when the outer bearing-cap is removed, and an oil ring carried by the shaft within said outer bearing-cap for raising oil from the oil-reservoir to the shaft.

2,239,284
TREATMENT OF PHOTOGRAPHIC FILMS AND PLATES
Fritz Draisbach, Ludwigshafen-on-the-Rhine, Germany, assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 4, 1938, Serial No. 183,287. In Germany December 28, 1934
18 Claims. (Cl. 95—7)

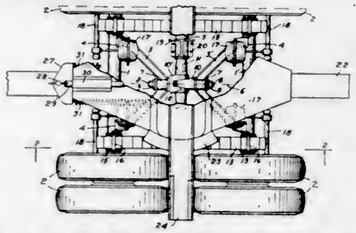
1. A photographic film having a sensitized coating containing an alkali-metal salt of a phosphoric acid which is molecularly dehydrated to a greater extent than pyrophosphoric acid.

4. The method of preventing precipitation of insoluble salts of alkaline earth metals in photographic gelatino-silver halide emulsions which comprises adding to the emulsion an alkali metal salt of hexametaphosphoric acid.

2,239,285
METHOD FOR PURIFYING LACTOFLAVIN
George E. Flanigan and George C. Supplee, Bainbridge, N. Y.
No Drawing. Application March 2, 1938, Serial No. 193,518
11 Claims. (Cl. 167—81)

1. In the preparation of crystalline lactoflavin, the steps of concentrating an acetone-water solution of lactoflavin and extraneous matter, separating extraneous matter therefrom by alcohol precipitation and ether extraction, treating an aqueous solution of the lactoflavin with acetone to precipitate extraneous matter, removing the acetone precipitated materials and concentrating the acetone-water mixture containing lactoflavin to lower the proportion of acetone therein to a degree which permits crystallization of the lactoflavin while maintaining extraneous materials in solution.

2,239,286
DUAL AXLE TRUCK TRAILER
Knud J. W. Freitag, Oakland, Calif., assignor to F. A. B. Manufacturing Co., Oakland, Calif., a corporation of Nevada
Application March 27, 1939, Serial No. 264,368
7 Claims. (Cl. 280—124)

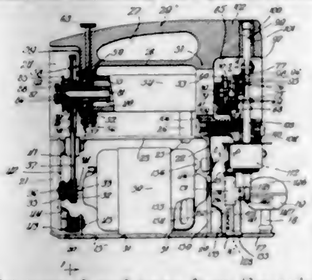


1. In a truck trailer of the character described, a pair of horizontally spaced axles carrying road wheels at their four ends, a spring supporting shaft arranged parallel to and intermediate said axles, leaf-type road springs carried at the ends of said shaft and freely supported at their outer ends by said axles, articulated means positively spacing said axles from said shaft in planes respectively parallel thereto at all times, said articulated means formed and adapted to permit independent rotary movement of said axles respectively on arcs struck from the center of said shaft, and also independent rotary movement about an axis extending at right angles only to said shaft and means positively holding said axles against longitudinal shifting.

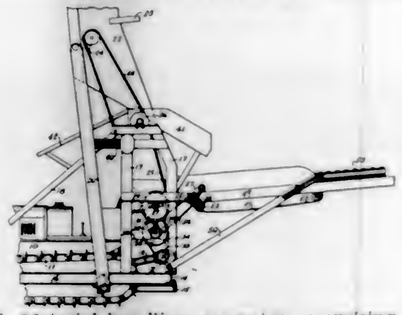
2,239,287
CUTTING MACHINE
William P. Gallagher, Chicago, Ill., assignor to International Register Company, Chicago, Ill., a corporation of Illinois
Application August 17, 1940, Serial No. 353,093
15 Claims. (Cl. 30—273)

1. In a cutting machine of the character described, a drive shaft, a reciprocating plunger, a crank pin carried by said shaft having operating connection to said plunger, a counter-

weight carried by said shaft opposed to said pin, and means for adjusting said pin and said counterweight toward and away from the axis of said shaft.

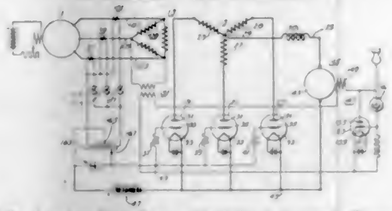


2,239,288
MATERIAL HANDLING APPARATUS
Fay Garner, Longmont, Colo.
Application August 15, 1938, Serial No. 224,976
9 Claims. (Cl. 214—91)



1. Material-handling apparatus comprising, in operative combination, a powered tractor unit, a rigid independent frame removably associated with and for unitary selective attachment to and separation from said tractor unit, a scoop member hinged to said frame assembly in leading relation with said tractor unit for actuation between horizontal and vertical positions, a grading conveyer assembly carried by said frame assembly in trailing relation with said tractor unit, and selectively-engageable actuating connections between the power unit of said tractor and said scoop and conveyer assembly.

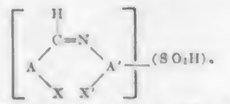
2,239,289
DISCHARGE APPARATUS
William M. Goodhue, Boston, Mass., and Roy B. Power, Jr., Manhattan, Kans.
Application June 16, 1937, Serial No. 148,616
26 Claims. (Cl. 172—239)



16. Apparatus for supplying power from a source of electrical energy to an electro-dynamic machine having an armature and independent excitation means comprising an electric discharge path having a control electrode and a plurality of principal electrodes and a gaseous medium, interposed between said armature and said source, said armature being supplied through said discharge path, means for impressing a potential of magnitude sufficiently large to mask random fluctuations in the critical control potential of said discharge path between said control electrode and one of said principal electrodes and means for superimposing on said first-named potential a potential dependent on the magnitude of the current flow through said armature.

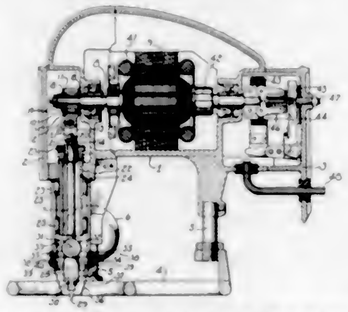
2,239,290
AZOMETHINE DYESTUFFS CONTAINING A HEAVY METAL
Hans Krzikalla and Helmut Pfitzner, Ludwigshafen - on - the - Rhine, and Karl Schmidt, Cologne - Muhlheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application April 7, 1938, Serial No. 200,674. In Germany April 16, 1937
6 Claims. (Cl. 260—438)

1. A complex heavy metal compound of an azomethine compound of the following general formula



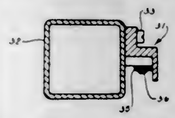
wherein A and A' stand for arylene radicals, X and X' for radicals capable of forming complexes with heavy metals, selected from the class consisting of —OH, O—alkyl, —SH, —S—alkyl, —NH_2, —NH—, —COOH and —O—CH_2.COOH—, X and X' standing in ortho-positions to the azomethine bridge, and n for a whole number up to 3, the heavy metal being selected from the heavy metals having an atomic weight of from 52 to 66.

2,239,291
SCROLL CUTTING MACHINE
Wendell L. Martin, Cleveland, Ohio, assignor, by mesne assignments, to International Register Company, Chicago, Ill., a corporation of Illinois
Application December 5, 1938, Serial No. 244,121
8 Claims. (Cl. 30—273)



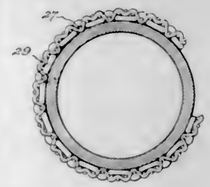
1. A cutting machine having a base adapted to slide over the material being cut, a swiveling tool holder and tool therein extending at an angle to said base and the material being cut, a tubular mounting for said tool holder partially enclosing the holder and adapted for manually turning the tool on a longitudinal axis common to both said tubular mounting and tool holder, power means for reciprocating the tool holder in said mounting and means for varying the angularity of the tool holder and tool during the reciprocation of said holder and tool.

2,239,292
FUEL REGULATOR FOR MOTOR TEMPERATURE CONDITIONS
Lester H. Messinger, Jr., Trumbull, Conn., assignor to Messinger Devices, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application February 8, 1938, Serial No. 189,379
10 Claims. (Cl. 123—119)



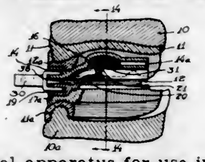
1. In a carburetor including a float chamber, a mixing chamber, a passage admitting air to the mixing chamber, a passage connecting the upper portion of the float chamber with said air admitting passage anterior to said mixing chamber, a port entering the upper portion of the float chamber and of greater capacity than said second passage, a tube connected at one end with said port and having its other end located adjacent an exhaust gas heated engine portion, a valve operable to close the said other end of said tube, thermal means operable on being heated to move said valve to closed position, and means mounting said thermal means on said exhaust gas heated engine portion.

2,239,293
INSULATING TAPE
Carl Mosier and John L. Mohun, Jr., Chicago, Ill., assignors to Union Asbestos & Rubber Company, a corporation of Illinois
Application April 4, 1938, Serial No. 199,753
2 Claims. (Cl. 139—420)



1. In an insulating tape, a woven fabric member consisting of warp threads and weft threads which comprise asbestos fibers, certain of said warp threads being in the form of relatively large cords located at regularly spaced intervals on one side of said fabric, and certain of said weft threads at predetermined intervals passing over said large cords and securing them to the body of the fabric whereby that side of the insulation is provided with a plurality of separated air spaces, said predetermined weft threads being drawn more tightly than the warp threads which they engage, whereby said latter warp threads are drawn outward flush with the outer surface of said large cords to form transversely extending ridges on that side of the fabric.

2,239,294
DENTAL APPARATUS
Nathan Opotow, New York, N. Y.
Application January 15, 1938, Serial No. 185,081
7 Claims. (Cl. 32—19)



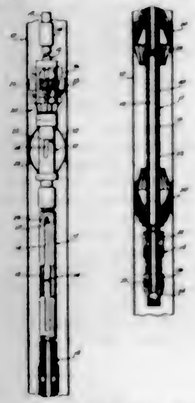
1. A dental apparatus for use in making dentures comprising upper and lower plates, resilient means on one of said plates, means on the other of said plates to anchor said other plate in respect to said first-named plate by engaging said resilient means when the plates are caused to approach each other and means to record the relative position of said plates to each other when said other plate is thus anchored, said recording means comprising an uneven surface on said plates adapted to form corresponding surface marks on a plastic substance to be interposed between said plates before said other plate is anchored.

2,239,295
CEMENTING TOOL
Slayden R. Robinson, Whittier, and William J. Travers, Jr., Bakersfield, Calif., assignors to Halliburton Oil Well Cementing Company, a corporation of Delaware
Application February 17, 1940, Serial No. 319,546
12 Claims. (Cl. 166—1)



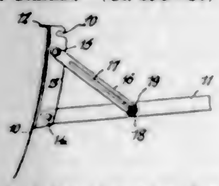
1. In a tool of the type described, the combination of: a tubular outer assembly; a pair of spaced packing members carried by said outer assembly adapted to engage a well casing; said outer assembly being provided with an upper, an intermediate and a lower opening in its walls, said openings being respectively positioned above, intermediate, and below said packers; means adapted for engagement with the well casing for releasably suspending said outer assembly; and an inner tubular member slidably receivable in said outer assembly, said tubular member being provided with three ports adapted to respectively communicate with the openings in said outer assembly when said inner tubular member is in one position, to communicate with only said upper and intermediate openings when said tubular member is in a second position, and to communicate with only said intermediate opening when said tubular member is in a third position.

2,239,296
CEMENTING TOOL
Slayden R. Robinson, Whittier, Calif., assignor to Halliburton Oil Well Cementing Company, a corporation of Delaware
Application February 17, 1940, Serial No. 319,547
10 Claims. (Cl. 166—1)



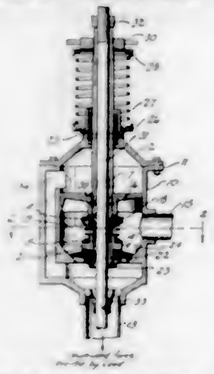
1. In a cementing tool, an outer tubing; an inner tubular member slidably mounted in said tubing; spaced inner packing means in said tubing engaging said inner tubular member at two spaced points, said tubing and inner tubular member cooperating to provide fluid passage space between said members interrupted by said packing means; said tubing having an opening in its wall above the upper packing means and another opening intermediate the spaced packing means; a pair of spaced outer packer members mounted on said tubing on opposite sides of the lowermost opening in the wall of said tubing; said inner tubular member having an upper, an intermediate, and a lower port; barrier means in said inner tubular member between the intermediate and lower ports preventing flow of fluid through said member from end to end; said inner tubular member being positionable in said outer tubing to locate said upper port above the upper of said packing means and to locate the other two ports between said inner packing means.

2,239,297
SNOW SHOVEL
Samuel E. Allen, Dansville, and Charles L. Kerr, Pike, N. Y.
Application October 24, 1939, Serial No. 300,980
2 Claims. (Cl. 294—51)



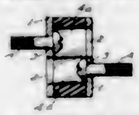
1. A shovel of the character described, comprising a blade having a channel-like frame piece at the upper rear side thereof containing upper and lower pivot elements between the top and bottom edges of said blade, a handle disposed within the channel of the frame piece and connected to said lower pivot element for effecting a relative adjustment of the blade and the handle, an adjustable brace connected at one end to the upper pivot and having a longitudinal slot in its remaining portion, and a clamping screw applied to said handle and having its shank engaging said brace-slot, said frame piece having a notch therein above the upper pivot element for receiving the clamping screw when adjusting the handle to a position substantially parallel to the shovel-blade.

2,239,298
FLUID MOTOR
Max Kraut, San Francisco, Calif.
Application July 14, 1939, Serial No. 284,513
3 Claims. (Cl. 121—164)



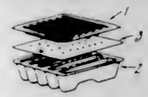
1. A reciprocating fluid motor comprising: walls forming a chamber provided with an inlet and an outlet for fluid, one of the walls of said chamber being movable; a reciprocable member moved by said movable wall; a valve structure including a valve element adapted to normally close said outlet; means associated with said reciprocable member and adapted, at a certain stage in the travel of said movable wall away from said valve element, to positively engage said valve structure to move said valve element and open said outlet; and a tension spring within said chamber having one end connected to move with said reciprocable member and the other end connected to said valve structure, whereby said valve element is pulled toward said movable wall at the moment of opening said outlet.

2,239,299
JOINT
Hugh C. Lord, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application April 7, 1939, Serial No. 266,481
1 Claim. (Cl. 287—85)



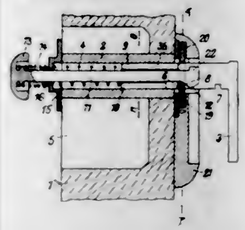
A joint assembly having opposing plates, each plate having a securing opening and an access opening, the access opening being opposite the securing opening of the opposing plate; means bridging the space between the plates of resilient material such as rubber secured to the opposing faces of the plates and provided with access openings registering with the access openings of the plates and giving access to securing means in the securing openings, said securing openings being positioned closely adjacent to each other and off-set from the centers of the plates a distance less than the off-setting of the securing openings from the edges of the plates.

2,239,300
PNEUMATIC CUSHION
John Edward O'Dell and Claude Dodds Mason, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 27, 1939, Serial No. 276,034
8 Claims. (Cl. 155—179)



8. A pneumatic cushion comprising upper and lower shaped walls of air impervious material and an intermediate reenforcing diaphragm secured together along their respective marginal edges for forming an inflatable structure, said walls each having a plurality of spaced, substantially parallel outwardly projecting channels formed therein, the channels of one wall being disposed in angular relation to the channels of the other wall, intermediate portions of the upper and lower walls between said spaced channels being firmly secured to opposite sides of said reenforcing diaphragm and normally extending outwardly at relatively steep angles from their points of attachment with the diaphragm so as to define between said diaphragm and each channel an outwardly projecting air chamber of substantial height, the normal uninflated shape of said walls and said diaphragm being substantially the same as the inflated shape thereof, and means for inflating said pneumatic cushion.

2,239,301
DOOR LOCK PARTICULARLY FOR AUTOMOBILES
Max Papst, Paris, France
Application June 27, 1935, Serial No. 28,691
In Germany December 16, 1932
19 Claims. (Cl. 292—1)



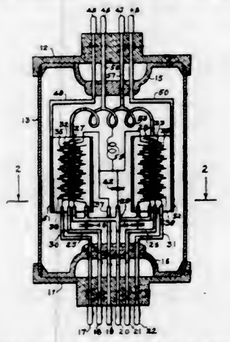
1. A spindle for door locks of motor cars and the like comprising inner and outer telescopic members non-rotatively connected together, one of said members adapted to operatively engage the lock to open it, the other having an operating handle, means for extending said members, and means for holding said members in telescoped position, and means extending through the lock engaging member to release the members from telescoped position.

2,239,302
MOUNTING OR SETTING OF GEMS, PRECIOUS STONES, OR THE LIKE
Sydney Herbert Pritchard, Shenfield, England, assignor to Baker & Company, Inc., a corporation of New Jersey
Application November 22, 1939, Serial No. 305,582
In Great Britain March 9, 1939
4 Claims. (Cl. 63—27)



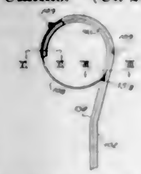
4. A setting for a faceted gem having a girdle and a pavilion, comprising a cage having upwardly projecting prongs at least some of which serve to hold the gem and have free upper ends disposed in approximately a common plane, a centrally apertured plate within said cage with its general plane below said common plane of the upper ends of said prongs to serve as a seat for loosely holding the gem at its pavilion intermediate the length thereof in close proximity to the girdle of the gem and having an upwardly reflecting surface to extend outwardly beyond and beneath and in closely spaced relation to the girdle of the gem, whereby to create an illusion that said gem is larger than actually it is.

2,239,303
SPACE DISCHARGE DEVICE
Ellison S. Purington, Gloucester, Mass., assignor to John Hays Hammond, Jr., Gloucester, Mass.
Application July 6, 1939, Serial No. 283,019
4 Claims. (Cl. 250—27.5)



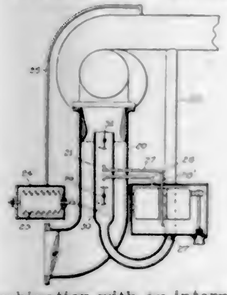
1. A space discharge device adapted for high frequency operation comprising an envelope having a base member at each end, a plurality of sets of electrodes disposed within the envelope, each set comprising at least a cathode, grid and anode, an inductance coil within the envelope interconnecting corresponding electrodes of said sets and forming with the interelectrode capacities an oscillatory circuit resonant approximately to the operating frequency, terminal pins carried by each base member, connections from certain of the terminal pins of one base member to certain of the electrodes whereby energizing current and potentials may be supplied thereto, a connection from another terminal pin of said base member to the mid-tap on the inductance coil, said last mentioned connection including a second coil, and connections within the envelope to the terminal pins of the other base member whereby the operating frequency may be supplied to an external utilization circuit.

2,239,304
SUPPORTING DEVICE
Herbert L. Stell, Cleveland, Ohio
Application July 6, 1938, Serial No. 217,704
3 Claims. (Cl. 24—238)



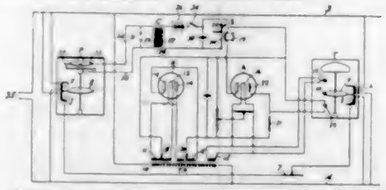
3. A sheet metal hook formed of a unitary piece of material comprising an arcuate hooked portion and a depending shank, the hooked portion and shank being of the same cross section and including an inwardly radially extending central flange, outwardly axially extending flanges in substantial alignment, said axially extending flanges terminating in radial parallel flanges formed at their outer periphery into inwardly extending axial flanges, a sheet metal arcuate guard slidable in the space defined by said flanges, the end of the guard being formed to embrace the central inwardly extending flange, and an abutment carried by the hook contacting said end of the guard when in extended position.

2,239,305
CARBURETOR
Guido Tacconi, Firenze, Italy
Application June 29, 1939, Serial No. 281,785
In Italy July 1, 1938
7 Claims. (Cl. 261—30)



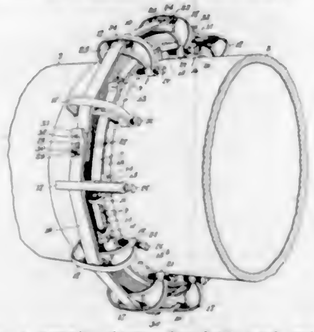
1. In combination with an internal combustion engine, including a compressor, an air conduit connected to the input side of said compressor, and an output pipe connected to the output side of said compressor, and valve means controlling the air supply to said conduit, a carburetor comprising tubular means disposed in said conduit between said valve means and said compressor, a connecting pipe connected to the output side of said compressor, said tubular means having one end opening towards the input side of said compressor, the other end of said tubular means being connected to said connecting pipe, whereby a part of the fluid discharged by said compressor is fed through said connecting pipe and said tubular means, a fuel tank, means producing a constant fuel level in said tank, a first tube connected at one end to said tank, the other end thereof extending into said tubular means and facing in a direction away from the input side of said compressor to form a Pitot tube, and a second tube, one end thereof extending into the fuel in said tank and the other end thereof extending into said tubular means in a direction towards the input side of said compressor; flow control means disposed in said tubular means, pressure responsive means connected to the output side of said compressor, and means interconnecting said pressure responsive means with said flow control means, whereby control of the fuel-air mixture is rendered independent of variations in atmospheric pressure.

2,239,306
PRECISION-CALIBRATING DEVICE WITH VISUAL INDICATOR
Walter C. Wagner, Ardmore, and Frederick Strattner, Upper Darby, Pa.
Application May 2, 1939, Serial No. 271,360
10 Claims. (Cl. 175—183)



1. Means for testing an electric watthour meter by comparing it with a standard meter, comprising, an electric watthour meter to be tested, a source of light mounted adjacent said meter, a light-sensitive element mounted adjacent said meter and arranged to receive light from said source subject to the influence of a rotating part of said meter, a standard watthour meter having a rotating element, a pointer mounted on said rotating element of said standard meter, an element mounted in said standard meter and past which said pointer travels, and an electric circuit including said light-sensitive element and said pointer and said element and containing an electric device adapted to cause a spark to pass between said pointer and said element in synchronism with the variations of said light-sensitive element caused by the rotation of the meter to be tested.

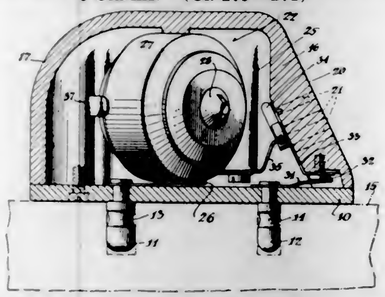
2,239,307
REPAIR CLAMP FOR BELL AND SPIGOT JOINTS
Clifford P. Weber, Bradford, Pa., assignor to Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania
Application May 9, 1939, Serial No. 272,599
13 Claims. (Cl. 285—164)



1. In a repair clamp for bell and spigot pipe joints, the combination with a gasket and follower, of a clamping device comprising a tension ring

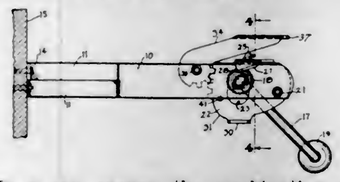
of greater diameter than the greatest exterior diameter of the bell, and a plurality of separate clamps operatively connected therewith, each provided at one end with an anchoring projection for engaging the scarf of the bell, and adjacent to the other end with a compression screw for engaging the follower.

2,239,308
MICROPHONE AMPLIFIER
William A. Zarth, Jamaica, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application April 1, 1940, Serial No. 327,141
6 Claims. (Cl. 179—171)



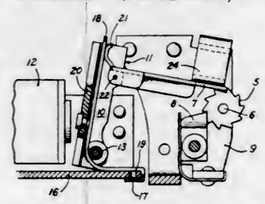
1. In a microphonic amplifier, the combination of a microphone button having substantially flat parallel conducting plates and interposed granular conducting material, means for supporting said microphone button on an end of a thin battery having wide side walls with said plates extending longitudinally of said battery and inclined transversely of said battery at an acute angle to the side walls of said battery.

2,239,309
CAN OPENER
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application October 19, 1938, Serial No. 235,885
5 Claims. (Cl. 30—8)



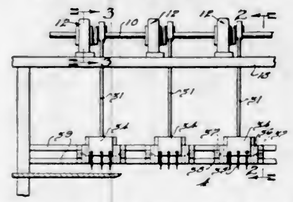
1. In a can opener, the combination with a frame having an end thereof adapted for attachment to a fixed support so as to dispose its opposite or free end in forwardly projecting relation to said first end, a plate pivoted to said frame adjacent the projecting end thereof and extending rearwardly therefrom, said plate having portions extending beyond the upper limits of said frame including a flange projecting laterally from the plate and spanning the edge of the frame, and a portion extending beyond the lower limits of said frame including a flange projecting laterally from the plate and spanning the lower edge of said frame, a traction wheel mounted on said frame, a shear blade on said flange projecting over the upper limits of said frame occupying a plane adjacent the plane of the outer face of said traction wheel, means for moving said plate and blade rearwardly and downwardly to position said blade in overlapping relation to said traction wheel including an arm pivoted to said frame and coacting with a rearward edge of said plate.

2,239,310
STEP-BY-STEP MECHANISM
Joseph W. Allen, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 19, 1940, Serial No. 324,851
8 Claims. (Cl. 74—142)



1. The combination, with a rock-shaft, of an electromagnet having an armature pivotally mounted thereon, a ratchet actuator pivotally mounted on said armature, at a point on said armature that is remote from said rock-shaft, and resilient means flexed about said rock-shaft to urge said ratchet actuator into ratchet engaging position, and to yieldably oppose movement of said armature upon passage of current through said electromagnet.

2,239,311
SEWING HEAD
Clarence W. Avery, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 14, 1937, Serial No. 169,005
6 Claims. (Cl. 112—221)

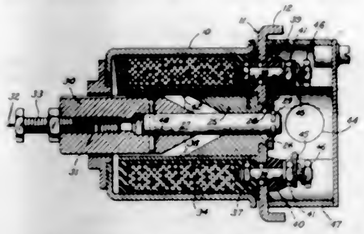


1. A sewing machine having a drive shaft, a gear on said shaft, a bearing on said shaft on each side of said gear, a casing enclosing said gear and supporting said bearing and shaft, a second shaft journaled within said casing disposed in parallel relation to said first shaft, a gear on said second shaft meshed with said first gear, a pitman, a crank on said second shaft for driving said pitman, and a lubricant in said casing about said gears.

2,239,312
ELECTROMAGNETIC APPARATUS
Donald M. Berges, Montclair, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 24, 1938, Serial No. 231,587
3 Claims. (Cl. 175—341)

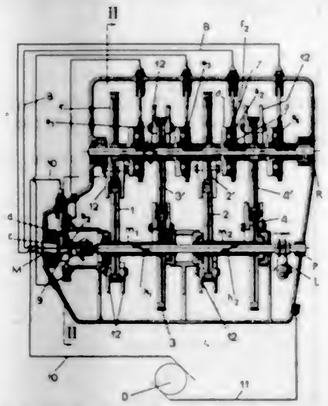
1. The combination with a solenoid spool and a magnetic pole-piece secured thereto, of a sec-

ond pole-piece slidable along the axis of the first-named pole-piece and spool, said second pole-piece having a flat exterior surface extending longitudinally thereof, and means comprising a flat-sided resilient strip engageable with said flat exterior surface, and interposed be-



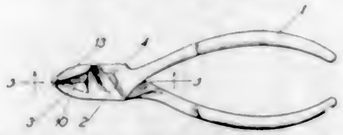
tween said spool and slidable pole-piece and operable in any attitude from the horizontal to the vertical to yieldably hold the latter against transverse and turning movements during periods of solenoid deenergization.

2,239,313
POSITIVELY AND PROGRESSIVELY ACTING SPEED VARYING DEVICE
Leon Beschkine, Paris, France
Application August 29, 1939, Serial No. 292,508
In France September 9, 1938
4 Claims. (Cl. 74—125.5)



1. In a variable speed device with progressive action at least one driving non-circular gear secured to a driving shaft, a driven shaft in alignment with said driving shaft, non-circular driven gears mounted upon said driven shaft and entrained by said driving gear, auxiliary shafts located in planes parallel to said driving shaft, an intermediate non-circular gear mounted upon one of said auxiliary shafts and constantly in mesh with said driving gear, an intermediate non-circular gear mounted upon one of said auxiliary shafts and constantly in mesh with said driven gear, the intermediate gears mounted upon an auxiliary shaft forming between them an angle whose variation secures a change of speed of the driven shaft, means controlling the variation of said angle, means for clutching the driven gears successively with the shaft carrying them in such manner as to permit them to enter into action successively at predetermined intervals, the conducting arcs of said driving and driven gears being formed by spiral arcs defined by an invariable product of their vector radius by their polar angle whereby there is obtained along the entire arc of engagement of a predetermined length an absolutely constant relationship between the angular speeds of the driving and driven gears for any angle between the intermediate gears, the said relationship varying with variations of said angle.

2,239,314
COBBLER'S TOOL
John C. Connors, Binghamton, N. Y.
Application January 3, 1939, Serial No. 249,014
1 Claim. (Cl. 30—175)



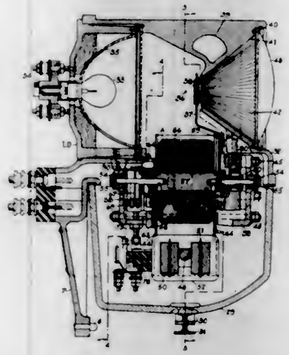
A cutting tool of the character described comprising a pair of pivoted jaw members adapted to engage along a meeting line formed by the inner edges of said members, the relatively outer sides of the members being inclined inwardly to provide a tool point, said inner edges being inclined from the horizontal whereby said meeting line is pitched to intersect the plane of the top surfaces of said members substantially at the tool point, said inner edges providing oppositely disposed cutting edges, and the inner sides of said members being each inclined outwardly of the cutting edges and rearwardly of the tool point to provide, when the jaws are closed, a pyramidal-shaped recess, one corner edge of which is formed by said meeting line and the apex of which is spaced a small distance rearwardly of said tool point, the inner edges of the jaw members forwardly of said recess being provided with complemental notches extending downwardly through the cutting edges and adapted when in registry to form an inwardly tapered nail- or peg-shank receiving opening, said opening being generally vertically arranged and intersecting the apex of the pyramidal-shaped recess thus to extend through a portion of the jaws intermediate the tool point and recess proper.

2,239,315
EXTENSIBLE CENTERING AND LIKE SUPPORT
William de Vigier, London, England
Application October 14, 1938, Serial No. 235,085
In Great Britain October 15, 1937
1 Claim. (Cl. 189—37)



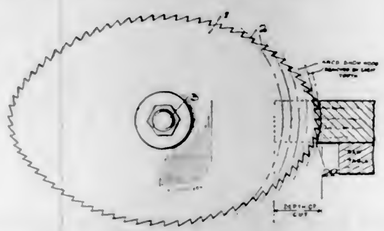
An extensible centering or like support embodying trough sections the margins of the side walls of which are curled to enable one section to slide along the other, lengths of circular metal bars secured in the curled margins of the side walls of the inner trough section and flat strips welded to said metal bars to prevent collapse of the inner trough section.

2,239,316
ELECTROMAGNETIC OPERATOR FOR LIGHT SIGNALS
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application July 23, 1930, Serial No. 470,056. Divided and this application August 4, 1937, Serial No. 157,334
2 Claims. (Cl. 175—339)



2. An electro-responsive device comprising, a field structure consisting of permanently magnetized bars having their like poles connected by magnetizable backstraps, a first and a second pair of pole pieces attached to said backstraps in such manner that the two pole pieces of each pair are of opposite polarity, the pole pieces of each pair being formed with pole faces which are located in substantially the same vertical plane, a rotor including two armatures interconnected by a magnetizable core, each armature being separated from the pole pieces of an associated pair of pole pieces by substantially vertical air gaps.

2,239,317
SAW
David T. Gibb, Ellensburg, Wash., assignor of one-half to J. Alva Bull
Application April 17, 1939, Serial No. 268,400
2 Claims. (Cl. 143—133)



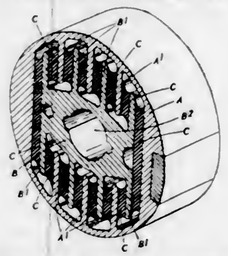
1. In a power saw, a rotary drive shaft, an elliptical plane blade mounted at right angles to said drive shaft for rotation about its center, uniform teeth formed about the periphery of said blade at varying radii from the axis of rotation of said blade, all of said teeth lying in the plane of the blade, whereby the cutting arcs of said teeth are different but complementary and both longitudinal and lateral cuts can be made according to the direction of feed of the work.

2,239,318
TRIM SUPPORTING ELEMENT AND METHOD OF ATTACHMENT
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application January 21, 1939, Serial No. 252,056
4 Claims. (Cl. 296—137)



1. In a vehicle body having side rails, a roof spanning said rails having its ends secured thereto, sockets on said side rails embodying a clip disposed above an aperture, and a bow extending across the top of the body below the roof having its ends inserted in said apertures and secured by said clips.

2,239,319
FLEXIBLE SUPPORT
Frank Bernard Halford, Edgware, and Charles Frederick Vickers, London, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain
Application November 4, 1939, Serial No. 302,936
In Great Britain November 5, 1938
13 Claims. (Cl. 248—9)

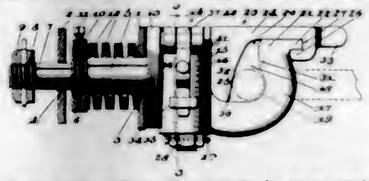


1. A flexible mounting for connecting a structure to be supported to a supporting structure comprising an outer and an inner member adapted to be connected respectively to the said structures, the inner member being arranged within a generally cylindrical recess in the surrounding outer member, wherein one member has a series of spaced parallel plates projecting from it and providing between them trough-like channels the length of which lies at a substantial angle to a plane normal to the axis of the members, and the other member has spaced plates projecting from it into said channels, and in the said channels pads of rubber bonded to both sides of the channel and to both faces of the plate projecting into it.

2,239,320
TOWING ATTACHMENT
George Haniquet, Glendale, Calif.
Application February 14, 1939, Serial No. 256,351
7 Claims. (Cl. 280—33.15)

3. A towing attachment comprising a hub having a hook, a lock to bridge the hook opening and having a projecting filler extending into the hook space to provide a trailer tongue back-lash reducer, means turnably connecting the lock to the hub permitting swinging the lock in reference to the hook, at least one lug carried by the lock

overhanging the hub and having a pin, a latch which is slotted to ride the pin, and a keeper on



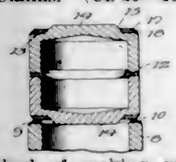
the hub with which the latch is engageable to secure the lock in the bridging position.

2,239,321

OIL WELL PUMP VALVE AND METHOD OF MAKING THE SAME

Ralph R. Hause, Montpelier, Ohio

Application May 13, 1938, Serial No. 207,836
6 Claims. (Cl. 29—157.1)



1. The method of making an integral heat treated, hermetically sealed hollow cylindrical valve drop for oil well pumps and the like, consisting in initially forming two complemental duplicate cylindrical cup members having side and end walls of substantially uniform thickness throughout and the closed ends of the members each having an external raised flat central bumper face of substantial area and receded flat annular marginal seating surface surrounding said bumper face, placing the cup members with their open ends in abutting relation to each other and uniting them by an annular weld, and then heat treating the united assembly.

5. A valve for oil well pumps including a hollow cylinder the ends of which are closed, and a flat faced boss issuing concentrically from each of said closed ends.

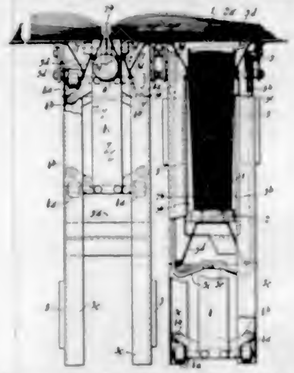
2,239,322

APPARATUS FOR STORING REFERENCE BOOKS

Ronald Edward Louis Heymans, Hornsey, England, assignor to Harris & Tyler Limited, London, England, a British company

Application December 31, 1938, Serial No. 248,843
In Great Britain January 26, 1938
7 Claims. (Cl. 45—85)

1. Apparatus for storing a reference book comprising a frame provided with a top for supporting the book in the open position, said top having a gap through which the book is withdrawn to a storing position below the said top, spaced vertically disposed members extending below the said gap and arranged to provide a slot therebetween to accommodate the book to be stored with its back lowermost, oppositely disposed vertical guide members arranged adjacent the front end of the said slot, a vertically movable carriage disposed in the front end of said slot and slidable in the said guide members, vertically spaced pairs of rollers carried at opposite sides of said carriage and engaging said vertical guide members to maintain said carriage in upright position, a substantially horizontal book-supporting member carried solely by the said carriage and extending therefrom toward the rear end of said slot, and



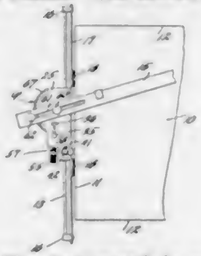
means for connecting the book to the said book-supporting member.

2,239,323

DRAFTING INSTRUMENT

Ira W. Hicks, Luzerne, Pa.

Application June 22, 1939, Serial No. 280,631
8 Claims. (Cl. 33—81)



2. In a drafting instrument, in combination, a drawing board, a rod longer than said board, means for removably mounting the same spaced for its full length from an edge of the drawing board and below the level of the surface thereof, a sheet metal carriage mounted and guided on said rod for movement therealong, the top surface of the carriage being flush with the board surface, a straight edge pivoted to said carriage and extending over the board, stepping mechanism mounted beneath the under surface of said carriage and cooperating with said rod to move the carriage and straight edge in uniform steps, and an operating member extending through said carriage for manual manipulation of said mechanism.

2,239,324

LACING DEVICE

Ernest E. Hills, Oshkosh, Wis., assignor of one-half to John E. Schein, Oshkosh, Wis.

Application December 26, 1939, Serial No. 310,985
2 Claims. (Cl. 24—141)



1. In combination with the flap of a shoe upper having a slot in the outer end portion thereof, a lacing device for said slot comprising a body returned at substantially its longitudinal center to have its opposite end portions overlying and

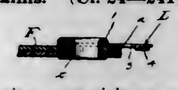
between which overlying portions of the body the outer end portion of the upper flap is received, a clinching prong carried by one of the returned portions of the body passing through the flap and coacting with the second returned portion of the body to hold the device to the flap, the returned portions of the body having openings registering with the associated slot through the flap.

2,239,325

LACING DEVICE

Ernest E. Hills, Oshkosh, Wis., assignor of one-half to John E. Schein, Oshkosh, Wis.

Application December 26, 1939, Serial No. 310,986
2 Claims. (Cl. 24—241)



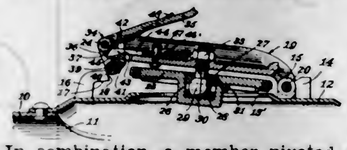
1. A lacing device comprising a plate provided with means at its rear end portion for securing the same to the marginal portion of the flap of a shoe upper or the like, the opposite or front end portion having a flap cut therefrom and disposed transversely thereof, the forward marginal portion of the flap being integral with the plate, said flap being outwardly returned for contact with a face of the plate, said returned flap providing a slot for the passage of a shoe lace.

2,239,326

COVER MOUNTING AND LOCKING MEANS FOR TANKS

Frank A. Holby, Riverside, Conn., assignor to The William F. Kenny Company, New York, N. Y., a corporation of New York

Application August 10, 1939, Serial No. 289,486
2 Claims. (Cl. 292—336)



1. In combination, a member pivoted at one end, a fixed keeper at the free end of said member having an angular head, means on the free end of said member engageable under the head of said keeper and releasable therefrom, said means being swingable on an axis parallel to the pivoting axis of said member, and a latch carried by said member and engaging and holding said swingable means in withdrawn position when the latter is released from the keeper, said latch having a portion positioned to strike the top of the keeper head to release the latch from said swingable means as said member swings toward said keeper.

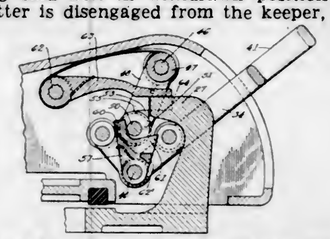
2,239,327

CLOSURE FASTENING MEANS

Frank A. Holby, Riverside, Conn., assignor to The William F. Kenny Company, New York, N. Y., a corporation of New York

Application July 3, 1940, Serial No. 343,908
9 Claims. (Cl. 292—336)

1. Latch mechanism for a swingable member and cooperable with a fixed keeper adjacent the free end of said member, said latch mechanism comprising a lever pivoted on the free end of said member, a bolt on said member engageable in locking relation under the head of said keeper and disengageable by said lever, a trigger for holding said bolt in withdrawn position when the latter is disengaged from the keeper, and a



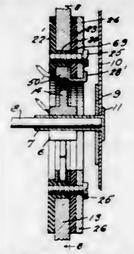
safety catch cooperable with said keeper for preventing swinging of said member to an extent to bring the bolt above the keeper head until said trigger is in holding relation to said bolt.

2,239,328

SPEED CONTROL ATTACHMENT FOR SPEEDOMETERS

Paul Huber Kolb, Williamsport, Pa.

Application November 17, 1937, Serial No. 175,168
3 Claims. (Cl. 200—56)



3. In a speedometer having a fixed dial with a central aperture and a rotatable shaft extending through said aperture and carrying a pointer adapted to cooperate with said dial to indicate vehicle speed, switch means comprising a ring member rotatably mounted within the central aperture of the dial, an electrical contact member carried on the inner cylindrical face of said ring, an electrical contact member mounted on the shaft within said ring, and means for adjustably rotating the ring with respect to the dial, said ring being formed with a radial pointer and being positioned within the central aperture of the dial by arcuate clamping members secured on opposite faces of the dial, the front clamping member being graduated to cooperate with the ring pointer, said clamping members forming an annular channel within which the ring is rotatably mounted.

2,239,329

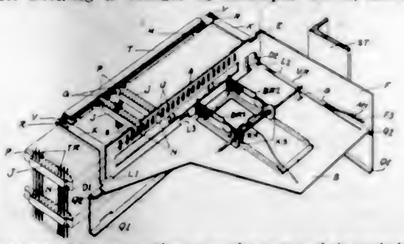
SELECTOR

Helge Edvard Lindström, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden

Application October 19, 1938, Serial No. 235,855
In Sweden December 21, 1937
6 Claims. (Cl. 179—27.52)

1. In a selector arrangement, a number of selecting mechanisms having movable wipers, a bare wire multiple common to a plurality of said selecting mechanisms and extending substantially at right angle to the direction of movement of selector wipers during a selecting operation, a fixed wall plate arranged between said select-

ing mechanisms and the wire multiple and extending perpendicularly to the direction of movement of the wipers during the selecting operation, supporting members of insulating material each holding a bundle of multiple wires, shoul-



ders on said supporting members for determining the position of said supporting member relative to the wall plate, and abutments on said wall plate for determining the position of the selecting mechanisms relative to the wall plate.

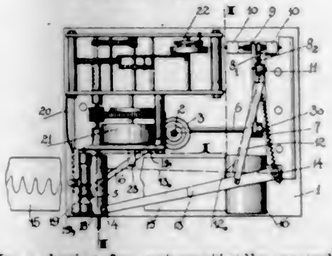
2,239,330

RECORDING DEVICE

Sándor Lóránd, Budapest, Hungary

Application February 11, 1938, Serial No. 189,983

3 Claims. (Cl. 128—2)



1. In a device for automatically recording the periodical contractions of the uterus preceding delivery in combination, a perforated base plate adapted to support the device on the abdomen of the patient, a piston movable in opposite directions perpendicular to the plate and projecting through and below said plate, means for guiding said piston, a one-arm lever normally disposed in substantially parallel relation to said plate and movable by said piston, said piston engaging said lever at a point between the pivoted and free ends thereof, a two-armed lever arranged in a plane perpendicular to said plate, one arm of the two-armed lever co-acting with the free end of the one-armed lever, a second one-armed lever, a link connection between the other arm of the two-armed lever and the second mentioned one-armed lever at a point between the pivotal axis and free end of the second one-armed lever, the second mentioned one-armed lever being arranged above the first mentioned one armed lever and being adapted to carry a stylus.

2,239,331

METHOD OF PRODUCING CONNECTOR PARTS

Frederick W. Mebold, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application February 9, 1940, Serial No. 318,090

9 Claims. (Cl. 29—155.5)

1. The herein described method of producing a connector part which includes spaced parallel portions and a bridge portion that connects said parallel portions, said method comprising forming said connector part with the aid of a punch and die assembly, said operation of forming said



connector part including simultaneously performed drawing and stoving operations which form said parallel portions, and an extruding operation which forms said bridge portion.

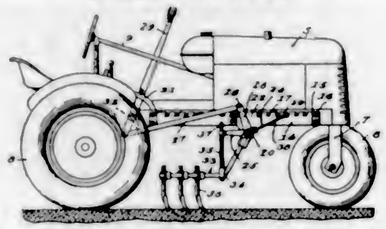
2,239,332

REMOVABLE IMPLEMENT CARRYING TRACTOR FRAME

Herbert P. Mee, Cleveland, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio

Application June 13, 1940, Serial No. 340,375

3 Claims. (Cl. 97—47)



1. In combination, a tractor main frame including side frame members, and an elongated implement carrying member extending along the outer side of one of the side frame members of the tractor main frame, said implement carrying member being substantially spaced throughout most of its length from the main frame and being formed with inwardly turned end portions secured to said main frame, and said implement carrying member having a plurality of regularly spaced L-shaped notches extending inwardly from its upper side with the horizontal legs of the notches turned toward the rear of the main frame, the upper side of the implement carrying member being disposed below the upper plane of the side frame members of the main frame.

2,239,333

MOTOR ACTUATED ROTARY SHAVING HEAD

Harrison I. Mickle, South Ozone Park, N. Y.

Application February 7, 1938, Serial No. 189,192

3 Claims. (Cl. 30—43)



1. A device of the type described comprising a supported, relatively stationary, substantially cylindrical casing member, a segment of said casing having a plurality of slot-like openings formed therein disposed obliquely relative to the axis of said substantially cylindrical casing member; a live spindle positioned within and disposed coaxially relative to said casing; a pair of collar-like members substantially fixedly secured in spaced relationship on said spindle and rotatable therewith; a block-like shape in the form of a segment of a cylinder positioned between said collar-like members and provided on the outer surface thereof with helical, square-cut, groove-like formations alignable with said slot-like openings in said casing and means connecting said block-like member and said live spindle whereby said block-like member can be rotated by said spindle so that, through means including centrifugal force, said rotating block-like member is pressed against inner parts of said substantially cylindrical casing, causing hair and the like positioned in said slot-like openings of said casing to be cut and sheared.

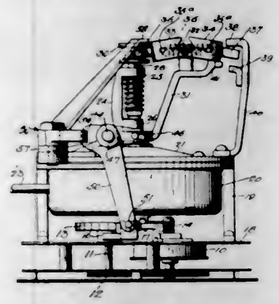
2,239,334

VACUUM-ACTUATED SPRING-WINDING DEVICE

Samuel Milone, Camden, N. J.

Application February 3, 1939, Serial No. 254,503

12 Claims. (Cl. 185—13)



3. In a spring-winding device, a spring to be wound, a motor to wind the spring including a reciprocating member, a valve to control operation of the member, a seat with which the valve coacts reciprocating with the member, means rendered operative by reciprocation of the member to seat and unseat said valve, and means operative when the spring has attained a predetermined tension for rendering the first-named means inoperative.

2,239,335

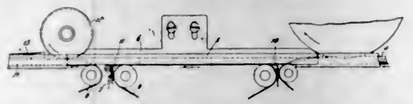
CIGARETTE ROD FORMING MECHANISM

Desmond Walter Molins, Deptford, London, England

Application March 23, 1939, Serial No. 263,786

In Great Britain April 29, 1938

6 Claims. (Cl. 131—84)



2. A cigarette rod forming mechanism comprising a confining passage through which a tobacco stream is moved lengthwise and in which the stream is compacted lengthwise by reducing the speed of the tobacco while the tobacco is in the passage, a first conveyor to feed said stream into said passage, a second conveyor movable at a speed slower than that of the first conveyor but greater than that to which the tobacco is reduced in the confining passage to move the tobacco stream lengthwise away from the outlet of said passage, and an intermediate conveyor movable in the same general direction as said first and second conveyors and at a speed less than that of the first and second conveyors, said intermediate conveyor forming a part at least of the bottom wall of the confining passage.

2,239,336

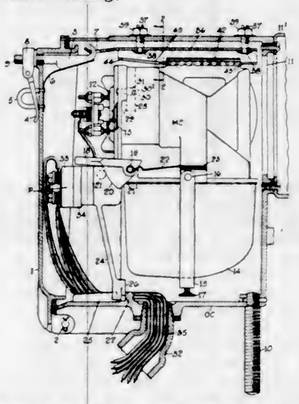
LIGHT SIGNAL FOR RAILROADS

Edmund W. Moore, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application December 22, 1937, Serial No. 181,198

6 Claims. (Cl. 177—329)

1. In a light signal for railroads, and the like, in combination, an outer casing having an open rear end, a door for closing the rear end, a slotted slide carried inside, and by the top of, the casing, means for adjusting the slide in position relatively to the top of the casing, said slide running lengthwise of the casing, an inner casing insertable into the outer casing through the rear thereof, interengageable guide means on the inner and outer casings, an elongated head on the top of the inner casing of a section to be receivable in the slide and cause the slide to support the entire weight of the inner casing as the head slides along the slide and the casing is slid into the outer casing.



5. In a light signal for railroads, and the like, in combination, an outer casing having an open rear end, a door for closing the rear end, a slotted slide carried inside, and by the top of, the casing, and running lengthwise of the casing, an inner casing insertable into the outer casing from the rear, an elongated T-shaped head on the top of the inner casing receivable in the slide and slidable along the slot so as to cause the slide to support the entire weight of the inner casing as it is slid into the outer casing, and a spring pressed hasp on the door engageable with an opening in the rear end of the slide to thus hold the door in closed position.

6. In a light signal for railroads, in combination, an outer casing having an open rear end, light directing means in the front end of the casing, an inner casing containing light controlling means and receivable within the outer casing through the open rear end, a plurality of electric wires passing into the outer casing from the outside, an elongated two-part plug having a length substantially equal to the width of the outer casing, and connecting the wires to the light controlling means in the inner casing, a slotted supporting slide carried inside, and by the top of, the outer casing and extending lengthwise of the casing, a carrying head on the top of the inner casing receivable in the slide for supporting the weight of the inner casing as it is pushed into, and toward the front of, the outer casing and means clamping the said wires to the bottom of the outer casing to provide clearance, when the wires are disconnected from the light controlling

means and dropped downwardly from the outer casing, for the inner casing as it is moved on its slide.

2,239,337
AGITATING AND DISPENSING MEANS
Edward F. Nye, Philadelphia, Pa.
Application September 16, 1940, Serial No. 357,054
5 Claims. (Cl. 259—33)



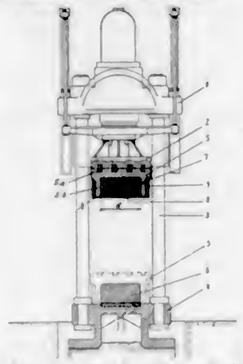
1. A device for agitating semi-fluid substances in and dispensing same from a container comprising a cover for removable connection with the container, a tube secured to the cover for suspension within the container, a propeller screw rotatably supported within the tube, a pouring spout in communication with the upper end of the tube, means to rotate the screw, a substance inlet opening at the lower end of the tube, and a combined substance vent and inlet opening adjacent the upper end of the tube, said screw extending through said tube to a point above the combined vent and inlet opening.

2,239,338
MOLDING APPARATUS
Vincent B. Norelli, Washington, D. C.
Application November 13, 1939, Serial No. 304,257
6 Claims. (Cl. 18—30)



1. An apparatus for molding impressionable substances which comprises a mold block comprising a solid of rotation, a bore in said block concentric with the axis of symmetry thereof, a mold cavity in said block having a mold discharge opening terminating in an outer surface of the block for the removal of articles from the cavity, an injection orifice leading from the bore of said block to said mold cavity, a housing for said block in which the latter is rotatable, a gateway in said housing located to register with the mold discharge opening for one position of the block within the housing, the wall of said housing serving as a closure for said cavity opening for all positions of the block within the housing in which said cavity opening is out of register with said gateway, an injection header within the bore of said block forming an inner wall of the housing for the block and having an outer surface complementary to said bore, a hole through the wall of the injection header positioned to be aligned with the injection orifice leading to the mold cavity when the cavity opening is in a position out of alignment with said gateway, a second hole through the wall of said injection header positioned to be aligned with the injection orifice leading to the mold cavity when the cavity opening is aligned with said gateway, means for forcing impressionable substance into said injection header, and means for rotating said block within its housing.

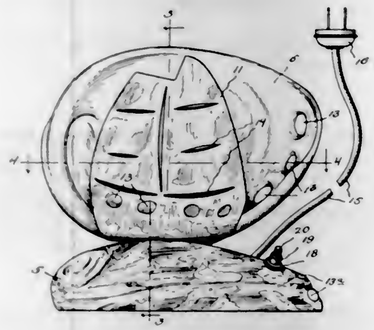
2,239,339
PRESSING APPARATUS
Otto Oeckl, Berlin-Schoneberg, Germany, assignor to the firm: Henschel Flugzeug-Werke Aktiengesellschaft, Schonefeld, Kreis Teltow, Germany
Application October 11, 1938, Serial No. 234,455
In Germany February 22, 1937
7 Claims. (Cl. 113—38)



1. A press for the production of sheet metal stampings comprising, in combination, a press stamp, a press table having a projection, said press parts being movable towards and away from one another, an intermediate member provided on one side with a pressing surface and on its other side with an open-ended chamber dimensioned to fit over said projection, means for detachably connecting said member to said stamp, a cushion of resilient material adapted, according to one operation of the press for which the intermediate member is connected to the stamp, to be secured in said chamber for cooperation with a die placed on said projection, and said member being adapted, according to another operation of the press for which it is detached from said press stamp and said cushion is removed from the chamber, to fit over said projection and rest upon said press table, in which latter position cooperating dies or the like may be operatively related to the pressing surface of said member and to said press stamp.

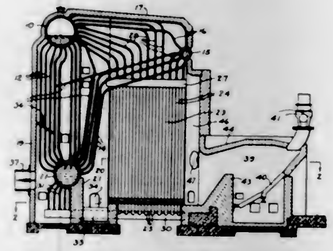
2,239,340
ORNAMENTAL ELECTRIC LAMP
Frank J. Passantino and Vincent Davi, San Francisco, Calif.
Application February 27, 1940, Serial No. 321,138
4 Claims. (Cl. 240—10)

1. An ornamental lamp comprising a base consisting of a single natural abalone shell disposed horizontally and arranged with its convex side up, a reflector consisting of a single natural abalone shell disposed vertically and directly upon said base, means rigidly securing said base and reflector shells together, the contiguous portions of said base and reflector shells having alined openings, an electric lamp socket having its lower portion fitted and secured in said openings, the base



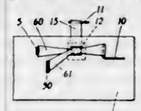
shell having an aperture therethrough and provided with the usual water escape openings, a switch fastened to the underside of said base shell and having an operating element projecting upwardly through said aperture, and an attachment cord passing downwardly through one of said water escape openings and connected to the switch and lamp socket beneath said base shell.

2,239,341
FURNACE
Gustav A. Rehm, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application March 4, 1939, Serial No. 259,713
8 Claims. (Cl. 122—240)



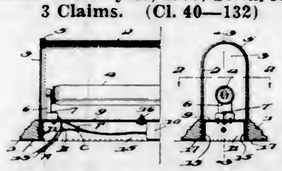
1. A multiple furnace installation comprising a main furnace adapted for the combustion of fuel in suspension, an auxiliary furnace somewhat narrower than the main furnace located in front of the main furnace and adapted for the combustion of fuel having a high moisture content, the hot gaseous products of combustion flowing rearwardly from the auxiliary furnace into the main furnace, and burner means located at one side of the auxiliary furnace and arranged to project a stream of fuel generally rearwardly and substantially horizontally into the lower portion of the main furnace for combustion in suspension therein.

2,239,342
METHOD OF TYING BOWS OR KNOTS
Oskar Rosenfelder and Eugen Weber, London, England, assignors to O. R. Engineering Company Limited, London, England, a British company
Application May 8, 1939, Serial No. 272,542
In Great Britain May 11, 1938
13 Claims. (Cl. 289—1)



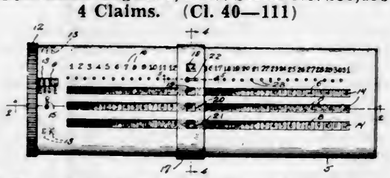
1. A method of tying a ribbon into a bow by means of a mechanical device, comprising the steps of drawing the ribbon about a piece of solid material, the width of said piece of solid material being at most equal to the width of said ribbon, passing one free end of said ribbon around the other to form an unknotted loop around said piece of solid material, engaging drawing means with an intermediate portion of said one free end and drawing said intermediate portion by said drawing means through said unknotted loop and along said piece of solid material to form a bow, twisting said bow through 90°, and tightening said bow.

2,239,343
ILLUMINATION UNIT
Carl P. Rumbaugh, Lancaster, Pa.
Application February 15, 1939, Serial No. 256,579
3 Claims. (Cl. 40—132)



1. An electrically operated illumination unit comprising a frame, a pair of end plates projecting from said frame, a thin light transmitting stiffly flexible illuminable hollow body disposed in said frame with its ends closed by said end plates, means carried by said end plates for engaging the marginal end portions of said body to confine the same in combination with an upwardly dished base fitting into said frame and serving to close the open side of said body and to engage the marginal side portions of said body to confine the body against bodily downward movement, a cold light lamp mounted on the upper face of said base, and an electric current modifier mounted on the lower face of said base and received within the dished formation of said base.

2,239,344
CALCULATOR
Robert L. Sifrit, Union City, N. J.
Application August 4, 1939, Serial No. 288,453
4 Claims. (Cl. 40—111)



1. A menstrual and fertility calculator com-

prising an outer cylinder having three longitudinal slots therein extending the greater part of the length thereof, said outer cylinder also having a short slot in one end of the same and provided with a longitudinal series of numerals thereon opposite said slot indicating the days of a month, an inner cylinder having a circumferential series of notations on one end thereof indicating the months of the year and adapted to be selectively exposed through said short slot of the outer cylinder upon relative rotation of the cylinders, said inner cylinder also having a circumferential series of longitudinal rows of spaces adapted to receive numerals indicating days of months, alternate rows being arranged for exposure through the longitudinal slots of the outer cylinder, and a sleeve fitted over and longitudinally slidable on the outer cylinder and provided with four circumferentially arranged openings adapted to be respectively registered with a numeral of said longitudinal series of numerals and a numeral of the respective rows of spaces exposed through the three longitudinal slots of the outer cylinder, whereby, when said sleeve and outer cylinder are positioned to respectively reveal through said short slot and an opening of the sleeve the month and day of said month indicating the beginning of a given menstrual period, the numerals exposed through the remaining openings of the sleeve and of the rows exposed through said longitudinal slots of the outer cylinder will indicate respectively the day of beginning of the next menstrual period, the day of beginning of fertility with respect to the latter period, and the day of ending of fertility with respect to the latter period.

2,239,345
PROLIFERATION STIMULANTS AND PROCESS OF MAKING SAME
George Sperti, Cincinnati, Ohio, assignor to The Institutum Divi Thomae Foundation, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application June 19, 1939, Serial No. 279,997
10 Claims. (Cl. 167—74)

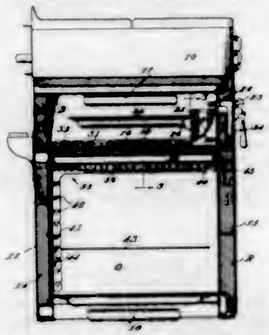
1. The process of producing a substance capable of stimulating cellular metabolism which comprises subjecting living cells to treatment capable of destroying cellular life when applied in lethal dosage but limiting the intensity of said treatment to prevent immediate destruction of cells and continuing said treatment to cause the production of said substance by the living cells in response to said treatment, whereby the yield of said substance increases up to the point where substantially all the cells are destroyed, and extracting the water-soluble constituents of the treated cells.

2,239,346
MANTLE
Hiram W. Strong, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation
Application May 27, 1939, Serial No. 276,188
12 Claims. (Cl. 67—98)

2. A mantle comprising a major, openwork, light radiating portion of duplex stitching forming spaced threads arranged to give maximum light radiating area for each thread, and a supporting portion of simplex stitching having relatively closely arranged threads at the top of the radiating portion.



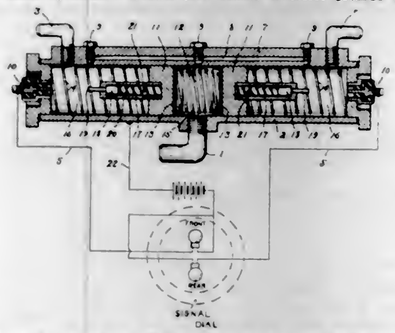
2,239,347
GAS OR ELECTRIC COOKING APPARATUS
Jacob Teller, Chicago, Ill., and Arthur P. Schulz, Michigan City, Ind., assignors, by mesne assignments, to G. & J. Teller, Chicago, Ill., a partnership composed of Grace Teller and Jacob Teller
Original application October 20, 1934, Serial No. 749,282. Divided and this application October 28, 1937, Serial No. 171,590
6 Claims. (Cl. 126—41)



1. In combination with a range comprising a cooking compartment having a door controlled open end, a cooking vessel support comprising a horizontal channel trackway supported on the lower wall of said compartment and extending in the direction of the depth thereof, a bar slidably supported in said trackway for movement into and out of said compartment, and a vertically disposed and forwardly extending member carried by an end of said bar adjacent said open end and having a vertical series of rearwardly disposed recesses and projections for removably and adjustably supporting a cooking vessel.

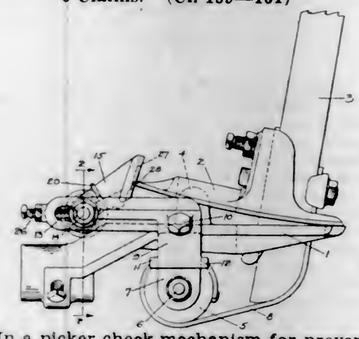
2,239,348
HYDRAULIC BRAKE SAFETY UNIT
John A. Wirtanen Chisholm, and Axel M. Wirtanen, Eveleth, Minn.; said John A. Wirtanen, deceased, assignor, by order of court, to Elsie Wirtanen
Application May 5, 1939, Serial No. 272,000
4 Claims. (Cl. 200—82)

1. A circuit closer comprising, an elongated fluid filled cylinder, an electric circuit terminal in either end of said cylinder, a pair of spaced pistons within said cylinder, means intermediate of and holding said pistons in spaced relation, means for counteracting the force of said first mentioned means in keeping each of said pistons a predetermined distance from their respective ends of said cylinder, means carried by each piston for cooperative engagement with the terminal of an electric circuit in its respective end of said cylinder when the fluid within either end



of said cylinder falls below a predetermined amount.

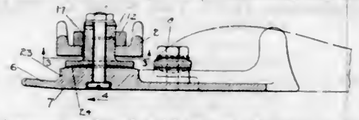
2,239,349
PICKER CHECK
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 17, 1940, Serial No. 361,610
6 Claims. (Cl. 139—161)



1. In a picker check mechanism for preventing the rebound of the shuttle in fly shuttle looms, the combination of a support, a rocker shoe mounted thereon for rocking movement, a picker stick attached to said shoe, a lever pivotally mounted on said support, resilient means for holding said lever against upward movement, said lever extending outwardly over the toe of said shoe, the outer end of said lever being inclined upwardly forming a bearing surface engaging the toe of said shoe, the inclination of said bearing surface being such that when said toe has reached the uppermost point of its travel, said toe will be perpendicular to said bearing surface whereby all downward component of the pressure exerted upon said toe by said lever will disappear.

2,239,350
SHUTTLE BOX
Horace H. Burdett, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application August 7, 1940, Serial No. 351,669
6 Claims. (Cl. 139—183)

1. In a loom, the combination of a lay, a lay sword for supporting said lay, said sword having an opening therein, a shuttle box carried by said lay, said shuttle box including a back box plate having a shuttle guiding surface, means securing the outer end of said box plate to said lay, a member vertically adjustably connected to said sword and extending through said opening for movement transversely of said sword, the inner end of said box plate and said member having complementary curved contacting surfaces whereby said box plate is adjustable in relation to said member and means for locking said box plate and said member in adjusted position.

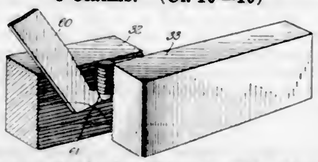


2,239,351
FABRIC DECORATIVE EFFECT
Charles Emmey, Brooklyn, N. Y., and Mark V. Hamburger, Lynn, Mass.; said Hamburger assignor to said Emmey
Application October 13, 1939, Serial No. 299,232
11 Claims. (Cl. 41—34)



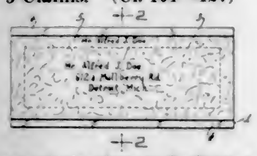
11. In combination, a fabric having an opening therein, a piece of material having an opening therein and slits extending upwardly from the said opening to thereby form flaps between the said slots, said flaps bent over to form channels adjacent the opening in the material, the edges of the fabric adjacent the opening therein being arranged in the channels formed in the material and secured therein to the material and a decoration arranged within the opening in the fabric and secured to the fabric.

2,239,352
SETSCREW AND METHOD OF PRODUCING SAME
Andrew J. Cherry, Chicago, Ill., assignor to Economy Screw Corporation, Chicago, Ill., a corporation of Illinois
Application February 23, 1939, Serial No. 257,802
8 Claims. (Cl. 10—10)



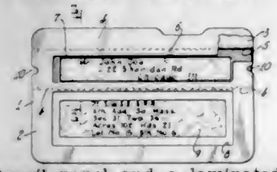
1. The method of making screws, which comprises forming a temporary head on a screw blank, utilizing said head for feeding the screw blank to thread-rolling dies, rolling a thread on said blank by means of said dies, and simultaneously rolling out said head so as to provide a headless threaded screw.

2,239,353
METAL FRAME STENCIL
Harmon P. Elliott, Watertown, Mass., assignor to The Elliott Addressing Machine Company, a corporation of Massachusetts
Application April 2, 1940, Serial No. 327,423
5 Claims. (Cl. 101—127)



1. As a new article of manufacture, a two sheet laminated stencil structure in which one sheet is windowed and composed of flexible resilient metal and the other sheet is of stencilizable material adhesively secured to the metal sheet as a covering for the window therein, the metal sheet being processed to produce a surface formation to which the adhesive bonds the stencilizable sheet with practical permanency.

2,239,354
MULTIPLE PANEL STENCIL FOR TAX BILLS
Harmon P. Elliott, Watertown, Mass., assignor to The Elliott Addressing Machine Company, a corporation of Massachusetts
Application April 2, 1940, Serial No. 327,424
10 Claims. (Cl. 101—127)

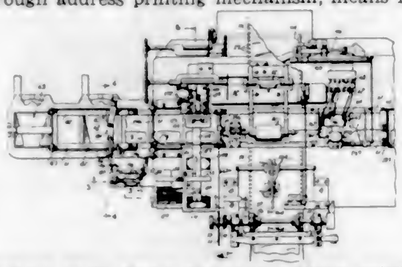


1. A stencil panel and a laminated carrying frame therefor formed of two connected layers of suitable material windowed to expose the stencil panel, the said two layers of material throughout a limited area intermediate their ends being separable by forced entrance of the stencil panel between the same to provide a cross passage in line with the window in which the stencil panel is removably held, the said stencil panel being composed of a sheet metal frame faced with stencil tissue and of such reduced gauge that the insertion of the stencil panel in the cross passage does not perceptibly increase the thickness of the stencil frame.

10. The method of clearing a passage and removably entering a stencil panel between the layers of a laminated windowed carrying frame, which consists in temporarily reinforcing the panel for use as a wedge, inserting the reinforced panel by forced entrance between the frame layers to separate them and form a through passage in the windowed area in line with the window extending from one side to the opposite side of the frame, then removing the panel reinforcement and leaving the panel positioned in the frame and exposed through the window thereof.

2,239,355
LABEL PRINTING AND ACCOUNTING MACHINE
Harmon P. Elliott, Watertown, Mass., assignor to The Elliott Addressing Machine Company, a corporation of Massachusetts
Application April 2, 1940, Serial No. 327,425
31 Claims. (Cl. 101—58)

1. In a label addressing machine in which address-bearing devices and paper to receive impressions therefrom are intermittently fed through address printing mechanism, means for



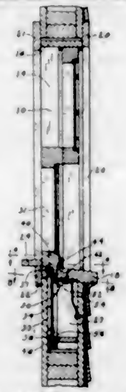
marking each device for each address printed from it, and selective means utilizing the marks to control the operation of the address printing mechanism.

2,239,356
TASSEL
Carmen S. Felch, Providence, R. I., assignor to Ernest E. Weller, Providence, R. I.
Application May 8, 1939, Serial No. 272,327
3 Claims. (Cl. 2—278)



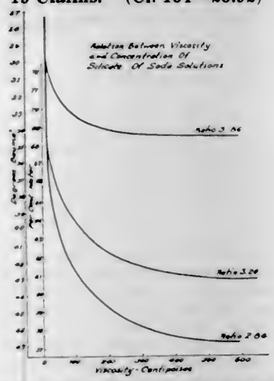
1. A tassel comprising a tuft formed of a plurality of elongated pieces of material of a length substantially greater than their width angularly disposed and crossing each other, each with an opening to register with the opening of the companion piece of material, and a cap of cup shape into which the crossing portion of the pieces of material are positioned in generally a U bend of each piece with portions engaging the surrounding side walls of said cap and causing the portions of material protruding from the cap to be disposed downwardly nearly parallel with the central longitudinal axis of the cap.

2,239,357
FOLLOWING SCREEN FOR WINDOWS
John B. Schmidt, Kent, Wash., assignor of one-half to Carl Brandstetter, Kent, Wash.
Application June 21, 1939, Serial No. 280,429
4 Claims. (Cl. 156—14)



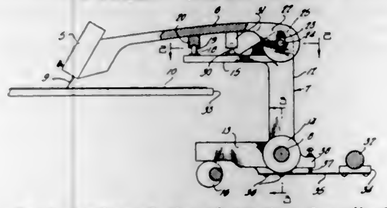
1. An insect guard for a screen that is attached to a sliding window sash, said guard comprising a horizontally disposed member, means for slidably mounting said member on a portion of a window frame, and resilient means mounted on a stationary support for urging said member into frictional engagement with an adjoining face of the screen.

2,239,358
MANUFACTURE OF ADHESIVES FOR THE MACHINE FABRICATION OF LAMINATED PAPER PRODUCTS
James G. Vail, Media, and Chester Leon Baker, Penn Wynne, Pa., assignors to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 16, 1938, Serial No. 196,264
15 Claims. (Cl. 134—23.92)



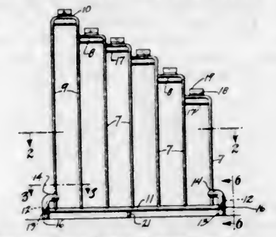
8. A quick-setting adhesive particularly adapted for use in high-speed operations, which comprises a substantially stable suspension of a highly dispersed clay in an aqueous phase comprising a solution of an alkali metal silicate having a ratio of SiO_2 to alkali metal oxide within the range of 2.5:1 to 4:1, said aqueous phase having a viscosity and gravity falling on the low-viscosity portion of the knee of its viscosity-gravity curve, said adhesive containing not substantially more than 20 per cent of clay, having a filter test ranging from about 4 to 15 cc. and a viscosity ranging from about 50 to 500 centipoises substantially as shown and described.

2,239,359
STYLUS HEAD MOUNTING
Frederick D. Banning, Los Angeles, Calif., assignor, by mesne assignments, to Memovox, Inc., Beverly Hills, Calif., a corporation of Ohio
Application December 23, 1939, Serial No. 310,854
5 Claims. (Cl. 274—23)



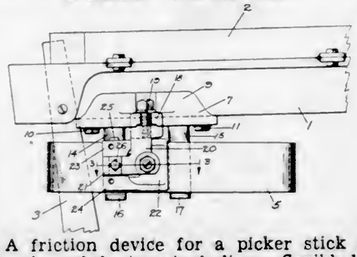
1. In a device of the character described, a stylus head, an arm for supporting said head, a carriage, means forming a pair of bearing supports for the arm, comprising sets of cooperating bearing elements on the arm and on the carriage, said sets being at different distances from the head, and means for adjusting the carriage for causing either of the sets to be placed in cooperative relation.

2,239,360
RACK AND BASE
Albert Bersin, New York, N. Y.
Application June 27, 1940, Serial No. 342,640
7 Claims. (Cl. 211—182)



1. A supporting base for a rack comprising a longitudinal bar, a bar bent into the form of a yoke at each end of the longitudinal bar, each yoke having legs and a portion connecting one end of the legs, a cross bar for each yoke extending between the legs of the yoke, each end of the longitudinal bar being connected to a cross bar, with the legs of the yoke extending downward, the connecting portion of each yoke extending inwardly from its legs toward the other yoke at the other end of said longitudinal bar, said portion being located a substantial distance above the longitudinal bar, and a pair of upwardly extending bars fastened at their lower ends to said longitudinal bar, each upwardly extending bar being so fastened at a substantial distance inward from an end of said longitudinal bar and joined to the yoke at said portion above the longitudinal bar.

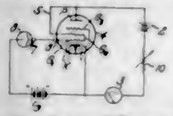
2,239,361
PICKER STICK CHECKING MECHANISM
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application November 5, 1940, Serial No. 364,440
3 Claims. (Cl. 139—165)



1. A friction device for a picker stick check mechanism of the type including a flexible looped strap supported beneath the lay and within which the picker stick oscillates, said device comprising a bracket attached to the lay and having a pair of spaced depending friction fingers adapted to engage the inner face of said strap, a supporting member adjustably attached to said bracket and having a depending portion with a laterally extending ear at the lower end thereof, a third friction finger adapted to engage the outer face of said strap and having a pair of spaced apart ears extending laterally therefrom, said pair of ears

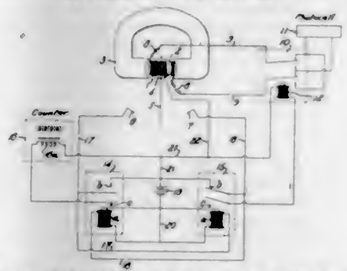
embracing said first named ear, a pintle extending through said ears hingedly connecting said third finger to said supporting member, and means for adjustably positioning said third finger relative to said pair of fingers whereby the sinuosity of the path of travel of the strap between the fingers is adjustable.

2,239,362
THERMIONIC TUBE AMPLIFIER
Roswell W. Gilbert, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application August 10, 1937, Serial No. 158,423
5 Claims. (Cl. 250—41.5)



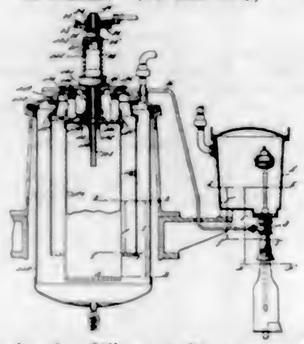
5. A direct current amplifier circuit comprising a vacuum tube having a control grid cooperating with a cathode and plate, means maintaining the control grid at its normal contact potential with the cathode, a phototube having a cathode and anode, a connection from the phototube cathode to the control grid and a source of direct current connected between the phototube anode and the cathode of the vacuum tube, the positive terminal of said current source being towards the phototube anode, and a plate-cathode circuit including a current measuring instrument and a source of plate potential, said source of plate potential impressing on the plate a voltage of not more than that value at which plate conduction is blocked by the normal contact potential of the control grid with its cathode.

2,239,363
INTEGRATING APPARATUS
Roswell Ward Gilbert, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application July 15, 1939, Serial No. 284,805
10 Claims. (Cl. 88—23)



1. In an integrating photometer, the combination with an integrating system comprising a coil and means mounting the same for movement in opposite directions in a magnetic field, of a photoelectric cell, circuit elements including polarity reversing means connecting said cell to said coil, relay means controlled by displacement of said coil to predetermined end positions to actuate said polarity reversing means to reverse the direction of current flow in said coil, thereby to reverse the direction of movement thereof, and means including a power source separate from said photocell for registering the number of cycles of movement of said coil.

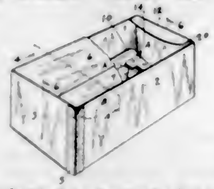
2,239,364
BOTTLE FILLING MACHINE
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application April 22, 1939, Serial No. 269,334
25 Claims. (Cl. 226—115)



14. A valve for filling machines, comprising a member having a circular face thereon and a plurality of ports terminating in said face, a second valve member comprising a sleeve having a passage opening at one end thereof, a piston member operating in said sleeve comprising a stem threaded at one end and having an annular shoulder fitting within said sleeve, said piston member having a passage extending axially therethrough, a shoe having an opening threadedly receiving the threaded end of said piston, a facing for said shoe formed of friction reducing material, said facing and shoe having openings therein communicating with the axial opening in the piston and a coiled spring interposed between the shoulder on said piston and a shoulder within said sleeve for biasing said shoe into sliding engagement with the first-mentioned face.

15. In a container filling machine, the combination with a filling tank, of a filling valve associated therewith for delivering the liquid from the tank to the container to be filled, a pressure chamber adapted to furnish pressure to said container slightly less than the pressure above the liquid in the filling tank and the liquid head in said tank, a second pressure chamber adapted to supply pressure to the container substantially equal to the pressure above the liquid in the tank, a third pressure chamber adapted to supply pressure to the container greater than said second-mentioned chamber, and means for successively connecting said chambers with the container to be filled.

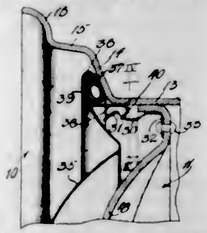
2,239,365
CRADLE BOX
Gaylord Loth, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application January 20, 1940, Serial No. 314,835
5 Claims. (Cl. 46—11)



1. A blank adapted to be made into a container,

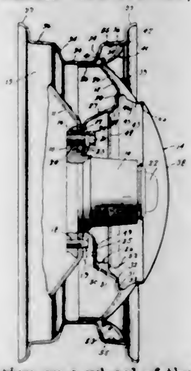
said blank comprising four panels successively foldably connected in longitudinal extension adapted to form two ends and two sides, a bottom foldably connected to an edge of a side, a top foldably connected to the opposite edge of the other side, and a fold line in said top parallel to the connecting edge laterally spaced therefrom a distance equal to the width of said side, ornamental tabs foldably connected to the top of each end and to the bottom of each end, respectively.

2,239,366
WHEEL DISK AND WHEEL ASSEMBLY
George Albert Lyon, Allenhurst, N. J.
Original application December 17, 1934, Serial No. 757,781. Divided and this application April 24, 1939, Serial No. 269,619
5 Claims. (Cl. 301—37)



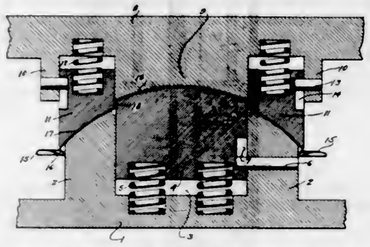
1. In combination, an automobile wheel including rim and body parts, said wheel having a radially inwardly facing shoulder in proximity to the juncture of said rim and body parts and having attaching means thereon in close proximity to said shoulder, and a circular cover member of relatively thin metallic sheet material for disposition over a part of said wheel, the outer margin of said cover member having a portion connected thereto and extending along said member and then axially rearwardly forming a flange portion for intimate telescopic engagement with said shoulder, a rearward part of said flange portion being bent obliquely axially outwardly and radially inwardly for snap-on engagement with said attaching means on said wheel.

2,239,367
WHEEL DISK MOUNTING
George Albert Lyon, Allenhurst, N. J.
Application June 4, 1938, Serial No. 211,778
11 Claims. (Cl. 301—37)



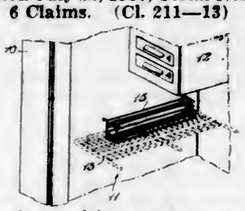
1. For disposition on a wheel of the type having concentric annular rows of attaching elements, a wheel disk comprising a crown portion, an intermediate ring portion and an outer ring portion, said intermediate and outer ring portions being connected by an integral rearwardly extending folded flange and said crown portion having a rearwardly extending skirt member secured thereto.

2,239,368
METHOD OF FORMING A WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application August 2, 1937, Serial No. 156,871
3 Claims. (Cl. 113—116)



3. The method of forming a groove in a wheel covering member having a crown portion and an outer part joined by an upstanding skirt, including supporting said outer part in an area close to said skirt while leaving said outer part unsupported next to said skirt, and forcing the unsupported portion of said outer part down to form at least a part of one wall of said groove and simultaneously forcing said skirt down to form the other wall of said groove.

2,239,369
REFRIGERATOR
Carl H. Nauert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 22, 1937, Serial No. 155,094
6 Claims. (Cl. 211—13)



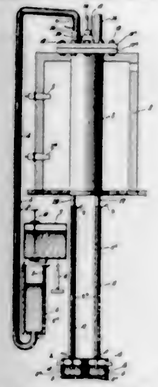
1. For use in a refrigerator compartment having a shelf of open construction including horizontal members spaced laterally and extending longitudinally from front to back of the compartment and one or more laterally extending members, a removable basket-like container provided with upper and lower portions, and shelf engaging members maintaining said upper and lower portions in spaced relation and projecting downwardly from the container and terminating in laterally extending generally hook-shaped portions adapted for interlocking engagement with said horizontal longitudinal shelf members and operating to hold the container against substantial downwardly tilting movement when the container is drawn forwardly to a pulled out position beyond the front edge of the shelf, and means also projecting downwardly from the container operating to engage one of the laterally extending shelf members and limit the pulled out position of the container.

2,239,370

SEPARATION OF METALS BY DISTILLATION

William H. Osborn, New York, and Sidney B. Tuwiner, Kew Gardens, N. Y., assignors to Phelps Dodge Corporation, New York, N. Y., a corporation of New York

Application July 15, 1939, Serial No. 284,677
36 Claims. (Cl. 75—63)



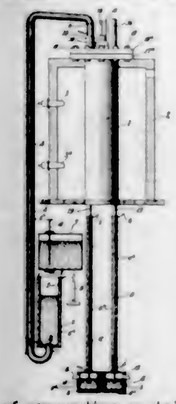
1. A method of separating metals from a mixture thereof, comprising flowing a relatively thin layer of the mixture in a molten condition, and under less than atmospheric pressure, over a surface in a container heated sufficiently to volatilize at least one of the metals without substantial volatilization of at least another one of the metals, condensing the volatilized metal in said container and separately collecting the condensed vapors and undistilled residue in their liquid form.

2,239,371

SEPARATION OF METALS BY DISTILLATION

William H. Osborn, New York, Sidney B. Tuwiner, Kew Gardens, and Ernest O. Sperr, deceased, late of Brooklyn, N. Y., by Evelyn Sperr, administratrix, Brooklyn, N. Y., assignors to Phelps Dodge Corporation, New York, N. Y., a corporation of New York

Application July 15, 1939, Serial No. 284,678
25 Claims. (Cl. 75—63)



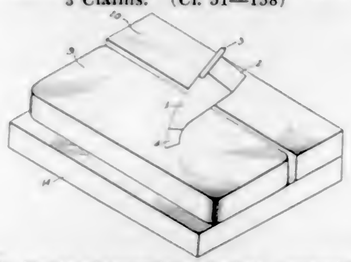
1. A method of separating metals from a mixture thereof, comprising flowing the mixture in a molten condition, and under less than atmospheric pressure, over a surface, heated sufficiently to volatilize at least one of the metals without substantial volatilization of at least another one of the metals, within an annular chamber externally heated and internally cooled, and condensing the volatilized metal on the cooled surface and separately collecting the condensed vapors and undistilled residue.

2,239,372

COMBINATION PHOTOGRAPHIC ETCHING KNIFE AND SHARPENER

Jesse G. Pratt, Silver Spring, Md.

Application September 10, 1940, Serial No. 356,224
3 Claims. (Cl. 51—158)



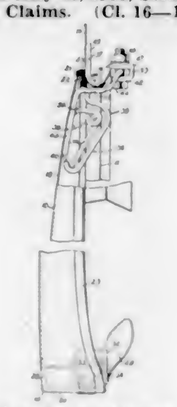
1. A blade sharpening device, comprising a support, a sharpening stone mounted on said support, and presenting a flat sharpening surface; a guiding track mounted on said support adjacent to the stone and presenting a slanting flat-top surface, one end of which is near the level of one end of the sharpening surface of the stone; a blade holder comprising an elongated member adapted to have a blade attached to one end thereof, the opposite end of said holder having a bearing portion resting upon the guide track, and constructed and arranged to position the blade holder to hold the blade in such position that the plane of the blade is tilted with respect to the surface of the sharpening stone transversely of the stone and also longitudinally of the stone.

2,239,373

FENDER WHEEL HOUSING ASSEMBLY

George W. Schatzman and Charles F. Purdy, Detroit, Mich., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application May 28, 1938, Serial No. 210,550
7 Claims. (Cl. 16—172)



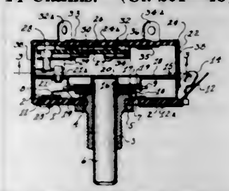
7. A mounting for supporting and securing a closure member in closed position on a depending wall member over an opening therein, said mounting comprising a supporting part carried on one member and a connecting part rotatably carried on the other member and separably connected to said supporting part for rotational movement thereon, said connecting part being swung upwardly and inwardly into overlapping relationship with said supporting part by movement of said closure to closed position, retaining means on said closure member for engagement with said wall member, said retaining means being urged upwardly against said wall member as said connecting part is swung into overlapping engagement with said supporting part.

2,239,374

UNITARY CASING FOR COMBINED SWITCHES AND RHEOSTATS

Newton C. Schellenger and Willis E. Haselwood, Elkhart, Ind., assignors to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana

Application August 31, 1934, Serial No. 742,226
14 Claims. (Cl. 201—48)



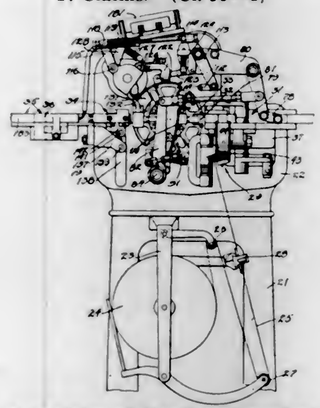
1. A combined rheostat and switch comprising: a housing; rheostat mechanism in the housing; switch mechanism in the housing; a substantially imperforate movable metallic wall within the housing between said mechanisms and substantially closing the housing therebetween; and means including said metallic wall for jointly operating the rheostat and switch.

2,239,375

WRAPPING MACHINE

Walter Haynes Sergent, Middletown, N. Y., assignor to Ideal Wrapping Machine Company, Middletown, N. Y., a corporation of New York

Application August 15, 1938, Serial No. 224,932
17 Claims. (Cl. 93—4)



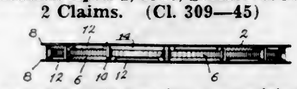
1. In a machine of the class described, a conveyor, means for moving candy from the conveyor to a sizing position, means for squeezing candy in the sizing position down to a predetermined dimension, wrapping mechanism, and means for moving the candy from the sizing position to the wrapping mechanism.

2,239,376

PISTON RING

Roland O. Smith, Kansas City, Mo.

Application April 1, 1940, Serial No. 327,206
2 Claims. (Cl. 309—45)



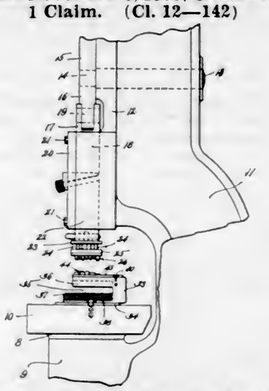
1. A one-piece piston ring comprising a body portion provided with oppositely disposed beveled portions having slots alternately arranged therein, a pair of outturned flanges formed integral with said beveled portions, and a plurality of transverse ribs pressed outwardly from said body portion.

2,239,377

METHOD OF MAKING SHOES

Arthur W. Altvater, University City, Mo.

Application November 6, 1939, Serial No. 303,038
1 Claim. (Cl. 12—142)



That improvement in the art of making shoes which consists in assembling the various parts of a shoe upper, including the portion which is exposed to view in the finished shoe at the rear sides thereof, the lining and the counter interposed therebetween, lasting the assembled shoe upper, and thereafter commencing and finishing the cutting of a plurality of separate ornamental cutouts or perforations simultaneously through the said portion, its lining and the counter interposed therebetween.

2,239,378

KNITTING MACHINE

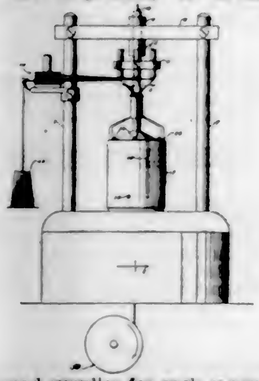
Samuel Edward Brillhart, Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 9, 1938, Serial No. 218,330
21 Claims. (Cl. 66—9)

5. A knitting machine comprising a needle bed, needles movably mounted in said bed, a cam element angularly stationary with respect to the needle bed, and a cam for actuating said cam element to reciprocate said needles.

21. A knitting machine comprising a rotating needle cylinder, a plurality of groups of needles mounted in said cylinder, a cam for each group of needles rotatable relative to the cylinder for re-

ciprocating each needle of the group once for each revolution of the cam relative to the needle cylinder, and a plurality of circumferentially



spaced thread supplies for each group of needles, said cams actuating needles to knit at circumferentially spaced points and rotating relative to the thread supplies to actuate each needle to operate on more than one of said thread supplies.

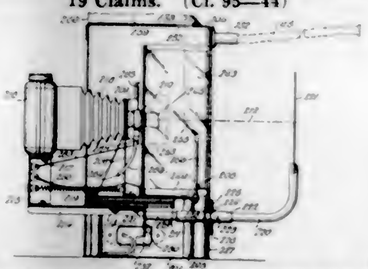
2,239,379

SELF-FOCUSING AND ILLUMINATING DEVICE FOR PHOTOGRAPHIC CAMERAS

Gustav Bucky, New York, N. Y.

Application January 12, 1940, Serial No. 313,515

19 Claims. (Cl. 95—44)



1. A focusing device for a photographic camera including an objective part and a holder part for an element having a light-sensitive surface wherein one of said parts is movable relatively to the other one in the direction of the objective axis, comprising a detachable member extending generally in the direction of said axis when in operative position, said member having one portion adapted to be attached to said other camera part, a second portion adapted to shift said movable camera part into a predetermined relative position co-incidentally with the attachment of said member, and a third portion projecting forward from said objective a predetermined length and being determinative of an area in focal relation to said camera parts.

2,239,380

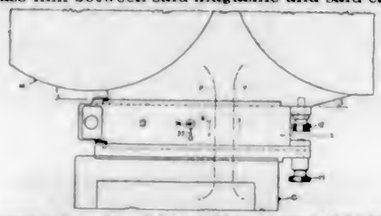
SLATING DEVICE

Daniel Bryan Clark and Grover Laube, Los Angeles, Calif., assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York

Application January 16, 1940, Serial No. 314,058

8 Claims. (Cl. 88—16.8)

1. A slating device for motion picture cameras comprising a casing adapted to be inserted between the camera case and the magazine of said camera, a partition in said casing forming two compartments therein, means for inserting slating indicia into one of said compartments, means for illuminating said indicia, there being a passageway through the other of said compartments to pass film between said magazine and said cam-



era case, a lens in said partition arranged to focus said indicia upon the film in said passageway, a rotatable refracting element mounted between said lens and film adapted upon rotation to deflect the image of said indicia upon said film in the direction of movement of said film, and means for rotating said refracting element to deflect said image synchronously with the movement of said film.

2,239,381

MOLD FOR MAKING HOLLOW CAST METAL VALVES

Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio

Application March 16, 1939, Serial No. 262,091

2 Claims. (Cl. 22—152)

2. A mold for the simultaneous casting of a plurality of hollow poppet valves which comprises complementary mold sections defining an open-ended core suspension cavity adapted to snugly receive the stem ends of poppet valve shaped cores to firmly hold the same in cantilever fashion, said mold sections also defining a pair of poppet valve shaped molding cavities extending radially outward from the suspension cavity, gate cavities between the suspension cavity and molding cavities, and a common pour hole for the gate cavities.

2,239,382

CURTAIN DRYING RACK

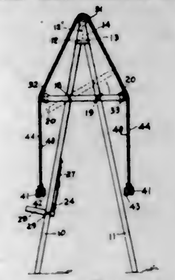
Martin E. Decker, Cortland, N. Y.

Application March 29, 1939, Serial No. 264,680

6 Claims. (Cl. 45—24)

1. A curtain drying rack comprising laterally spaced frame components each including a pair

of legs whose corresponding terminal regions are pivotally connected by bracket plate means having a trunnion socket, foldable interconnecting strut means of the jointed type retaining said frame components in erect position, a top roller mounted in said sockets, mated cross bars respectively disposed to bridge the legs of each frame component intermediate the length of the



legs thereof, the respective end regions of each such bar being provided with a trunnion socket, and an auxiliary roller mounted between each pair of corresponding bar sockets to freely rotate therein in either direction, the respective rollers being disposed in substantial axial parallelism with the top roller in triangular endwise relationship.

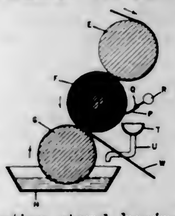
2,239,383

CLEARING OF ROLLS

Pierre Drewsen, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio

Application March 20, 1939, Serial No. 262,956

4 Claims. (Cl. 91—51)



1. In a printing stand having a bottom roll dipping into an ink fountain, an intermediate roll pressing thereon and a top roll pressing on said intermediate roll, adapted to ink a web running between the bites of all said rolls, means for removing ink from the arc of said intermediate roll not covered by said web, said means comprising a doctor blade bearing upon said arc.

2,239,384

SUCTION NOZZLE

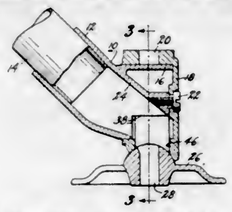
Erik Oskar Helge Hansson, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application March 12, 1936, Serial No. 68,395

In Germany March 12, 1935

12 Claims. (Cl. 15—156)

1. In a suction cleaning device, a hollow member adapted to be connected to a rigid handle, and elongated nozzle structure carried by said member in substantially air-tight relation therewith, said structure being rotatable with respect to said member through a limited arc about a first axis parallel to the lengthwise extent of said structure and continuously rotatable with respect to said member about a second axis at right angles



to said first axis and to the lengthwise extent of said structure.

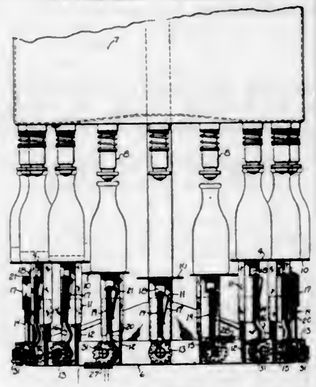
2,239,385

BOTTLE FILLING MACHINE

Herman A. Harder, Milwaukee, Wis.

Application August 18, 1939, Serial No. 290,760

13 Claims. (Cl. 226—96)



2. In a bottle filling machine: a bottle supporting platform; means for moving the platform along a defined path; said platform being vertically movable to carry a bottle to and from filling position; a rotatable wheel member movable with the platform; a connection between said wheel member and the platform, whereby rotation of the wheel member raises and lowers the platform; and a pair of stationary members mounted one below and the other above the wheel member, each having surfaces adapted for rolling engagement with the periphery of the rotatable wheel member as said wheel member moves with the platform for effecting rotation of the wheel member.

2,239,386

METHOD OF PHOTOENGRAVING

Thorie N. Hoglund, Des Moines, Iowa

Application June 12, 1939, Serial No. 278,635

4 Claims. (Cl. 95—5.7)

1. A method of photoengraving comprising, the preparing of the surface of a plate with a suitable sensitized covering, the placement of a screened half-tone negative forward of and on the sensitized face of said plate, the passing of light rays through said negative, and on to the sensitized face of said plate, the resensitizing of the face of said plate with a suitable sensitized covering, the replacement of the said negative forward of and on the sensitized face of said plate with the negative slightly shifted from its original position on said plate, the passing of

light rays through said negative and on to the sensitized face of said plate, the washing of said

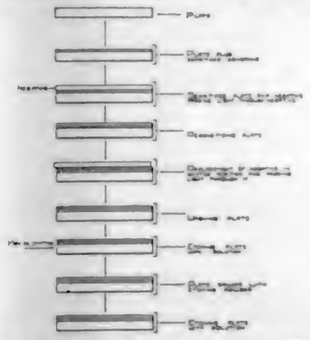
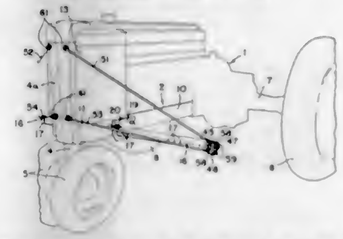


plate and the etching of said plate with a suitable etching solution.

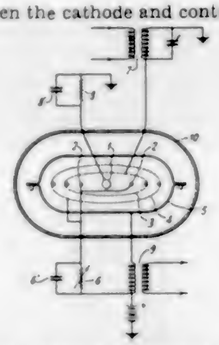
2,239,387
TRACTOR MOUNTED CULTIVATOR
Theodore W. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 8, 1939, Serial No. 293,973
31 Claims. (Cl. 97—47)



2. The combination of a tractor having a generally longitudinally extending frame member, a draft beam extending generally transversely of the tractor and carrying at its inner end an attaching plate member, there being a slot in one of said members, bolt means carried by the other member and adapted to be inserted through said slot and tightened to detachably secure said plate member and said draft beam to the longitudinally extending frame member of the tractor, and cooperating means on said bolt means and the adjacent portion of said one member for preventing movement of one member relative to the other when said bolt means is drawn up against said one member but before said bolt means has been tightened.

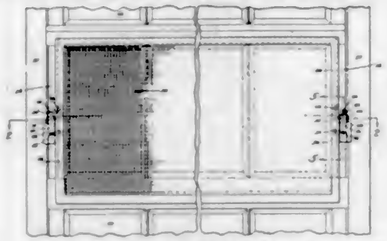
2,239,388
ELECTRON DISCHARGE DEVICE
Johan Lodewijk Hendrik Jonker, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 17, 1938, Serial No. 246,290
In the Netherlands January 8, 1938
4 Claims. (Cl. 179—171)

1. An electron discharge device having an envelope containing a cathode surrounded by a control grid, screen grid and anode, and a pair of rod electrodes parallel to said cathode and positioned between the cathode and control electrode,



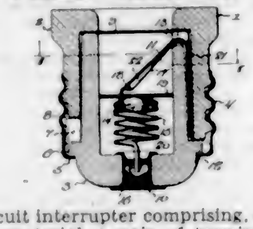
said rods being directly electrically connected to each other and to the screen grid electrode.

2,239,389
WINDOW SCREEN SECURING DEVICE
Louis F. Julien, Detroit, Mich., assignor to Chamberlin Metal Weather Strip Company, Inc., Detroit, Mich., a corporation of Michigan
Application June 13, 1938, Serial No. 213,398
12 Claims. (Cl. 292—19)



1. A device for locking a closure member in place over an opening in a wall and comprising, a pair of clamp supports fixed to the wall adjacent and at opposite sides of the opening therein, an arm for and to be lockingly supported by each of said supports and spacedly fixed to the member in accordance with the spacing between said supports, and a restricted opening between the member and each of said arms for providing communication between the inner and outer sides of the member wherethrough a tool is insertable for releasing said arms from said supports.

2,239,390
FUSE
Oscar H. Jung and Paul E. Heffelfinger, Milwaukee, Wis.
Application January 5, 1938, Serial No. 183,489
7 Claims. (Cl. 200—123)



1. A circuit interrupter comprising, a casing of insulating material, a pair of terminals carried

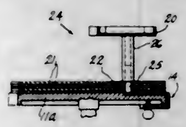
by the casing, a heat generating element of relatively high resistance connected to one of said terminals, a fusible link having one end connected with said heat generating element by a low melting point fusible material and its opposite end connected to the other of said terminals, said link being of lower resistance than said heat generating element and of greater resistance than said low melting point fusible material and a fibre disc located on said strip adjacent said thermal element to form a closed compression chamber within which the thermal element is located.

2,239,391
INSTRUMENT FOR PLAYING SHUFFLE-BOARD
Frederick William Paul Krause, Decatur, Ill.
Application September 5, 1939, Serial No. 293,389
3 Claims. (Cl. 273—129)



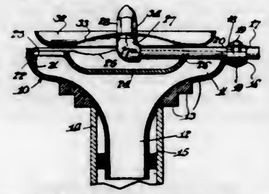
1. An apparatus comprising a forked frame, a stem portion on said frame for the purpose of mounting it in a handle, a brace member on said frame, oppositely disposed ears on said frame, said ears having on their inward face a seat which provides a rest for a detachable member, a substantially rectangularly shaped detachable member adapted for mounting on said ear members, a flat face on one end of said detachable member, said flat face adapted to rest on said seat provided on said ear members, means for fixedly though detachably mounting said detachable members on said ear members.

2,239,392
DENTAL ACCESSORY DEVICE
Nathan D. Levick, New York, N. Y.
Application August 12, 1939, Serial No. 289,779
9 Claims. (Cl. 211—57)



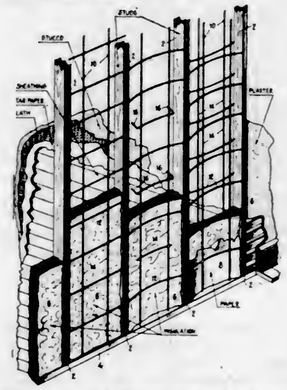
1. A device including a main dental tray having an upright cutting element at the top face of the tray, said element being rigidly affixed to the tray and being located more closely to one edge of the tray than to other edges thereof with the cutting edge facing toward said edge, said tray being adapted to receive a stack of individually removable loose paper sheets perforated to receive the cutting element and to be cut thereby on horizontally pulling a sheet, and an upright tube weighted by an auxiliary tray smaller than the main tray and carried by the tube at its upper end, said tube being removably sleeved over the cutting element and having a lower edge portion adapted to bear down upon said stack at the marginal portions of the perforation to hold the sheets down, said tube being downwardly movable as the stack diminishes to wholly cover the cutting edge.

2,239,393
POULTRY DRINKING FOUNTAIN
William L. Lipman, Washington Crossing, N. J.
Application April 4, 1940, Serial No. 327,754
6 Claims. (Cl. 119—74)



1. A poultry drinking fountain comprising a funnel including a flared body and a diminished neck, the latter adapted to be inserted in a standpipe, a number of homocentric annular enlargements on the exterior of the funnel body providing shoulders, one of which will engage the upper edge of the standpipe into which the funnel neck is projected, an adapter mounted upon said neck for engagement with the interior of the standpipe, a plurality of lugs on the interior of the funnel but below the rim thereof and having channels in their top surfaces, a bowl, radial arms projecting from said bowl resting on said lugs, a clamp element formed with the funnel body, a water pipe resting in said clamp element and a notch in the upper edge of the bowl, said pipe projecting approximately to the center of said bowl, a removable clamp element, fastening devices to attach the removable clamp element to the first mentioned one and thereby secure the water pipe in place, an upturned L-fitting on the inner end of said water pipe, a nipple carried by said L-fitting, a saucer having a pressed-up apertured central portion fitting over the nipple and a nozzle screwed on said nipple to hold the saucer in place.

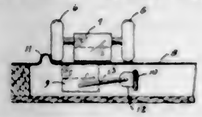
2,239,394
INSULATED STRUCTURE
Harry W. MacKechnie, Northport, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 15, 1937. Serial No. 130,806
7 Claims. (Cl. 20—4)



1. A device for fastening insulating material in sheet or batt form in selected vertical position in a frame, comprising vertical members, horizontal members connected to said vertical members, some of said horizontal members being resilient

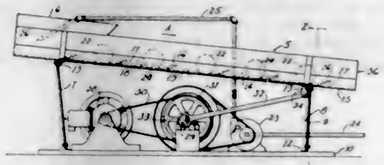
and of greater length than the distance between opposite portions of said frame, so that said vertical members, when positioned in contact with a side face of said material, with said resilient members arched and wedged between said opposite frame portions, are enabled to wedge said material in position, said arched members acting to indent said material sufficiently to vertically support the same, and others of said horizontal members being bent at their extremities so as to penetrate said material and provide additional vertical support for the material.

2,239,395
VEHICULAR SYSTEM
Marion Mallory, Detroit, Mich.
Application April 14, 1939, Serial No. 267,949
3 Claims. (Cl. 104—148)



1. A vehicular system comprising a curved road, a wheeled vehicle arranged to travel along said road, a rail running along the said road, means responsive to magnetic attraction carried by the said vehicle, a magnetic drive for said vehicle arranged to travel beneath the road for attracting the said magnet responsive means and driving the vehicle along the road guided by said rail, said magnetic drive being located with respect to the magnet responsive means and said rail so that a forward wheel of the vehicle hugs the rail at all times as it travels along the said road.

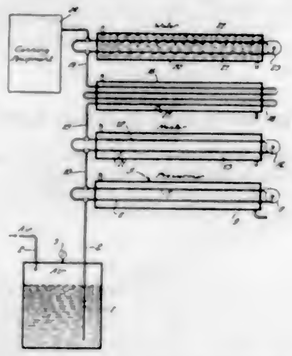
2,239,396
SLUICE
Roy M. Mowry, Huntington Park, Calif.
Application December 14, 1938, Serial No. 245,565
4 Claims. (Cl. 209—197)



1. A sluice comprising an inclined trough, riffles successively arranged down the trough, the riffles being arranged at an acute angle to the trough bottom, to provide recesses thereunder, tracks arranged in the trough bottom between the riffles and extending in the direction of the inclination of the trough, balls loosely supported on the tracks, and means to vibrate the trough longitudinally with respect to the inclination of the trough.

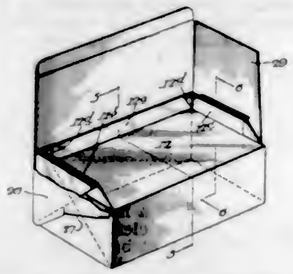
2,239,397
STERILIZATION OF FOOD PRODUCTS
Gerald C. North, Evanston, and Virgil C. Stebnitz and Alvin J. Alton, Chicago, Ill., assignors to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware
Application January 19, 1939, Serial No. 251,662
4 Claims. (Cl. 99—212)

1. A method of sterilizing fluid food products by heat which comprises placing the fluid under a pressure sufficient to prevent boiling at the heating surface at the point of highest temperature, forewarming the fluid in a heated conduit of relatively low temperature, then increasing the temperature of the fluid by rapidly circulating the fluid around a loop in said conduit which is held at sterilizing temperature and gradually introducing the fluid into the loop at one point in



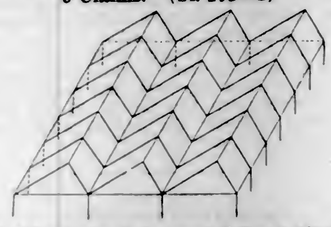
the loop and discharging the fluid from the loop at another point in the loop at a rate which is substantially less than the rate at which the fluid circulates in the loop, thereafter holding the fluid at sterilizing temperature for a definite period by passing the same through a portion of said conduit which is held at sterilizing temperature, and thereafter cooling the fluid.

2,239,398
PACKAGING
Frank D. Palmer, Chicago, Ill., assignor to Kraft Cheese Company, a corporation of Delaware
Application March 18, 1939, Serial No. 262,606
8 Claims. (Cl. 229—14)



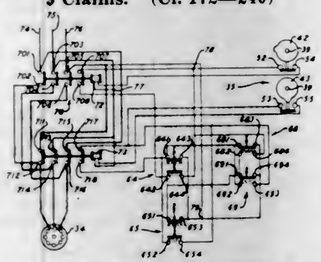
1. In a substantially rectangular package of the class described, a wrapper of impervious sheet material comprising a main body portion adapted to be folded to provide bottom and side wall portions, a cover-forming portion, and continuous, narrow, marginal extensions from the free edges of said cover and side wall portions, the marginal extensions from said cover portion being adapted to be folded to angular relation to said cover portion and positioned in face-to-face relation to said marginal extensions from said side wall portions, and said face-to-face portions being foldable inwardly over the cover portion to close the package.

2,239,399
CONSTRUCTION OF ROOFS OF BUILDINGS AND THE LIKE
Anant Hiralal Pandya, Westminster, London, England
Application March 17, 1939, Serial No. 262,346
In Great Britain March 23, 1938
5 Claims. (Cl. 108—1)



1. A ridged structure comprising a plurality of parallel, continuous cranked beams located substantially in vertical planes and being rigid across their cranking points, booms disposed at right angles to said vertical planes along and rigidly secured to the aligned ends and cranking points, respectively, of said beams, a tie for each of the two outermost cranked beams, each tie connecting the two ends of one of said outermost beams, and supports at the ends of all said cranked beams.

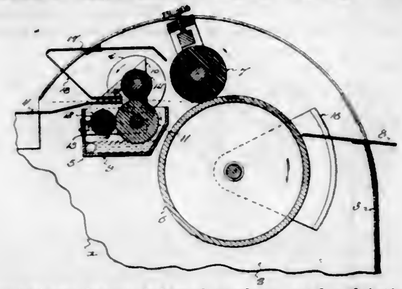
2,239,400
CONTROL APPARATUS
Samuel Pitt, Westfield, and Lester O. Reichelt, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application October 8, 1937, Serial No. 168,030. Divided and this application April 7, 1938, Serial No. 200,668
5 Claims. (Cl. 172—240)



1. A control apparatus comprising a reversible electric motor, separate means actuable to cause energization of the motor in forward and reverse motion, means to stop either motion of the motor a variable length of time after it has been energized including a pair of movable switch elements driven by the motor, and means to vary the relative positions of the switch elements equally relative to a neutral point to vary the energized period of the motor in either motion.

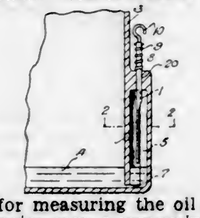
2,239,401
ROTARY DUPLICATING MACHINE
Roscoe R. Rockhill, Milwaukee, Wis.
Application December 6, 1939, Serial No. 307,843
2 Claims. (Cl. 91—51)

1. In a duplicating machine of the class described, a sheet moistening mechanism comprising, a fluid trough, a moistening roll of hard, smooth material positioned in said trough and partially submerged in the fluid, a squeegee roll engaging said moistening roll and formed of yieldable impervious material having minute



pockets in its peripheral surface, and a frictional roller engaging said moistening roll for feeding sheets over the same.

2,239,402
LIQUID LEVEL INDICATING IMPLEMENT FOR TANKS
Erich G. Sachs, New York, N. Y.
Application August 25, 1938, Serial No. 226,786
In Germany August 26, 1937
1 Claim. (Cl. 33—126.7)

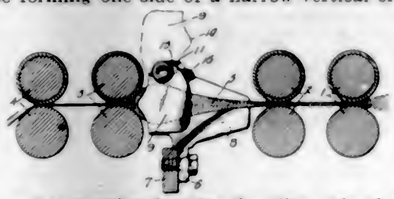


In a device for measuring the oil level in the crank case of motor cars, a measuring stick having a handle and a measuring portion adapted to be inserted into said crank case and provided with marks at its lower end, which marks serve to indicate the distance to which the stick is wetted when dipped into the oil in the crank case, a narrow protective compartment for said stick extending in the crank case from a hole in the crank case downwards at least to the lowest oil level to be measured, said compartment being open at both of its ends and normally enclosing said measuring portion of said measuring stick, and supporting means for releasably suspending said measuring stick, when not in use, in said compartment in a position raised above its lowest, measuring position, the lower end of said measuring portion being above the lower end of said compartment when said stick is in said raised position, the measuring portion being partly wetted by the oil in the crank case when the stick is lowered from said raised position to a lowest, measuring position, said stick being also completely withdrawable from the crank case for inspection of the wetting thereof.

2,239,403
SLIVER GUIDE
Otto W. Schlums, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application April 10, 1939, Serial No. 267,057
14 Claims. (Cl. 19—157)

1. A sliver guide adapted for location between first and second drafting roll-sets for quarter-turn-

ing a flattened sliver from the first set to an edgewise entry into the second set, comprising a fixed member formed with a smooth face suited for conducting the sliver in its flattened form, said face forming one side of a narrow vertical crevice, a gate member forming the other side of said crevice adapted to open up the crevice-forming face of the fixed member, said gate being pivoted on a horizontal axis extending crosswise of the sliver so that it closes in the direction of sliver travel.



2,239,404

FISH LURE

William Slepica, Seattle, Wash.

Application July 28, 1939, Serial No. 287,155
4 Claims. (Cl. 43—46)



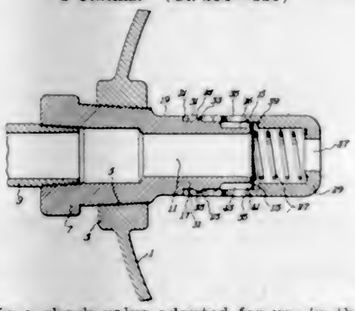
1. In a fish lure, in combination, a plug body having a vertical bore in the belly portion and a horizontal bore in the tail portion, a wire snood carried in traversing relation to said belly bore diagonally through the body of the plug from the tail bore to the upper limits of the head and providing a line tie at its forward end, a hook-carrying swivel fitted in the tail bore and engaging the rear end of the snood, and a hook-carrying swivel fitted in the belly bore and characterized in that the same provides an eye at each end of which the upper eye receives the snood therethrough and the lower eye engages the hook.

2,239,405

CHECK VALVE

August M. Stenger, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application April 21, 1939, Serial No. 269,122
2 Claims. (Cl. 251—119)



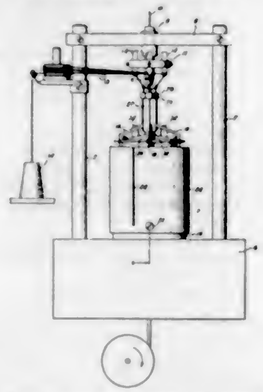
1. In a check valve adapted for use in the receiver tank of a fluid compressor, the combination of a valve body adapted to be secured in the receiver, a seat on the body, a round metal diaphragm valve to rest on the seat, a split cap having a round inner wall to guide movement of the valve, a ferrule on the body, a recess on the cap to coact with the ferrule and hold the cap on the body, a spring between the diaphragm valve and cap to normally maintain the diaphragm valve on its seat, apertures in the cap arranged below the seat when the cap is on the body to enable fluid flowing by the valve seat when the diaphragm valve is open to flow from said cap, and a port in the cap arranged above the diaphragm valve when the cap is on the body to enable fluid to enter the cap to hold the diaphragm valve on the seat.

2,239,406

KNITTING MACHINE

Clyde N. Stover, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 1, 1938, Serial No. 227,942
11 Claims. (Cl. 66—9)



1. In a knitting machine, a needle carrier, needles carried thereby, an actuating element connected to move one of the needles in one direction, and a member connected to the element for movement thereby in another direction to cause movement of another of the needles in the same direction with the first moved needle.

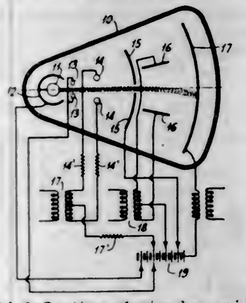
2,239,407

ELECTRON BEAM TUBE

Herbert M. Wagner, Kearny, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application August 30, 1938, Serial No. 227,446
9 Claims. (Cl. 250—27.5)

9. An electron discharge device for utilizing phase angular displacement of electrical conditions in different circuits and having a cathode for emitting electrons, means for forming said electrons into a beam, an output electrode for receiving said electrons, a pair of apertured electrodes with their apertures in alignment positioned between said cathode and said output electrode, a pair of deflecting electrodes positioned between the cathode and the first apertured electrode, and a second pair of deflecting electrodes positioned between said apertured electrodes whereby said beam is subjected to two deflecting forces in its passage from the cathode to the output electrode, said deflecting electrodes being parallel and deflecting the electron beam in the same plane, a source of voltage, an output circuit connected to said output electrode and said source of voltage, and another output circuit connected between said second apertured electrode and said source of voltage and separate input circuits connected to each of said



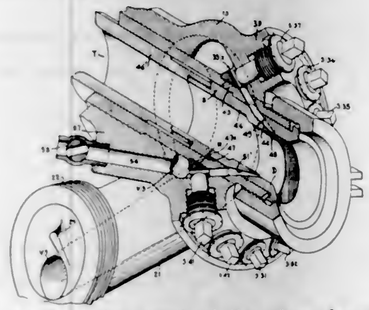
pairs of said deflecting electrodes, said deflecting electrodes and apertured electrodes being connected to said source of voltage, the voltages to which said various electrodes are biased increasing in a positive direction from said cathode to said output electrode, said electron discharge device having no other deflecting electrodes positioned between the output electrode and said pairs of deflecting electrodes.

2,239,408

TUBER FOR PLASTIC MATERIALS

Archibald L. Wallace, Northport, N. Y., assignor, by mesne assignments, of one-half to Archibald L. Wallace and one-half to Cherryfield Corporation, a corporation of Delaware

Application June 7, 1937, Serial No. 146,845
12 Claims. (Cl. 18—13)



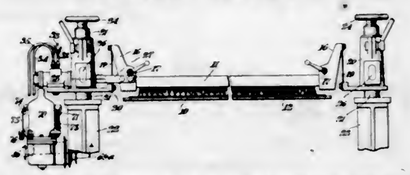
1. An extrusion head of the class described, said head comprising a body having a throat adapted to receive movably a tube to be provided with a sheath, said throat having an extrusion orifice, a manifold including a main channel formed in said body circumjacent to said throat and a plurality of branch ducts connecting said main channel and said orifice for feeding plastic sheathing material around said tube and means, located in the branch ducts connecting the main channel with the extrusion orifice and at each of a plurality of circumferentially displaced points, for regulating the relative flow of material, each of said circumferentially displaced regulating means being operable independently of the others.

2,239,409

BRUSH SUPPORTING AND VIBRATING MECHANISM FOR WEB-COATING MACHINES

Morgan L. Woodruff, Wilmette, Ill., and Lynn B. Case, Charles A. Dickhaut, and John Kupka, New Brunswick, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey

Application June 21, 1939, Serial No. 280,226
18 Claims. (Cl. 91—37)



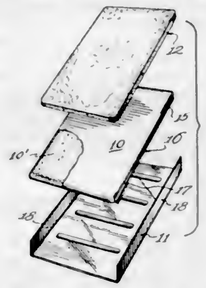
1. A device of the character described comprising a pair of parallel resilient members fixed at corresponding ends, a bracket attached to the free end of each member and extending obliquely therefrom toward the other bracket, a brush having its ends connected to said brackets, and means attached to one end of said brush to effect vibration thereof.

2,239,410

METHOD AND MEANS OF PRODUCING HEAT BY EXOTHERMIC REACTION

Harry Bonat, New York, N. Y.

Application October 11, 1939, Serial No. 298,874
10 Claims. (Cl. 132—36.2)



1. A permanent waving pad for imparting a wave to a pre-formed tress of hair by means of the heat of an exothermic chemical reaction, said pad containing a permanganate adapted to enter into said exothermic chemical reaction, and a glycerol in solution for reaction with said permanganate, the amount of heat produced by said chemical reaction being controlled by applying said glycerol to said permanganate in a pre-proportioned solution thereof.

2,239,411

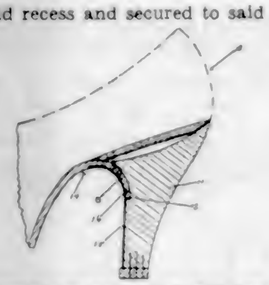
SHOE STRUCTURE

Salvatore Cangemi, New York, N. Y.

Application September 2, 1939, Serial No. 293,262
3 Claims. (Cl. 36—24.5)

1. In a woman's shoe of the class described, the combination of a heel having in its breast a recess extending from the top of the heel part way down the breast, and an outsole split at its heel portion into a heel breast flap and a tab of greater and substantially uniform thickness re-

celved in said recess and secured to said heel to



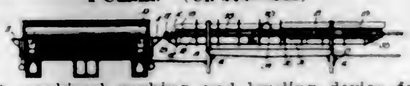
provide a strong connection of said heel to the rest of the shoe.

2,239,412

DECARBONIZER FOR COKE OVENS

Maurice D. Curran, Glendale, Mo., assignor to Tar & Petroleum Process Company, Chicago, Ill., a corporation of Illinois

Application August 8, 1938, Serial No. 223,592
1 Claim. (Cl. 202—241)



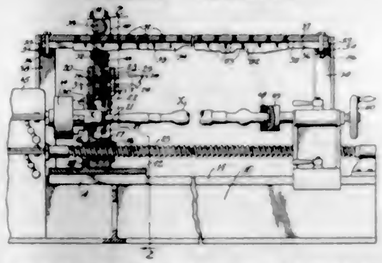
A combined pushing and leveling device for use with coke ovens comprising a leveling bar assembly, means for moving said assembly, a pusher bar assembly arranged to be connected to said leveling bar assembly to operate in unison with said leveling bar assembly but being separable from said leveling bar assembly, and air delivery means connected to move with said pusher bar assembly.

2,239,413

AUTOMATIC LATHE

Clarence L. Dewey, Elkhart, Ind.

Application January 3, 1939, Serial No. 248,934
6 Claims. (Cl. 82—14)



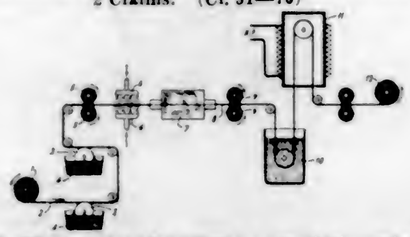
1. In a lathe, the combination of a work holder and means for rotating the same, a carriage and means for moving the carriage longitudinally with respect to the axis of the work, a plurality of radially extending members carried by the carriage, a tool holder slidably mounted for radial movement with respect to the axis of the work upon each of said members, and a tool carried by each of said tool holders, the respective tools extending inwardly in progressively greater degree toward the axis of the work and standing in a progressive sequence longitudinally of the work to cut into the surface of the work in stepped relation to the point of greatest depth of cut, and an elongated configured template extending parallel to the axis of the work and associated with each of the tool holders and having coacting relation therewith to move each individual tool holder radially in conformity with a predetermined sequence of movements, and to maintain the respective tools in the desired progressively increasing approach toward the axis of the work.

2,239,414

COATING METAL WITH GRAPHITIC CARBON

Clifford Eddison, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application August 30, 1938, Serial No. 227,478
2 Claims. (Cl. 91—70)



1. The process of applying a graphitic carbon coating to metal comprising applying to the surface of the metal a layer of fine particles of graphitic carbon mixed with an oleaginous binder, decomposing the binder above room temperature and below visible red heat of the metal, and heating said coated metal to decompose said binder and vaporize its volatile constituents, brushing the metal to remove loose particles, and then submerging the metal in a non-aqueous liquid suspension of graphitic carbon particles in a nitrocellulose bath and heating said metal in air at about 200° C. to remove the binder of said liquid.

2,239,415

RAZOR HANDLE

Sol Edelheit, New York, and Richard F. Landwehr, Laurelton, Long Island, N. Y.

Application December 8, 1937, Serial No. 178,713
12 Claims. (Cl. 30—85)



1. In a safety razor comprising a razor head assembly, a hollow handle therefor having a hand gripping section and means comprising a substantially rigid rod extending into the handle, one end whereof serves for mounting the said head in relation to the hand gripping section so

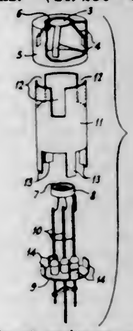
that the said head and handle have a free and controlled resilient movement in relation to each other about a fixed pivotal point located near the extreme end of the handle to have a constant radius from a point near the end of the handle which determines the arc of movement of said head without material change in the shaving angle of said head, said resilient movement being controlled by a member positioned between said rod and handle, said pivotal point being formed by a bearing seat adjacent the bottom of said handle on which rests the lower end of said rod extending into the handle.

2,239,416

CATHODE FOR ELECTRON DISCHARGE DEVICES

Werner Ehrenberg, Hayes, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application January 24, 1940, Serial No. 315,375
In Great Britain January 25, 1939
5 Claims. (Cl. 250—27.5)



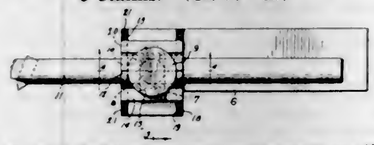
5. A self-contained unitary cathode assembly comprising a support base, a plurality of current carrying leads extending through and insulatingly supported by said base, a filamentary electron emitter supported by said leads, a shield surrounding said emitter to direct electrons therefrom in a direction away from said base, a metal plate adapted to emit electrons when bombarded by electrons from said emitter, said plate having at least three integral tabs for support thereof, an apertured disc and a flange member surrounding said metal plate, the said tabs being bent from the plane of said metal plate and affixed to said flange member, and a tubular shield affixed to said support base at one end and to said flange member at the opposite end thereof and abutting said apertured disc to accurately space said disc and said metal plate from said emitter.

2,239,417

ADJUSTABLE BORING TOOL

John Henry Filburn, Detroit, Mich.

Application December 26, 1939, Serial No. 311,047
3 Claims. (Cl. 77—55)



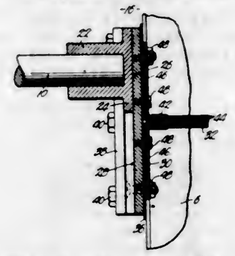
1. A tool holder comprising a comparatively long rectangular body member, adapted to be held in the tool post of a lathe, an angular leg on said body member, a block adjustably positioned on said leg, a V groove in said block arranged parallel to the longitudinal axis of said body member, and a bar holder element adapted to hold a boring bar in said V groove, the said angular leg being provided with a longitudinal slot, the said block being provided with a substantially large central bore, and the said bar holder element being adapted to extend through the said bore in said block and the said slot in said angular leg.

2,239,418

ADJUSTABLE ELECTRODE BRACKET FOR WELDING MACHINES

Joseph A. Fotie, Kansas City, Mo.

Application July 1, 1940, Serial No. 343,412
5 Claims. (Cl. 219—4)



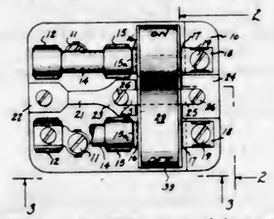
5. In a welding machine of the character described, a casing, stationary and adjustable electrode carrying horns supported by the casing, the support of the adjustable horn comprising a base plate mounted on the casing, a bearing on the horn slidable on the base plate, current conductors for supplying current to the respective horns, the conductor supplying current to the adjustable horn having a connection to the base plate, said connection comprising an enlargement in the surface area of the conductor and adapted to furnish current uniformly to the base plate and adjustable horn in any of its adjusted positions.

2,239,419

SWITCH BLOCK AND SWITCH

William H. Frank, Detroit, Mich.

Application May 20, 1938, Serial No. 209,027
2 Claims. (Cl. 200—154)



1. A double pole switch comprising a base having two laterally spaced pairs of stationary contacts, each pair comprising two longitudinally spaced stationary contacts having their contact surfaces arranged to extend horizontally, and a vertically arranged manually actuable plate extending laterally from one pair to the other, and disposed between one stationary contact of each of the two pairs and the other stationary contact of each of the two pairs, the plate having two movable contacts, each arranged for engaging

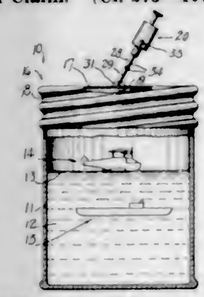
and bridging the stationary contacts of a pair when alined therewith, the engaging surfaces of the movable contact extending horizontally and longitudinally in opposite directions away from the plate a considerable distance, means journalling the plate so that it may be rotated on a longitudinally extending horizontal axis to move its contacts laterally so as to align them with the pairs of stationary contacts, for circuit closing, or to withdraw them from the pairs of stationary contacts for circuit opening, springs on the plates for biasing the movable contacts radially away from the axis of rotation of the plate towards the stationary contacts, and a leaf spring for retaining the plate in the position it happens to occupy and for imparting snap movement to the plate into the other position thereof when the plate is moved manually towards such other position.

2,239,420

AMUSEMENT GAME

Morris L. Goldberg, Kiamesha, N. Y.

Application October 7, 1940, Serial No. 359,985
1 Claim. (Cl. 273—101)



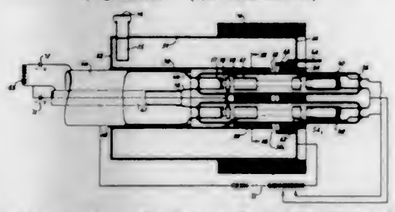
A game apparatus including a container having a body of liquid therein, a submarine-simulating target submerged in the liquid and freely floating above the bottom thereof, means for downwardly discharging a projectile upon the target, and means mounting the discharging means at the top of the container for pivotal movement at a fixed point to permit the projectile to be discharged at different angles on the target to sink or upset the same, with the liquid thus forming a variable obstruction for the projectile.

2,239,421

ELECTRON DISCHARGE DEVICE

Andrew V. Haeff, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 9, 1940, Serial No. 323,072
5 Claims. (Cl. 250—27.5)



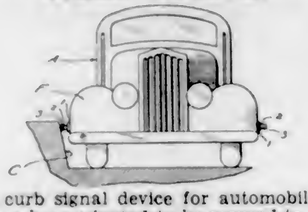
1. An electron discharge device having a tank circuit including a pair of coaxial tubular members spaced axially from each other to provide a gap between said coaxial tubular members, each of said coaxial tubular members having a plurality of adjacent cellular passages extending therethrough, the passages in one tubular member registering with the passages in the other tubular member, means for projecting a beam of electrons axially of each of said cellular passages across said gap, electrode means for simultaneously modulating all of said beams of electrons prior to their passage across said gap and means for collecting the electron beams after their passage across said gap.

2,239,422

CURB SIGNAL FOR AUTOMOBILES

Yoshio Hayashi, Los Angeles, Calif.

Application April 19, 1940, Serial No. 330,511
6 Claims. (Cl. 116—28)



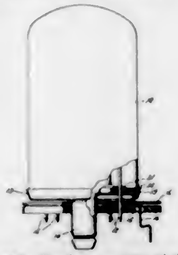
1. A curb signal device for automobiles, comprising, a base adapted to be secured to a fender or other portion of an automobile, a soft rubber projection carried by said base so as to extend outwardly from the fender or part of the automobile to which the base is secured, and a metal cap fixed on and covering the outer end of said projection for engaging a curb, wall or the like in advance of the part to which the base is secured, whereby to produce a scraping sound as a warning signal when parking or driving the automobile adjacent said curb, wall or the like.

2,239,423

IRON-GLASS SEAL HAVING NICKEL-IRON CONTACT PRONGS

Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 7, 1939, Serial No. 266,603
3 Claims. (Cl. 250—27.5)



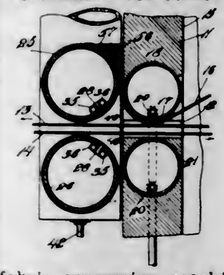
1. An electrical device comprising an enclosure which includes a wall portion constituted of a low carbon steel and having an opening therein, the said opening being sealed by a body of a glass which has substantially the expansion characteristics of said steel throughout the range of temperatures normally encountered in the operation of the device and which is fused directly to the said iron wall portion, and a lead-in conductor extending into the said enclosure through the said body of glass and in sealing relation with the glass, the said conductor being constituted of an alloy of from 70 to 80 per cent nickel with remainder iron and the externally projecting portion of the conductor being shaped to serve as a contact prong.

2,239,424

SEAL FOR FABRIC PROCESSING MACHINES

Henry H. Iler, Greenville, S. C., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass., a corporation of the United States

Application April 30, 1938, Serial No. 205,219
3 Claims. (Cl. 68—5)



2. In a fabric processing machine having a working chamber formed by enclosing walls, one of said walls having an opening therein through which the web of fabric passes, a hollow collector member provided with a slot disposed adjacent to but out of contact with the work and in close proximity to said opening, means to cause the gases adjacent the work and said opening to be picked up by said member, and means to rotatably mount said member to position said slot in different positions relative to said work.

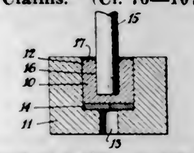
3. In a fabric processing machine, a working chamber formed by enclosing walls, one of said walls having an opening therein through which the web of fabric passes, a collector member outwardly of and adjacent said opening and a trough adjacent said opening consisting of sheet material extending through the wall and inwardly thereof for collecting drip on the inner surface of said wall and extending outwardly of the wall and engaging the collector member in a sealing manner, means providing a seal between the trough and the wall exterior of the wall, and heating means in said trough for evaporating the drip collected.

2,239,425

METHOD OF MAKING DRAWING DIES

Leslie C. Jacobson, Darien, Conn., assignor to Carboloy Company, Inc., Detroit, Mich., a corporation of New York

Application December 16, 1937, Serial No. 180,080
8 Claims. (Cl. 76—107)



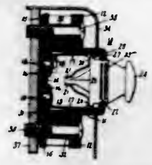
1. The method of making a drawing die, comprising heating a slug of casing material to a forging temperature, hot-forging a recess therein to form a cup-shaped casing while limiting lateral expansion of the casing material, positioning a hard metallic nib in said recess and cooling the cup-shaped casing about said nib to thereby place the nib under high compression.

2,239,426

ELECTRIC SWITCH

Donald G. Kimball, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application April 19, 1939, Serial No. 268,737
2 Claims. (Cl. 200—159)



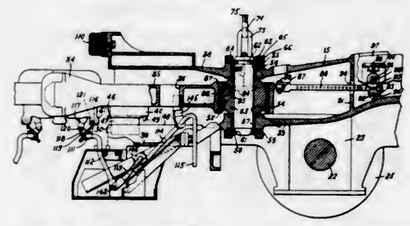
1. In an electric switch, a base of insulating material having a recess therein and an opening extending through the bottom of the recess, a supporting plate of insulating material closing said recess, flexible spring contact arms within the recess, one end of each arm being secured to said insulating plate, the other end of each arm being bent in the form of a loop with the looped end folded back toward the plate to form a contact surface, the contact surfaces thus formed being normally biased into engagement with each other, a plunger within the recess having an insulating projection adapted to be moved between said contact surfaces and a handle extending through said opening, said plunger being provided with means engaging the wall of said recess to limit movement of said plunger as the handle is moved outwardly, inward movement of said plunger being limited by engagement of the plunger with the looped portions of the contact element.

2,239,427

UNCOUPLING DEVICE

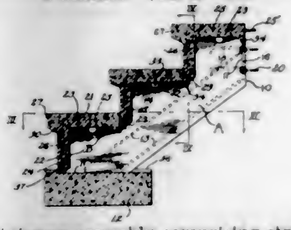
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application September 26, 1939, Serial No. 296,585
5 Claims. (Cl. 213—163)



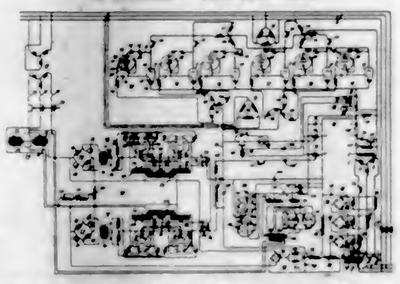
1. In a railway vehicle, a retractable coupler, and a knuckle lock operating mechanism including a lock lifter, a first member pivotally connected to said lock lifter, a second member pivotally connected to said first member, means for pivotally mounting said second member on the railway vehicle, and means including a third member having a portion intermediate the ends thereof constructed and arranged for engagement with said second member intermediate the ends thereof and arranged to actuate said second member about its mounting upon pivotal movement of said third member into engagement with said second member for lifting said lock lifter by said first member, said first member also being removably connected to said lock lifter for permitting disengagement therebetween during retraction of said coupler.

2,239,428
STAIR STRUCTURE
Henry A. Michaud and James A. Michaud, Hodge, La.
Application January 18, 1940, Serial No. 314,424
4 Claims. (Cl. 72—96)



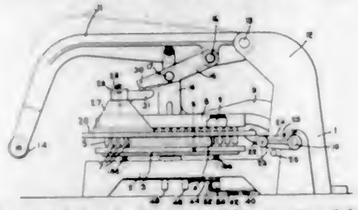
1. A stairway assembly comprising stringer elements of reinforced concrete and presenting tread and riser surfaces, integral step units of reinforced concrete each comprising a tread element and a downwardly extending riser element for application to the tread and riser surfaces of said stringers, said tread elements at their ends having depending tongues and said stringers having grooves for receiving said tongues whereby said step units will be held against forward displacement on said stringers, a reinforcing rib on the underside of each tread element adjacent the rear edge thereof and extending between the inner sides of the stringers, said tread elements at their outer ends having depending portions engaging with the outer sides of said stringers and cooperating with said reinforcing ribs to hold said step units against lateral displacement on said stringers, and metal brackets permanently rigidly anchored to the upper ends of said stringers for attachment to a support to which the stair assembly is to be applied.

2,239,429
ELECTRIC REGULATING SYSTEM
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 17, 1938, Serial No. 196,456
29 Claims. (Cl. 172—246)



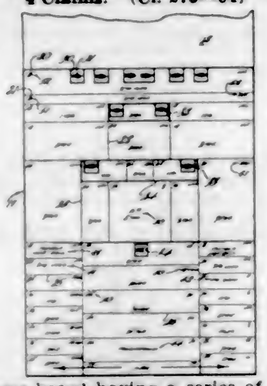
22. In combination, an alternating current circuit, a synchronous condenser having an armature winding connected to said circuit and having a field winding, electric valve apparatus connected between said circuit and said field winding for transmitting variable amounts of unidirectional current thereto in accordance with the voltage of said alternating current circuit, a control circuit for said electric valve apparatus comprising an electric valve having an anode, a cathode and a control member, means for energizing the control member to vary the energization of said field winding in accordance with the voltage of said alternating current circuit within a predetermined range of said voltage, and means for energizing the control member to excite said electric valve translating apparatus as an inverter for transmitting energy from said field winding to said alternating current circuit when the voltage of said alternating current suddenly decreases below the lower limit of said range.

2,239,430
MEAT-TENDERING MACHINE
Joseph P. Spang, Quincy, Mass., assignor to Cube Steak Machine Company, Inc., Boston, Mass., a corporation of Massachusetts
Application August 6, 1938, Serial No. 223,440
10 Claims. (Cl. 17—25)



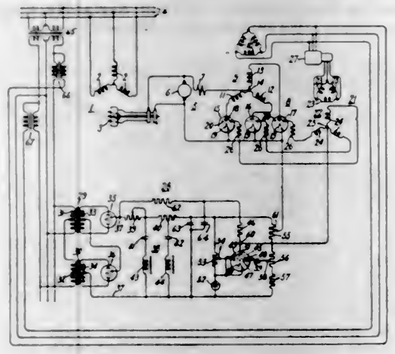
1. A meat-tendering machine comprising a frame having a supporting bed, a meat-supporting turntable rotatively mounted on the bed, a knife-carrying member supported by the frame and movable toward and from the turntable, a plurality of knives carried by the knife-carrying member, means to give the knife-carrying member its movement toward and from the turntable, and means actuated by successive movements of said knife-carrying member away from the turntable to give turning movement thereto first in one direction and then in the other direction.

2,239,431
GAME
Hazel G. Shepherd, Los Angeles, Calif.
Application September 14, 1939, Serial No. 294,834
4 Claims. (Cl. 273—94)



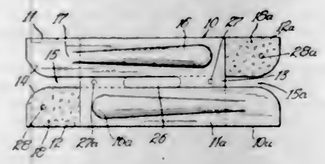
1. A game board having a series of transverse and longitudinal rulings defining a plurality of various sized areas, a plurality of score indicia marked on each area with identifying means referring to a play elected by a player, a plurality of markings to locate front line pawns positioned adjacent one end of the board and to locate backfield pawns remote therefrom whereby a projectile may enter the board between the pawns or on each side of the end pawns or by displacing the pawns, the projectile being adapted to come to rest on any one of the areas.

2,239,432
EXCITATION CIRCUIT FOR DYNAMO-ELECTRIC MACHINES
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 12, 1939, Serial No. 284,036
10 Claims. (Cl. 171—119)



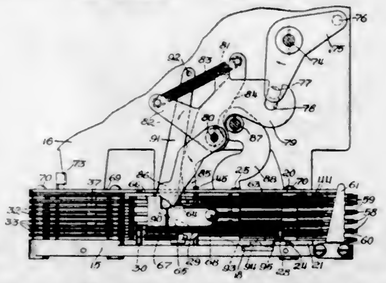
1. In combination, a dynamoelectric machine having a field winding, an exciter for energizing said field winding, a sub-exciter comprising an electric value means for supplementing the action of said exciter and comprising a control member for controlling the conductivity thereof, and means for impressing on said control member a voltage variable throughout portions of either the rectifier or inverter control characteristic regions to cause said sub-exciter to operate either as a rectifier or as an inverter variably to energize said field winding to maintain a predetermined electrical condition of said machine at a substantially constant value.

2,239,433
ADJUSTABLE SHIM
Leon F. Urbain, Chicago, Ill.
Application February 10, 1940, Serial No. 318,314
21 Claims. (Cl. 254—104)



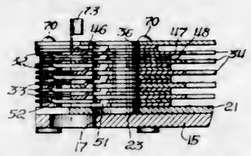
2. A shim comprising a plate including juxtaposed sections of which one is a locking section, and an elongated tapered body upon the other of said sections, said shim being disposable in cooperative relation with a similarly constructed shim and each of said sections thereof being adapted to fit in overlapping relation with the non-corresponding section of such a similar shim during such cooperative relation.

2,239,434
COIN OR CHECK DISPENSER
John C. Wahl, Chicago, Ill., assignor to Lion Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application August 24, 1938, Serial No. 226,437
13 Claims. (Cl. 133—5)



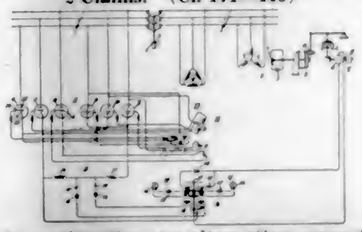
8. A coin dispenser having a base and a stack of slides carried thereon with springs tending to pull same to a coin discharge position, the bottom slide having a post cooperable with the other slides so that when the bottom slide is moved away from discharge position the other slides move therewith to stretch all the springs, means releasably locking the bottom slide, spring power trigger means movable to store energy while bearing against the post with the lower slide locked, means to release the lock and lower slide to cause the trigger means sharply to snap the slides together to a cocked spring stretching position, means to guide the slides and limit their movement, and a bank of spring pulled latch levers carried on the base and respectively cooperating with the slides to hold same releasably in the cocked positions.

2,239,435
COIN OR CHECK DISPENSER
John C. Wahl, Chicago, Ill., assignor to Lion Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Original application August 24, 1938, Serial No. 226,437. Divided and this application June 28, 1939, Serial No. 281,679
11 Claims. (Cl. 133—5)



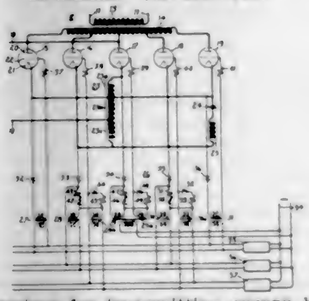
7. A coin dispenser comprising a stack of substantially horizontally disposed slides having head portions with coin holes respectively formed therein in registration to surround a stack of coins, each slide being movable with all slides in the stack therebelow and the head portions being of a thickness to move more than one coin from the stack, each slide head portion excepting the lower slide having on its under side a relief passage of a width equal to at least the diameter of a coin and formed therein and extending from the coin hole in the length of the slide to receive a sheared off coin, and means positioned in the said head portions to extend into the relief passages adjacent the coin holes to resist such shearing off movement of a coin.

2,239,436
FREQUENCY CONTROLLING SYSTEM
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 28, 1938, Serial No. 204,812
2 Claims. (Cl. 171—119)



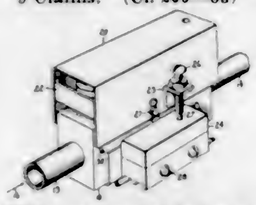
1. In combination, an alternating current circuit, a second alternating current circuit, and a system for controlling the frequency of said second alternating current circuit comprising an electric valve means connected to the first mentioned alternating current circuit and comprising a plurality of arc discharge paths each being of the type employing an ionizable medium and each having an anode and a control member for initiating arc discharges, the anode-cathode circuits of said electric valve means being energized at a frequency determined by the frequency of the first mentioned alternating current circuit, means for impressing on the control members voltages which vary in accordance with the frequency of said second alternating current circuit, an output circuit for said electric valve means including an inductive element, the polarity of the voltage across said inductive element varying in accordance with the difference in the frequencies of the alternating current circuits, a pair of circuits energized in accordance with the voltage appearing across said inductive element and each comprising a unidirectional conducting device for energizing the respective associated circuit in accordance with the polarity of the voltage appearing across said inductive element and an electroresponsive device controlled by said pair of circuits.

2,239,437
ELECTRIC VALVE CONVERTING APPARATUS
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 21, 1939, Serial No. 280,343
18 Claims. (Cl. 175—363)



2. A system for transmitting energy between direct and alternating current circuits comprising an inductive winding provided with a plurality of taps, a plurality of electric valves associated with said taps for transmitting energy between said circuits, means for controlling the conductivity of said valves so that certain of said valves are rendered conductive more than once during a cycle of the alternating current, and a capacitor which is charged and discharged at a frequency which is a harmonic of that of said alternating current circuit for commutating the current between said electric discharge valves.

2,239,438
CONDITION RESPONSIVE DEVICE
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 24, 1939, Serial No. 258,348
9 Claims. (Cl. 200—83)



1. A condition responsive device comprising a base, a pair of condition responsive bellows secured to said base in spaced apart parallel relationship, a U-shaped lever forming a housing for said bellows and pivotally secured to said base between said bellows, the ends of said bellows engaging with said lever and adapted to actuate said lever in accordance with a differential movement of said bellows, a switch unit removably secured to said base, and adjustable means secured to said lever for actuating said switch unit.

2,239,439
DUAL CONTROL PEDAL
Charles R. Crannell, Chicago, Ill.
Application July 17, 1940, Serial No. 345,878
6 Claims. (Cl. 74—478)



1. In an automotive vehicle, the combination with a control pedal and an accelerator in said vehicle, of dual control means comprising a treadle pivoted on said pedal, a rockable member mounted to rock about an axis approximately parallel with that of the treadle and pedal, an oscillable member mounted on said rockable member for movement about an axis parallel with the axis of the latter, means operatively linking said pedal with said rockable member, means operatively linking said treadle with said oscillable member, means operatively linking said oscillable member with said accelerator, the relative angular displacements of said treadle, said pedal, and said rockable and oscillable members effected through the agency of said linking means being such that joint pivotal movement of the treadle and pedal will effect no oscillatory movement of the oscillable member relative to said rockable member, but pivotal movement of the treadle while the pedal remains stationary will effect displacement of the oscillable member to actuate said accelerator.

2,239,440
RESINOUS COMPOSITION PREPARED FROM MALONIC DIAMIDE
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 16, 1937, Serial No. 169,465
13 Claims. (Cl. 260—72)

1. A resinous composition comprising the product of reaction of an aliphatic aldehyde and malonic diamide.

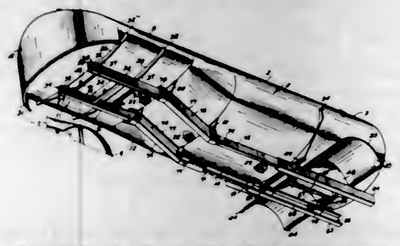
2,239,441
ALDEHYDE REACTION PRODUCTS WITH NITROGEN-CONTAINING METHYLENE COMPOUNDS
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 20, 1940, Serial No. 341,531
20 Claims. (Cl. 260—43)

1. A composition comprising a condensation product of a mixture comprising an aliphatic aldehyde and at least one organic compound having the graphic structure



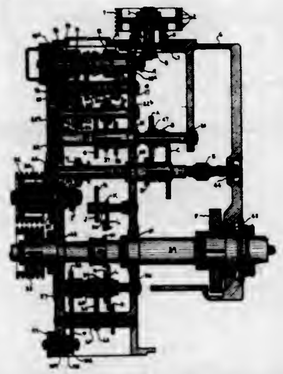
where X is a member of the class consisting of nitrile radicals, and amide and thioamide radicals having at least one hydrogen atom attached directly to the amide nitrogen.

2,239,442
VEHICLE TANK
Otto N. Gredell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application March 20, 1939. Serial No. 262,955
7 Claims. (Cl. 280—5)



1. A vehicle tank of the character described including, an elongated shell, girders extending transversely through the shell in the front and rear ends thereof, a front pair of longitudinal members fixed to the front girders, a rear pair of longitudinal members fixed to the rear girders with the front ends of said rear members being spaced from the rear ends of the front members, tension members interposed between said ends of the pairs of members, and welds securing said ends of the front and rear members to the tension members, said shell having sufficient rigidity to restrain longitudinal expansion of said members when the welds are effected and to tension said members responsive to shrinking thereof after the welds have been effected for maintaining compression on said shell when the tank is empty.

2,239,443
TRANSMISSION MECHANISM FOR LATHES
William F. Groene and Harry C. Kemper, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application August 12, 1939, Serial No. 289,916
14 Claims. (Cl. 82—29)

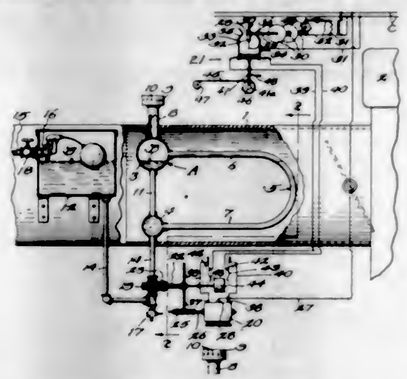


1. In a lathe transmission mechanism, a shaft, means for rotating said shaft at a plurality of different speeds, a compound gear shiftably mounted on said shaft, a second shaft, a pair of gears fixed on said shaft adapted to be alternately engaged by said compound gear to effect two different speed changes in said second shaft, a gear shiftably mounted on said second shaft adapted to engage the face gear on the work spindle of said lathe, a gear shiftably mounted on said shaft adapted to engage a gear on a pulley shaft, a driving pulley on said pulley shaft, a driven pulley on said spindle, belted means interconnecting said pulleys, means for alternately engaging one or the other of said shiftable gears on said second shaft to effect gear driving or belt driving of said spindle, a feed transmission mechanism, a third shaft, a compound gear shiftably mounted on said third shaft, means for shifting said compound gear to at one time connect one of its gears to a gear on said second shaft and its other gear to the feed transmission and at another time to interconnect one of its gears with a gear on said spindle and said feed transmission.

2,239,444
HUMIDIFYING APPARATUS
John C. Hornung, Glencoe, Ill., assignor to Illinois Engineering Company, Chicago, Ill., a corporation of Illinois
Application September 8, 1939, Serial No. 294,001
3 Claims. (Cl. 236—44)

1. In a humidifying system of the class described, the combination with a furnace having a smoke flue, of a water-supplying tank arranged exteriorly of the flue, means for maintaining a predetermined supply of water in the tank, a vaporizing vessel arranged within the flue, vapor distributing means connected thereto, a supplying conduit connected between the tank and vessel to conduct water from the tank to the vessel, a throttling valve in the conduit, humidity responsive means, and means cooperating with the humidity responsive means and valve to cause the valve to vary the amount of water in the vessel below the level of the water in the tank dur-

ing the vaporizing operation in accordance with variations in the percentage of moisture in the



air to which the humidity responsive means is responsive.

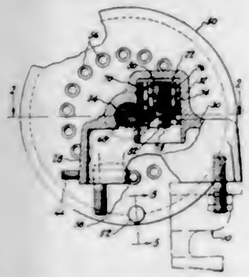
2,239,445

SPEED RESPONSIVE CONTROL DEVICE

Erle Martin and Alan G. Day, West Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application April 6, 1939, Serial No. 266,405

6 Claims. (Cl. 264—3)



6. Mechanism for changing the speed setting of an adjustable speed governor including a movable abutment, a rack and pinion for moving said abutment, and a pulley for rotating said pinion, said movable abutment comprising, an outer sleeve provided with rack teeth for engagement with said pinion, an inner sleeve adjustably screw threaded into said outer sleeve to constitute an adjustable limit stop, said inner sleeve being split for a portion of its length, and a locking plug for locking said inner sleeve in adjusted position in said outer sleeve.

2,239,446

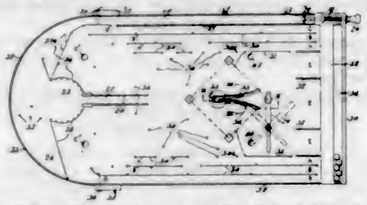
BASEBALL PLAYING DEVICE

John W. Mathewson, Oakdale, Pa.

Application November 26, 1938, Serial No. 242,522

12 Claims. (Cl. 273—89)

1. A baseball playing device comprising a game board, a bat pivotally mounted on said board, means positioned on the board for rolling balls over the board towards said bat, grooves in said board for causing chance variations in the paths which the balls follow in rolling towards the bat, and compartments on the surface of the board



into which the balls may roll after being hit by the bat to indicate hits and "outs."

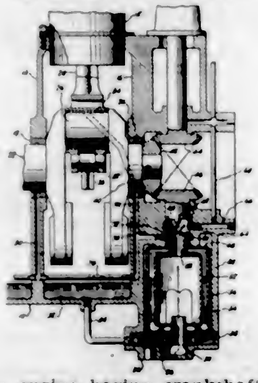
2,239,447

ENGINE LUBRICATING SYSTEM

Earle A. Ryder, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application November 16, 1939, Serial No. 304,756

12 Claims. (Cl. 184—6)



1. In an engine having crankshaft bearings, and other bearings and friction surfaces, and a lubricating system for supplying lubricant to all of said bearings and friction surfaces, means in said lubricating system for separating the lubricant supplied to said crankshaft bearings from the lubricant supplied to said other bearings and friction surfaces, and means subjecting said crankshaft bearing lubricant to a cleaning process while separated from the remainder of said lubricant.

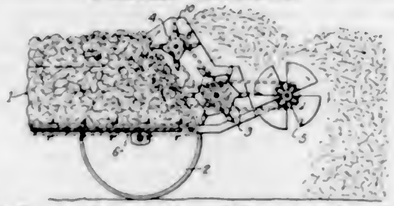
2,239,448

BEATER TOOTH FOR MANURE SPREADERS

Bernard J. Selhorst, Coldwater, Ohio

Application April 8, 1940, Serial No. 328,402

4 Claims. (Cl. 275—3)



1. In a rotary beater of the class described, a beater tooth having a leading beating edge which is angular lengthwise thereof to provide inner and outer sections each of substantial

length, the inner section being approximately in a line radial to the beater axis and not more than a rearward incline of 20° therefrom relative to the direction of revolution, and the outer section being disposed in a rearward incline relative to the direction of revolution which is not more than 32° and not less than 24° from an intersecting radial line of the beater axis.

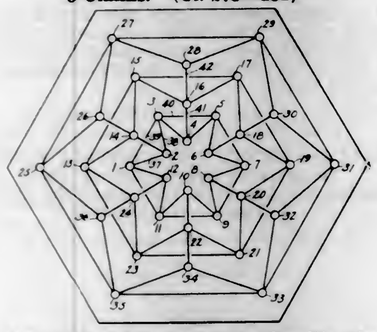
2,239,449

GAME BOARD

Melvin John Senz, Port Angeles, Wash.

Application July 7, 1939, Serial No. 283,148

3 Claims. (Cl. 273—131)



1. A game board comprising a plurality of concentrically and symmetrically disposed stars; playing paths coincident with the sides of said stars; playing paths forming a polygon about each star and connecting between the outer angle points of such star; radially extending playing paths connecting between corresponding angle points of the stars; and counter receiving means disposed at the inner and outer points of each star.

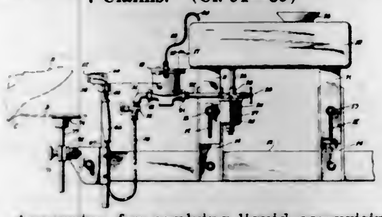
2,239,450

APPARATUS FOR APPLYING LIQUIDS

John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware

Application March 12, 1937, Serial No. 130,484

7 Claims. (Cl. 91—39)



4. Apparatus for applying liquid comprising a main liquid supply tank, a secondary supply tank in communication with said main tank and having means for maintaining the liquid in such secondary tank at a constant level, an applicator adapted to be employed in a plane below said constant level, a flexible liquid conducting tube connecting said applicator and said secondary tank, said tube and applicator having an open conduit therethrough providing for a gravity flow of liquid from said applicator whenever it is lowered beneath said constant level, and a holder vertically positioned to receive and hold said applicator at a height sufficient to prevent flow of liquid from the applicator when it is in the holder.

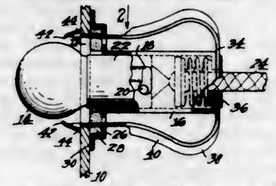
2,239,451

LAMP SOCKET AND HOLDER

Jason C. Stearns, Worcester, Mass.

Application July 23, 1940, Serial No. 346,940

7 Claims. (Cl. 173—339)



1. As an article of manufacture, a light bulb socket, a plurality of spring metal fingers attached to said socket transversely thereof at one end so that said fingers extend outwardly radially of said socket, said fingers being reversely directed from adjacent said end towards the other end of the socket, but remaining spaced therefrom throughout their lengths, and terminating in free ends, said fingers being pivotable adjacent their points of attachment, whereby their free ends may approach said socket and retreat from their points of attachment, means on said free ends for securement to a support, the radial and reversely directed portions of said fingers providing a hand grip of a diameter greatly in excess of said socket for easy manipulation thereof and of said fingers.

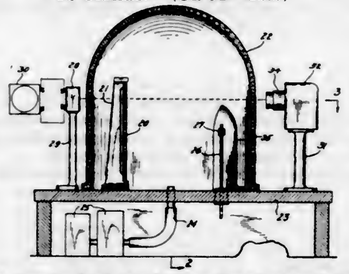
2,239,452

METHOD AND APPARATUS FOR PRODUCING SEMITRANSPARENT COATINGS

Robley C. Williams, Ann Arbor, Mich., and John E. Ruedy, Haddon Heights, N. J.

Application March 13, 1937, Serial No. 130,680

12 Claims. (Cl. 91—12.2)



3. A method of producing upon a surface of a transparent article a coating having a predetermined degree of transparency, which comprises positioning the article in a vacuum, gradually and continuously depositing upon the surface thereof to be coated a film of metallic coating material while simultaneously unidirectionally transmitting a concentrated beam of light from one side of the article through the coating being deposited thereon and through the article and substantially perpendicularly thereto while the article is in the same vacuum and upon a light measuring device located on the opposite side of the article to determine the degree of transparency of the coating as it is deposited on the article, and then while the article is still in the same vacuum terminating the deposition of the film of metallic coating material on the article when the predetermined degree of transparency is indicated on said device.

8. An apparatus for producing upon a surface of a transparent article a coating having a pre-

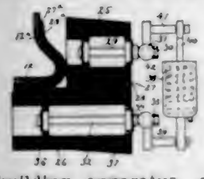
determined degree of transparency, comprising means for producing the deposition of coating material upon the surface of the article, means for measuring the degree of transparency of the article progressively and simultaneously with the deposition of the coating material thereon and including a light producing element located and constructed so as to unidirectionally transmit a concentrated beam of light substantially perpendicularly through the coating and article from one side to the opposite side of the article and a light measuring device located behind the article in position so that said beam of light will register thereon after it has been unidirectionally transmitted through the article.

2,239,453

TIRE BUILDING APPARATUS

Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio

Application July 14, 1939, Serial No. 284,476
8 Claims. (Cl. 154—10)



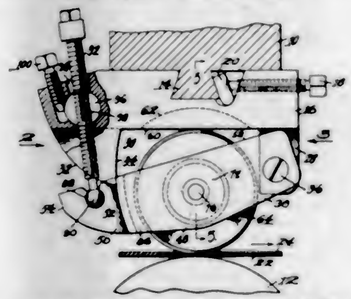
1. A tire building apparatus, comprising a rotary form and a pair of coacting fabric-pressing rollers, one located adjacent the edge of the form as a continuation of the surface thereof and extending radially within the surface of the form, the other operatively located generally outward of the first roller for uniting the free margins of a pair of plies while they are in position about the form.

2,239,454

SCORING CUTTER

Fritz O. Carlson, Worcester, Mass., assignor to Hobbs Manufacturing Company, Worcester, Mass., a corporation of Massachusetts

Application October 20, 1939, Serial No. 300,450
10 Claims. (Cl. 164—60)



10. In a device of the class described, the combination of a support having parallel side surfaces, and depending elements at each end of the support, with a cutter holder pivoted to one said depending element, said holder having parallel side surfaces each being in the same plane as its corresponding side surface of the support, cooperating guide surfaces between the other depending element and said holder, and a slot in the holder to provide walls for the reception of a bearing having a disc cutter mounted thereon, means to secure one of the races of the bearing to the walls of the holder.

2,239,455

PRESERVATIVE FOR FISH NETS, FISH LINES, AND THE LIKE

Stanley Hewish Chambers, Dunnville, Ontario, Canada, assignor to John Starr Brooks, Dunnville, Ontario, Canada

No Drawing. Application September 11, 1939, Serial No. 294,336
3 Claims. (Cl. 134—78.6)

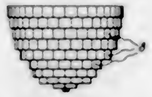
1. A preservative for fish nets and lines consisting of mercuric oleate, pentachlorophenol, a wood tar binder, and a petroleum distillate solvent for the mercuric oleate, pentachlorophenol and wood tar binder.

2,239,456

PROCESS OF CUTTING CONTACT POINTS

Theodore De Graeve, Detroit, Mich.

Application August 29, 1938, Serial No. 227,313
3 Claims. (Cl. 51—283)



2. The method of forming a contact point from an octahedron diamond consisting in cutting said diamond in stepped formation from adjacent opposite apices toward an intermediate apex to approximate the shape desired and removing said steps in a grinding operation to provide a smooth uninterrupted curvilinear peripheral surface.

2,239,457

FIRE REPELLENT PILE FABRIC

Willis A. Gibbons, Montclair, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application February 10, 1939, Serial No. 255,592
8 Claims. (Cl. 139—391)



1. A fire repellent pile fabric, comprising a woven non-combustible ground fabric formed of spun warp and weft threads of non-metallic, inorganic fibers and having pile threads interlocked therewith to form a protecting pile surface overlying the non-combustible ground fabric.

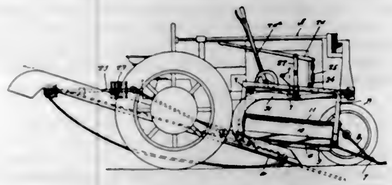
2,239,458

VINE PULLING ATTACHMENT FOR POTATO DIGGERS

John H. Hetzel, Almond, Wis.

Application January 23, 1940, Serial No. 315,269
2 Claims. (Cl. 55—66)

1. A vine lifting attachment for a digging machine comprising a frame, means for pivotally connecting the rear part of the frame to the frame of the machine, the attachment frame sloping downwardly and forwardly, forwardly diverging runners connected to the front end of the attachment frame and having their front ends engaging the ground, a pair of rollers journaled in the lower part of the attachment frame and extending longitudinally and sloping downwardly and forwardly and having spiral ribs thereon, the runners directing the vines to the rollers, means for yieldingly pressing one roller toward the other roller, shafting rotatably supported in the machine frame and including universal joints and telescopic parts, said shafting



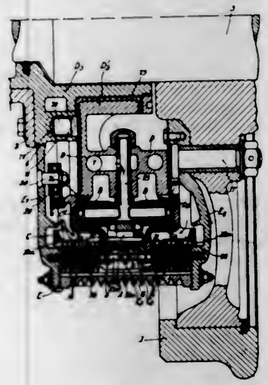
being connected to the rear ends of the rollers to rotate the same, gears on the rear parts of the shafting for the two rollers, said gears meshing with each other, bearing means for the rear parts of the shafting rigidly connected with the machine frame and acting to hold the gears in mesh and means for rotating one of the gear carrying parts from a movable part of the digging machine.

2,239,459

MULTIPLE DISK BRAKE

Hans Kattwinkel, Radebeul, Germany

Application January 22, 1938, Serial No. 186,461
In Germany January 28, 1937
11 Claims. (Cl. 188—153)



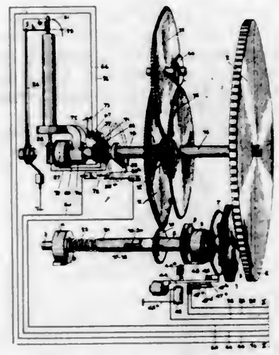
1. A brake arrangement of the multiple disk type especially for heavy and rapid railway vehicles having running wheels rotatable with respect to the relatively stationary vehicle body comprising: a relatively fast friction disk carrier connected permanently with one of said running wheels of the vehicle, a loose friction disk carrier concentric with said fast carrier and mounted rotatably with respect to said running wheel and the vehicle body, said two carriers being arranged one within the other, a group of a plurality of friction disks mounted on said fast carrier so as to be axially slidable but not rotatable to it, a second group of a plurality of friction disks mounted on said loose carrier so as to be axially slidable but not rotatable relatively to it, the friction disks of the two groups being arranged alternately and forming an axially compressible pile, means for compressing said pile of friction disks in an axial direction, and means for operatively connecting said loose carrier with the vehicle body, said connecting means being adapted to act and to be operated independently of the action of said compressing means, the inner one of said carriers comprising at least one disk body of stepped cross section having an outer flange member and an inner flange member being opposite to said compressing means, said outer flange member bearing on said pile of friction disks.

2,239,460

MECHANISM FOR JUSTIFYING OF NUMBER WHEELS

Marcel Adrien Elie Levy, Paris, France, assignor to Societe Anonyme: Societe Francaise de Metrographie, Paris, France

Application January 14, 1939, Serial No. 251,019
In France August 13, 1934
5 Claims. (Cl. 234—5.4)



1. In a mechanism for justifying of number wheels, a driving shaft, a first graduated drum for indicating digits of the lowest order, a resilient coupling between the driving shaft and said first drum, a toothed wheel secured to said first drum and having a number of teeth equal to the number of graduations of said first drum, a second graduated drum for indicating digits of the highest order, a wheel provided with at least one abutment, means for transmitting the movement of the driving shaft to said second drum at a speed which is a fraction of the speed of the driving shaft, means for transmitting the movement of the driving shaft to the wheel provided with at least one abutment at a speed greater than the speed of said second drum, and stopping means arranged for engaging with the toothed wheel secured on the first drum and with the wheel provided with at least one abutment.

2,239,461

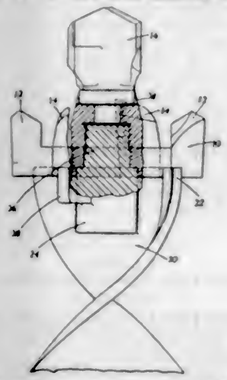
ROCK BORING BIT

Reginald William Mann, Monkseaton, England

Application August 26, 1939, Serial No. 292,145
In Great Britain August 31, 1938
8 Claims. (Cl. 255—69)

1. A rock boring bit comprising in combination a scroll having at its extremity a central screw-threaded spigot, a reamer bit of substantially the same diameter as the scroll and formed with a socket to fit said spigot and with a trans-

verse groove to fit the extremities of the ribs of



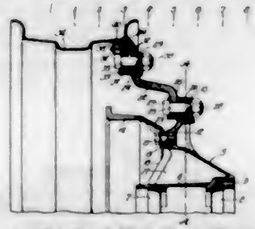
the scroll, a nut screwing upon said spigot and a pilot bit secured to said nut.

2,239,462
BRACING MEANS FOR CANOPY DOORS
David H. Morgan, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application January 5, 1940, Serial No. 312,623
8 Claims. (Cl. 20—19)



1. A door comprising an upper leaf pivoted for swinging movement between vertical and substantially horizontal closed and open positions, respectively, a lower leaf mounted on said upper leaf for vertical sliding movement between raised and lowered, open and closed positions, respectively, relative thereto, a brace for the upper leaf comprising a lever arm extending from said upper leaf above the pivot thereof, an upper brace arm pivoted at its upper end to said lever arm at a point above the pivot of said upper leaf, a lower brace arm having a fixed pivot at a point spaced inwardly from the pivot of said upper leaf and at a point spaced downwardly from the pivotal connection of said upper brace arm with said lever arm when the said upper leaf is disposed vertically, a pivotal connection between said brace arms, means to insure a substantially alined relationship of said brace arms in which they extend diagonally downwardly and inwardly from said lever arm when the upper door leaf is disposed vertically and thereby hold said upper leaf against swinging movement, a pair of elements one on the upper brace arm and the other on the lower leaf acting one upon the other in response to the final portion of raising movement of the lower leaf relative to the upper leaf to urge said upper brace arm upwardly about its pivotal connection with said lever arm, thereby to disalline said brace arms and to initiate opening swinging movement of the door leaves and to permit continued opening swinging movement of said leaves, and means for raising said lower leaf relative to said upper leaf and for thereafter swinging said leaves to open position.

2,239,463
WHEEL
Burton L. Mills, Buchanan, Mich., assignor, by mesne assignments, to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application July 30, 1936, Serial No. 93,348
12 Claims. (Cl. 301—9)



1. In a wheel of the class described, a wheel body, a reversible ring member having axially offset inner and outer edges and adapted to be mounted in any one of four positions on the periphery of said wheel body, reversible rim-seating lugs adapted to be mounted in any one of two positions on either side of said ring independently of the mounting of the ring on the wheel body, and a tire-supporting rim seated on said lugs independently of the mounting of said lugs on said ring.

2,239,464
GOPHER POISON DISPENSER
Frederick C. Moger, Harrison, Mont.
Application February 21, 1939, Serial No. 257,706
6 Claims. (Cl. 221—119)



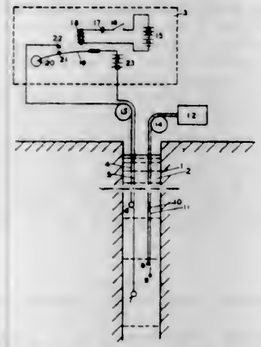
1. A dispenser of the class described comprising a hopper, means for dispensing measured portions of material from said hopper, said means comprising a closure for the hopper, a trigger connected to said closure for moving the closure

to an open position, means for automatically returning said closure to a closed position when said trigger is moved to a predetermined position, and adjustable means for releasing said last mentioned means for independent movement with respect to the trigger at a predetermined position of the trigger.

2,239,465
WELDING ROD
Agostino Nepoti, Sesto Calende, Varese, Italy
No Drawing. Application December 13, 1938, Serial No. 245,506. In Italy December 14, 1937
2 Claims. (Cl. 219—8)

1. A welding rod consisting of 0.08 to 0.11% carbon, 1.2 to 1.4% manganese, 0.55 to 0.75% chromium, 0.25 to 0.35% molybdenum and remainder iron, said rod giving a welding line having a tensile stress of 70 to 80 kg./mm.², the material constituting said welding line being resistant to the customary hardening thermal treatments.

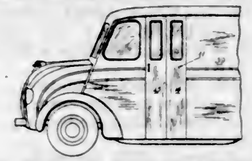
2,239,466
METHOD OF AND APPARATUS FOR ELECTRICAL INVESTIGATION OF DRILL HOLES
Jacob Neufeld, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application May 7, 1937, Serial No. 141,361
14 Claims. (Cl. 175—182)



12. Apparatus useful in well surveying that comprises means for making a geophysical measurement within a well bore the rate of change of which is a significant indication of geological structure, means for producing an electrical current proportional to said measurement, and an electrical derivator for producing a current proportional to the time derivative of the first mentioned current.

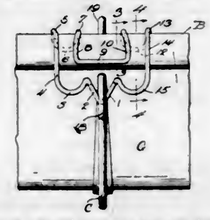
2,239,467
FOLDING DOOR
John Nicol, Detroit, Mich., assignor to Divco-Twin Truck Company, Detroit, Mich., a corporation of Michigan
Original application April 16, 1938, Serial No. 202,536. Divided and this application June 19, 1939, Serial No. 279,970
13 Claims. (Cl. 296—49)

1. In an automotive vehicle; a body having a side door opening and a door comprising a plurality of foldable sections mounted upon a substantially vertical hinge at a side edge of said door opening; bracket means within said body adjacent the front edge of said door opening and a handle member pivoted upon said bracket means; mechanism comprising a lever rigid with said member, an arm rigid with the rear section of said door and a rod extending along the top edge of said door opening pivotally connected at



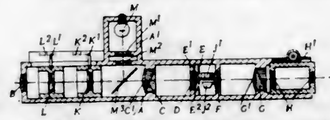
opposite ends to said lever and said arm for actuating the door upon movement of said member and a spring secured at one end to said mechanism adjacent the pivotal connection of the lever with said rod, the other end of said spring being rigidly anchored upon said body.

2,239,468
CLIP
Max Rachlin, Flushing, N. Y.
Application April 2, 1940, Serial No. 327,539
6 Claims. (Cl. 248—48.1)



6. A clip for fastening an eaves trough to an eaves trough support comprising a single piece of spring material bent to form two hook portions, a pair of arms extending downwardly and away from said hook portions, each of said arms merging into a portion that is curved and each of such curved portions merging into a reversely bent upwardly opening V shaped portion.

2,239,469
SIGHTING TELESCOPE
Richard Edmund Reason, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain
Application January 13, 1939, Serial No. 250,855
In Great Britain January 14, 1938
11 Claims. (Cl. 88—2.2)



1. In a sighting telescope, the combination of an objective, a double image prism for dividing the light from the objective into two portions, a second double image prism for recombining the two portions whereby the useful fields in which the two partial images are formed respectively with the two portions are coextensive, an eye-piece through which the two partial images can be simultaneously viewed, and means for reversing the displacement of one partial image relatively to that of the other partial image, the path lengths of the two portions of the light

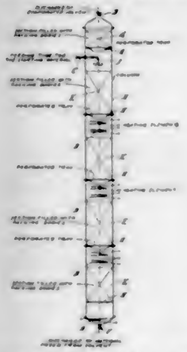
being such that a change of object distance would cause the two partial images to move at equal rates.

2,239,470

PROCESS FOR THE REMOVAL AND THE RECOVERY OF SOLVENT REMAINDERS FROM LIQUIDS, PARTICULARLY OF SELECTIVE SOLVENTS FROM HYDROCARBON OILS AND THE LIKE

Friedrich Schick, Berlin-Schoeneberg, Germany, assignor, by mesne assignments, to the firm Deutsche Erdol-Aktiengesellschaft, Berlin-Schoeneberg, Germany

Application June 8, 1938, Serial No. 212,424
In Germany June 14, 1937
2 Claims. (Cl. 202—64)



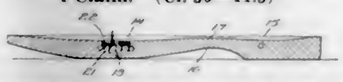
1. A continuous process for the substantially complete removal of solvent remainders from hydrocarbon liquids, said liquids having higher boiling points than said solvents, which comprises heating the liquid material to be freed from the solvent, causing said liquid to flow through an evaporating space in thin layers of not more than .05 millimeter average thickness, by providing within said space a filling of packing bodies of the type of Raschig rings of small diameter; heating the liquid in a plurality of stages of progressively elevated temperatures to a final temperature below the boiling point of said liquid material at the pressure used and not surpassing by more than 100° C. the boiling temperature at atmospheric pressure of the solvent to be recovered as it passes through the filled evaporating space; maintaining in said evaporating space a diminished pressure of not more than 40 mm. Hg pressure; and removing the liquid freed from solvent at the bottom, and the solvent vapors at the top, of the evaporating space.

2,239,471

SANDAL

Alexander L. Srajer, Oak Park, Ill.

Application November 20, 1939, Serial No. 305,361
1 Claim. (Cl. 36—11.5)



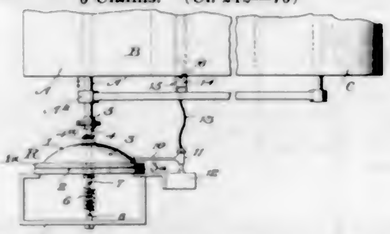
In a sandal, comprising a sole of rigid material formed of a toe section and a separate heel section having straight walls abutting, a pliable strip countersunk into the upper faces of the sections adjacent the abutting edges and having splits on its edges forming double flaps at each edge, means passing through the lower flaps into the toe and heel sections and the upper flaps covering said securing means and said flaps having their upper faces in a plane with the upper faces of the toe and heel sections.

2,239,472

PAPER WINDING REGULATOR

William T. Stanford, Oklahoma City, Okla., assignor to Vac-Control Manufacturing Company, Oklahoma City, Okla., a corporation of Oklahoma

Application May 8, 1939, Serial No. 272,441
6 Claims. (Cl. 242—76)



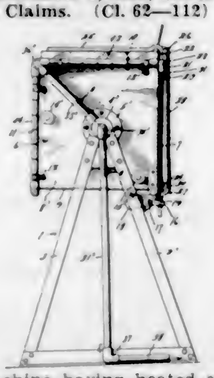
1. In an apparatus for winding a paper web from one roll to another, a supply roll, a re-winding roll, means for shiftably mounting the supply roll on its axis relative to the re-winding roll, and means controlled by the paper web for automatically shifting the supply roll while unreeling the web, said means comprising a regulator including a housing formed by a rigid wall and a flexible diaphragm enclosing a vacuum chamber, spring means for maintaining the diaphragm in normal position, a vacuum pump, a conduit from the pump to the diaphragm, a rod connected to the diaphragm and passing through said rigid wall, means for coupling said rod to the supply roll, a pilot device positioned beneath the path of the web and having an orifice adapted to be covered and uncovered by the edge of the web, and a tube for establishing communication between the pilot device and the said conduit.

2,239,473

APPARATUS FOR SUBDIVIDING BLOCKS OF ICE

Migiel J. Uline, Washington, D. C., assignor to The RFC Mortgage Company, Richmond, Va., a corporation of Maryland

Application December 1, 1938, Serial No. 243,453
6 Claims. (Cl. 62—112)



6. In a machine having heated edges for simultaneously cutting through a block of ice, a plurality of tubes, said tubes being disposed to approximate a substantially horizontal plane surface and forming a grating to receive and support a block of ice for a cleaving operation, each of said tubes presenting edges of narrow width across the path of the ice blocks when melting through said grating, said tubes having inlet and outlet connections providing a flow of heating fluid through said tubes, means for providing a constant downward pressure on top of a block of ice to be placed on said grating, said downward pressure being exerted principally on that portion of the ice block nearest the outlet ends of the tubes, whereby the colder, outlet ends of the tubes will have firmer contact with the ice to speed the rate of melting there and tend to equalize such rate with the rate of melting at the warmer inlet ends of the tubes.

2,239,474

COW HOBBLE

Charles S. Taylor, Chewelah, Wash.

Application February 27, 1939, Serial No. 258,791
1 Claim. (Cl. 119—126)



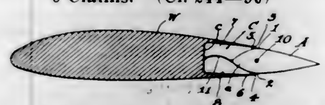
A hobble comprising an elongated ring, provided intermediate its ends with ears extended laterally beyond one side of the ring, one ear being provided with an opening, and the other ear being provided with a keyhole slot, a bar in the opening and in the enlarged part of the keyhole slot and conforming in cross section thereto, the bar having a head and a lateral projection cooperating with the outer surfaces of the respective ears, to hold the bar in working position, the bar being rotatable to aline the projection with the reduced part of the keyhole slot, and then being movable longitudinally until the projection passes through the slot and engages the inner surface of the first specified ear, to hold the bar in inoperative position but permanently assembled with the ring, the ears serving to space the bar, when in working position, from said side of the ring, whereby a plane passing through the bar and parallel to the plane of the ring will always be spaced from the ring surface and will intersect both ears, thereby to put an effective, maximum bend into an animal's leg, and to set said ends back from the apex of the bend.

2,239,475

BALANCING AIRCRAFT CONTROL SURFACES

Fred E. Weick, Bethesda, Md.

Application July 24, 1937, Serial No. 155,523
6 Claims. (Cl. 244—90)



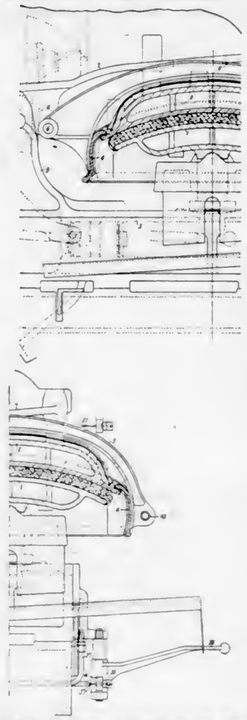
2. An airfoil, a control surface forming a trailing portion of said airfoil and being mounted for angular movement relative thereto for control, said airfoil providing a space therewithin having a forward wall, the leading edge portion of said control surface extending forwardly into said airfoil space, a flexible material continuous element attached to the leading edge portion of said control surface and extending forwardly therefrom in an uninterrupted manner through and across said airfoil space to and in contacting relation with the forward wall of said space, the leading edge portion of said control surface and said continuous flexible material element dividing said airfoil space into separate chambers at opposite sides, respectively, of the leading edge portion of said control surface and the said flexible material element, said separate chambers being in communication with the exterior of the airfoil at opposite sides respectively of the airfoil whereby there is established in each chamber an air pressure condition corresponding to the air pressure condition at that side of the airfoil with which said chamber is in communication, and the leading edge portion of the control surface and the flexible material member within said airfoil space being subjected to differences in pressure in the chambers at opposite sides thereof.

2,239,476

LAUNDRY PRESS

Robert Wilson, Clydebank, Scotland, assignor to D. & J. Tullis Limited, Clydebank, Scotland, a company of Great Britain

Application June 5, 1940, Serial No. 338,945
In Great Britain March 30, 1939
1 Claim. (Cl. 192—133)



In a laundry press comprising a stationary lower pressing table member and a co-operative swinging upper pressing member adapted to be

lowered on to said table member, in combination with a fluid pressure motor having an inlet and an exhaust operative to depress said upper pressing member, spring means for elevating said upper pressing member when the exhaust from said motor is open, a safety guard member skirting and depending from said upper pressing member and movable with said upper pressing member in the normal operation of the press, a pivot which swings with said upper pressing member, a lever structure to which said guard member is attached and which is mounted on said pivot for rocking movement relatively to said upper pressing member, an arm movable angularly about the axis of said pivot with said lever structure and presenting an arcuate portion of which the centre of curvature is coincident with the axis of swing of said upper pressing member, valve means controlling the admission to and exhaust from said motor and operatively connected to said lever structure, said valve means including a valve-loading plunger, a control element for said valve means, and a spring-urged manually controllable stop adapted to retain said control element in the position corresponding to the exhaust-open position of said valve means after displacement of said guard member, said control element consisting of a manually rockable three-armed lever having an arm engageable by said arcuate portion, an arm engaging said valve-loading plunger, and an arm co-operating with said stop.

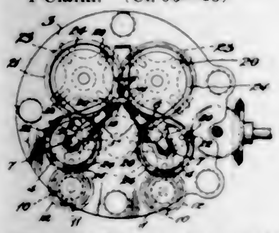
2,239,477

BRAIDING MACHINE

Kenichi Yasuda, Nakaku, Yokohama, Japan

Application October 6, 1939, Serial No. 298,321

1 Claim. (Cl. 96—18)



In a braiding machine, a base plate having tracks therein, carriers movable in said tracks, a drive shaft, a helical member secured at one end to said shaft, a holder having an inclined surface engaging and retaining the other end of the helical member in an inclined position, the edge of the finished braid being passed through and delivered by said helical member.

2,239,478

PAINT

Linton C. Amberson, Edenburg, Pa.

No Drawing. Application February 9, 1940, Serial No. 318,178

1 Claim. (Cl. 134—45)

A paint suitable for application to hot metal surfaces, which contains the following substances in about the proportions stated:

60 gallons waterglass of 35 to 37% concentration,
15 ounces of gum tragacanth,
30 ounces of starch,
80 lbs. of sugar,
30 gallons of water,
reaction products of the waterglass with
30 to 120 ounces of a material selected from the group consisting of alum and boric acid,
90 lbs. of finely powdered aluminum pigment.

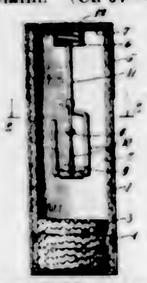
2,239,479

LIGHTER

Emily Marie Berthold, Jamaica, N. Y., assignor to Wright G. Scroxton, Bradford, Pa.

Application September 20, 1938, Serial No. 230,766

1 Claim. (Cl. 67—7)



A catalytic flame lighter comprising a casing closed at one end and open at the opposite end, a lining therefor of absorbent material to be saturated with alcohol, a cap to fit the open end of said casing to close it, the depth and cross-sectional area of said casing providing a single relatively large vapor confining space defined at all times by said lining, said cap and the bottom of the space, a catalyst and a frame therefor mounted on the inner surface of said cap, the catalyst and the frame in normal position disposed within the single vapor confining space in constant contact with the vapors emanating from said lining and disposed a substantial distance both from said cap and from the bottom of said vapor confining space.

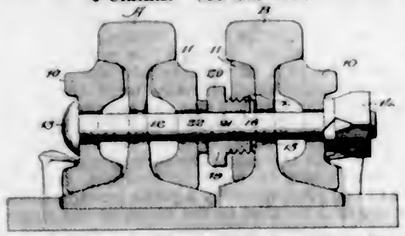
2,239,480

SPACING MEANS FOR TRAFFIC AND GUARD RAILS

George R. Burkhardt, Chicago, and Charles W. Breed, Western Springs, Ill.

Application December 20, 1940, Serial No. 371,026

6 Claims. (Cl. 238—22)



1. A duplex rail joint structure including a pair of oppositely arranged rails in spaced relation, outer and inner joint bars for each rail, a single joint bolt common to both rails and extending through the joint bars thereof and a spacer element sleeved upon the joint bolt, said spacer element having an adjustable engagement with one inner splice bar and an abutting relationship to the opposite inner splice bar.

2,239,481

ACCUMULATOR FOR LIQUIDS UNDER PRESSURE

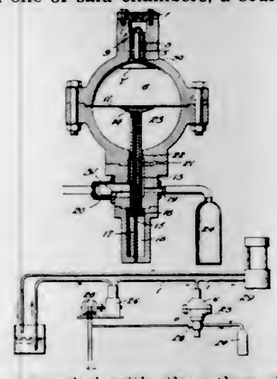
Alfredo Hiram Hunt Christensen, Buenos Aires, Argentina

Application December 1, 1938, Serial No. 243,455

In Argentina May 4, 1938

2 Claims. (Cl. 103—222)

1. Apparatus for maintaining a uniform pressure in a fluid pressure supply line comprising, a pump for forcing liquid into said line, a motor for driving said pump, a container, an elastic diaphragm dividing said container into two chambers, a pipe connecting said liquid supply line with one of said chambers, a source of fluid



pressure connected with the other chamber, a movable stem terminating in the last mentioned chamber adjacent said diaphragm, yieldable means urging the stem into engagement with the diaphragm, and a switch operated by movement of the stem for controlling the operation of said motor.

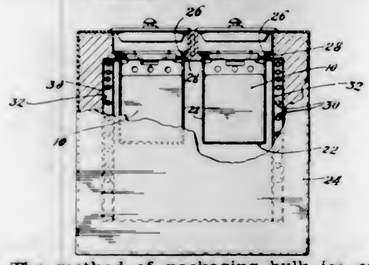
2,239,482

METHOD OF PACKAGING IN BULK FROZEN COMESTIBLES OR THE LIKE

George W. Cocks, Upper Montclair, N. J., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application February 20, 1940, Serial No. 319,822

9 Claims. (Cl. 62—173)



1. The method of packaging bulk ice cream for dispensing from cartons which comprises segregating semi-frozen ice cream into masses of multiple units, placing said masses in receptacles which are substantially filled by said masses of ice cream, and freezing the contents of said receptacles while retaining the predetermined contour of said receptacles, said receptacles being adapted to form a combined assembly having a predetermined contour.

2,239,483

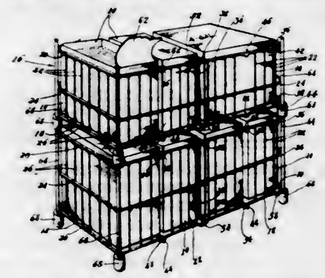
RECEIVING AND SUPPORTING RECEPTACLE FOR BULK ICE CREAM DISTORTABLE CARTONS

George W. Cocks, Upper Montclair, N. J., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application February 20, 1940, Serial No. 319,823

16 Claims. (Cl. 62—114)

1. A receptacle for receiving and supporting therein a linerless paper carton, of insufficient inherent rigidity to be self-supporting, during the process of filling said carton with a fluid or semi-liquid comestible and the further process of freezing, hardening or congealing said comestible, said carton having a selected size and predetermined contour, said receptacle comprising a bottom wall and side walls extending upwardly from the bottom wall to form a compartment for



receiving a said carton, said compartment of size and contour complemental to that of a said carton to snugly receive therein a said carton, said walls comprising spaced apart wires, the wires comprising the side walls, extending in an upward direction from the said bottom wall, the wires comprising the bottom and side walls being spaced only so far apart as to provide sufficient rigidity of support to a said carton.

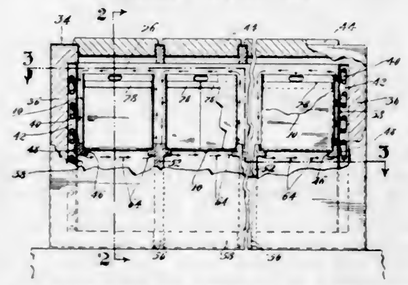
2,239,484

DISPENSING STORAGE RECEPTACLE FOR BULK ICE CREAM DISTORTABLE CARTONS

George W. Cocks, Upper Montclair, N. J., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

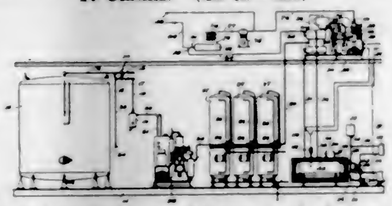
Application February 20, 1940, Serial No. 319,824

14 Claims. (Cl. 62—114)



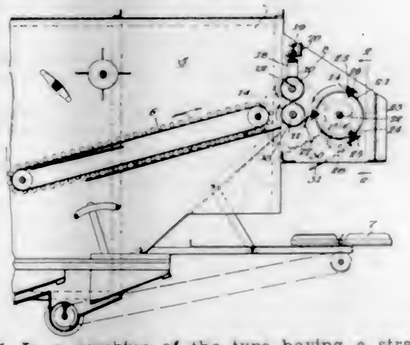
1. A receptacle for receiving and supporting therein, within a dispensing refrigerator cabinet, a linerless carton which does not have sufficient rigidity to be self-supporting, said carton having a selected size and predetermined contour and packaged in bulk with a frozen comestible, which comestible is to be dispensed in individual servings from the said carton within the refrigerator, comprising side and bottom walls forming a compartment of complemental size and contour of a said carton to snugly receive it, the side and bottom walls fitting closely against the adjacent walls of the carton received in the receptacle to prevent any movement of the carton relative to the walls of the receptacle upon dispensing the comestible from the carton.

2,239,485
REFRIGERATION APPARATUS
Louis De Markus, Blawnox, and Leon Buehler, Jr., Waynesboro, Pa., assignors to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application October 26, 1938, Serial No. 237,100
10 Claims. (Cl. 62—122)



9. The process of collecting and storing gas evolved during the fermentation of beer comprising, evolving fermentation gas in a fermentation tank, compressing said evolved gas, cooling and washing said gas during its compression, effecting condensation of said cooled, washed, and compressed gas at a relatively low temperature, and evaporating said liquefied gas in accordance with the demand for said gas.

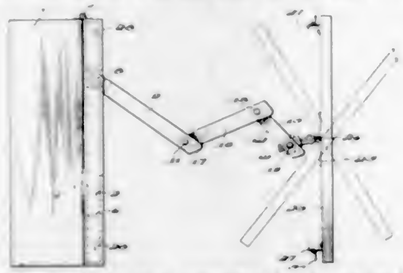
2,239,486
COMBINE
Desmond Edwards, Galena, Ohio
Application April 30, 1940, Serial No. 332,544
3 Claims. (Cl. 56—122)



1. In a combine of the type having a straw conveyor and a rotary straw spreader arranged below the discharge end of said conveyor, an attachment secured to the combine at the discharge end of the conveyor and positioned immediately above said spreader, said attachment comprising a housing, a pair of feeding rollers, a stationary ledger plate arranged adjacent to one of said rollers, a revolving cutter having blades cooperating with the ledger plate, and means for rotating the rollers and revolvable cutter.

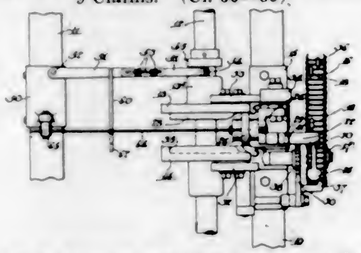
2,239,487
MEDICINE CABINET
Weston M. Fulton, Knoxville, Tenn., assignor to W. J. Savage Company, Inc., Knoxville, Tenn., a corporation of Tennessee
Application April 13, 1938, Serial No. 201,839
4 Claims. (Cl. 88—100)

1. A cabinet adapted to be fixed to a wall of a room, comprising an enclosure, a door for closing the front of said enclosure, said door being of appreciable thickness with a recess in the front face thereof and having a wall portion substantially closing the back of said recess, a mirror, and means for mounting the mirror on the door, said mounting means comprising a plurality of approximately U-shaped members connected in end to end relation with the closed end of one member within and pivoted to the open end of the adjacent member, one of said members being pivotally connected with the door within said recess



and another of said members being connected with the mirror, said members being constructed for collapsing to a retracted position in the recess with the members telescoped one within the other and to be extended therefrom substantially in end-to-end relation, and means for limiting the relative swinging movements of the members in said extended relation to less than 180° relative to each other.

2,239,488
ATTACHMENT FOR KNITTING MACHINES
William E. Greenlee, Philadelphia, Pa., assignor of one-half to Warren P. Griffiths, Trenton, N. J.
Application July 21, 1938, Serial No. 220,423
9 Claims. (Cl. 66—89)

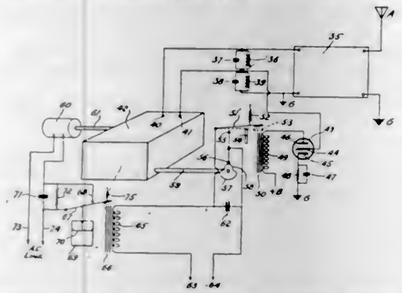


1. In a knitting machine having mechanism for controlling the loop transfer operations, said mechanism including a rotatable and longitudinally shiftable shaft having a cam mounted thereon and a member adapted to engage said cam to shift said cam shaft longitudinally, the combination therewith of auxiliary means actuated by the longitudinal movement of said shaft for preventing the longitudinal actuation of said shaft in the next succeeding revolution thereof.

2,239,489
FACSIMILE APPARATUS
John V. L. Hogan, Forest Hills, N. Y., and Horace G. Miller, Belleville, N. J., assignors to Radio Inventions, Inc., New York, N. Y., a corporation of New York
Application December 21, 1938, Serial No. 246,972
5 Claims. (Cl. 178—69.5)

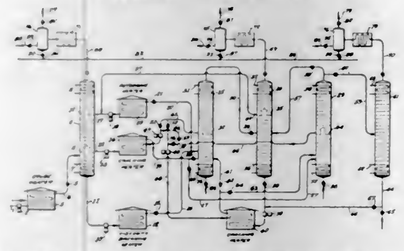
5. In a facsimile receiving system, the combination of, a recorder, a synchronized motor

for driving said recorder, means for dividing receiving periods into recording and non-recording intervals, means for receiving marking and phasing signals comprising two distinct groups of frequencies, means for separating said two groups of frequencies, means for detecting the presence of phasing signals during said record-



ing intervals, means for changing the phase of said motor in response to said presence, and means for controlling the amount of phase change to be produced relative to the duration of said phasing signals during said recording intervals.

2,239,490
TREATMENT OF HYDROCARBONS
Wayne E. Kuhn, Jackson Heights, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 15, 1937, Serial No. 148,265
5 Claims. (Cl. 196—48)

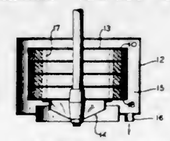


1. The method of treating hydrocarbon oil to form therefrom low boiling hydrocarbons suitable for motor fuel which comprises separately distilling crude oil to separate therefrom reduced crude and a condensate comprising constituents boiling above the motor fuel boiling range, passing said reduced crude substantially free from cracked material to a single-pass viscosity-breaking zone wherein it is subjected to relatively mild cracking conditions to effect conversion into lighter products comprising a substantial proportion of constituents above the motor fuel boiling range, passing said condensate to a single-pass cracking zone wherein the condensate is subjected to relatively more drastic cracking conditions by passage through an elongated heating zone of restricted cross-section to effect conversion thereof to lighter products comprising motor fuel constituents, merging the products of the last mentioned cracking treatment with heavy condensate, formed as hereinafter specified, and subjecting the merged products to further cracking treatment in an elongated heating zone of restricted cross-section to effect conversion of said heavy condensate to lighter products, separating the resultant cracked products from the aforesaid cracking operations into vapors and residue and withdrawing said residue from the system, fractionating resultant separated vapors to form a heavy condensate, an intermediate condensate and a lighter distillate, directing said heavy condensate to the latter of the aforesaid elongated heating zones as the aforesaid heavy condensate which is merged with the products from the first of the aforesaid elongated heating zones, passing said intermediate condensate to a separate cracking zone wherein it is subjected to cracking temperature to effect further conversion into lighter products of the motor fuel boiling range and fractionating the resultant cracked products from said separate cracking zone to recover the desired motor fuel.

2,239,491
PENTADIENAL AND PROCESS OF MAKING IT
Richard Kuhn, Heidelberg, Germany, and Colin J. O. R. Morris, London, England, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 23, 1938, Serial No. 197,612. In Germany March 27, 1937
6 Claims. (Cl. 260—598)

6. 5(2'methyl - 6',6'- dimethyl - cyclohexenyl-1')-3-methyl-2,4-pentadienal, which is a weakly yellowish liquid of terpene-like odor, distils at 110° C. (temp. of the heating bath) under 10^{-4} mm. pressure substantially undecomposed, reduces ammoniacal silver salt solution on gentle heating, renders fuchsin-sulfurous acid red, yields a red brown precipitate with antimony trichloride in chloroform solution and forms a semicarbazone which when recrystallized from toluene is obtained in fine needles melting at 193–195° C.

2,239,492
METHOD OF RECOVERING PIGMENT
Byron Marquis, Westfield, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application November 21, 1938, Serial No. 241,716
3 Claims. (Cl. 134—58)

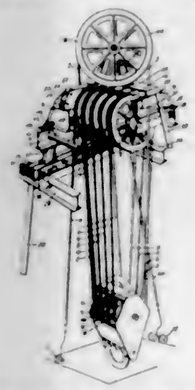


1. The method of drying a water wet pigment powder which comprises feeding sufficient water immiscible volatile organic liquid heavier than water and having no cementing action on the powder into the bowl of a running centrifuge to form a layer therein, feeding a water pigment slurry into the bowl, whereby the pigment passes through said layer and the water overflows, continuing the operation until the bowl is full of pigment and organic liquid, then removing the organic liquid and pigment from the bowl and separating the organic liquid and the pigment.

2,239,493
COMPOUND PULLEY HOISTING APPARATUS AND THE REEVING THEREOF
Harry Talmage Nichols, San Antonio, Tex., assignor to Charles A. Vance, Tustin, Calif.
Original application September 15, 1930, Serial No. 481,935. Divided and this application January 16, 1937, Serial No. 120,845
14 Claims. (Cl. 254—188)

2. A compound pulley comprising a running block having a plurality of substantially upright

rotatably mounted parallel compound pulley sheaves, and including outer sheaves, a standing block comprising a plurality of substantially upright rotatably mounted parallel sheaves the axes of which are disposed in substantial parallelism with the said sheaves of the standing block and substantially upright rotatably mounted complemental sheave means disposed symmetrically and obliquely crosswise of and extending diagonalwise of the adjacent and remote grooved edge



faces of the first and second said pluralities of parallel sheaves, and a hoisting line rove between the sheaves of the respective blocks leading first over a parallel sheave of the standing block, then under an outer sheave of the running block, then over the obliquely disposed sheave means, then under another outer sheave of the running block, then over another parallel sheave of the standing block, and then progressively under and over other parallel sheaves in the running block and standing block, respectively.

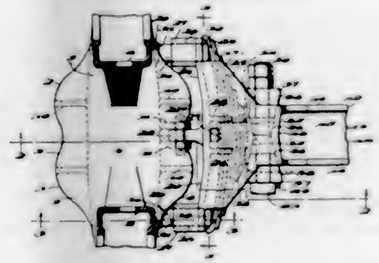
2,239,494

RAILWAY TRUCK

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application September 15, 1938, Serial No. 230,086

20 Claims. (Cl. 105—208.2)



1. In a spring-plankless truck, in combination, spaced side frames having connecting means associated with the lower portions thereof to control the movement of said side frames with respect to one another, said connecting means comprising a bar having the ends thereof movably connected to said side frames, housing means formed in said bar adjacent each end thereof, and a leaf spring means extending longitudinally of said truck through each of said housing means and having spaced portions thereof reacting against spaced parts of said side frames and another portion reacting against an associated housing means.

2,239,495

TERPENE-CYANOACYL COMPOUNDS AND METHODS OF PRODUCING SAME

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 27, 1939, Serial No. 311,164

16 Claims. (Cl. 260—454)

1. A terpene compound having the type formula ROOCR'XCN in which R is a radical consisting of an ether of a monohydric alcohol and a terpene compound, in which R' is a radical selected from the group consisting of aliphatic radicals and aromatic radicals, in which X is a member of the group consisting of sulfur, selenium, and tellurium and in which the substituted acyloxy group is attached to a carbon atom in the terpenic portion of the ether.

12. A method for the production of the terpene compound described in claim 1, which consists of reacting an ether of a terpene compound and a monohydric alcohol with a halogenated organic carboxylic acid and then with a compound selected from the group of metal thiocyanates, metal selenocyanates, and metal tellurocyanates, which is partially soluble in the reaction mixture.

2,239,496

TERPENE-CYANOACYL COMPOUND AND METHODS OF PRODUCING SAME

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 27, 1939, Serial No. 311,165

16 Claims. (Cl. 260—454)

1. A terpene compound having the type formula ROOCR'XCN in which R is a radical consisting of an ether of a polyhydric alcohol and a terpene compound, in which R' is a radical selected from the group consisting of aliphatic radicals and aromatic radicals, and in which X is a member of the group consisting of sulfur, selenium, and tellurium.

12. A method for the production of the terpene compound described in claim 1, which consists of reacting an ether of a terpene compound and a polyhydric alcohol with a halogenated organic carboxylic acid and then with a compound selected from the group of metal thiocyanates, metal selenocyanates, and metal tellurocyanates, which is at least partially soluble in the reaction mixture.

2,239,497

ATTRITION MILL FLINGER

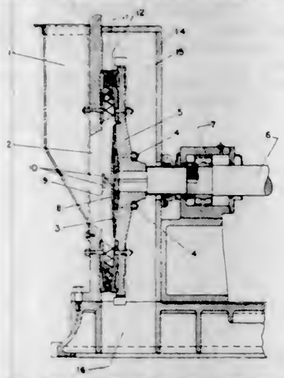
Marshall S. Byers, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application July 13, 1939, Serial No. 284,327

7 Claims. (Cl. 83—8)

1. In an attrition mill, a rotatable feeding flinger for feeding material to the grinding members of the mill, comprising a moderately conical faced backing disc with a vane projecting from the disc and extending diametrically across the face of the disc, the vane having a flange along the major portion of its projecting diametrical

edge forming a channel increasing in capacity



for material from the axis to the periphery of the backing disc.

2,239,498

WEIGHTED NONAQUEOUS DRILLING FLUID

George E. Cannon and Milton Williams, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 13, 1938, Serial No. 201,724

10 Claims. (Cl. 255—1)

1. A stable drilling fluid comprising a suspension of an oxide of lead in a petroleum oil to which has been added at least one percent by volume of a fatty acid.

2,239,499

PACKING MATERIAL

William J. De Reamer, Crown Point, Ind., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind., a corporation of Delaware

Application April 21, 1938, Serial No. 203,335

1 Claim. (Cl. 217—26.5)



A packing material comprising a flat sheet, means on one side thereof forming a plurality of article receiving seats each including a relatively upstanding annular wall and a substantialy flat top wall spaced from the plane of the sheet and having a central depression therein, and means providing a plurality of arcuately spaced, upwardly projecting article engaging supports on said top wall outwardly of said depression each support having a substantially rounded top, three-sided shape with the apex end directed inwardly and merging into said recess and with the base end arranged substantially coincident with said annular wall of the seat, the sides of adjacent supports, coacting with those parts of the top wall between them in providing passageways that open into the recess.

2,239,500

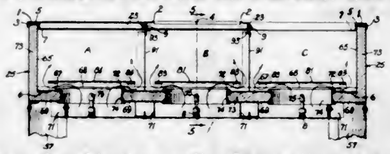
FOOD WARMER

Marsh P. Duke, University City, Mo., assignor to Duke Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application December 13, 1939, Serial No. 308,937

3 Claims. (Cl. 126—261)

1. A food warmer comprising legs, end, side and bottom walls carried by said legs forming an outer box; an inner box open at its top, an outwardly directed flange on the inner box, said flange resting upon the end and side walls; the inner box being spaced from said side, end and bottom walls; insulation between the container and the



side, end and bottom walls; flue portions extending through said insulation and bottoms of said boxes; heating means adjacent said flue portions, and heat deflecting means above said flue portions.

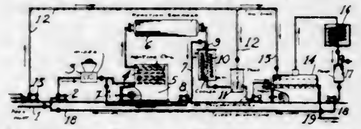
2,239,501

LUBRICANTS CONTAINING POLYMERS OF INTERMEDIATE WEIGHT

Per K. Frolich, Roselle, and Floyd L. Miller, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 12, 1933, Serial No. 701,950

21 Claims. (Cl. 252—59)



1. An improved process for increasing the stability of hydrocarbon polymers which comprises partially decomposing a mixture of linear substantially saturated hydrocarbon polymers which are oil soluble and contain unstable constituents of relatively high molecular weight, whereby the unstable constituents are broken down to products of lower molecular weight.

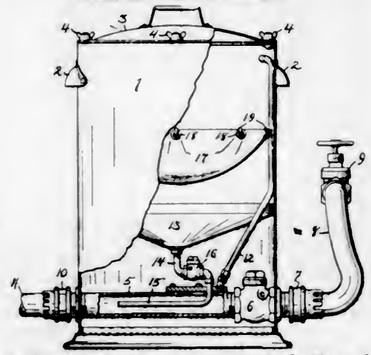
2,239,502

FERTILIZER APPLICATOR

Robert H. Gleason, Van Wert, Ohio

Application April 24, 1939, Serial No. 269,705

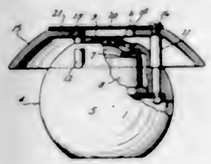
1 Claim. (Cl. 299—84)



A fertilizer applicator constituted of a closed vessel having a partition between its top and bottom, a pervious hammock susupended in said vessel above said partition, a pipe fixture extending through said vessel below said partition provided near one end thereof with an outflow check valve, a by-pass tube communicating with said pipe fixture and also with said vessel at a point therein above said hammock, an outflow check valve-controlled ejector tube operatively asso-

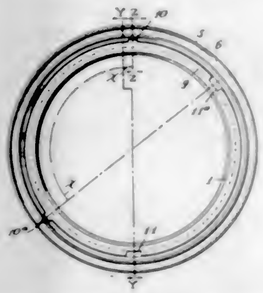
ciated with said fixture having communication with said vessel through said partition at the nadir thereof, and means to create a flow stream through said by-pass tube, vessel, ejector tube and fixture.

2,239,503
SOUND PICKUP APPARATUS
Barton Kreuzer, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1938, Serial No. 223,237
8 Claims. (Cl. 179—188)



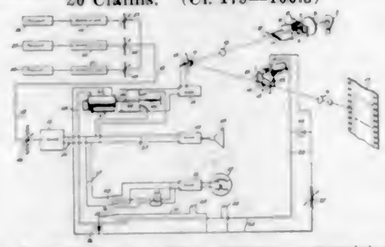
1. In a sound-to-current translating device, the combination of a microphone and a baffle for said microphone, said baffle having an inner flat portion with an opening therein adjacent said microphone and an outer solid surface portion, the outer portion of said baffle being curved to conform to the general external curve of said microphone and having a diameter greater than the diameter of said microphone.

2,239,504
WHEEL RIM FOR PNEUMATIC TIRES
Robert H. Lewis, Chicago, Ill.
Application September 14, 1939, Serial No. 294,811
7 Claims. (Cl. 152—411)



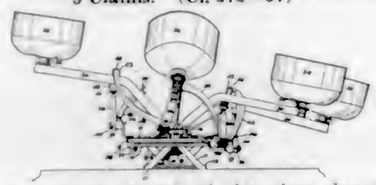
2. A wheel rim comprising a base member formed at one side with a gutter having its outer wall formed with an annular inner engaging face, and a resilient endless side ring member having an outer tire-retaining flange and an inner portion seated in said gutter and formed with an annular outer side face engaging said inner engaging face of the gutter wall, the internal diameter of said ring member being less than the diameter of the periphery of the outer wall of the gutter of said base member, the gutter of said rim and said ring member being provided with means for facilitating the mounting of said ring member consisting of a radially disposed stop body on one of said members extending past the periphery of the other member and arranged to block disengagement of the side ring member from the rim gutter.

2,239,505
SOUND RECORDING
John P. Livadary, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application February 12, 1938, Serial No. 190,299
20 Claims. (Cl. 179—100.3)



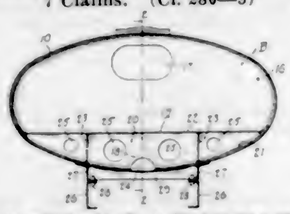
1. A sound recording system comprising a source of light rays, means for varying the form of said rays, means for projecting said rays onto a motion picture film, means for vibrating said rays in accordance with sound waves to be recorded, means for controlling at will said form varying means, and means for simultaneously controlling the amplitude of vibration of said rays being impressed on said film.

2,239,506
AMUSEMENT DEVICE
Earl H. Neal, Vancouver, Wash.
Application May 20, 1940, Serial No. 336,214
3 Claims. (Cl. 272—37)



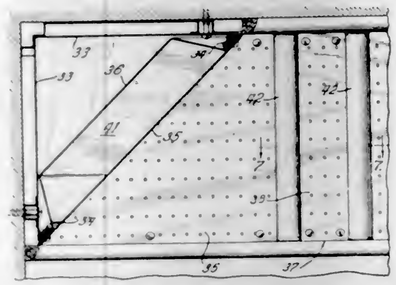
3. A merry-go-round of the class described wherein the passenger carrying cars are arranged to revolve around a vertical axis and to rotate on independent vertical axes, together with a means for rocking each of said cars vertically and means for rocking the next adjacent car laterally as it revolves about the vertical axis.

2,239,507
VEHICLE TANK
Firth Pierce, East Los Angeles, Calif., assignor, by mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 20, 1939, Serial No. 268,921
7 Claims. (Cl. 280—5)



4. In a vehicle tank, a transverse vertical reenforcing member in the lower part thereof having a height of approximately one-fourth that of the tank and having a lower edge complementary to the lower inside wall of the tank and a drain opening therein, and having a substantially straight horizontal upper edge.

2,239,508
AIR-DISTRIBUTING APPARATUS FOR VENTILATING SYSTEMS
Edward A. Sipp, Oak Park, and Ralph L. Leadbetter, Wheaton, Ill., assignors, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application December 15, 1938, Serial No. 245,942
1 Claim. (Cl. 98—40)



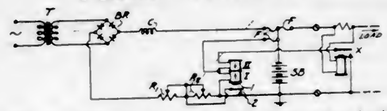
In a ventilating system for an enclosure, a duct of right-triangular cross section arranged at the ceiling and wall juncture of the enclosure with the hypothenuse side thereof exposed to the enclosure, said hypothenuse side of said duct comprising a facing panel exposed to said enclosure and having a multiplicity of apertures distributed therein, a channel member of imperforate sheet material extending lengthwise of said duct and engaging said facing panel and enclosing a space between said channel and said facing panel, said channel having openings in its web portion at spaced intervals along the length of said duct, means for continuously supplying ventilating air to said duct, and a filter-diffuser cartridge arranged at said opening in said channel whereby air passing from said duct into the space between said channel and said facing panel and thence into said enclosure is caused to pass through said filter-diffuser cartridge, said facing panel having removable sections opposite said openings in said channel, each of said removable sections having a cartridge-supporting frame attached thereto including filter-diffuser cartridge retaining elements, each of said filter-diffuser cartridges reposing in one of said frames and being removable with said removable section.

2,239,509
VITREOUS ENAMEL TANK CONNECTION AND METHOD OF CONSTRUCTION
Otto E. Uecker, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 24, 1938, Serial No. 215,650
4 Claims. (Cl. 29—157.4)

1. A connection in a vitreous enamel protected hot water tank, comprising a tank section having an outwardly formed tubular extension thereto, a flange integrally attached to the tubular extension and providing a smooth interior surface for the connection with curved surfaces of substantial radii for receving the vitreous enamel coating, the wall of the extension having added thickness circumferentially thereof to provide a portion thicker than the tank section, the added thickness being gradual to provide uniform contour for preventing stress concentrations during fusing of the enamel and in service, and a protective vitreous enamel coating on the inside of said connection and extending through the opening.



2,239,510
SYSTEM FOR CHARGING A STORAGE BATTERY
Sten Daniel Vigren, Stockholm, Sweden, assignor to Ackumulator - Fabriksaktiebolaget Tudor, Stockholm, Sweden, a joint-stock company of Sweden
Application February 10, 1939, Serial No. 255,610
In Sweden April 2, 1937
8 Claims. (Cl. 171—314)

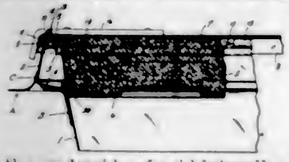


1. In a system for charging a storage battery connected to consuming apparatus, the combination with a full rate current charging circuit, a normally closed switch device connecting said charging circuit with the battery, a voltage relay including an armature controlling said switch device so as to open said charging circuit when the armature is attracted by the relay, and a first circuit connecting the battery with said relay when the consuming apparatus is at rest, said relay, when connected with the battery solely by said first connecting circuit being adapted to attract its armature upon rising of the battery voltage above a predetermined maximum, of a second normally open circuit for connecting said relay with the battery to pass a current through said relay in a sense opposite to that of the current transmitted by said first connecting circuit and to effect a magnetic reversal in the relay, and a load current controlled switch for closing said second circuit when the battery discharges into the consuming apparatus, said second connecting circuit being adapted to change the characteristics of the relay in such a manner that, after the magnetic reversal and as long as load current is flowing, the armature is attracted and the charging circuit is opened at a predetermined battery voltage lower than said maximum voltage.

2,239,511
HATCH PLUG CONSTRUCTION
Victor E. West, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application January 18, 1940, Serial No. 314,378
20 Claims. (Cl. 105—377)

1. A hatch plug for a refrigerator car roof, said plug having a metal body of inverted pyramidal

shape and a metal top extending laterally beyond said metal body, a wooden sealing strip se-



cured to the underside of said laterally extending portion of said metal top and a compressible pad secured to the sides of said metal body.

2,239,512
HATCH PLUG
Victor E. West, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application February 2, 1940, Serial No. 316,910
15 Claims. (Cl. 105—377)



2. A hatch plug comprising a hollow metal frame with curled top and bottom margins and compressible padding around the sides thereof, the upper and lower portions of said padding being bent around the curled top and bottom margins of the frame and provided with eyelets, and laces cooperating with said eyelets to hold said padding in place.

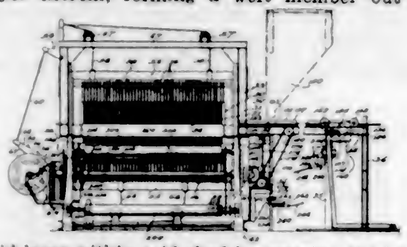
2,239,513
HATCH PLUG
Victor E. West, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application February 2, 1940, Serial No. 316,911
13 Claims. (Cl. 105—377)



1. A hatch plug comprising a metal side frame with inturned flanges at the bottom thereof and lower filler strips on said flanges, a metal bottom operatively secured to said frame and whose margins are above said filler strips, lining strips mounted inside of said side frame above said flanges, said frame, bottom and strips constituting the body of said plug, a pad covering the outer face of said frame with its longitudinal margins located within the outside limits of said frame, means for securing said margins of said pad on the body of said plug, a top for said plug, and means for securing said top to said plug.

2,239,514
MACHINE AND METHOD OF WEAVING INSULATION
William F. Astley, Cicero, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application June 23, 1938, Serial No. 215,397
29 Claims. (Cl. 139—11)

22. The method of manufacturing a blanket comprising arranging warp threads to form a shed, laying a layer of loose material, having elements extending in random directions in between the warp threads of said shed to form a layer therein, forming a weft member out of



said layer within said shed by pressing the layer of loose material toward the junctures of the warp threads, and crossing the warp threads to confine the weft member so formed between said warp threads.

2,239,515
ALKYL-ARALKYL ETHERS SUBSTITUTED BY HIGH MOLECULAR WEIGHT ALKYL GROUPS
Jeffrey Hobart Bartlett, Cranford, N. J., and Melvin F. Fincke, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 21, 1936, Serial No. 97,180
3 Claims. (Cl. 260—611)

1. As an improved wax modifier, a product having the general formula $R—O(CH_2)_n—ArR'$, in which R is an alkyl radical, n is an integer, Ar is an aromatic radical and R′ represents at least one aliphatic hydrocarbon chain of at least 10 carbon atoms.

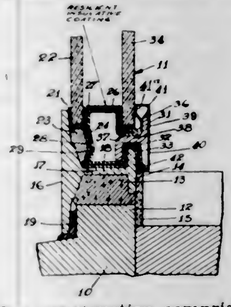
2,239,516
UNDERGARMENT
David Blair, Chicago, Ill.
Application December 11, 1939, Serial No. 308,613
3 Claims. (Cl. 2—27)



1. In an undergarment of the character described, a yieldable support for the abdomen of the wearer, said support comprising two resilient sections attached to the body portion of said undergarment and arranged on a bias relative to the transverse lines of said undergarment, the width of each of said sections, in a circumferential direction, being less than the distance between their points of attachment on said body portion, elastic members crossing one another at an angle and attached to each of said sections

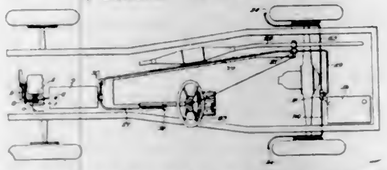
and to said body portion, two of said members when brought under tension arranged to apply an upwardly directed circumferential pull to the abdomen while the other two of said members when brought under tension being arranged to apply a downwardly directed circumferential pull to the abdomen, the opposing action of said pairs of elastic members effecting an elevation and flattening of the abdomen.

2,239,517
WINDOW CONSTRUCTION
Samuel F. Cox and Percy E. Knudsen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application January 26, 1939, Serial No. 252,917
6 Claims. (Cl. 189—64)



1. A window construction comprising a frame of bars having a pair of spaced flanges providing marginal channels, one of the flanges being of substantially greater width than the other, a sheet of glass engaging the wider one of the said flanges, a spacer bar disposed in the channel and engaging at one edge with the glass to maintain the latter in position, said spacer bar being of split tubular construction and having marginal portions outwardly bent to provide flanges, clamping members secured in the split, between the flanges, said clamping member being approximately of Z-shape cross-sectional outline and including a downwardly-directed inner flange and an upwardly-directed outer flange, a second sheet of glass being disposed upon the upper of the marginal flanges of the spacer bar and being maintained in position by the upwardly-directed flange of the clamping member.

2,239,518
SANDING DEVICE
James M. Gleason, Chicago, Ill.
Application April 14, 1938, Serial No. 201,857
7 Claims. (Cl. 291—3)

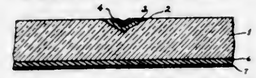


1. A sanding device for a vehicle comprising a sand box shaped to provide gravity feed to a bottom outlet, an outlet conduit connected with the bottom of said box having a normally open and upwardly closing check valve located therein and closable by gas-pressure, a horizontally elongated chamber centrally connected at its top side with the bottom of said conduit for receiving and retaining sand therefrom, sand delivery tubes connected with opposite ends of said chamber and leading to discharge positions in front of the driving wheels of the vehicle, said tubes being bowed upwardly between the chamber and their discharge ends to prevent gravity discharge of sand and valve controlled means for delivering a gas under pressure into said chamber arranged to act directly on said check valve to close the same and to blast the sand therefrom through said tubes.

2,239,519
REDUCING SOLUTION FOR SILVERING OPERATIONS
Alexander G. Gurwood, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 15, 1938, Serial No. 196,008
9 Claims. (Cl. 252—188)

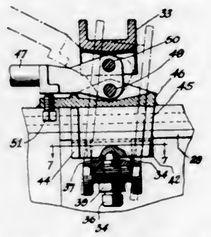
1. A reducing sugar solution for use in the silvering of mirrors comprising a water soluble organic acid selected from the group consisting of acetic, citric and tartaric acids, an aliphatic alcohol and a reducing sugar.

2,239,520
DECORATIVE MIRROR AND PROCESS OF MANUFACTURE THEREOF
Alexander G. Gurwood, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 18, 1938, Serial No. 235,607
6 Claims. (Cl. 41—22)



3. A mirror comprising a plate of glass, a suitable design in subrelief formed in one surface thereof, a colored glaze partially filling the subrelief portions of the design, a second glaze of a contrasting color superposed upon the first glaze, a silver reflecting film upon the opposite surface of the glass plate and a protective backing upon the silver film, underlying design for reflecting the colored glaze first applied to the indented portions thereof.

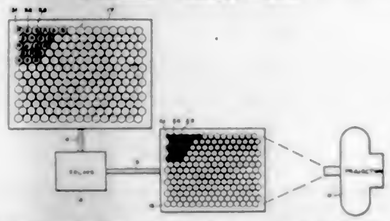
2,239,521
SHAKER CONVEYER
Loy D. Hagenbook, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 14, 1939, Serial No. 299,475
9 Claims. (Cl. 198—220)



1. An apparatus for extending or retracting one portion of a shaker conveyer trough line with respect to another or locking said portions of said

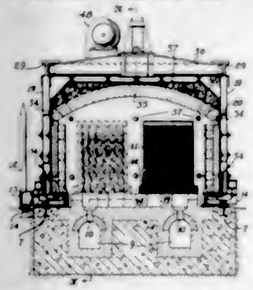
trough line together including a clamping member extending above and below the flanges of two trough sections of a shaker conveyer trough line, a slidable block adapted to engage the underside of one of said flanges, said clamping member having a portion extending beneath said block, a pivotal connection between said portion of said clamping member and the underside of said block, and means for rocking said clamping member upon certain strokes of the conveyer, for positively engaging said block with its associated flange, or permitting said block to be disengaged from said flange.

2,239,522
ANIMATED SIGN
John Hays Hammond, Jr., Gloucester, Mass.
Application November 24, 1937, Serial No. 176,150
1 Claim. (Cl. 177—346)



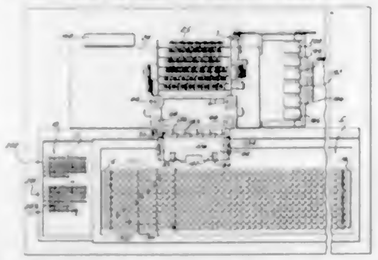
An animated display system comprising a bank of lights arranged in groups, each group comprising sources of three or more colors selected to represent a color combination adapted to reproduce a colored picture, a corresponding bank of photo-electric cells arranged in similar groups, each cell having associated therewith a color filter adapted to pass rays of the color of the corresponding light, each cell being adapted to pass a current proportional to the intensity of the selected color component of the light applied thereto, and relay means interconnecting each cell and the corresponding light, said relay means being adapted to energize said lights proportionally to the excitation thereof by said cells whereby a picture is reproduced by said bank of lights having gradations of color and light intensity corresponding to those of a colored picture projected on to said bank of cells.

2,239,523
ANNEALING FURNACE
Clarence B. Hoak, Steubenville, Ohio
Application September 26, 1940, Serial No. 358,431
4 Claims. (Cl. 263—43)



1. An annealing furnace comprising a casing, laterally-spaced walls disposed interiorly of the casing, one of the walls extending upwardly from the bottom of the furnace and terminating below the roof of the annealing chamber, burners discharging into the space between the walls and spaced from one another in a direction longitudinally of the furnace, at the bottom of said space, whereby the hot gases will move upwardly through said space and over said one wall, into the annealing chamber, the said one wall being of heat-radiating material whereby a substantial portion of the heat is passed into the annealing chamber by radiation, and vertically-disposed elements between said walls, in position to direct the major portion of the said gases in defined vertical paths to the top of the radiating wall.

2,239,524
RECORDING APPARATUS
Harold Glenn Johnstone, Oak Park, and Norbert Karl Engst, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application August 28, 1928, Serial No. 302,463. Divided and this application February 6, 1929, Serial No. 337,851
24 Claims. (Cl. 235—61.10)

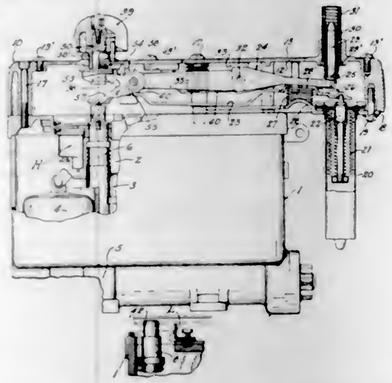


2. In a perforating apparatus, means for setting up a multiplicand and a multiplier, means connected with the setting up means to effect a multiplication, means including a plurality of perforating members controlled by the aforementioned means for perforating a multiplicand, a multiplier, and the product thereof in predetermined areas of a record sheet, and means for determining the location of the perforations representing multiplicand, the multiplier and the product thereof in the record sheet.

2,239,525
INTERCHANGEABLE MANUAL AND THERMOSTATIC CONTROL DEVICE FOR LIQUID FUEL BURNERS
Roy W. Johnson and Vernon R. Pawelsky, Milwaukee, Wis., assignors to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 3, 1939, Serial No. 254,406
7 Claims. (Cl. 236—99)

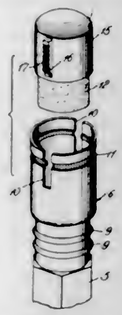
1. A thermostatically controlled liquid fuel feeding device comprising a casing having a liquid supply chamber provided with an outlet, a metering valve regulating flow through the outlet and biased to open position, means cooperable with the metering valve to limit its opening movement, a thermo-power element connected to the casing, a system of levers actuated by the thermo-power element and including a valve operating lever cooperable with the metering valve and effective when swung in one direction to close the valve and when swung in the other direction to allow the valve to open, a stop cooperable with the valve operating lever to limit the

extent to which it is effective to close the valve, one of the levers in said system of levers having a shiftable fulcrum to vary the action of the system of levers under the influence of the thermo-power element, a valve shut-off lever acting when



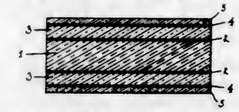
operative to completely close the metering valve, cam means for shifting said fulcrum, cam means for controlling the action of said valve shut-off lever, and a single manually operable control for both of said cam means.

2,239,526
REVERSIBLE ERASER TIP
David Juelss, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J., a corporation of New York
Application November 19, 1940, Serial No. 366,265
3 Claims. (Cl. 120—38)



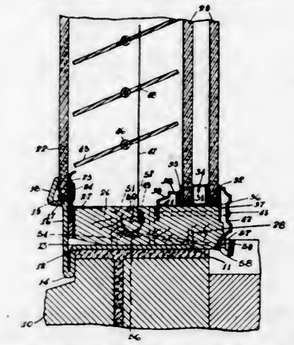
1. A reversible eraser device for pencils comprising a ferrule of inherently resilient material having a free slotted end, said free end of the ferrule having an inwardly depressed groove intermediate the ends of the slots, a cap for holding an eraser receivable in the free end of the ferrule, the cross-sectional shape of the cap generally conforming to the cross-sectional shape of the free end of the ferrule, ears formed on the cap adapted to be received in said slots, the relative sizes of the cap and the free end of the ferrule being such that when the cap is inserted in the free end of the ferrule the slotted end thereof is expanded and the cap is frictionally retained therein by the gripping action of the inner face of the depressed groove against the cap.

2,239,527
MULTIPLE LAMINATED GLASS
James W. Kamerer, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application July 12, 1938, Serial No. 218,785
3 Claims. (Cl. 49—92)



1. A multiplate safety glass comprising a plate of glass, the opposite faces of which are covered with a layer of a plasticized vinyl acetal resin, two additional plates of glass bonded thereto, layers of a cellulosic plastic material covering the outer faces of the second plates of glass and two plates of glass bonded to the outer layers of plastic material.

2,239,528
MULTIGLAZED WINDOW AND LIGHT SCREEN THEREFOR
Percy E. Knudsen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application January 26, 1939, Serial No. 252,915
3 Claims. (Cl. 20—56.5)

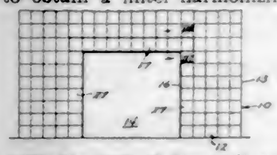


1. A triple-glazed window construction comprising a frame and three spaced parallel sheets of glass disposed therein and providing inner and outer sealed dead air chambers, a screen structure disposed in the outer dead air chamber and being adjustable to regulate the amount of heat and light passing through the construction and means operable externally of the construction for adjusting the screen.

2,239,529
LINTEL FOR OPENINGS IN BUILDING WALLS
Percy E. Knudsen, Pittsburgh, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
Application September 12, 1939, Serial No. 294,477
3 Claims. (Cl. 72—59)

1. A building construction embodying a series of structural blocks of rectangular vertical section laid up in vertical columns and horizontal courses to provide a wall, said wall having an opening formed therein and being provided with a lintel for the opening including a grid comprising a pair of spaced parallel bars in horizontal position and of high tensional strength, spaced vertical ties interconnecting the spaced bars and structural blocks inserted in the interstices of the

grid, the blocks coacting with and constituting reinforcements to prevent the flexure of the grid, whereby to obtain a lintel harmonizing in appearance with the rest of the wall and having high resistance to flexure, the ends of the grid resting upon and being supported by the columns of blocks constituting the jambs of the opening.

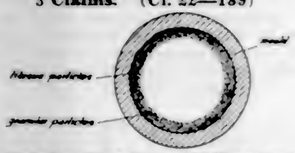


2,239,530

LINING COMPOSITION FOR CENTRIFUGAL CASTING MOLDS

Max Langenohl and Heinrich Projahn, Gelsenkirchen, Germany, assignors to United States Pipe and Foundry Company, Burlington, N. J.

Application January 3, 1939, Serial No. 249,008
In Germany January 10, 1938
3 Claims. (Cl. 22—189)



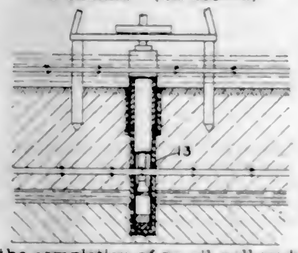
1. A lining structure for centrifugal molds made up in part of interlaced refractory elements of fibrous and/or flattish forms so as to impart to said lining the form and properties of a sponge-like compressible mat, and in part of granular sand-like particles of refractory material whereby the gas permeability of the lining is increased, at least part of the firbous and/or flattish elements being located at the inner surface of the lining, whereby to permit a reduction of the critical speed of rotation necessary to resist the washing away action of the inflowing metal.

2,239,531

DRILLING SUBMARINE WELLS

Frank C. Laurie, New York, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 31, 1939, Serial No. 292,767
2 Claims. (Cl. 255—1)



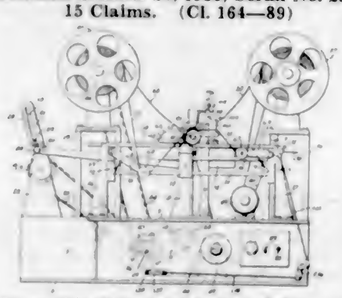
1. In the completion of an oil well under a body of water the steps which comprise drilling a bore hole a substantial distance into the earth below the water, setting casing in said bore hole of sufficient length to have its upper end extend above the surface of the water, keeping said upper end independent of the means used for drilling, filling with cement the space in the bore hole between the casing and the earth, continuing the drilling through said casing to extend said bore hole a substantially further distance into the earth, setting into said extended bore hole a second casing of such a smaller diameter than the first that an annular space is created between them, such second casing being of sufficient diameter to be used as a conduit for drilling equipment for further drilling, forcing cement into said annular space up to the top of the outer casing, allowing said cement to set, and then proceeding with the drilling operations through the second casing.

2,239,532

FILM TEMPO PUNCH

Royal C. McClay, Los Angeles, Calif., assignor to Warner Brothers Pictures, Inc., a corporation of Delaware

Application October 24, 1938, Serial No. 236,826
15 Claims. (Cl. 164—89)



1. In combination, a plurality of film reels, one of said reels supplying film to another of said reels, means for intermittently advancing said film from one of said reels to the other of said reels, means for punching said film during the stationary periods of advancement thereof, said intermittent advancing means for said film including a rack, means for oscillating said rack, movement of said rack in one direction advancing said film, and means actuated by said rack when said rack moves in the other direction for operating said punching means.

2,239,533

POUR POINT DEPRESSANT

Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 29, 1937, Serial No. 166,332
11 Claims. (Cl. 260—410)

1. An improved wax modifying agent comprising a polymer of a phenolic ester having a relatively long chain of carbon atoms containing a reactive group.

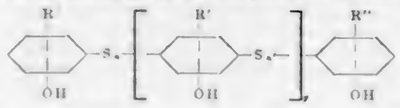
2,239,534

POLYMERIZATION AND CONDENSATION PRODUCTS

Louis A. Mikeska, Westfield, N. J., and Eugene Lieber, West New Brighton, Staten Island, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 2, 1939, Serial No. 293,304
16 Claims. (Cl. 260—608)

1. Polymerization and condensation products of phenol sulfides, having the following formula:



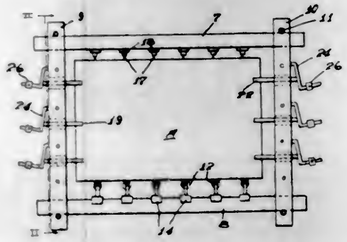
where R is an alkyl group of at least 4 carbon atoms, R' and R'' are selected from the class consisting of alkyl groups and hydrogen, n and n' are integers from 1 to 4 and y is an integer from 1 to 6.

2,239,535

APPARATUS FOR MAKING TEMPERED GLASS

Gerald Z. Minton and Lloyd V. Black, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application March 25, 1938, Serial No. 198,058
5 Claims. (Cl. 49—14)



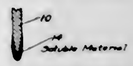
1. In an apparatus for supporting a rectangular glass plate in freely expansible relation in connection with the case hardening thereof, an upright frame including top, bottom and side bars defining a substantially vertical plane in which the glass plate is adapted to be supported; a series of rotatable members mounted in spaced relation on the bottom bar in the plane in which the glass plate is to be supported, said members having upper extremities aligned horizontally for uniformly supporting the glass plate along its bottom edge in freely horizontally expansible relation of the latter, and means carried by the side bars and engaging the side edges of the plate to hold the latter in a vertical position.

2,239,536

PROTECTED BLADE

Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application October 12, 1939, Serial No. 299,120
2 Claims. (Cl. 30—151)



1. A flexible razor blade having a ground bevel exposing the bright steel of the blade and presenting a sharp cutting edge and a protecting rounded bead of soluble transparent material enclosing the bright steel of the blade and providing a flexible sheath protecting it against corrosion and its sharp edge against mechanical damage.

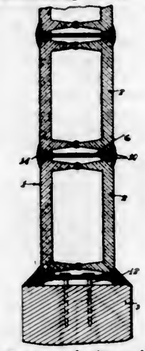
2,239,537

GLASS BLOCK MOUNTING

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application April 1, 1939, Serial No. 265,535
4 Claims. (Cl. 72—42)

1. A mounting element for securing glass blocks in superposed tiers comprising a substantially rigid metal strip, and pairs of spaced resilient spring flanges extending from the edges of the metal strip, the flanges being shaped to conform to the edges of glass blocks supported thereon.

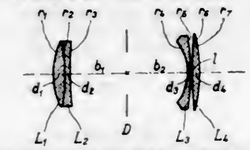


2,239,538

PHOTOGRAPHIC TELEOBJECTIVE

Robert Richter, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany

Application March 8, 1940, Serial No. 322,980
In Germany March 30, 1939
3 Claims. (Cl. 88—57)



1. In a photographic objective whose principal points lie before the front surface, the combination of a front positive and a rear negative lens system, both systems being in axial alignment and axially spaced a distance apart greater than one fifth and less than one half the focal length of the objective as a whole, each of said systems consisting of a converging and of a diverging lens, the diverging lenses of the two systems facing each other, the diverging lens of the negative system being a meniscus whose concave side faces the positive system, the radius of the hollow side of this meniscus being numerically greater than one tenth and less than one fifth of the focal length of the objective, the radius of the convex surface of this meniscus being numerically greater than double the radius of the concave surface and less than infinite, and the two lenses of the negative system being spaced apart by an air lens having the form of a diverging lens but with a converging power of refraction.

2,239,539

SEXTANT

Oswald Schmidt and Hermann Schrumpf, Jena, Germany, assignors to the firm Carl Zeiss, Jena, Germany

Application July 28, 1939, Serial No. 286,973
In Germany August 2, 1938
1 Claim. (Cl. 88—2.4)

In a sextant, a housing containing a stationary reflecting system, said stationary system having a partly reflecting and partly transparent surface and being for simultaneous viewing in two directions, two reflecting systems disposed in front of said stationary system, the one

of said two reflecting systems offering the horizon view and having relatively to said surface a position for permitting a transmission of the rays originating from the horizon by said surface, and the other of said two reflecting systems offering the view of the star and having relatively to said surface a position for permitting a reflection of the rays originating from the star by said surface, said other reflecting system be-



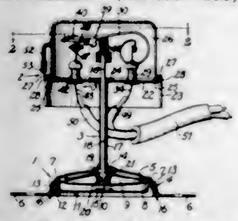
ing rotatable for adjustment of the altitude angle of the viewing direction, a circularly curved film which is blackened with a density increasing from the one film end to the other, said film lying in part between said stationary system and said rotatable system and being rotatably mounted on said housing about an axis parallel to the direction of the rays transmitted by said surface, and means for rotating said film.

2,239,540

THERMOSTATIC CONTROL

John A. Spencer, Newtonville, Mass., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Application January 27, 1936, Serial No. 60,987
Renewed September 15, 1939
13 Claims. (Cl. 200—138)



1. A thermostatic control comprising a hermetically sealed envelope substantially entirely formed from a material of high heat conductivity, a snap-acting thermostatic plate within said envelope, a controlled device within said envelope, and means connecting the plate and the controlled device for transmitting movement of the plate to the controlled device.

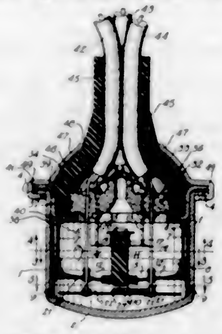
2,239,541

TEMPERATURE RESPONSIVE APPARATUS

John A. Spencer, Newtonville, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Application November 23, 1938, Serial No. 242,059
4 Claims. (Cl. 200—122)

1. A thermally responsive device comprising a cup-like metallic shell, a thermostatic electric switch mounted in said shell, an electrically operated heater mounted in said shell, and an electrical insulating material header plate hermetically sealing said shell across the open end thereof, said header plate having electrical connec-



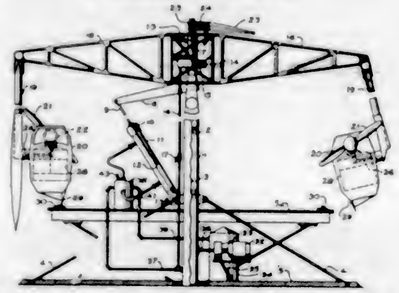
tions for the switch and the heater sealed therein, said shell being filled with a gas having a relatively high heat conductivity, whereby ambient temperature changes external to the device are quickly effective on said thermostatic switch.

2,239,542

AMUSEMENT RIDE DEVICE

Victor Stanzel, Schulenburg, Tex.

Application August 8, 1938, Serial No. 223,623
8 Claims. (Cl. 272—40)



6. In an amusement device including an upright stand, a transverse supporting structure on top of the stand and ships supported by the ends of the structure; means for pivotally and rotatably connecting the stand and transverse supporting structure comprising a fork formed on the upper end of the stand, a spindle pivotally connected to the fork, a laterally extending arm connected to the spindle, a rod connected to the arm by which the spindle and arm may be oscillated and a hub rotatable on the spindle and upon which the supporting structure is mounted.

2,239,543

MINERAL FORTIFICATION OF FOODSTUFFS

John S. Andrews, St. Paul, and Lacey H. Evans and Louis J. Huber, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware

No Drawing. Application October 9, 1939, Serial No. 298,692
5 Claims. (Cl. 99—83)

1. The method of fortifying edible flour and breakfast cereal with minerals which consists in

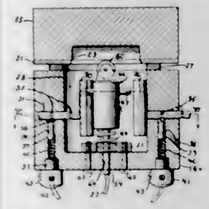
mixing a non-ionized salt of phytic acid, selected from the group consisting of copper, iron, and manganese phytates, with the edible product in the proportion of approximately .002% to 1%, by weight, of the phytate salt.

2,239,544

DIRECTION INDICATOR SIGNAL

Christ K. Antonopulos, Chicago, Ill.

Application November 20, 1939, Serial No. 305,232
10 Claims. (Cl. 200—59)



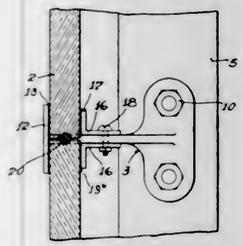
1. In an automatic turn signal control for automotive vehicles having a steering column and a hubbed steering wheel, the improvement which comprises a cam plate mounted on the steering wheel around its hub, said cam plate being formed to provide a recess in one end thereof, a switch box mounted on the steering column in closely spaced relation from the recessed end of said cam plate, and switch means being spring mounted at one end in said box for opening and closing signal circuits, said switch means having a portion at its other end adapted to extend into said base plate recess to open said circuits when the steering wheel is moved into a position for driving the vehicle in a straight line, said switch means portion also being adapted to swing in an arc about its spring mounting to close said circuits when the steering wheel is rotated to a position for turning the vehicle.

2,239,545

PANELED WALL CONSTRUCTION

William J. Aull, Jr., and George L. West, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application March 1, 1939, Serial No. 259,176
2 Claims. (Cl. 72—19)



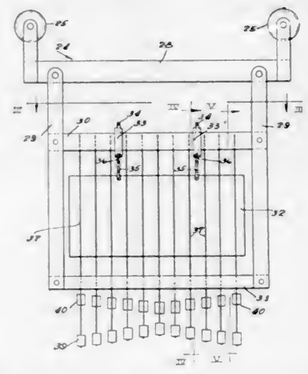
1. A paneled wall construction comprising a plurality of wall sections of uniform size, a supporting framework of spaced vertical members, spaced brackets secured to and projecting from said framework and supporting the wall sections, reinforcing members extending vertically and horizontally between the several brackets engaging the edges of the wall sections and lying within peripheral grooves provided therein, a face plate integral with each bracket engaging a small portion of the corner of the section resting thereon and preventing outward displacement thereof and clamps substantially of L-shape in cross section secured to each bracket to prevent inward displacement of the sections therefrom.

2,239,546

PROCESS AND APPARATUS FOR BENDING GLASS SHEETS

Lloyd V. Black and Gerald Z. Minton, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application March 30, 1938, Serial No. 198,870
14 Claims. (Cl. 49—7)



13. An apparatus for bending a glass sheet comprising means for supporting the sheet in a vertical position in such relation as to be freely responsive to forces tending to bend it, a series of wires arranged to define therealong a predetermined curved zone, backing means associated with said wires and cooperating therewith along the boundaries of the curved zone to hold the glass sheet, means displaceably supporting the wires whereby the latter are laterally movable for insertion of said glass sheet between the series of them and said backing means, tensioning means connected to the wires and exerting forces tending to maintain the wires in their zone-forming relation and operative to return them to their original zone-forming position after they have been displaced therefrom, and means for heating the sheet to softening temperature while the sheet is associated with the wires whereby the wires respond to the tensioning means in bending the glass sheet.

2,239,547

AMMUNITION

Willi Brun, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

No Drawing. Application September 23, 1938, Serial No. 231,403
8 Claims. (Cl. 52—4)

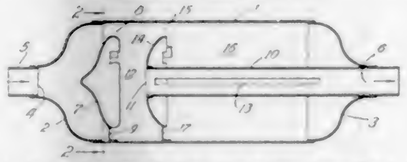
1. In the preparation of priming mixtures, the method which comprises the admixing of solid ingredients comprising an oxidizing ingredient, an abrasive, moist styphnic acid and moist basic lead styphnate, the mixture being maintained in a moistened condition whereby normal lead styphnate is formed by the reaction of said moist styphnic acid and moist basic lead styphnate.

2,239,548
WINDOW SOCKET WRENCH
Joseph F. Butler and Raymond J. Butler, Pittsburgh, Pa.
Application February 20, 1939, Serial No. 257,379
2 Claims. (Cl. 81—121)



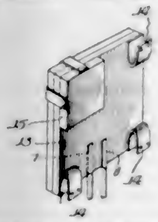
1. A socket wrench having a plurality of angularly spaced elongated windows of a length to embrace two notches or jaws of the wrench whereby to maintain alignment of a cotter key opening of the nut with each window when the wrench is engaged regardless of the position in which the wrench may be placed on the nut.

2,239,549
SILENCING DEVICE FOR PULSATING GASES
Alfred S. Chipley, Chicago, Ill., assignor to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application March 4, 1940, Serial No. 322,085
11 Claims. (Cl. 181—57)



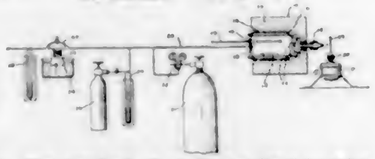
1. In a device of the character described including a cylindrical shell, a silencing section having an inlet and an outlet both disposed approximately at the axis of said shell, a transverse baffle member spaced downstream from said inlet and incompletely spanning the cross section of said shell to provide a substantially annular opening between said baffle member and said shell, and an open ended apertured tube extending from said outlet toward said baffle member and terminating short thereof, the area of said annular opening being not substantially less than the cross-sectional area of said tube, the construction and arrangement being such that all gases entering said silencing section at said inlet may travel therethrough in a generally forwardly direction without reversal.

2,239,550
BONE CONDUCTION HEARING DEVICE
Joseph R. Cubert, Chicago, Ill., assignor to Aurex Corporation, Chicago, Ill., a corporation of Illinois
Application November 20, 1939, Serial No. 305,277
8 Claims. (Cl. 179—107)



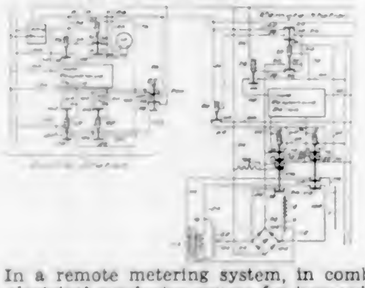
1. A piezo-electric bone conduction hearing device having an electric current input and a mechanical vibration output, comprising a crystal plate of rectangular form, and means attached at each of the four corners of the plate, for affecting the vibrations thereof, the means of at least one corner being all on one side of the plate and separate from the means of another corner, and there being at least three corners having practically the same kind of means, in combination with a bone conduction member subject to the vibrations of the crystal and adapted to be placed against the head and forming a support for said crystal, said means comprising spring supports for said three corners, with a weight at the fourth corner.

2,239,551
METHOD OF MAKING SEALING GLASSES AND SEALS FOR QUARTZ LAMPS
Robert H. Dalton and Martin E. Nordberg, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application April 22, 1939, Serial No. 269,496
14 Claims. (Cl. 49—79)



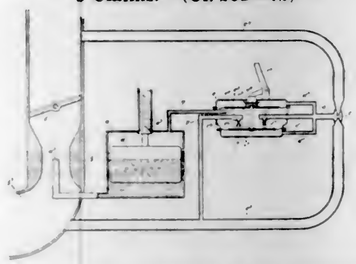
11. The method of coating a lead-in wire with glass, which includes introducing into the gas stream of a high temperature burner a gaseous mixture containing decomposable compounds of silicon, boron and aluminum in predetermined proportions, impinging the flame of the burner on a rotating refractory mandrel to deposit thereon an adherent deposit of the resultant oxide mixture, vitrifying the deposit to form a tube of glass, placing the tube on a lead-in wire and fusing the glass thereto.

2,239,552
REMOTE METERING SYSTEM
Gennero De Croce and Willard A. Derr, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 25, 1939, Serial No. 286,348
7 Claims. (Cl. 177—351)



1. In a remote metering system, in combination, electrical conductor means for transmitting a metering current from a remote station to a control station, metering current means for energizing said conductor means from the remote station with a current proportional to the quantity to be indicated at the control station, electro-responsive means connected to be energized by the current flowing in said conductor means, said electro-responsive means being operable only when energized by a current greater than the metering current, means responsive to the operation of said electro-responsive means for disconnecting said metering current means from the conductor means, and means for applying an operating current for said electro-responsive means to the conductor means.

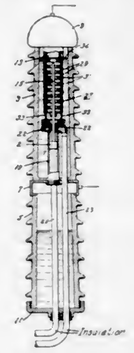
2,239,553
ALTITUDE CONTROL MECHANISM FOR CARBURETORS
Edward Dodson, Putney Heath, London, England
Application July 5, 1939, Serial No. 282,938
In Great Britain July 14, 1938
5 Claims. (Cl. 261—72)



1. Altitude control means for carburetors comprising a source of suction, a venturi having its intake open to atmospheric pressure, and its outlet communicating with the said source of suction and arranged to produce a critical velocity at the Venturi throat, a sealed carburetor float chamber, a branch pipe communicating at its one end with the throat of said venturi, a sealed casing, a pressure sensitive device in said casing, said branch pipe being connected to said casing so as to communicate with branch pipe inlets on both sides of the said device, an atmospheric pressure pipe connected to said casing and communicating with an atmospheric inlet on one side of the said device, a valve controlling the branch pipe inlet which is on the same side of the device as the atmospheric inlet and a valve controlling the atmospheric inlet, means operatively connecting said valves with said device whereby when the device is in a predetermined position both valves are closed but when the device is moved from said position in one direction one valve is opened and when the device is moved from said position in the other direction the other valve is opened, a pipe in the carburetor float chamber connected to said casing and communicating with its interior on the same side as the atmospheric inlet and loading means for the pressure sensitive device to cause the pressure in the float chamber pipe to exceed that in the branch pipe.

2,239,554
CIRCUIT INTERRUPTER
Paul Duffing, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1938, Serial No. 246,410
In Germany January 29, 1938
3 Claims. (Cl. 200—150)

1. In a circuit interrupter, a housing comprising a casing of insulating material and a hollow supporting insulator on which said casing is mounted, a grounded base for said insulator, a stationary contact mounted in said casing adjacent the upper end thereof, a cooperating vertically movable contact member in said housing movable upwardly into engagement with said stationary contact and downwardly away from said stationary contact toward the interior of said supporting insulator, oil pressure operating means for said movable contact comprising an actuating cylinder disposed inside said supporting insulator, an oil pressure operated piston movable in said cylinder and connected to the lower end of said movable contact member, an oil pressure conductor of insulating material passing through the grounded base of the supporting insulator extending upwardly in said insulator and communicating with the upper end of the cylinder, said oil pressure conductor being of larger diameter than said cylinder and concentrically enclosing said cylinder, a second oil pressure conductor of insulating material extending concentrically within said first mentioned oil pressure conductor and communicating with the lower end of the cylinder.



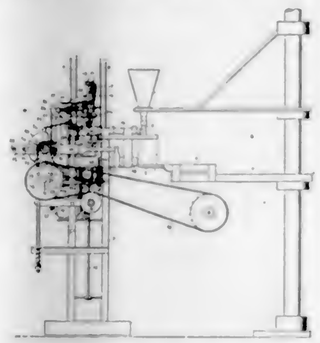
2,239,555
STABLE ROSIN ACID, ROSIN ESTER, AND ROSIN PRODUCT CONTAINING THEM AND A METHOD FOR THEIR PRODUCTION
Elmer E. Fleck, Silver Spring, Md., and Samuel Palkin, Washington, D. C.; dedicated to the free use of the People of the United States of America
No Drawing. Application March 19, 1938, Serial No. 196,956
9 Claims. (Cl. 260—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. The process for stabilizing rosin which process comprises heating the rosin at a temperature of about 200° C. to 300° C. in the absence of hydrogen and in the presence of a catalyst chosen from the group consisting of palladium carbon, platinum carbon, nickel carbon, and activated carbons until the rosin is stabilized, thence removing the catalyst and recovering the stabilized rosin.

2,239,556
APPARATUS FOR OPENING AND ORIENTATING SPOUTED CONTAINERS
Robert W. Forrer and Frank E. Gilbert, Rittman, Ohio, assignors to The Ohio Salt Company, Wadsworth, Ohio, a corporation of Ohio
Application March 25, 1939, Serial No. 264,268
13 Claims. (Cl. 226—129)

5. Apparatus for handling spouted containers

preliminary to filling, including means for automatically moving the spouts thereof to opened condition, means for orientating the containers by reference to their opened spouts, and means



for guiding the containers by reference to their opened spouts from said orientating means in predetermined relation to a position for subsequent handling.

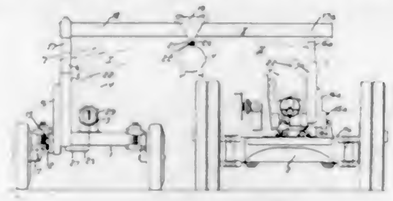
2,239,557
MEANS FOR OPENING THE SPOUTS OF SPOUTED CONTAINERS
Robert W. Forrer, Rittman, Ohio, assignor to The Ohio Salt Company, Wadsworth, Ohio, a corporation of Ohio
Application March 25, 1939, Serial No. 264,269
10 Claims. (Cl. 226—129)



7. Means for opening the pivoted spout of a spouted container from closed condition in contact with the spout-carrying wall of said container to opened condition, including a rotatable member having its axis perpendicular to the spout-carrying container wall and provided with means including a leading edge for entry between a part of the spout and said container wall, said means being shaped to maintain engagement with said spout part during full opening movement of the latter.

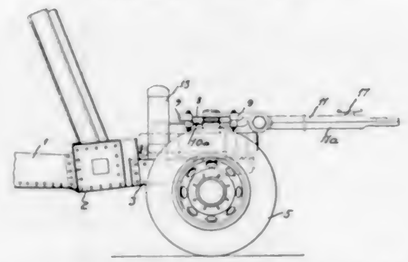
2,239,558
CONVEYER FOR GUNS
Victor Hammar, Bofors, Sweden, assignor to Aktiebolaget Bofors, Bofors, Sweden
Application December 5, 1938, Serial No. 244,113
In Sweden March 26, 1938
12 Claims. (Cl. 89—40)

1. In combination, a gun carriage and a transport carriage, hand-operable lifting means including a raisable and lowerable part on said gun carriage and on said transport carriage, a support on said raisable and lowerable part of each of said lifting means, a beam applicable be-



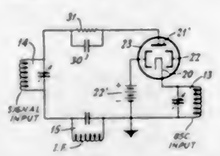
tween said supports, and a traveller movable on said beam for the transfer of the gun barrel from said gun carriage to said transport carriage and vice versa.

2,239,559
FIELD PIECE OR FIELD GUN
Victor Hammar, Bofors, Sweden, assignor to Aktiebolaget Bofors, Bofors, Sweden
Application December 5, 1938, Serial No. 244,112
In Sweden March 3, 1938
10 Claims. (Cl. 89—40)



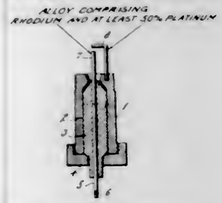
1. In combination, a gun carriage having split trails and a limber for said carriage, said limber being made in two detachable parts, individually firmly secured to each one of said carriage trails.

2,239,560
ELECTRON DISCHARGE TUBE AND CIRCUITS
Edward W. Herold, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 24, 1940, Serial No. 320,592
4 Claims. (Cl. 250—20)



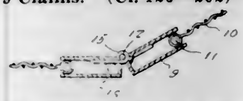
1. An electron discharge device including a cathode and an anode, and a shielding electrode comprising a pair of oppositely disposed shielding elements surrounding said cathode and between said cathode and anode, said shielding elements providing between them oppositely disposed apertures through which electrons may flow from the cathode to the anode, an input circuit connected to said cathode for applying a voltage of one frequency to said cathode and a second input circuit connected to said anode for applying a voltage of a different frequency to said anode, and means for maintaining said shielding electrode at a positive potential with respect to the cathode and the anode, and an output circuit connected between the two input circuits.

2,239,561
SPARK PLUG
Bernard Hopps, Rugby, England, assignor to Baker & Company, Inc., a corporation of New Jersey
Application January 17, 1940, Serial No. 314,228
In Great Britain January 19, 1939
7 Claims. (Cl. 123—169)



1. A sparking plug electrode consisting of rhodium alloyed with platinum, the platinum constituting at least about fifty percent (50%) of the alloy.

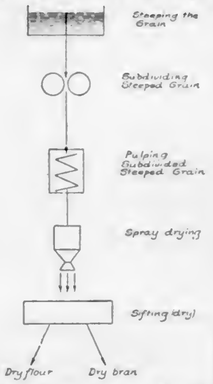
2,239,562
FIREPLACE SCREEN
James D. Kennedy, Chattanooga, Tenn., assignor to Cahill Company, Chattanooga, Tenn.
Application February 1, 1940, Serial No. 316,827
9 Claims. (Cl. 126—202)



8. A hinge connection for a pair of frame members, said frame members being of channel form and having an external vertical recess in one corner, each recess being provided with a slot, a hinge pin positioned in the recesses of the respective frames to close the space between adjacent edges of the frames, a pair of bearings journalled on the pin, flat plates projecting radially from the bearings and inserted in the slots of the frames, a notch on each plate adapted to receive an edge of the slot to prevent withdrawal of the plates from the frames and means for securing the bearings and pin against relative longitudinal movement.

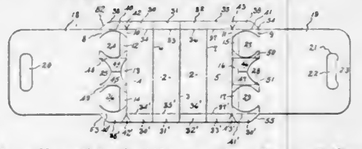
2,239,563
PROCESS FOR THE PRODUCTION OF FLOUR FROM GRAIN
Tage Jensen Klint, Munke Molle, Odense, Denmark
Application June 11, 1938, Serial No. 213,281
In Great Britain June 16, 1937
2 Claims. (Cl. 83—42)

2. A method of treating the endosperm-carrying husk portion of grain sifted from the flour after grinding, comprising the steps of steeping said endosperm-carrying husk portion and maintaining it below a cooking temperature during said steeping, forming a pulp from said steeped endosperm-carrying husk portion sufficiently liquid to be spray-dried, spray drying said pulp and



sifting the flour from the relatively coarse husk particles.

2,239,564
FOLDING BOTTLE CARRYING CARTON
Joseph L. Lyons, Jr., Chicago, Ill., assignor to Lyne Co., Chicago, Ill., a corporation of Illinois
Application February 21, 1940, Serial No. 320,070
2 Claims. (Cl. 224—45)



1. A collapsible bottle carrier formed from a single blank of material and adapted to carry two parallel rows of bottles, and comprising, in its erected or bottle-carrying condition, a bottom wall, side walls, a handle section, and a bottle-receiving section at each side of said handle section and adjacent the lower end of the latter, each of said bottle-receiving sections being joined at its outer edge to the upper edge of one of said side walls and being joined at its inner edge to the lower end portion of said handle section, each of said bottle-receiving sections having a row of spaced bottle-receiving openings formed therein and each of said rows of bottle-receiving openings including a central bottle-receiving opening and an additional bottle-receiving opening at each side of said central bottle-receiving opening, each of said side walls having an inturned marginal edge portion formed thereon at each end thereof and said marginal edge portions being adhesively secured to said side walls on the inner sides of said side walls, each of said bottle-receiving sections having a bottle-retaining flap formed thereon at each end thereof and there being one of said bottle-retaining flaps at the outer end of each one of said additional bottle-receiving openings, a bellows-fold connection between the said inturned marginal edge portion of each of said side walls and the adjacent one of said bottle-retaining flaps, said bottle-retaining flaps being collapsed against, and into substantially parallel relationship with, said bottle-receiving sections, and on the inner side of said bottle-receiving sections, when said bottle carrier is in a collapsed or folded condition and said bottle-retaining flaps being automatically moved into effective and downwardly

extending and bottle-retaining position as and when said bottle carrier is erected into bottle-carrying position, said handle section having extensions formed thereon at the lower end thereof and each of said extensions projecting into one of said additional bottle-receiving openings when said bottle carrier is in collapsed or folded condition and said extensions being adapted to extend downwardly so as to space and cushion adjacent bottles in said rows of bottles from each other when said bottle carrier is in erected condition, each of said extensions having an outer edge portion adapted to engage against the inner side of the adjacent one of said bottle-retaining flaps to urge the latter into effective and downwardly extending and bottle-retaining position as and when said bottle carrier is erected into bottle-carrying condition.

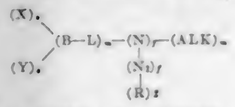
2,239,565

DIAZO-IMINO COMPOUNDS

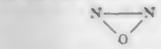
Eugene A. Markush, Jersey City, and Julius Miller, Newark, N. J., and John J. Malawista, Brooklyn, N. Y., assignors to Pharma Chemical Corporation, New York, N. Y., a corporation of New York

No Drawing. Application December 1, 1939, Serial No. 307,084
7 Claims. (Cl. 260—140)

1. Compounds possessing dyeing properties and represented by the following formula:



in which B is a residue of a member of the group consisting of members of the benzene series and of the diaryl series, L is a member of the group consisting of O, S, CH_2,



—N=N—, —O—CH_2—CH_2—O—, —CH=CH—, SO_2, and



connecting two benzene residues when B is a diaryl residue other than diphenyl and is equal to zero when B is a monoaryl residue or diphenyl residue and which is not disassociated when the diphenyl compound is coupled with the azotized aromatic amine, X is a sulfo group, Y is a carboxyl group, *m* is 1 or 2, *e* is 2 or 4, *f* is 2 or 4, ALK is an alkyl residue, R is a residue of a diazotized member of the group consisting of aromatic monoamines and aromatic diamines, and *z* is 2 or 4 when R is a monoamine and 1 or 2 when R is a diamine residue.

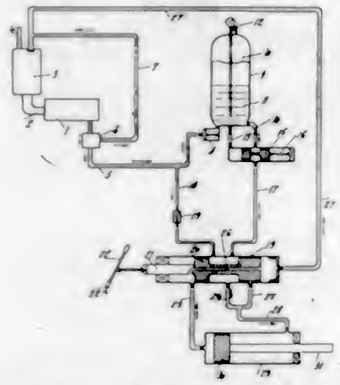
2,239,566

HYDRAULIC SYSTEM

Jean Mercier, Neuilly-sur-Seine, France

Application December 18, 1937, Serial No. 179,074
In France September 27, 1937
3 Claims. (Cl. 60—52)

2. A hydraulic system comprising a pump, a tank supplying liquid to said pump, said pump having a discharge pipe connected to the inlet of a hydro-pneumatic accumulator, a check valve in said accumulator inlet arranged to prevent flow out of said accumulator, said accumulator having an outlet controlled by a valve which closes the outlet when accumulator pressure drops below a predetermined minimum, a reversing valve structure, separate connections from the pump discharge pipe and said accumulator outlet to spaced points on said valve structure, a cylinder having a piston therein, a conduit connecting one end of said cylinder to said valve structure, a conduit from the other end of said cylinder and branched to connect with two spaced points on said valve structure, a return line between said valve structure and the supply tank, and a valve member in said valve structure, said valve member being movable to connect said one cylinder end to the pump discharge pipe and the other cylinder end to the return line, or to connect said one cylinder end to the return line and said other cylinder end selectively to either the pump discharge pipe, the accumulator outlet, or to both the pump discharge pipe and the accumulator outlet simultaneously.

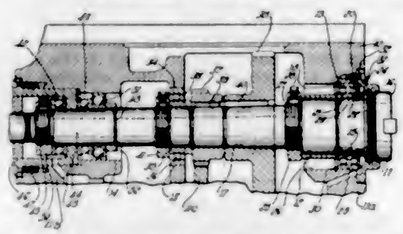


2,239,567

MILLING MACHINE SPINDLE CONSTRUCTION

Lester F. Nenninger, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application June 14, 1939, Serial No. 279,149
8 Claims. (Cl. 90—11)



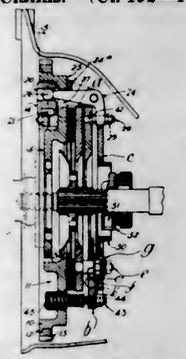
1. In a milling machine having a column and a cutter spindle, the combination of means for supporting the spindle for rotation in the column, said column having a number of aligned apertures formed therein, comprising radial bearings mounted in a plurality of said apertures for supporting the spindle against lateral movement at a plurality of spaced axial points thereof, and means mounted in another of said apertures for determining the axial position of the spindle relative to said column and for absorbing axial thrust on the spindle during actuation thereof.

2,239,568

CENTRIFUGAL CLUTCH

Noel Banner Newton, Acton, London, England

Application December 8, 1937, Serial No. 178,666
In Great Britain December 15, 1936
11 Claims. (Cl. 192—105)



1. The combination with an automatic clutch embodying relatively movable co-acting friction members, and means responsive to the rotative speed of the driving member for moving said members into engagement above a predetermined rotative speed, including a resilient member comprising springs having catch means for holding them in a pre-loaded condition to permit clutch release below the predetermined rotative speed, said springs being arranged to be further compressed by said movement and determining the pressure of engagement of the said members; manual means for disengaging said members by compressing said resilient member and means for releasing such catch means so that the resilient member may effect engagement of the said co-acting friction members below the said rotative speed and under the control of the said manual means, said catch means comprising a stud, having a shoulder, and a pivoted catch adapted to be engaged with or disengaged from the said shoulder.

2,239,569

DENTAL X-RAY FILM HOLDER

James B. Poindexter, Huntington, W. Va.

Application December 29, 1939, Serial No. 311,668
6 Claims. (Cl. 250—70)



2. A dental X-ray film holder comprising, a body part having a bite portion adapted to be received and held between the upper and lower teeth, and a film supporting back member carried substantially at right angles to the bite portion with the bite portion slotted and thereby separated in the middle area from the said back member to permit insertion of an X-ray film through the slot with its end portions exposed above and below said bite portion.

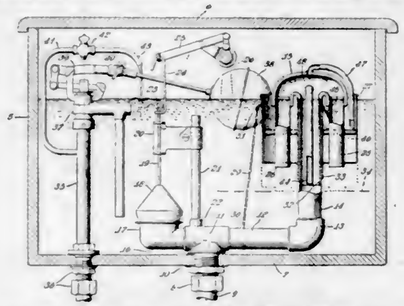
2,239,570

HAND AND SIPHON FLUSHER

Mike Pribula, Chicago Ill.

Application March 6, 1940, Serial No. 322,615
2 Claims. (Cl. 4—50)

1. A device of the character described, comprising in combination, a flush tank, a water discharge pipe extending through the bottom wall of said tank, a second pipe extending parallel to the bottom wall of said tank and connected to said discharge pipe, one end of said second pipe having a hollow tube projecting vertically therefrom, a siphon mounted for limited movement on the end of said hollow tube whereby to intermittently flush said tank, and hand operated means associated with the other end of said second pipe for flushing said tank.

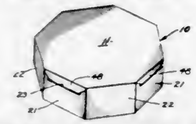


2,239,571

PACKAGE FOR FOOD PRODUCTS AND THE LIKE

Don Ray, Beverly Hills, Calif., assignor to Arden Farms Co., Los Angeles, Calif., a corporation of Delaware

Application August 25, 1939, Serial No. 291,885
4 Claims. (Cl. 229—14)



1. A container comprising an inner wrapper for a product, said wrapper having a central polygonal field and a marginal portion around the entire perimeter thereof for forming side walls when folded at right angles to the center field and being scored to form intermediate gussets, a cover wrapper having a central polygonal field and a marginal field adapted to receive said inner wrapper, the marginal field forming outer side walls agreeing with the side walls of the wrapper and providing tangs along edges thereof adapted to fold into the gussets of the inner wrapper, and a top cover of polygonal shape adapted to be placed over the cover wrapper to engage the same and to hold the parts of the container in their folded and formed condition and to close the container.

2,239,572

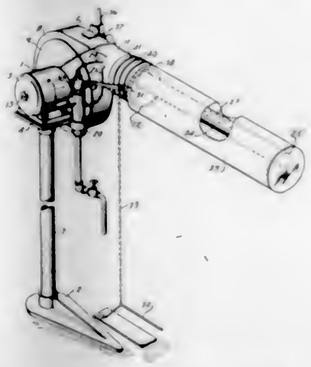
METHOD OF AND APPARATUS FOR FINISHING FABRICS

John H. Richa, Kansas City, Mo., assignor, by direct and mesne assignments, of one-half to said Richa and one-half to Charles B. Jones, Kansas City, Mo.

Application September 8, 1939, Serial No. 293,882
24 Claims. (Cl. 223—73)

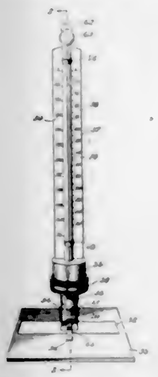
1. In an aparatus of the character described, a blower having an inlet and an outlet nozzle, a tubular arm connected with said nozzle and having outlet apertures, a permeable bag sleeved over said arm and secured with respect to the

nozzle, a heater connected to the inlet of said blower, an apertured pipe coextensive with said arm, a steam supply connected with said pipe



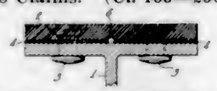
for introducing steam into said bag, and a heating coil supported in said arm for retarding condensation of said steam in the bag.

2,239,573
DEPTHOMETER
Floyd Roberts, Bismarck, N. Dak.
Application July 11, 1940, Serial No. 344,973
1 Claim. (Cl. 33—169)



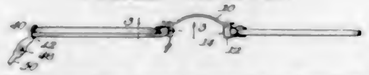
A depthometer comprising, a capillary tube formed of transparent material, a cylindrical base receiving the tube, liquid in the tube, a piston having a stem slidably mounted in the base, a diaphragm secured to the base and extending underneath the piston to seal liquid in the tube in contact with the top of the piston, the base being beveled on one side to the bottom face thereof to expose the lower end of the stem to view, a scale associated with the tube, a bulb having a vent orifice at the top communicating with the tube for replenishing liquid in the tube and permitting atmospheric pressure to act on top of the liquid in the tube, and a curved resilient leg secured to the base and having a curved lower end in the plane of the bottom of the base to co-act with the base in supporting the tube in vertical position.

2,239,574
BRAKE LINER
Carl A. Schell, Lower Makefield Township, Bucks County, Pa., assignor to Thermoid Company, Trenton, N. J., a corporation of Delaware
Application November 4, 1939, Serial No. 302,923
8 Claims. (Cl. 188—250)



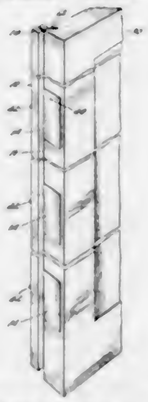
1. A brake liner having in the back thereof one or more recesses arranged so as to interrupt the continuity of the ear face portion of the liner in a transverse direction, the side walls of said recess or recesses being substantially parallel so as to permit variations in the effective width of the latter due to expansion or contraction of the body of the liner without materially affecting the normal effective thickness of said liner.

2,239,575
OPHTHALMIC MOUNTING
Isaac M. Schwab, Savannah, Ga.
Application January 22, 1940, Serial No. 315,113
7 Claims. (Cl. 88—41)



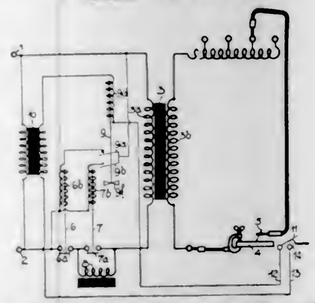
1. In a rimless type spectacle mounting, the combination of a substantially flat bridge member flexible in the direction of a lens axis and having substantially flat extremities, box studs each having a forward wall secured in substantially coextensive overlapping relation to the rear face of said bridge member at the respective ends thereof, lens straps secured to the outer side walls of said studs, side arms shaped to the upper peripheral contour of a lens each extending at one end into a box stud, respectively, means releasably positioning said ends of the arms within the respective studs, and a temple connection adjacent the other end of each arm.

2,239,576
HINGE RECESS GAUGE
Henry W. Selger, Elgin, Ill.
Application February 28, 1940, Serial No. 321,285
8 Claims. (Cl. 33—197)



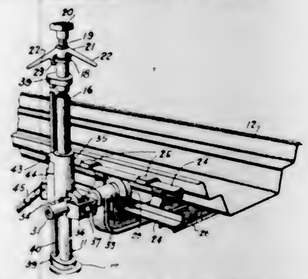
1. A hinge recess gauge comprising a rectangularly shaped tubular member having a slot medially down its front side, a plug in its upper end, a rotatable arm of a specified thickness mounted on said plug above the end of said tubular member at right angles thereto, a plurality of T-shaped templates positioned in said tubular member with a leg projecting through the slot therein and a fastening member adapted to extend through a hole in the rear side of said member for each of said templates, said holes being positioned to place the projecting portion of said templates in the exact location of hinge door recesses.

2,239,577
PROCESS FOR TERMINATING THE FLOW OF ARC WELDING CURRENT
Robert Olivier Louis Serckx, Saint-Gilles, Brussels, Belgium, assignor to La Soudure Electrique Autogène, Société Anonyme, Brussels, Belgium
Application August 24, 1937, Serial No. 160,684
In Germany August 5, 1937
1 Claim. (Cl. 219—8)



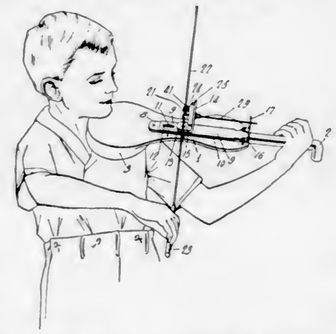
In a process of electric arc welding, the steps consisting in reducing the welding current from 30 to 35% for some seconds at the end of the welding operation, and subsequently breaking the current, these two steps being carried out while the end of the electrode is maintained in its normal welding position.

2,239,578
SHAKER CONVEYER
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 5, 1939, Serial No. 298,016
7 Claims. (Cl. 198—220)



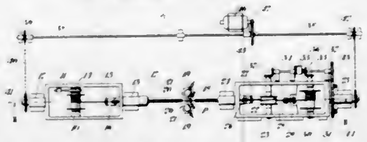
1. In a trough support for shaker conveyers, a pair of spaced apart supporting jacks adapted to be interposed between a mine roof and floor, a trough supporting roller mounted on each of said jacks, shafts on which said rollers are mounted, a member extending beneath said trough for connecting said shafts in aligned relationship, and an adjustable connection between each of said rollers and its associated jack, permitting adjustable movement of said shafts and rollers along said jacks when said jacks are in various angular positions with respect to the ground including an adjusting member mounted on each of said jacks, for movement therealong, each of said members having a portion for loosely receiving one of said shafts, means engaging each of said members for moving said members vertically along said jacks, and other means for clamping said shafts and members in position on said jacks comprising a clamping member mounted on each of said adjusting members and adapted to positively hold said associated shaft in engagement with its associated supporting jack.

2,239,579
BOWING INSTRUCTION AND PRACTICE DEVICE
David Solodar, Ephrata, Pa.
Application July 5, 1940, Serial No. 344,142
22 Claims. (Cl. 84—283)



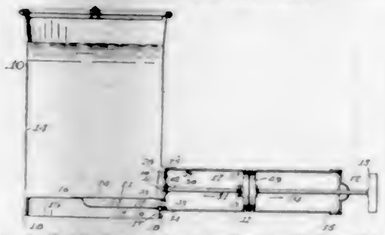
1. A device of the character described for instruction in the art of playing stringed instruments by bowing the strings comprising a base member, a holder for slidably receiving an element representing a bow, said holder being pivotally mounted with respect to said base member for rotation in a plane substantially parallel thereto by movement of said bow, and means movable with the holder for registration with indicia designating the correct bow position for all of the several strings of the instrument.

2,239,580
METHOD AND MEANS FOR REMOVING SURFACE IMPERFECTIONS FROM RODS AND WIRE
John Statz, Worcester, Mass.
Application June 16, 1938, Serial No. 214,172
6 Claims. (Cl. 51—5)



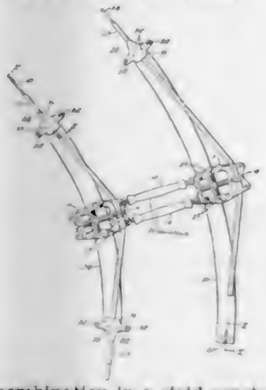
1. In the manufacture of wire the method which comprises subjecting the same to a metal removing action while it is maintained under tension, rotating on its axis, and advancing longitudinally.

2,239,581
FLUID-DISPENSING DEVICE
Edwin P. Sundholm, Albert City, Iowa
Application November 9, 1939, Serial No. 303,658
4 Claims. (Cl. 221—47.5)



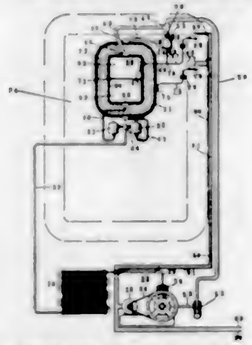
1. A fluid-dispensing device including a fluid reservoir having a discharge opening, a gun-barrel-receiving socket in communication with said discharge opening, a gun-barrel telescopically associated with said gun-barrel-receiving socket, a follower piston in said gun-barrel, an operating rod extending through the rear end of said gun-barrel and through said follower piston and guided by said follower piston in a more or less axial line with respect to said gun-barrel, and a shut-off operatively associated with the discharge opening of said reservoir, the operating rod and the shut-off bearing complementary engageable motion-transmitting means whereby the shut-off may be moved into either its open or closed position, at will, by and through said operating rod while the gun-barrel is telescopically associated with said gun-barrel-receiving socket.

2,239,582
OVERHEAD LINE CONSTRUCTION FOR TROLLEY BUS SYSTEMS
Nils A. Wahlberg, Pittsburgh, and John L. Crouse, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 10, 1937, Serial No. 152,914
6 Claims. (Cl. 191—40)



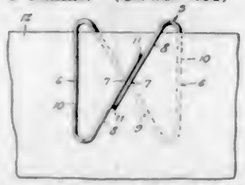
1. The combination in a rigid construction for overhead trolley systems, of a pair of rigid curved runner members each having a centrally disposed longitudinal web with an enlarged edge portion the width of which is substantially equal to that of a trolley wire, a protective wear sheath extending substantially the length of the web and crimped about the enlarged edge portion thereof, a downwardly inclined wire seating slot at each end of the runner member, an end member attached to the runner member having a wire seat with a width substantially equal to that of the trolley wire for securing the trolley wire in the said slot, and a separate renewable approach member adapted to be secured to the trolley wire and the runner member adjacent the end thereof comprising a U-shaped sheath having upstanding side portions adapted to be crimped about the trolley wire and the end portion of the enlarged edge portion on each side of the wire seat to provide constricted throat portions to interlock with the wire seat and provide a smooth approach for a current collector.

2,239,583
REFRIGERATING SYSTEM
Warren H. F. Schmieding, Columbus, Ohio
Application July 7, 1938, Serial No. 217,873
20 Claims. (Cl. 62—116)



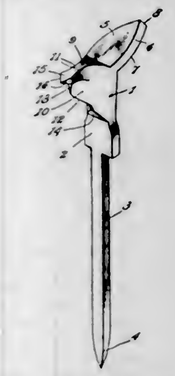
1. A refrigerating system comprising in combination, a plurality of heat absorbers, one of which provides a relatively low temperature for freezing and storing frozen products and another provides a relatively higher temperature for maintaining poducts above freezing temperature, a heat dissipator associated with the heat absorbers for removing heat from the latter including a fluid conduit continuously open while the heat dissipator is operating for the circulation of refrigerant through the second mentioned heat absorber, means responsive to a temperature slightly above 32 Deg. F. of the environment affected by the first mentioned heat absorber for varying the rate of removal of heat units from the first mentioned heat absorber.

2,239,584
CLIP
Howard Y. F. Zane, Honolulu, Territory of Hawaii, assignor to Yew Char, Honolulu, Territory of Hawaii
Application July 17, 1939, Serial No. 284,965
5 Claims. (Cl. 24—261)



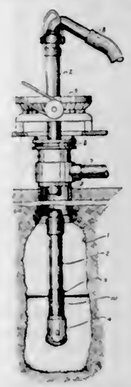
1. A clip formed from a single strand of wire bent to define a pair of triangles of which the angles of the apexes form vertical angles, the extremities of the strand lying in lateral overlapping contact and extending equal distances on opposite sides of the apexes.

2,239,585
PLASTER CUTTING TOOL
Ernest Amundsen, New York, N. Y.
Application December 26, 1939, Serial No. 311,054
5 Claims. (Cl. 72—138)



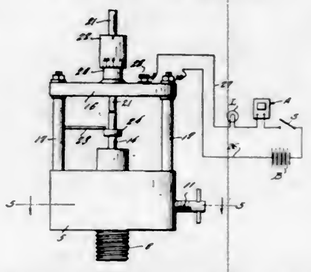
5. A tool of the character described comprising a head, a shank extending from the head, said head being formed with a laterally extending blade tapered to a point at its outer end, and a web depending from said blade and sharpened along its lower edge.

2,239,586
WELL WASHING APPARATUS
Peter W. Appleby, Odessa, Tex.
Application February 29, 1940, Serial No. 321,561
15 Claims. (Cl. 255—1)



1. A well washing tool comprising a body having an axial opening therethrough and adapted for connection with a string of pipe, said body having a lateral opening in position for communication with said axial opening, and means mounted in the body in position for movement to a closed position in the axial opening below the lateral opening in response to downward fluid flow in the axial opening for closing said axial opening and directing the fluid through the lateral opening, said means being constructed for movement laterally of the body out of the path of fluid flow through said axial opening.

2,239,587
TIMING DEVICE FOR FUEL INJECTION PUMPS
John H. Bertram, Boise, Idaho
Application October 14, 1938, Serial No. 235,089
1 Claim. (Cl. 200—82)

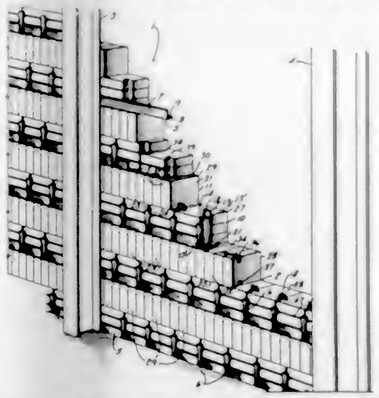


In a device of the class described, a body having a vertically arranged chamber therein passing through its top and a fluid inlet passage extending from the bottom of the chamber through the lower end of the body, said body also having a passage extending horizontally from the lower end of the chamber through a side portion of the body and said passage having a valve seat intermediate its ends, said body also having a vertically arranged passage therein extending from its upper surface downwardly to the horizontal passage where it connects with the horizontal passage between the valve seat forming part and the outer end of the horizontal passage, a valve passing through the outer part of the horizontal passage for engaging the seat to prevent flow of fluid through the vertical passage when the valve is closed, a pair of uprights having their lower ends connected with the top of the body, a plate having its ends supported by the upper ends of the uprights, means for insulating the said ends of the plate from the uprights, a plunger in the chamber with its upper portion passing from the top of the chamber, an enlargement on said upper portion, a spring carried by one of the uprights and engaging the enlargement for holding the plunger in lowered position, a micrometer assembly carried by the plate and including a screw depending from the plate in alignment with the plunger and engaged by the plunger when the plunger is forced upwardly by fluid entering the chamber, a terminal member connected with the plate and adapted to be connected with an electric circuit which is adapted to be connected with one of the uprights.

2,239,588
FURNACE WALL OR SIMILAR STRUCTURE
Bertram Lee Cassady, Tulsa, Okla.
Application April 17, 1939, Serial No. 268,328
16 Claims. (Cl. 72—101)

1. In a structure of the character described, a supporting frame, anchors carried by the supporting frame and having lateral wings spaced inwardly from said supporting frame, spaced courses of superimposed tiles having side portions engaging said lateral wings of the anchors, and

key tiles between the spaced courses of anchored



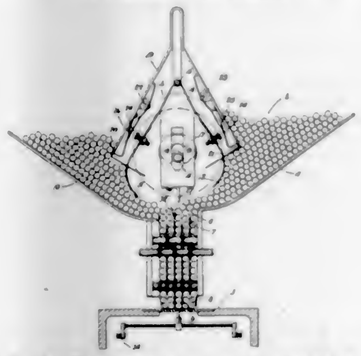
tiles for retaining engagement of the anchored tiles with said wings.

2,239,589

APPARATUS FOR FEEDING CIGARETTES AND OTHER ARTICLES OF SIMILAR SHAPE

John Walker Chalmers and Arthur Alfred Foale, Deptford, London, England, assignors to Molins Machine Company, Limited, London, England

Application January 27, 1937, Serial No. 122,672
In Great Britain February 6, 1936
16 Claims. (Cl. 226—5)



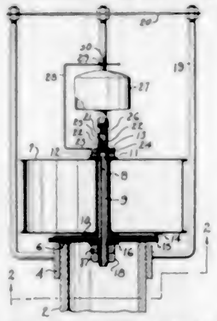
1. In feeding apparatus for elongated articles, the combination with a hopper receiving the articles, said hopper having an outlet in the lower portion thereof, guide means associated with said hopper for supporting said articles and directing the same toward said outlet, said guide means being downwardly inclined toward said outlet, the inclination of said guide means being less steep at points adjacent said outlet than at points more remote therefrom, whereby the rate of movement of said articles is retarded as the latter approach said outlet, and means movable into and out of the path of movement of said articles as the latter leave said guide means to establish a substantially parallel relation of the longitudinal axes of said articles, said last-named means being located at a distance from the discharge end of said guide means which is less than the smallest cross-sectional dimension of an article.

2,239,590

TANK VALVE ASSEMBLY

Neil E. Class, Sealy, Tex., assignor of one-third to F. F. Thompson, Kankakee, Ill., and one-third to C. B. Franks, Midlothian, Tex.

Application September 8, 1939, Serial No. 293,901
2 Claims. (Cl. 137—68)



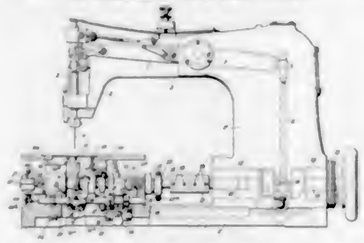
1. The combination with a tank discharge line of a valve controlling the flow of fluid from the tank through the line, a float connected to the valve, said float being arranged to control the valve so that only liquid is allowed to be discharged through said line, a by-pass through the valve adapted to equalize the pressure in the tank and in the discharge line, and a float valve adapted to control said by-pass.

2,239,591

LOOPER-ACTUATING AND RETRACTING MECHANISM FOR SEWING MACHINES

Andrew B. Clayton, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application February 20, 1940, Serial No. 319,827
10 Claims. (Cl. 112—200)



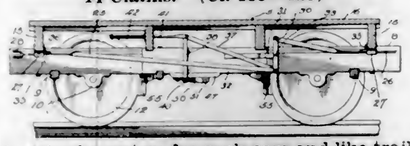
1. A looper-actuating mechanism for a sewing machine having a base, comprising a rotary main-shaft, a looper-shaft rotatably and translatably journaled substantially parallel to said main-shaft at one side of a vertical plane passing longitudinally through the axis of said main-shaft; a looper carried by said looper-shaft; a crank on said main-shaft; means, including a universal joint, connecting said crank with said looper-shaft to transmit oscillatory motions thereto from rotary motions of said main-shaft; an eccentric on said main-shaft; a stub-shaft journaled in said base at the opposite side of said vertical plane with its axis inclined away from said main-shaft; an arm secured to said stub-shaft and extending substantially lengthwise of said main-shaft; a pitman connecting said eccentric with the free end of said arm to transmit oscillatory motions to said stub-shaft; and a second arm connecting the other end of said stub-shaft with said looper-shaft thereby to transmit axial motions thereto from the oscillatory motions of said stub-shaft.

2,239,592

VEHICLE BRAKE SYSTEM

Robert A. Conner, St. Augustine, Fla., assignor to himself, D. L. Brett and Bertram C. Mickler, jointly, all of St. Augustine, Fla.

Application July 27, 1940, Serial No. 348,043
14 Claims. (Cl. 188—125)



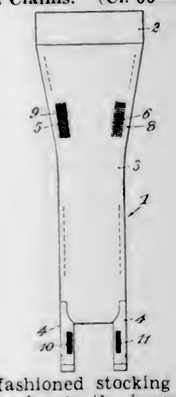
1. A brake system for push cars and like trailer vehicles comprising, in combination, a combined pull and thrust bar reciprocably mounted on the car frame, means at the relatively forward end of said bar for coupling the same to a motor car, a stop carried by said bar adjacent said end adapted normally to engage a fixed part of the car frame and operative to transmit draft to said frame, normally inactive wheel-braking means carried by said car, and actuating means therefor operative between the braking means and the bar to transmit to said braking means any rearward thrust on the bar occurring upon tendency of the push car to overrun its motor car and thereby to apply said braking means, said actuating means including a member pivoted for turning movement about a fixed axis in response to rearward thrust on the bar, a rock shaft, a pull link connection between the pivoted member and the rock shaft, and an operating connection between the rock shaft and the braking means.

2,239,593

HOSIERY

Joseph Wesley Crawford, Boonton, N. J., assignor to Van Raalte Company, Inc., New York, N. Y., a corporation of New York

Application May 9, 1938, Serial No. 206,732
2 Claims. (Cl. 66—178)



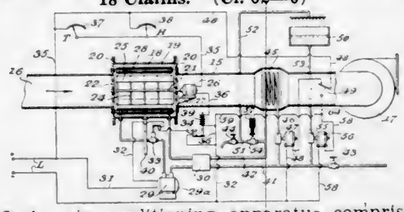
1. A full-fashioned stocking having areas of open work meshes in the inner knee portion on opposite sides of the selvage seam and adjacent thereto, said areas being of greater flexibility than the adjacent fabric of the stocking and providing a source of stretch supply for said fabric to draw from under stresses incident to bending of the knee, said open work areas being separated from the selvage seam by plain fabric areas.

2,239,594

APPARATUS FOR AIR CONDITIONING

William Warren Cummings, Jr., Marshfield, Mass.

Application September 20, 1938, Serial No. 230,830
18 Claims. (Cl. 62—6)



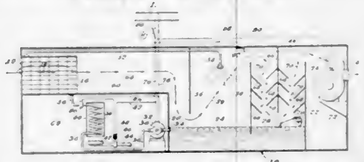
3. An air conditioning apparatus comprising a duct, means for inducing a flow of air through said duct to the region to be conditioned, said duct having a portion constituting a chamber, a rotary fan in said chamber for centrifugally forcing the air outwardly toward the peripheral wall of said chamber during its passage therethrough, and cooling means interposed between said fan and wall.

2,239,595

HUMIDIFYING APPARATUS

William Warren Cummings, Jr., Marshfield, Mass.

Application January 11, 1940, Serial No. 313,387
7 Claims. (Cl. 261—15)



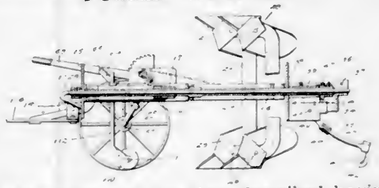
1. A humidifier for a space comprising a container having an inlet and an outlet, first means for drawing air from said space into the container through said inlet and expelling it into said space through said outlet, means for heating the indrawn air, a water reservoir in the container, a water heater, a gas burner therefor with an automatic pilot, a normally closed valve for admitting gas to said burner, a solenoid opening said valve on being energized, a spray nozzle in the container in communication with said heater and adapted to spray hot water through the flowing heated air into said reservoir, an electric pump for forcing water from the reservoir through said heater to said nozzle, and parallel energizing circuits for said solenoid and pump, respectively, and including a common switch for simultaneously opening and closing said circuits.

2,239,596

TWO WAY REVERSIBLE TRACTOR PLOW

William A. Doane, Dry Brook, N. Y.

Application January 4, 1940, Serial No. 312,422
4 Claims. (Cl. 97—26)



1. A machine of the class described having a wheeled frame including spaced apart transverse

members, a shaft fixed on the frame passing through said members, a tubular shaft journaled on the fixed shaft passing through said members, soil-treating means secured to the tubular shaft in spaced relation, so that the tubular shaft may be rotated to dispose either soil-treating means in operative position, and means to secure the tubular shaft stationary with respect to the fixed shaft in the adjusted positions of the tubular shaft.

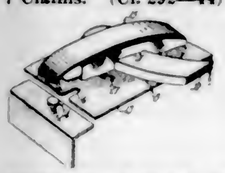
2,239,597

TYPEWRITER CARRYING CASE

William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application December 30, 1938, Serial No. 248,505

7 Claims. (Cl. 292—44)



1. In a typewriter carrying case, a latch adapted for pivotal movement on said case, a part engageable by said latch to lock said case, said latch comprising, an elongate inner member being formed with a loop intermediate its ends and having pivotal mounting means at one end and means at its other end adapted for engagement with said part; and a shell shrouding said inner member and secured to the loop portion of said inner member and providing a finger hold for pivotally moving said latch, said shell including a side wall having a notch adjacent the said loop to provide, together with said loop, a niche for accommodating a carrying handle.

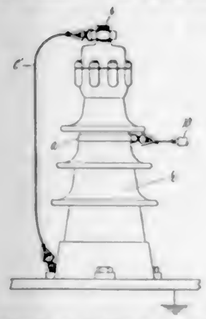
2,239,598

METHOD OF TESTING INSULATING BUSHINGS AND THE LIKE

Orville Emmett Fawcett, Mount Lebanon, Pa., and Frank C. Doble, Cambridge, Mass., assignors to Doble Engineering Company, Medford, Mass., a corporation of Massachusetts

Application January 29, 1938, Serial No. 187,586

5 Claims. (Cl. 175—183)



1. The method of testing grounded insulation supporting an electrical conductor which consists in placing a metallic collar around a part of said insulation between the grounded support thereof and the conductor, connecting the conductor to ground, applying alternating voltage of known magnitude to the collar, and taking measurements determinative of the energy loss and charging current or capacitance in the insulation between the collar and conductor.

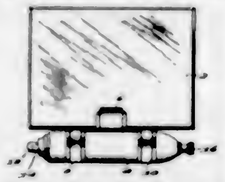
2,239,599

COMBINED LIGHT AND MIRROR

Irving Florman, New York, N. Y.

Application April 26, 1940, Serial No. 331,863

4 Claims. (Cl. 240—6.45)



1. In the combination of a mirror and a flashlight, said flashlight comprising an elongated body having a lensed end bulb projecting from one end of said body whereby both concentrated and unconcentrated light rays are emitted from said bulb longitudinally and transversely, respectively, of said body, and means mounting said mirror and said body for holding said body with its longitudinal axis parallel to and substantially coextensive with an edge and outwardly of the edges of said mirror whereby the face of a user of said mirror is illuminated by light rays emitted transversely from said bulb outside of the boundary of said mirror, and said longitudinally projected rays are usable as a concentrated flashlight beam of light.

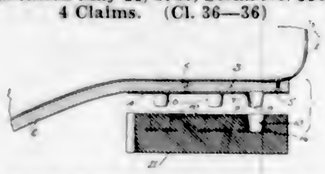
2,239,600

TRANSFERABLE HEEL

Roger Fogarty, New York, N. Y.

Application May 11, 1940, Serial No. 334,509

4 Claims. (Cl. 36—36)



1. A transferable heel for footwear including a plate adapted to be secured to the bottom of the footwear at the heel portion thereof, a plurality of truncated cone-shaped members upstanding from one face of said plate, a heel body and a truncated cone-shaped socket adapted to be embedded in said heel body positioned when in use so that the large end of the truncated cone-shaped member will face said plate so as to receive the truncated cone-shaped members on said plate for removably securing said heel body to said footwear.

2,239,601

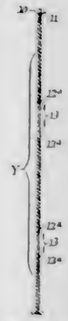
NOVELTY YARN AND METHOD OF PRODUCING IT

Alfred A. Forster, Drexel Hill, Pa., assignor to Clifton Yarn Mills, Clifton Heights, Pa., a corporation of Pennsylvania

Application May 3, 1940, Serial No. 333,084

5 Claims. (Cl. 57—144)

1. Novelty yarn in which a plurality of cover or sheathing threads surround spaced sections of a core thread, and in which the cover or sheathing threads are intertwisted in the intervals intervening the core thread sections.



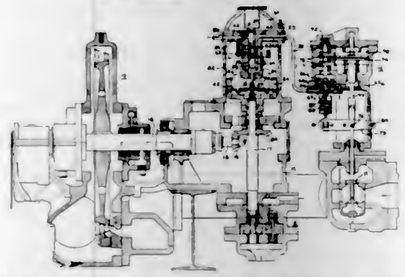
2,239,602

GOVERNING APPARATUS

Manious Gottlieb, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 28, 1939, Serial No. 281,595

15 Claims. (Cl. 264—7)



6. In governing apparatus, a pressure-responsive device; means for developing force which varies as a function of speed; spring means; a thrust member acted on by the resultant of the forces of said first means and of the spring means; speed-changing means; a pressure transformer providing transformed fluid pressure for action on the pressure-responsive device; said transformer including a control member in contact relation with respect to said thrust member and serving to secure changes of transformed fluid pressure in predetermined relation with respect to governing force changes; means responsive to transformed fluid pressure changes due to temporary speed changes incident to load changes to effect speed compensation with change in load; and means providing for the application of transformed pressure to the control member to secure modification of the transformed pressure to compensate for changes in scale of said spring means incident to adjustment of the speed-changing means over a wide speed range in order to minimize speed variations at each speed setting from no load to full load.

15. In governing apparatus, flyweights, spring means, a thrust member acted on by the resultant of forces due to the flyweights and the spring means, means providing a space for liquid under regulated pressure, said last-named means comprising a housing provided with a bore and a tubular member slidable in the bore toward and away from said thrust member and providing a discharge port for said space, a member in thrust-transmitting relation with respect to said thrust member and provided with a portion arranged in covering relation with respect to said discharge port and cooperating with the discharge end of the tubular member to define an annular escape orifice, means including a metering orifice for supplying liquid to said space, and means for adjusting the tubular member toward and away from said thrust member to provide, for a given escape area of the annular orifice and the corresponding regulated pressure, a change in speed dependent upon the extent and direction of adjustment.

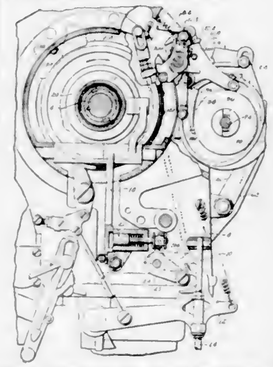
2,239,603

DRIVING AND STOPPING MECHANISM FOR SHOE SEWING MACHINES

Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application December 31, 1936, Serial No. 118,622. Divided and this application October 4, 1939, Serial No. 297,911

7 Claims. (Cl. 192—148)



1. A machine having, in combination, a main shaft, devices actuated by the shaft, driving and stopping means for said shaft, having forward and reverse driving mechanisms, a treadle rod for shifting from the forward to the reverse driving mechanism, mechanism for performing an auxiliary operation upon stopping the machine, and a control member arranged to be moved into or out of an active position by the treadle rod and to be actuated positively when moved to active position by reverse rotation of the shaft for causing said mechanism to perform said auxiliary operation.

2,239,604

SEDIMENTATION APPARATUS

Viggo Harms, The Hague, Netherlands, assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

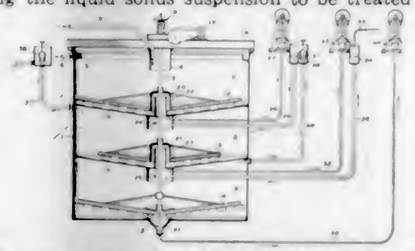
Application January 6, 1938, Serial No. 183,619

In Great Britain January 8, 1937

6 Claims. (Cl. 210—55)

1. In an apparatus for treating a liquid solids suspension, a tank structure divided into superposed compartments and comprising a lower compartment and an upper compartment vertically superposed immediately above the lower compartment, each compartment adapted to have a sludge bed formed therein from the settling solids and having means for overflowing super-

natant liquid, conduit means constituting a passage from the upper to the lower compartment and adapted in the normal operation of the apparatus to have trapped therein a substantially stationary body of settled solids; means for feeding the liquid solids suspension to be treated to



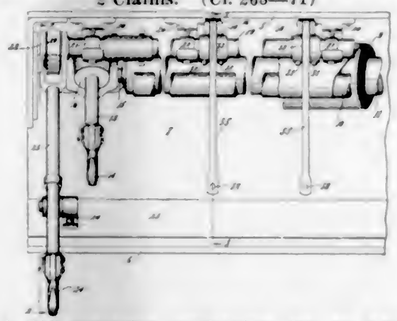
the upper compartment, means for withdrawing settled solids material from the bottom of said upper compartment to a point outside the tank at a rate to maintain said trapped body of settled solids in said conduit means, means for adding a liquid diluent to said withdrawn material, and means for introducing the mixture of the withdrawn material and said diluent into said lower compartment.

2,239,605

AWNING RECESS LID OPERATING MECHANISM

Henry C. Heiser, Parma, Ohio, assignor to The Astrup Company, Cleveland, Ohio, a corporation of Ohio

Application March 31, 1939, Serial No. 265,080
2 Claims. (Cl. 268—71)



1. Lid operating mechanism for an awning recess box including a lid operating shaft rotatably mounted in the box adjacent the top thereof, means for rotating the shaft, a lever arm secured on the shaft and projecting upwardly therefrom, and a link pivotally connected at its upper end to said lever arm and extending downwardly between said shaft and said lid, the lower end of said link being pivotally connected to the bottom portion of said closure lid, and said link being positioned to lie closely alongside the lid at all times.

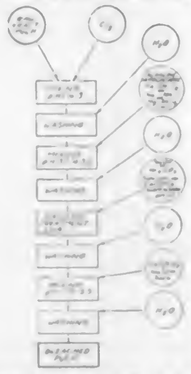
2,239,606

METHOD OF BLEACHING KRAFT PULP

Edward H. Hill and Ralph Hooks, Covington, Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware

Application August 25, 1938, Serial No. 226,676
8 Claims. (Cl. 8—105)

1. In a method of bleaching kraft pulp, the steps which comprise treating an aqueous suspension of the pulp with chlorine in an amount just sufficient to act upon substantially all the non-cellulosic constituents of the pulp and allowing the reaction to take place until substantially all the chlorinatable non-cellulosic matter has been reacted upon, then removing water-soluble



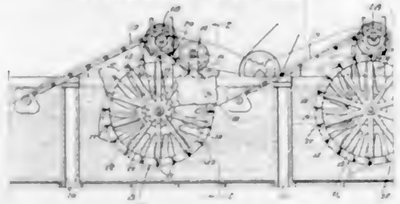
reaction products from the pulp, treating the same with hypochlorite solution at a pH in excess of 3.5 and less than 7 and removing from the pulp alkali-soluble reaction products by treatment with an alkali solution.

2,239,607

APPARATUS FOR WET-TREATING STRIP MATERIALS

James J. Himsworth, Collegeville, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware

Application October 4, 1940, Serial No. 359,815
17 Claims. (Cl. 68—158)



1. In an apparatus for wet-treating strip materials, a vat, an open reel in the vat having its periphery composed of a series of parallel uniformly spaced longitudinally extending bars, means to intermittently rotate the reel, means to feed the strip vertically to the upper surface of the reel to cause the same to enter between the bars, means to prevent transverse displacement of the portions of the strip above the reel during rotation of the reel, and means to withdraw the strip from the reel.

2,239,608

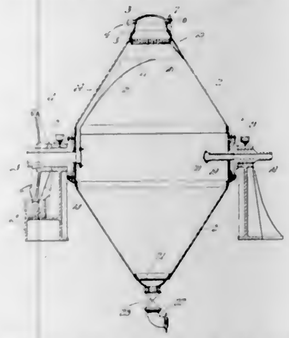
APPARATUS FOR THE TREATMENT OF CEREALS, STARCH, OR THE LIKE WITH FLUIDS OR BY HEATING

Erich Gustav Huzenlaub, Brentford, and John Heron Rogers, Elmhurst, Kenley, England

Application March 24, 1939, Serial No. 264,018
In Great Britain March 30, 1938
9 Claims. (Cl. 99—237)

1. In an apparatus for treating cereals and the like, a vessel mounted for rotation about

a pair of trunnions, one of said trunnions being hollow and adapted to be placed in communication with a source of steam or vacuum, passage means inside said vessel placing said hollow trunnion in communication with one end of said vessel, remote from the axis of rotation thereof, a baffle member located in said one end of said



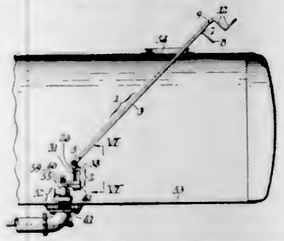
vessel between the outer end of said passage means and said axis of rotation, and means associated with said baffle member and having a plurality of small apertures, for placing said passage means in communication with said one end of said vessel, whereby said vessel may be stopped with said one end uppermost and vacuum applied without causing the material to clog said

2,239,609

APPLYING AND REMOVING DEVICE

James A. Jensen, Philadelphia, Pa., assignor to Charles E. Frick, Jr., J. Rodman McCoy, Elsie T. Heller, John H. Jensen, and James A. Jensen, copartners, trading under name of Philadelphia Valve Company, Philadelphia, Pa.

Application February 3, 1940, Serial No. 317,058
6 Claims. (Cl. 29—84)



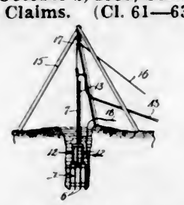
1. In an applying and removing device, a tubulate manipulator having a rigid fork at one end and a rotatable cap-bushing at the other; a wrench device including a yoke pivotally connected to the manipulator fork, a stationary jaw, a movable jaw and a coactive screw intermediate the stationary jaw and the yoke, said screw having journaled connection with the yoke and stationary jaw and the movable jaw threaded thereon for movement between said yoke and jaw, a coaxial shaft in the manipulator projecting beyond the fork and cap-bushing with rigid connection to the latter; a universal coupling between the proximate ends of said shaft and the wrench device screw; means whereby the manipulator is held stationary; and means for rotating the coaxial shaft to effect opening and closure of the wrench device jaws.

2,239,610

JETTING APPARATUS

Charles S. Kuna, Floral Park, N. Y., assignor of one-third to Albert K. B. Lyman and one-third to Earl M. Major, both of Newton, Mass.

Application October 2, 1939, Serial No. 297,425
6 Claims. (Cl. 61—63)



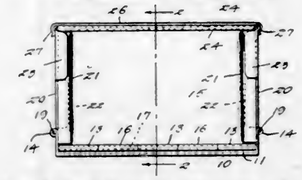
1. Apparatus for planting an object in soil or the like comprising a container having an opening in the bottom through which the object may be discharged, means for jetting fluid downwardly around the periphery of the container to assist in sinking the container to the desired depth in the soil, said means including a pipe joined to the container through which the fluid may be supplied and with which the container may be withdrawn, and a plunger having a head inside the container for discharging the object through said opening after the container has been sunk to the desired depth, said container having a horizontal dimension greater than that of the pipe and said plunger extending upwardly from the container outside the pipe.

2,239,611

FOLDING LUNCH BOX

Marcel Larin and Nelson Simard, Miami, Fla.

Application March 9, 1939, Serial No. 260,858
2 Claims. (Cl. 220—6)



1. A box of the class described having a base, end walls pivoted to the base on an axis spaced from the bottom of the box, the side edge portions of the end walls being offset a distance substantially equal to the thickness of the walls, side walls pivoted to the base on axes above the axes of the end walls, sets of flanges on said side walls in lateral disalignment interengaged with the opposite sides of the adjacent side edge portions to aid in maintaining the walls unfolded, said flanges having a width equal to the length of the offset portions.

2,239,612

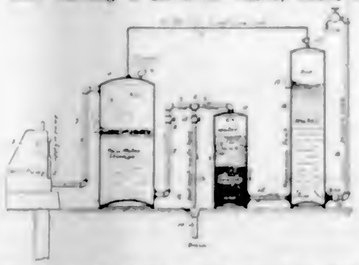
IRON REMOVAL APPARATUS

Joseph P. Lawlor, Ames, Iowa

Application June 13, 1940, Serial No. 340,383
8 Claims. (Cl. 210—26)

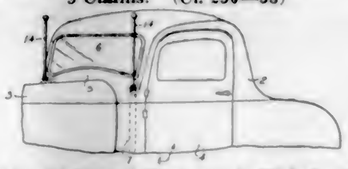
1. In an iron removal system, a raw water storage tank having a water space and having a compressed air space above the water level in the tank, means for admitting water and air into said tank, a repression tank having a water space and also having a compressed air space above the water level in that tank, a water service line connected to the water space of said repression tank

and having a back check valve, a filter, a pipe for conveying water from the water space of said raw water tank into the top of the filter, a pipe for conveying the filtered water from the filter into the water space of the repression tank, a back-wash line connected to the pipe which conveys the water from the raw water tank to the filter and having a shut-off valve, there being,



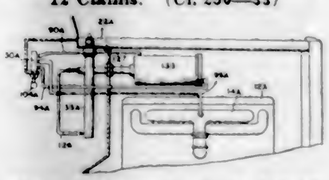
another shut-off valve in the pipe between the raw water tank and the place of connection therewith of said back-wash line, an air pressure equalizing line connecting the air space of the raw water tank with the air space of the repression tank, and a shut-off valve in said air pressure equalizing line.

2,239,613
ANTENNA MEANS
Cary W. Martin, Los Angeles, Calif.
Application August 9, 1937, Serial No. 158,129
5 Claims. (Cl. 250—33)



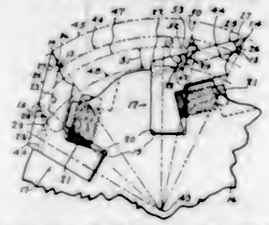
1. An antenna device, an insulated cylinder having a piston, means hermetically sealing the top and bottom of the cylinder, a rod vertically movable through the top and attached to the piston, means to conduct electricity from the rod exteriorly of the cylinder for the connection to a radio apparatus, said rod being hollow to accommodate another rod movable along the axis thereof and having means to conduct electricity between the rods, means to control the movement of the rod, said means including magnetically controlled valves and an electric switch having a neutral position to allow the valves to close.

2,239,614
EXTENSIBLE AERIAL
Cary W. Martin, Los Angeles, Calif.
Application January 29, 1940, Serial No. 316,153
12 Claims. (Cl. 250—33)



1. A radio aerial construction adapted to be supported within a vehicle body portion, comprising a casing assembly including a metallic tube, an insulating head portion closing the upper end of said tube, means for supporting said casing assembly with its upper extremity extending through and above a vehicle body portion, and with said insulating head portion projecting above and below the material of the body portion, said head having a passage extending longitudinally therethrough, an antenna element slidably extending through said passage and movable inwardly and outwardly with respect to the casing assembly but insulated therefrom by said head portion, piston means connected to an inner end of said antenna element within the tube to actuate and guide the same, said inner end of the antenna element also being insulated from the tube, means for directing fluid under pressure against said piston to actuate the antenna element, stuffing means located near the top of the casing assembly but below the portion of the body portion through which the assembly projects, for sealing the antenna element with relation thereto, and a vent connecting the exterior of the casing assembly with the passage in the head through which said antenna element extends, said vent being located below said portion which is adapted to extend through the vehicle body, whereby the pressures in said passage above and below said portion of the vehicle body may be neutralized.

2,239,615
L-SHAPED CUTTER KNIFE
August G. Melde, Seattle, Wash., assignor to Henry Disston & Sons, Inc., Seattle, Wash., a corporation of Washington
Application February 9, 1940, Serial No. 318,074
3 Claims. (Cl. 144—230)

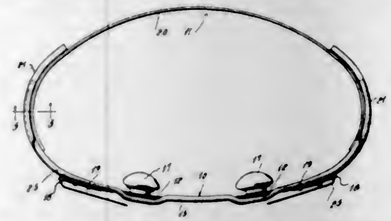


1. In a device of the class described, a cutter shank adapted to be connected with and positioned generally in a radial direction of a rotary cutter head; a knife member integral with and forming substantially an L-shape with said shank member; a first pattern surface on said knife member; a second pattern surface on said knife member extending in a plane diverging away from the plane of the first pattern surface as they approach the shank member; and a grinding face intersecting said two pattern surfaces and ground at a predetermined angular position and forming spaced apart cutting edges operable in radially spaced apart cutting circles when attached to a rotary cutter head, whereby relative radial variation in said cutting circles as the grinding face is reground at said predetermined angular position may be eliminated.

2,239,616
TRUSS
John H. Mergehenn, Catonsville, and Adolph Mergehenn, Baltimore, Md.
Application April 24, 1940, Serial No. 331,463
1 Claim. (Cl. 128—102)

In a truss of the character described, a front resilient section and a rear elastic section, each

end of the rear elastic section having a strap channel for the sliding reception of the ends of the resilient front section and adjustable connections between the front and rear sections, said front resilient section including a resilient metallic strip, a leather covering for the strip,

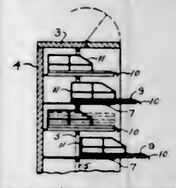


and said metallic strip being of reverse curve formation with opposite ends directed slightly downwardly whereby sliding movement of said ends in the strap channels effects upward movement of the rear elastic section into correct body engaging position.

2,239,617
PREPARATION OF IMINODIACETIC AND AMINOTRIACETIC ACIDS
John C. Moore, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 29, 1939, Serial No. 270,911.
2 Claims. (Cl. 260—534)

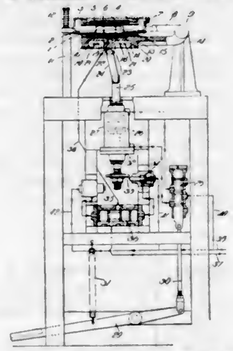
1. In a method for the preparation of iminodiacetic acid and aminotriacetic acid, the steps which consist in reacting a monohaloacetic acid with aqueous ammonia, removing glycine from the reaction product by precipitation with methanol followed by separation of the precipitated glycine from the methanol-containing solution, precipitating a mixture of iminodiacetic acid and aminotriacetic acids from said solution by treating the same with an acid to form a solution having a pH value between about 1 and about 3.5, separating the precipitated acids from the acidified solution, and separating said acids from each other by fractional crystallization from water.

2,239,618
DISPLAY CABINET
Harry Alfred Muirhead, Vancouver, British Columbia, Canada
Application April 10, 1939, Serial No. 266,931
3 Claims. (Cl. 312—188)



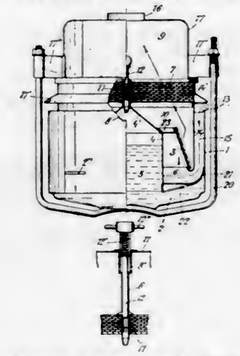
1. A cabinet having a rear support, an apertured partition and a plurality of rows of shelves, each of said shelves being secured to the rear support and projecting through an aperture in the partition and the shelves of one row being staggered with respect to the shelves of an adjacent row, each of said shelves being supported in part from the rear support and in part from the partition.

2,239,619
APPARATUS FOR STENCILING
John Blackburn Murgatroyd and John Goodland Gregory, Greenford, England, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application June 25, 1938, Serial No. 215,818
In Great Britain July 2, 1937
9 Claims. (Cl. 101—115)



1. In a stenciling apparatus, a stencil screen having pervious portions through which colouring material is adapted to be applied to the surface of a porous article, a perforate membrane in coextensive contact with the article for supporting the latter in contact with the screen, means cooperating with the screen, the article and the membrane forming a chamber on each side thereof and between which the screen, the article and the membrane constitute a dividing wall, and means for applying a differential pressure to the chambers to force colouring material placed on the screen through the latter and onto the article.

2,239,620
MEANS FOR FILTERING OR PURIFYING FLUID
Willy Neumann, Siedling, Ladeburg, near Bernau, Germany
Application March 9, 1938, Serial No. 194,726
In Poland October 11, 1937
3 Claims. (Cl. 183—15)



1. In a cleaner for air and other gases, a cup like member constituting a liquid reservoir, a bell of less diameter than and in communication at the open end with the cup member below the level of the liquid therein, a cylindrical member of less diameter than and defining with the side

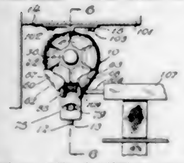
wall of the cup member a passage through which air is conducted into the cleaner toward the surface of the liquid in the cup member exterior of the bell, a tube connected in communication at one end with the bell above the liquid therein and having slots circumferentially spaced about the same opening to a region in the cleaner in which the pressure becomes increasingly less relative to the pressure on the liquid in the cup member exterior of the bell as the rate of flow of the air through the cleaner increases, and a plug slidably mounted in said tube to variably uncover the tube slots to said region and cause the liquid in the bell to be subjected to different pressures predeterminedly higher than the pressures in said region and proportionally less than the pressure to which the liquid in the cup member exterior of the bell is subjected and raise the level of the liquid in the bell and lower the level of the liquid in the cup member exterior of the bell proportional to the pressures to the liquid in the bell is subjected.

2,239,621

VENETIAN BLIND TILTER

Jules Nisenson, New York, N. Y., assignor to Unit Venetian Blind Supply Co., New York, N. Y., a corporation of New York

Application June 29, 1940, Serial No. 343,251
11 Claims. (Cl. 156—17)



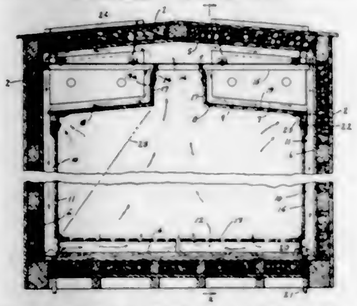
1. In a Venetian blind tilting mechanism having a pulley adapted to be engaged by a flexible element such as a cord or chain; a movable guide for said flexible element adapted in a first position thereof to maintain said flexible element in operative contact with said pulley, and in a second position thereof to lie spaced from said pulley whereby the flexible element may be removed entirely from the pulley or replaced; a frame element such as a casing; means associated with said frame element for shifting said guide from the second to the first position thereof.

2,239,622

RAILWAY REFRIGERATOR CAR

Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Application March 3, 1939, Serial No. 259,541
5 Claims. (Cl. 62—17)



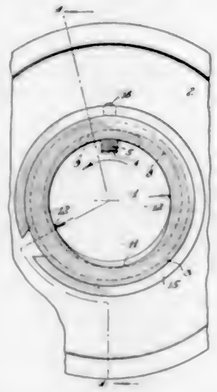
1. In combination with the ceiling, side walls and floor of a refrigerator car; refrigerant containers adjacent the ceiling and side walls of the car, a lading compartment adjacent and underlying the refrigerant containers, having a ceiling, side walls and a foraminous floor in adjacent, substantially parallel, spaced relation to said first named ceiling, side walls and floor, respectively, said last named ceiling terminating along its outer margin adjacent the upper margin of said last named side wall, and said foraminous floor terminating along its outer margin substantially coincident with the lower margin of said last named side wall, providing intercommunicating air spaces intermediate said lading compartment and the ceiling, side walls and floor of car, said lading compartment ceiling and side walls being substantially closed except for a longitudinally extending aperture in the lading compartment ceiling adjacent longitudinal center of car, providing air communicating means between lading compartment and refrigerant containers, and an aperture adjacent point of convergence of lading compartment ceiling and adjacent lading compartment side wall, said longitudinally extending aperture being provided with spaced apart, upstanding wall members cooperatively secured to adjacent marginal portions of lading compartment ceiling, and terminating along their upper margins below ceiling of car, the aperture adjacent point of convergence of lading compartment ceiling and adjacent lading compartment side wall having a deflector member cooperatively associated therewith to direct the movement of air therethrough, in a direction from lading compartment toward side will of car, in a downward direction.

2,239,623

SLITTING MACHINE

Charles Everett Oster, Rochester, N. Y.

Application February 19, 1941, Serial No. 379,663
14 Claims. (Cl. 164—70)



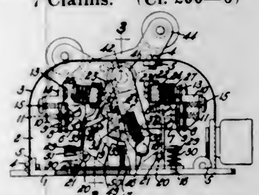
1. The combination with a rotatable spindle, of a clamping ring adjustable endwise on said spindle, a cutter mounted on the clamping ring, and a wedging cam locking member located between and engaging the spindle and clamping ring and acting to move the clamping ring transversely of the spindle when the clamping ring is turned relatively thereto, said locking member being held against turning movement on the spindle.

2,239,624

ELECTRICAL SWITCH MECHANISM

Charles E. Powell, Wadsworth, Ohio

Application June 1, 1939, Serial No. 276,875
7 Claims. (Cl. 200—6)



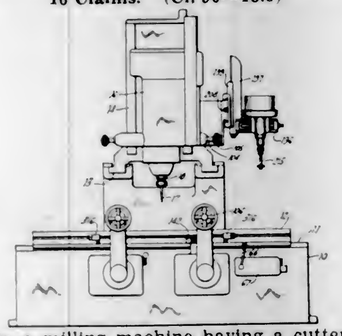
1. In electrical switch mechanism, a fixed switch element and a movable switch element carrying appropriate contacts and arranged in current making and breaking association, and relatively shiftable means for moving said movable switch element from open to closed position and vice versa, said shiftable means including an oscillatable member and means interposed between and bearing upon said movable switch element and oscillatable member respectively and thereby operatively connecting said oscillatable member with said movable switch element, the bearing for said interposed connecting means upon said oscillatable member providing for two optional points of connection of said means and member, so that when the oscillatable means is in one position and the connecting means are engaged with one bearing point thereon the switch contacts will be closed, and when the oscillatable member is in the same position and the connecting means are engaged with the other bearing point thereon the switch contacts will be open.

2,239,625

PROFILE MILLING MACHINE

Erwin G. Roehm, Norwood, and Hans Fritschi, Silverton, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application February 13, 1939, Serial No. 256,080
16 Claims. (Cl. 90—13.5)



1. In a milling machine having a cutter support and a work support, the combination of a power transmission for effecting relative movement between the supports including a rate determinator having a feed position and a rapid traverse position, a direction determinator having three different positions, a cam shaft having separate cams thereon and operatively connected for controlling each of said determinators, a control lever for rotating said shaft, detent means for holding the lever in any one of the three positions corresponding to the three positions of the direction determinator, said lever being movable against the resistance of said detent means to other positions to cause actuation of said rate determinator, said detent means being effective upon release of the lever to return it to a feed position.

2,239,626

RECOVERY OF NICKEL AND COPPER FROM NICKEL-COPPER MATTES

Helmut Schlecht and Leo Schlecht, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application February 15, 1939, Serial No. 256,512. In Germany March 10, 1938
6 Claims. (Cl. 75—72)

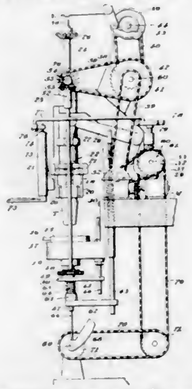
1. The process of working up nickel-copper mattes by chemically converting the nickel content and extracting it from the matte which comprises subjecting the matte before the chemical action to a long lasting heat-treatment under substantially non-oxidizing and non-reducing conditions at temperatures between about 400° and 900° C. whereby the reactivity of the nickel with the extracting agent is considerably enhanced.

2,239,627

METHOD OF AND APPARATUS FOR BURNING OFF GLASSWARE

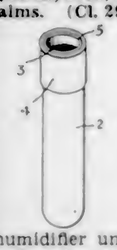
Harold R. Schutz, Toledo, Ohio, assignor to Libbey Glass Company, a corporation of Ohio

Application September 30, 1938, Serial No. 232,478
8 Claims. (Cl. 49—50)



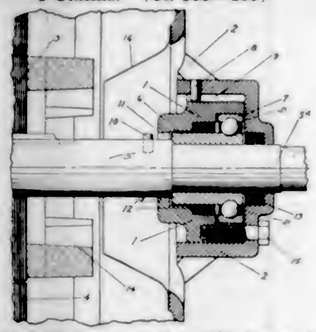
7. In apparatus for severing a moile from an article of glassware and finishing the article, the combination of a chuck adapted to grip the moile and suspend both the moile and article in an upright position, a burner positioned to apply a flame to the glass at the point of juncture of the moile and article, a cup positioned below the burner and in axial alignment therewith to receive and support the article when severed from the moile, means for effecting relative rotation between the chuck and cup about their common vertical longitudinal axis, mechanism for ejecting an article from the cup, means for elevating the chuck and moile and releasing the moile therefrom at a point above the burner, a moile plate operable to receive the released moile and transfer it to a position remote from the chuck, and means for elevating the article and subjecting the upper edge thereof to the flame during the interval between complete severance of the moile from the article and ejection of the latter.

2,239,628
TOBACCO HUMIDIFIER ELEMENT
Henry Seki, New York, N. Y.
Application April 12, 1940, Serial No. 329,221
4 Claims. (Cl. 299—20)



1. A tobacco humidifier unit, including a water receptacle, and a closure comprising a unitary assemblage removably fitted to the mouth of said receptacle, said unitary assemblage including two interfitting elements, one of which fits over the mouth of the receptacle, and a porous membrane, the margin of which is caught between the interfitting portions of said elements.

2,239,629
BALL BEARING RETAINER
Carl A. Sievert, River Forest, and Gerhard L. Freundt and Luther H. Heinichen, Chicago, Ill.; said Freundt and said Heinichen assignors to said Sievert
Application June 22, 1938, Serial No. 215,080
3 Claims. (Cl. 308—189)



1. In a ball bearing assembly for a shaft, a bushing pressed on the shaft and providing an inner ball race at one end thereof, a ring spaced from the bushing and providing an outer ball race, balls in said races, a packing ring surrounding the bushing, an inner housing section loose on the shaft and surrounding the bearing and having a collar formed with a longitudinal slot, a projection on the shaft for limiting longitudinal movement of the housing section but permitting longitudinal movement when the slot and projection are brought into registry, an outer housing section carrying a packing ring therein, a pin on one housing section, a groove in the other housing section and means for locking said sections together, said last mentioned means including openings in said housing members which are in registry when the pin is in the groove.

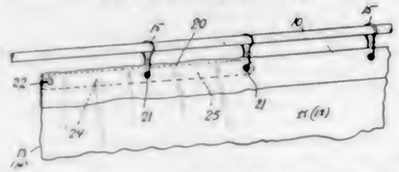
2,239,630
SHOWER CURTAIN
Jacob Tendrich and Max Tendrich, New York, N. Y.
Application July 27, 1940, Serial No. 347,857
1 Claim. (Cl. 156—10)

In a shower curtain suspended from a curtain rod and having its top edge folded and sewn to provide a reinforced top edge forming a pocket along said edge, a freely bendable member inserted within said pocket next to the edge of the curtain and extending inwardly therefrom, means for securing said member within said pocket, said member being bendable manually



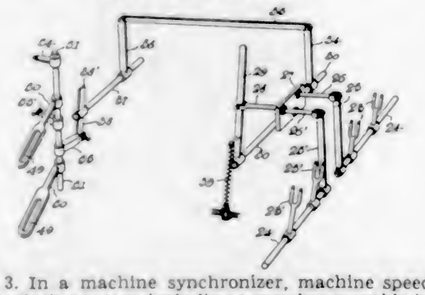
while the curtain is suspended to form curved curtain edges to correspond to the surface formation of the wall of a bathroom in which said curtain is to be used, and a stiffening element included in said member to retain the same in its bent formation to prevent splashing of water between the edge of the curtain and the bath room wall.

2,239,631
OVERLAPPING CURTAIN DEVICE
Jacob Tendrich and Max Tendrich, New York, N. Y.
Application March 22, 1940, Serial No. 325,318
3 Claims. (Cl. 156—10)



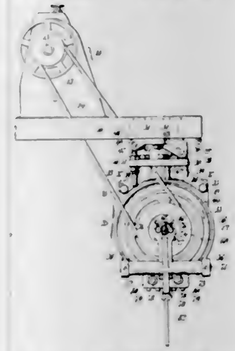
1. In a shower curtain device for providing overlapping curtain edges the combination with a shower curtain having a folded seam along its top edge forming a pocket along said edge, of an overlapping curtain bar member inserted within said pocket to be entirely concealed within the same and means securing said overlapping curtain bar member to the curtain.

2,239,632
MACHINE SYNCHRONIZER
Harold A. Tenn, Honolulu, Territory of Hawaii
Application April 16, 1940, Serial No. 329,996
4 Claims. (Cl. 60—97)



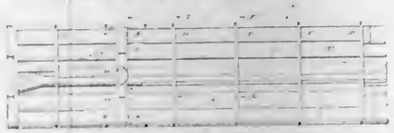
3. In a machine synchronizer, machine speed regulating means including a member movable in one direction to increase machine speed and in the other direction to decrease machine speed, severable driving means for said regulating means, severing means for said driving means including a second member movable in one direction to sever said driving means, and coacting means on said members for moving said second member in said one direction when the first mentioned member is moved an abnormal distance in either speed-increasing or speed-decreasing direction.

2,239,633
POWER TRANSMITTER
Charles S. Thompson, Elmhurst, and Philip B. Clark, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application November 20, 1939, Serial No. 305,214
4 Claims. (Cl. 192—17)



1. A driving unit for sewing machines and the like comprising a motor having a stator frame and separate end bonnets therefor, a rotary driving member with means for connecting it to drive the machine, and clutch means interposed between said motor and said driving member; means for mounting said motor on the supporting structure of the machine to be driven, for shifting movement relative thereto to tighten or loosen the driving connection between said driving member and said machine, including a motor support attached to said end bonnets independently of said stator frame; means for adjusting said motor support and motor relative to said supporting structure; an actuator for said clutch means mounted on said motor support, and thus moving with said motor relative to said supporting structure; and an operating connection for said actuator flexibly pivoted thereto to operate the same in all normal relations of said support and motor to said supporting structure.

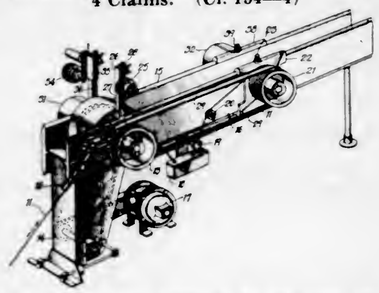
2,239,634
UNDERFRAME CONSTRUCTION
Nils A. Thunstrom, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application October 13, 1938, Serial No. 234,742
20 Claims. (Cl. 105—414)



10. An underframe structure including center and side sills, cross-bearers traversing the center sill and connecting the side sills and of such depth as to have greater stiffness between side sills than the center sill has between cross-bearers thereby to provide nodal points of the center sill, and crosstie members connecting the side sills carried by the center sill.

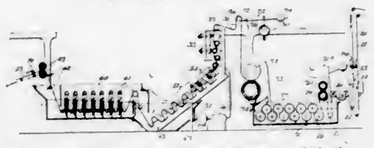
15. An underframe construction including longitudinally disposed side sills having transverse connecting members including end sills, bolsters, cross-bearers and crossties, a floor supported on the underframe, and a center sill embraced by certain of said cross members and secured to all of such members and having relative movement with respect to said floor by the flexibility of said members.

2,239,635
PROCESS FOR PRODUCTION OF ENDLESS BANDS
William R. Walton, Jr., Toronto, Ontario, Canada, assignor to Dunlop Tire and Rubber Goods Co. Limited, Toronto, Ontario, Canada, a corporation of Canada
Application January 29, 1938, Serial No. 187,703
4 Claims. (Cl. 154—4)



1. A method of forming an endless band of continuous cords which comprises leading an end of said cord successively about a pair of spaced rotatable surfaces to form a complete loop, fastening the leading end of the cord contiguous to a succeeding length thereof, rotating said surfaces to circulate said loop thereabout and draw successive lengths of said cord into contiguous loops to form a flat band, holding said cords in fixed positions on said surfaces during their passage thereover, covering said band with a layer of rubber, and pressing said rubber into interengagement with the loops of said band while holding said cords in position on said surfaces.

2,239,636
MERCERIZING APPARATUS
Ernst Weiss, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
Application May 22, 1939, Serial No. 274,967
In Germany October 15, 1937
7 Claims. (Cl. 26—1)



1. Apparatus for mercerizing fabric piece goods, comprising a series of devices for acting in close succession on a continuously moving strip of the fabric and including, means for first effecting a thorough penetration of the fiber with mercerization fluid, two series of spaced apart freely mounted idle rollers providing a substantially long path of fabric travel, means

for applying mercerizing fluid to said fabric substantially throughout said path of travel, said guide rollers and said fluid applying means being so constructed and arranged that said fabric is permitted a substantially uniform rate of continuous swelling and shrinkage during said path of travel, a pair of rotating squeezing rollers adjacent the last roller of said series of idle rollers and between which the fabric is engaged without substantial slippage after said path of travel through said swelling and shrinkage field, a pair of assemblies of "bent" idle spreading rollers over which the fabric is thereafter passed as a succession of loops, means for moving the fabric through the latter rollers at a higher surface speed than that of said squeezing rollers so as to cause substantial transverse stretching of the fabric as well as longitudinal stretching in cooperation with said squeezing rollers, and means positioned beyond said stretching means for then washing said fluid from the fabric, including mechanism for meanwhile carrying the fabric and substantially retaining the dimensions of same as thus stretched, until after said fluid is removed.

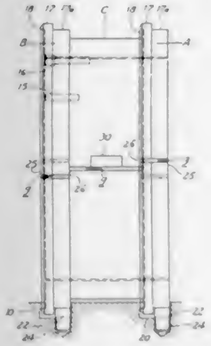
2,239,637

SPINDLE SEAL FOR FLUID PRESSURE MOTORS

John H. Zesewitz, Philadelphia, Pa.

Application April 30, 1940, Serial No. 332,613

6 Claims. (Cl. 286—10)



1. A spindle seal or labyrinth packing including concentric ribs on the rotatable spindle and stationary ribs within a ring surrounding the spindle to retard the flow of elastic fluid through the packing, of a suspension unit for supporting the stationary ribs of the labyrinth comprising a center ring and supporting rings at opposite sides thereof and rigidly connected thereto, the several rings being each made up of segments and the supporting rings constructed and assembled to form stepped overlapping joints between the individually connected suspension unit sections thus created, said stepped joints being adapted to obstruct and retard the flow of elastic fluid, and unidirectional laterally projecting flanges on the supporting rings; in association with a housing recessed to receive the suspension unit and having retaining ledges with which the lateral projections on the supporting rings engage for effecting central positioning of the suspension unit in the housing, and means for urging the individual segment assemblies of rings towards each other.

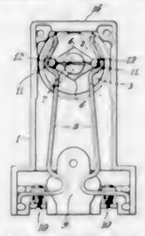
2,239,638

TUBE SOCKET

Milton Alden, Brockton, Mass.

Application August 14, 1940, Serial No. 352,493

8 Claims. (Cl. 173—328)



1. A tube socket including a body of insulating material, a slotted carrier rotatably mounted within said body and having a groove affording entry to the prongs of a tube base within the groove of said carrier and also allowing said prongs when inserted to describe arcs of rotation when said carrier is rotated, spring contacts mounted within said body and making contact with said prongs, respectively, upon the rotation of said carrier, said carrier being laterally expansible upon the insertion in the groove of a tube prong and said body being also provided with an entrance slit located in one edge thereof, through which slot said prongs can enter to seat within said groove in said carrier.

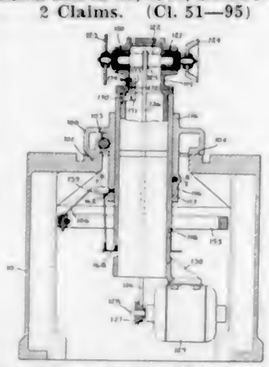
2,239,639

CUTTER AND TOOL GRINDING MACHINE

Charles H. Amidon, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 23, 1940, Serial No. 325,495

2 Claims. (Cl. 51—95)



1. In a grinding machine having a base and a longitudinally movable work table, a transversely movable wheel slide, a feeding mechanism to move said slide transversely, a vertically arranged cylindrical bore in said slide, a vertically movable, and angularly adjustable column in said bore, a rotatable grinding wheel mounted on the upper end of said column, an electric motor mounted on the lower end of said column, driving connections between said motor and said grinding wheel, a manually operable mechanism to adjust said column vertically in any position of said slide, and a counterbalance mechanism including a counterbalance ring surrounding said column, a plurality of idler pulleys supported on said slide and symmetrically arranged about said column, and a plurality of flexible connections

which pass over said idlers and are connected at one end to the counterbalance ring and at the other end to the lower end of said column.

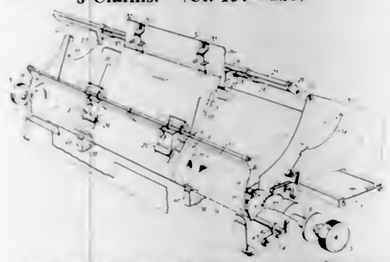
2,239,640

PAPER CARRIAGE FOR ACCOUNTING MACHINES

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application December 30, 1938, Serial No. 248,428

3 Claims. (Cl. 197—126)



1. In a carbon paper holding means for a paper carriage, arms pivoted on the carriage and connected by rods across their outer ends, a plate pivoted on one of said rods and springs connected between said plate and the other of said rods, said plate carrying a spring clip arranged to engage a sheet of carbon paper.

2,239,641

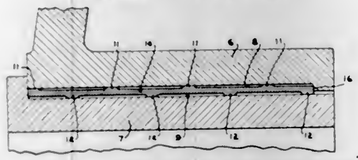
ELASTIC SLEEVE CONNECTION

Alfred Bierend, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 24, 1939, Serial No. 286,232

In Germany July 25, 1938

2 Claims. (Cl. 287—52)



1. In an assembly, inner and outer members having opposed coaxial surfaces and an intermediate bushing having a pressure fit with respect to said surfaces, said bushing having staggered inner and outer circumferential ribs engaging said surfaces to maintain it normally elastically deformed and to seal the space between the members.

2,239,642

COATING OF ARTICLES BY MEANS OF CATHODE DISINTEGRATION

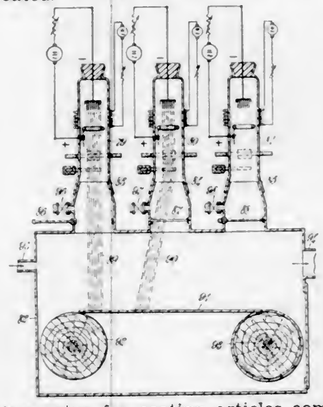
Wilhelm Burkhardt, Berlin-Grunewald, and Hermann Ramert, Rudolf Reinecke, and Eilhart Wehnelt, Berlin-Lankwitz, Germany, assignors to Bernhard Berghaus, Berlin-Lankwitz, Germany

Application May 21, 1937, Serial No. 144,080

In Germany May 27, 1936

19 Claims. (Cl. 204—192)

3. A method of coating articles by cathode disintegration wherein the article to be coated is arranged in a closed vessel having a cathode and an anode therein which comprises, impressing a voltage across the anode and the cathode to move electrons from the cathode towards the anode and disintegrate particles from the cathode, electrically charging the particles disintegrated from the cathode, and collecting and guiding the charged particles onto the article to be coated.



10. Apparatus for coating articles comprising in combination, a closed vessel, a cathode and an anode within said vessel, means for supporting an article to be coated within the closed vessel, a current source for impressing a voltage across said anode and said cathode to disintegrate particles from the cathode, magnetic means adjacent the cathode for electrically charging said particles and said magnetic means being arranged to collect and move the charged particles in the collected state onto the article to be coated.

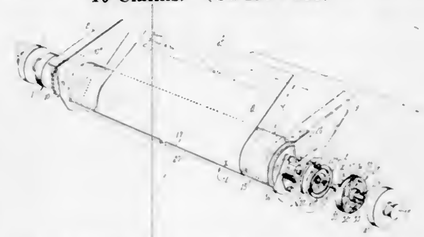
2,239,643

TYPEWRITING MACHINE

John L. Carpenter, Sacramento, Calif., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

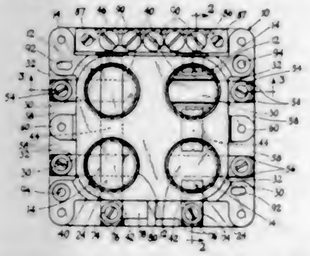
Application November 10, 1939, Serial No. 303,739

10 Claims. (Cl. 197—136)



1. In a typewriter, paper-moving means, a movable stop, means for transmitting motion from a part of said paper-moving means to said movable stop including a clutch, means for engaging and disengaging said clutch, a counterstop engaged by said movable stop to limit movement of said part of the paper-moving means in one direction, said stop being movable away from the counterstop as said part is moved in an opposite direction with the clutch engaged, and means normally restrained by the clutch engagement but operative upon clutch disengagement to effect return of the movable stop to a position of engagement with the counterstop.

2,239,644
FUSE PANEL
Louis W. Cole, New York, N. Y., assignor to Cole Electric Products Co., Inc., Long Island City, N. Y.
Application May 5, 1939, Serial No. 271,967
18 Claims. (Cl. 175—371)



1. A device of the class described comprising an insulation block having an opening therein, a socket shell in said opening, said block also having two openings therein communicating with said first opening transversely thereof, said two openings being displaced peripherally of said first opening, and a conductor member extending through each of said two openings into said shell, one of said conductor members having an electrical connection with said shell, and the other of said conductor members being insulated from said shell and said one conductor member, one of said conductor members being clamped in position in said block in said opening therefor by the other of said conductor members, said shell being held stationary in said first mentioned block opening solely by said conductor members when the latter are in said clamping relation.

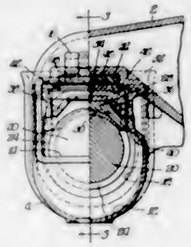
2,239,645
PROCESS OF MAKING FASTENERS
George Henry Clifford Corner, Sutton Coldfield, England, assignor to Talon, Inc., a corporation of Pennsylvania
Application June 17, 1938, Serial No. 214,277
In Great Britain July 22, 1937
2 Claims. (Cl. 18—59)



1. The process for the manufacture of sliding clasp fasteners of the kind described, consisting of casting the fastener members of suitable plastic material directly on the fabric mounting tape, and thereafter supplying a solvent by capillarity through the tape to the tape contacting portions of the fastener members for temporarily softening said tape contacting portions to enhance the firmness of adherence of said tape contacting portions to the tape.

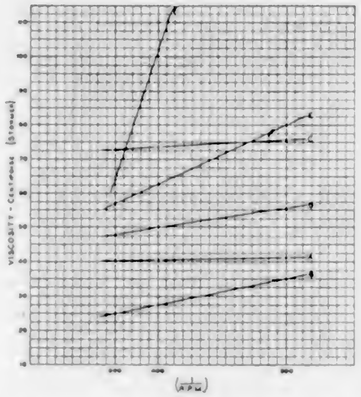
2,239,646
JOURNAL BOX
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 30, 1939, Serial No. 282,123
4 Claims. (Cl. 308—54)

1. In a railway car truck, a frame member, a wheel and axle, a journal end on said axle, a journal box associated with said frame as a means of connection between said journal end and said frame member, said box having a top wall with an inner cavity, a resilient pad fixed therein, a journal bearing seated on said journal end, a wedge block supported on said bearing and projecting into said cavity to afford a seat for



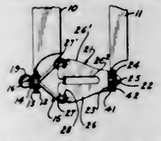
said resilient pad, whereby metal to metal contact under direct load is eliminated between said journal box and said journal end, and interengaging means on said top wall and said block limiting the degree of compression to which said intervening resilient pad may be compressed.

2,239,647
METHOD OF DRILLING WELLS
Allen D. Garrison, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 23, 1938, Serial No. 231,282
11 Claims. (Cl. 255—1)



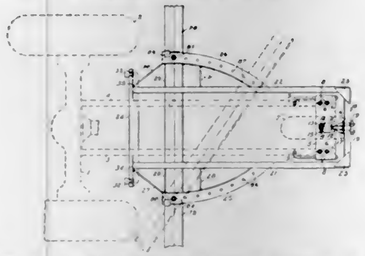
1. A drilling fluid for drilling through heaving shale comprising sodium silicate in aqueous dispersion in an amount and of a character effective to prevent the heaving of shale, at least one salt selected from the group consisting of the sodium and potassium thiocyanates, chlorates, iodides, nitrates, bromides, chromates and chlorides, the salt content of the dispersion falling within the range of from 2% by weight of the aqueous medium up to the saturation value of the dissolved component, and suspended finely-divided amorphous silica in an amount sufficient to prevent the development of high gel strengths in the sodium silicate drilling fluid at temperatures above 125° F.

2,239,648
HANDBAG FRAME
George Laubenstein, Madison, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application August 24, 1938, Serial No. 226,435
7 Claims. (Cl. 150—29)



1. Assembly device of the character described including an adapter comprising a piece of sheet metal having a triangular loop-form and a pin part integral with said piece and extending from one of the apices thereof substantially normal to the face opposite said one of said apices and having an opening in said face thereof opposite to said pin part and a unitary member presenting a lug part adapted to be inserted within said opening.

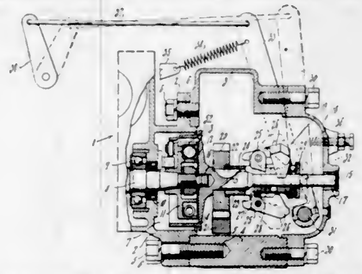
2,239,649
ROAD WORKING MACHINE
Chester P. Lellter, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 14, 1938, Serial No. 245,563
8 Claims. (Cl. 37—178)



1. In a road working machine having a road working tool, a frame including a first and a second arcuate support, a pair of bracket elements associated with said tool at a fixed distance from each other for connecting said tool to said arcuate supports, connecting means pivoted on one of said bracket elements and adjustable along said first arcuate support on a circle about a center on said second arcuate support, and connecting means pivoted on the other of said bracket elements and adjustable along said second arcuate support on a circle about a center on said first arcuate support, each of said circles having a radius equal to the distance between the pivot centers of said connecting means on said bracket elements.

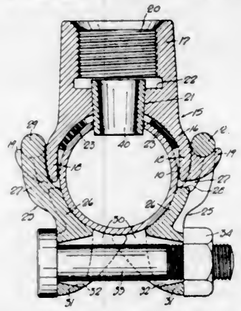
2,239,650
ENGINE DRIVING MECHANISM FOR MAGNETOS
John F. Martin and William D. Crocker, Springfield, Mass., assignors to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application March 19, 1940, Serial No. 324,778
10 Claims. (Cl. 123—149)

1. In combination; a magneto having an operating shaft for operation by an engine and also having a bearing for said shaft arranged within the magneto; and engine driving mechanism connected to the magneto shaft; the en-



gine driving mechanism being supported at the magneto end by the magneto bearing solely.

2,239,651
SERVICE SADDLE
Frederick R. McMurray and Patterson D. Merrill, South Bend, Ind., assignors to M. B. Skinner Company, South Bend, Ind., a corporation of Indiana
Application November 21, 1938, Serial No. 241,494
4 Claims. (Cl. 285—108)

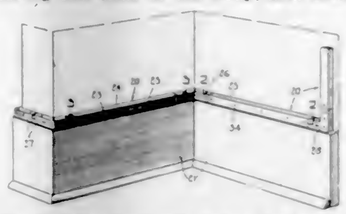


1. A service saddle comprising an intermediate rigid member having an arcuate inner face, a gasket carried by the inner face of said member, an outwardly projecting rigid hook carried by each end of said member, a pair of complementary rigid draw parts each having an arcuate inner face and a rigid off-set portion terminating in a cylindrical head and having an opening therethrough defined in part by said head, said hooks passing through said openings for pivotal engagement with said head, and means for drawing the free ends of said draw parts together said cylindrical heads being spaced apart a distance greater than the diameter of the curvature of said faces and being disposed at an angle of substantially 180 degrees with reference to the axis of the inner face of said intermediate member.

2,239,652
ELECTRICAL UNIT
Louis G. Morten, Teaneck, and Joseph F. O'Brien, Jersey City, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application September 14, 1940, Serial No. 356,844
19 Claims. (Cl. 173—334.1)

1. A unit of an electrical conduit system of seriatim connected component units, said unit comprising a body of electrically insulating ma-

terial, electrical conductors each having a length substantially the length of the body and having tubular terminals at each end of the body, members provided with recesses intermediate the ends of the body for insulatedly supporting the electrical conductors longitudinally of the body, walls for closing the ends of the body, and means ex-



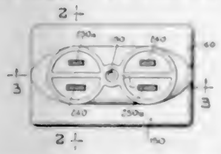
tending substantially the length of the body for fixedly securing the electrical conductors in supported relation with said conductor supporting members and cooperating with said end walls for fixedly securing the tubular terminals of the conductors in predetermined uniform spaced relationship.

2,239,653

ELECTRICAL CONVENIENCE OUTLET

Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application May 11, 1939, Serial No. 273,013
2 Claims. (Cl. 173—330)



1. In an electrical convenience outlet, the combination with a base portion formed of electrical insulation material having vertical wall means and electrical contact means disposed on said base portion adjacent said wall means, of a cap member of electrical insulation material for association with said base portion, said cap member having depending wall means for cooperation with said base portion wall means to provide chambers having walls of electrical insulation material, for housing said contact means, said cap member having apertures in registry with said contact means, recesses provided on the under-side of said cap member, and a plate of resilient electrical insulation material disposed within each recess of said cap member and having normally closed self-closing openings in registry with the apertures in said cap member, said plate of resilient electrical insulation material being supported by said wall means and held thereby within the said recesses of said cap member.

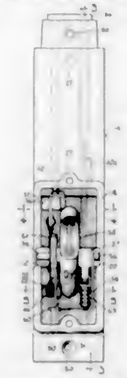
2,239,654

ELECTRICAL SWITCH UNIT

Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application July 7, 1939, Serial No. 283,160
3 Claims. (Cl. 200—168)

1. An electric wiring device, comprising a body, a chamber formed therein, said chamber having bearing means formed therein and slot means formed in a wall of said chamber above said bearings and in register therewith, switch contact elements disposed within said chamber, electric circuit breaker means disposed within said chamber and having shaft means for rotatable support upon said bearing means, and cover plate



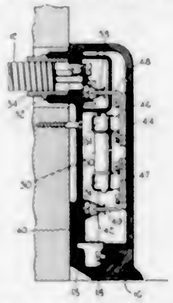
means for said chamber, said cover plate means having downwardly extending lugs arranged for slidable insertion into said slot means, the termini of said lugs overlying the said shaft means to maintain the same in operative engagement with said bearing means.

2,239,655

CONNECTOR UNIT FOR WIRING SYSTEM

Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application December 19, 1939, Serial No. 309,939
2 Claims. (Cl. 200—115.5)



1. Fuse means for an electric wiring system embodying electricity conductor units simulating building molding, comprising, in combination: a base portion having termini conforming to the configuration of the molding-simulating conductor units and having conductor means in registry with the conductor means in said units and adapted for interconnection therewith; said base portion having a vertically extending rear wall structure disposed intermediate the termini thereof, electric contact means on said rear wall structure in electrical connection with the conductor means in the base portion thereof; electric contact means on said wall structure arranged for electrical connection with a source of electric power, the respective electric contact means being in mutually spaced relationship; a removable cover plate operatively associated with said base portion and defining therewith a hollow

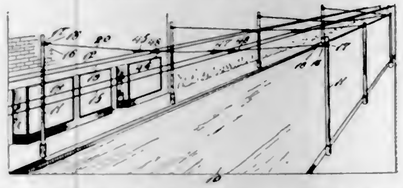
housing having a maximum depth less than the maximum depth of the base portion; electric fuse means disposed on the inner surface of said cover plate and arranged to be positioned in the space between the respective spaced electric contact means when such removable cover plate is in operative position on said back portion; guard means of electric insulation material disposed over said power source-connected contact means and having an insulating wall intermediate such contact means and said fuse means; and means for connecting said fuse means with the respective contact means.

2,239,656

TROLLEY WIRE SUPPORT

Correl O. Sparhawk, Warwick, R. I., assignor to United Electric Railways Company, a corporation of Rhode Island

Application April 24, 1940, Serial No. 331,452
4 Claims. (Cl. 191—40)



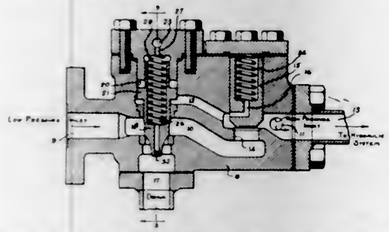
4. In a support for a pair of trolley wires, a tube, a roughening on the tube surface at two spaced locations thereon, insulating material embracing said tube at said two roughened locations, a pair of rings one about a portion of each insulating material and the tube embraced thereby holding the material rigidly on the tube, said ring having an out-of-round inner surface to which the insulating material embraced is closely fitted, means suspended from each ring for attaching to a trolley wire to support the same, a flexible span wire extending through said tube and along which said tube and the parts mounted thereon may be moved as a unit for adjustment, and means to clamp said tube on said span wire in desired adjusted position.

2,239,657

CONTROL VALVE MECHANISM

Myer N. Stadlin, Philadelphia, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application October 29, 1937, Serial No. 171,773
2 Claims. (Cl. 137—53)



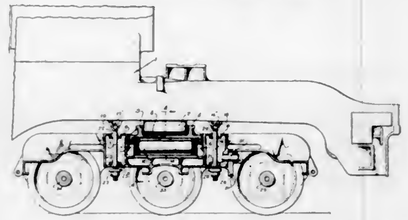
1. A drain valve mechanism comprising, in combination, a casing having a fluid chamber provided with a supply inlet and a main outlet and a drain outlet for supplied fluid, a valve for closing said drain outlet, a spring normally biasing said valve to its closed position, a valve operating piston and a cylinder therefor having heads at each end thereof to provide opening and closing chambers each separate from said fluid chamber, means for supplying pressure present in said chamber to the opening end of said cylinder, means for supplying operating fluid to the opening end of said cylinder independently of the fluid chamber, means for supplying operating fluid from said fluid chamber to the closing end of said cylinder and for exhausting fluid from said closing end, said latter means including two communicating passages of different cross-sectional area the smaller one of which communicates with said fluid chamber and the larger one of which communicates with said closing end of the cylinder and also an exhaust port communicating directly with said passage of larger cross-sectional area, said exhaust port being of larger cross-sectional area than said smaller passage, and a spring pressed valve for normally closing said port, whereby said spring pressed valve opens in response to a predetermined pressure in said fluid chamber thereby to relieve pressure in the closing end of said cylinder and allow the by-pass valve to open and remain open under the influence of fluid pressure in the opening end of said cylinder.

2,239,658

ENGINE TRUCK

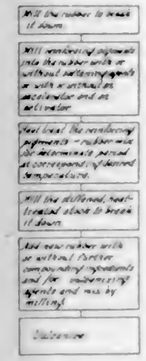
Henry W. St. John, Llanerch, Pa.

Application December 27, 1938, Serial No. 247,938
1 Claim. (Cl. 105—201)



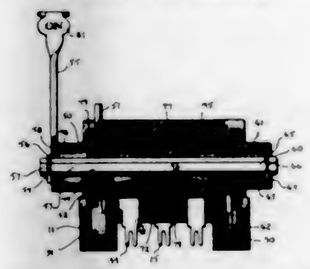
In combination, a locomotive having a main frame, a truck having a frame with spaced transoms each formed of upper and lower spaced walls, a laterally movable bolster disposed between said transoms, a centering device provided with rollers and inclined bearing surfaces therefor disposed between said transoms and interposed between said bolster and truck frame, a center pin and bearing therefor interposed between said bolster and locomotive frame, said spaced walls of the transoms having transversely elongated vertically aliged slots located to the forward and rearward sides of said bolster, the slot of the upper wall being wider than the slot in the lower wall, a plurality of interlocking rods pivotally connected at their upper ends to said locomotive frame and respectively extending through said slots, the wider upper slot allowing the rods to accommodate a maximum pivotal movement of the bolster when in its maximum laterally displaced position while at the same time the lower narrower slot maintains a substantially uniform operative relation between the rods and said lower wall, and enlarged means associated with said rods for engaging an undersurface of said truck thereby to provide a safety interlock between said truck and locomotive frame while allowing free lateral movement of the bolster throughout its full range of lateral movement.

2,239,659
ART OF TREATING RUBBER
Harry P. Bradley, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 10, 1936, Serial No. 115,232
39 Claims. (Cl. 260—763)



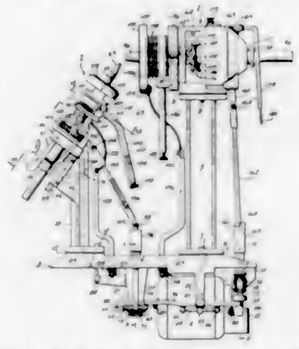
1. The method of forming a rubber composition which comprises mixing rubber and carbon black, heat treating said mixture at such temperatures and for a sufficient time to cause stiffening of said mixture, adding zinc oxide, an accelerator, and sulphur, and thereafter milling said mixture and vulcanizing.

2,239,660
COMBINED MANUAL SWITCH AND FUSE BLOCK
Sylvanus C. Shipley and Benjamin Cyr, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 22, 1938, Serial No. 220,718
18 Claims. (Cl. 200—114)



4. A switch mechanism comprising in combination, a base, a pair of spaced stationary contacts mounted on said base, said base having a hole between said contacts, a rotatable shaft extending through said hole, a switch blade mounted on said shaft and rotatable thereby into and out of engagement with said stationary contacts, an operating handle mounted on one end of said shaft, a spring mounted on the other end of said shaft, a spring retainer cooperating with the outer end of said spring, a bearing member for the inner end of said spring, said spring tending to pull said shaft through said hole, and a clip cooperating with said handle to prevent said shaft from passing through said hole, a bearing member, said handle being held against said bearing member by said spring, said clip being incapable of removal unless said shaft is moved slightly against the action of said spring.

2,239,661
ARC APPARATUS
Howard G. Spear, North Hollywood, Calif., assignor, by direct and mesne assignments, to William E. Beatty, Los Angeles, Calif.
Application January 13, 1940, Serial No. 313,729
17 Claims. (Cl. 176—55)



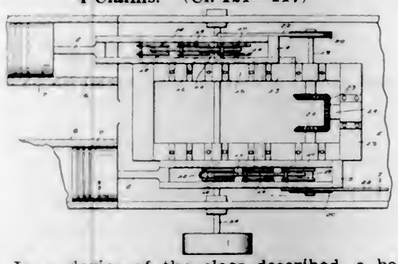
12. Arc apparatus comprising the combination of a base, a motor on said base, a negative electrode drive shaft on said base, a clutch between said motor and said shaft, a gear on said shaft, a stub shaft on said base having a handle, a gear on said stub shaft, a striker arm, means associated with said stub shaft for operating said striker arm, and means associated with said stub shaft for engagement and disengagement of said gears and for operating said clutch.

2,239,662
FURNACE
Ervin G. Bailey, Easton, Pa., assignor, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application June 23, 1925, Serial No. 39,010
Renewed April 6, 1931
11 Claims. (Cl. 122—6)



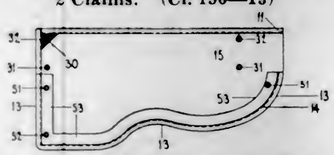
4. In a tubular heat exchanger adapted as a part of a furnace wall to transmit to a contained fluid the heat received radiantly from fuel burning in the furnace; said tubular heat exchanger having a row of tubes constituting a metallic inner part in contact with the contained fluid; and a composite outer structure exposed to radiant heat from the burning fuel; said outer structure comprising metallic projections extending outwardly from the inner part and rigidly connected therewith, with the projections on at least some of the tubes independent of the projections on others of the tubes, and refractory material contacting with the inner part and located between the projections, said refractory material being of greater thermal resistance than the material of the remaining structure, thereby preventing overheating of the exchanger metal and contributing to higher furnace temperatures.

2,239,663
FULL POWER DRIVE MECHANISM FOR STEAM OR EXPLOSIVE ENGINES
Daniel S. Dillenbach, Hastings, Nebr.
Application December 21, 1939, Serial No. 310,419
4 Claims. (Cl. 121—117)



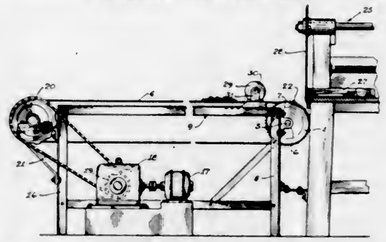
1. In a device of the class described, a base, cylinders on said base, reciprocating pistons in said cylinders, rods secured to said pistons, a power takeoff shaft journaled on said base, a main frame carried by said base, ratchet frames pivoted to said rods, ratchet gears secured to the power takeoff shaft, ratchet bars pivotally connected to the ratchet frames to coact with the ratchet gears in driving the power takeoff shaft in one direction during the movement of the ratchet bars in one direction and to ratchet free of said ratchet gears during the movement of the ratchet bars in an opposite direction, and means for bringing about disengagement of the ratchet bars from the ratchet gears during the movement of the ratchet bars in one direction and to permit engagement of the ratchet bars with the ratchet gears during movement of the ratchet bars in an opposite direction.

2,239,664
DECORATIVE CORNICE
Fred Sladkus, Brooklyn, N. Y., assignor to Joseph Weiss, Kings County, N. Y.
Application February 1, 1939, Serial No. 253,967
2 Claims. (Cl. 156—13)



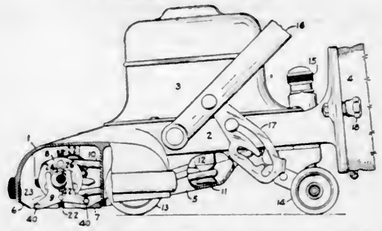
1. In a washable box-like cornice for curtains or drapes, a plurality of front section forms of soft and washable fabric, a plurality of rear sections of rigid and non-washable fabric removably secured together, said front sections being bound all around the edges thereof, said rigid rear sections being made of sized fabric and being adapted for weighting down and imparting a plane surface to each of said soft fabric forms, each of said rigid reinforcing members having a binding stitched thereto all around its edge portions for concealing the edges of said sized sections and providing a finished edging, said front sections and said rear reinforcing sections having complementary snap fastener members secured to the bound edge portions thereof for securing said sections in unitary relation.

2,239,665
SLICING MACHINE CONVEYER
Charles L. Straeten, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 5, 1939, Serial No. 277,520
7 Claims. (Cl. 146—94)



1. In combination with a slicing machine having a shear plate and a cutter, a slice spacing and receiving conveyer comprising spaced conveyer strands and a roller provided with spaced peripheral flanges providing peripheral grooves mounting the conveyer strands, each of the flanges being provided with radially extended slice receiving pins, the roller being mounted below and to the forward side of the shear plate.

2,239,666
SUCTION CLEANER
Edward R. Swann, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 31, 1937, Serial No. 182,666
5 Claims. (Cl. 15—6)

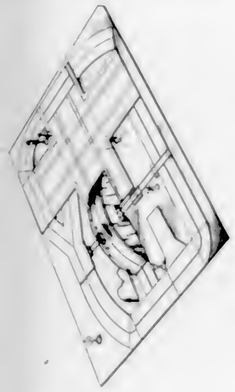


1. In a suction cleaner, a nozzle having a downwardly facing mouth, vertically spaced pairs of downwardly opening agitator supporting seats fixed relative to the nozzle at opposite ends of said nozzle, a rotary brush seated in the upper seats and manually removable downwardly therefrom, an oscillating agitator seated in the lower seats and manually removable downwardly therefrom through said mouth, and power-transmission means between said agitators.

DESIGNS

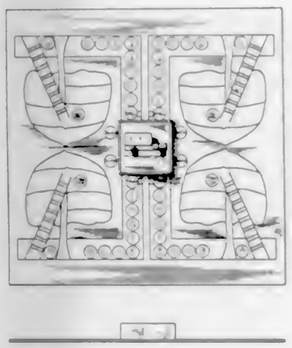
APRIL 22, 1941

126,698
DESIGN FOR A ROADWAY INSTRUCTION DEVICE
Wayne B. Detrick, Winterset, Iowa
Application July 29, 1940, Serial No. 94,002
Term of patent 3½ years



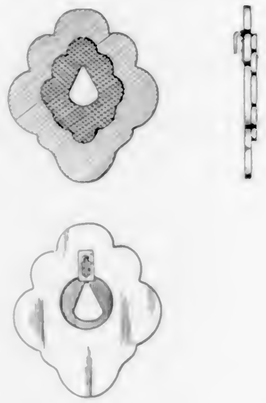
The ornamental design for a roadway instruction device, as shown.

126,699
DESIGN FOR A GAME BOARD
Irma Edelmann, Palisade, N. J.
Application January 22, 1941, Serial No. 98,270
Term of patent 14 years



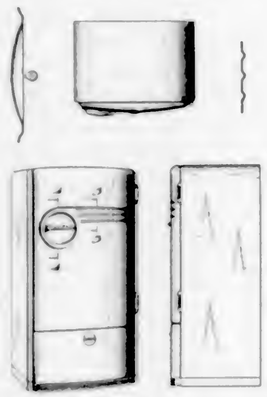
The ornamental design for a game board, as shown.

126,700
DESIGN FOR A DRAPE HOLDER
Ruth A. Freedman, New York, N. Y.
Application February 5, 1941, Serial No. 98,766
Term of patent 3½ years



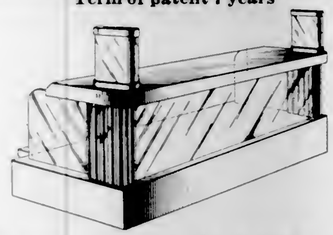
The ornamental design for a drape holder, as shown and described.

126,701
DESIGN FOR A REFRIGERATOR CABINET
Richard B. Janes, Greenville, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Application February 10, 1941, Serial No. 98,870
Term of patent 7 years



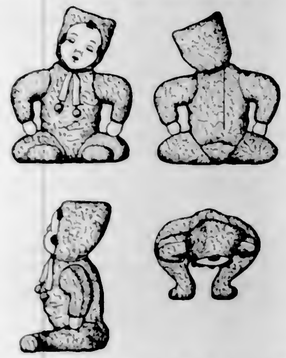
The ornamental design for a refrigerator cabinet, as shown.

126,702
DESIGN FOR A DISPLAY CASE
Wallace St. Clair Jones, Cambridge, Mass.
Application September 28, 1940, Serial No. 95,504
Term of patent 7 years



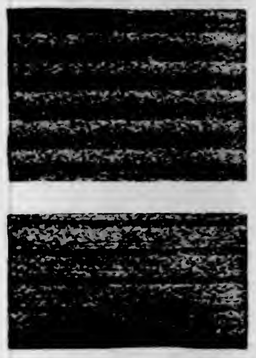
The ornamental design for a display case, as shown.

126,703
DESIGN FOR A DOLL
Victor Keney, New York, N. Y.
Application February 20, 1941, Serial No. 99,136
Term of patent 7 years



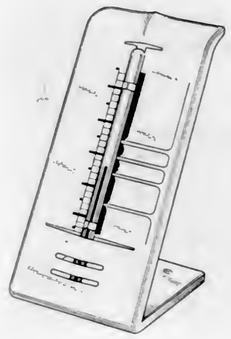
The ornamental design for a doll, as shown.

126,704
DESIGN FOR A TEXTILE FABRIC
Charles H. Kohnken, New York, N. Y.
Application December 27, 1940, Serial No. 97,632
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,705
DESIGN FOR AN OVEN THERMOMETER
Hervey L. MacCowan, Wilmette, Ill., assignor to Fee and Stemwedel, Inc., Chicago, Ill.
Application August 14, 1940, Serial No. 94,407
Term of patent 7 years



The ornamental design for an oven thermometer, as shown.

126,706
DESIGN FOR A BUMPER FOR BALL ROLLING GAME DEVICE
Frank G. Nicolaus, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application February 17, 1941, Serial No. 99,043
Term of patent 7 years



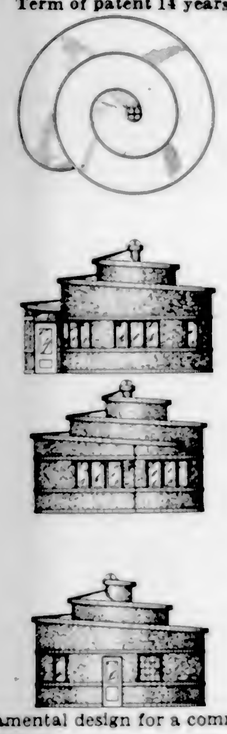
The ornamental design for a bumper for ball rolling game device, as shown.

126,707
DESIGN FOR AN AIR CONDITIONER
William A. Norris, Alhambra, Calif., assignor to William H. Fabry and Rae H. Fabry, as joint tenants
Application January 17, 1941, Serial No. 98,157
Term of patent 14 years



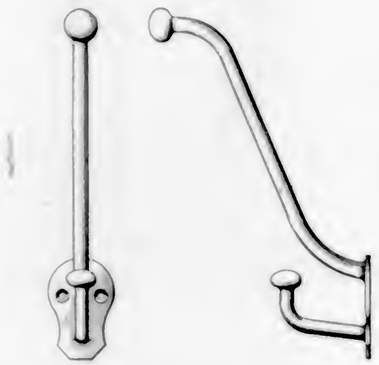
The ornamental design for an air conditioner, as shown.

126,708
DESIGN FOR A COMMERCIAL BUILDING
Wesley R. Pierson, Minneapolis, Minn.
Application December 16, 1940, Serial No. 97,350
Term of patent 14 years



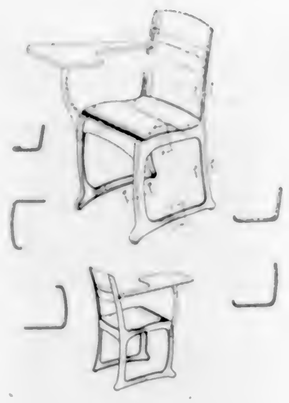
The ornamental design for a commercial building, as shown.

126,709
DESIGN FOR A COMBINED COAT AND HAT HOOK
Max Warren, Anna, Ill.
Application February 15, 1941, Serial No. 99,025
Term of patent 7 years



The ornamental design for a combined coat and hat hook, as shown.

126,710
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application March 16, 1940, Serial No. 90,987
Term of patent 14 years



The ornamental design for a chair, as shown and described.

126,711
DESIGN FOR A MILK BOTTLE
Arthur Bramhall, Livingston, N. J.
Application January 2, 1941, Serial No. 97,769
Term of patent 14 years



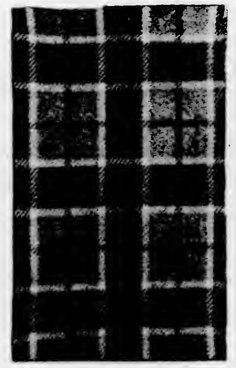
The ornamental design for a milk bottle, as shown and described.

126,712
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application March 14, 1941, Serial No. 99,586
Term of patent 7 years



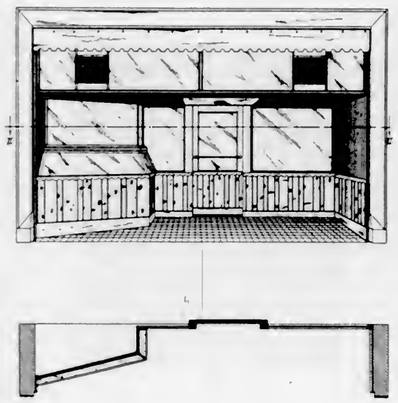
The ornamental design for a textile fabric, substantially as shown.

126,713
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application March 14, 1941, Serial No. 99,587
Term of patent 7 years



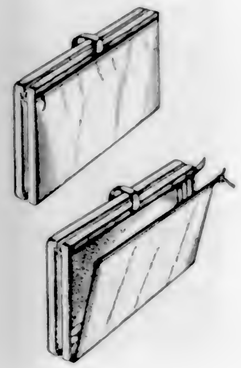
The ornamental design for a textile fabric, substantially as shown.

126,714
DESIGN FOR A STORE FRONT
G. William Doerr, Chicago, Ill., assignor to William C. Grunow, Lake Geneva, Wis.
Application July 3, 1940, Serial No. 93,405
Term of patent 14 years



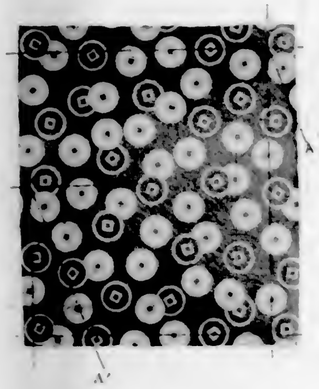
The ornamental design for a store front, as shown.

126,715
DESIGN FOR A TRAVELING BAG
Charles Doppelt, Chicago, Ill.
Application August 3, 1940, Serial No. 94,200
Term of patent 7 years



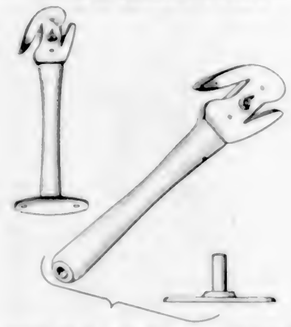
The ornamental design for a traveling bag, as shown and described.

126,716
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 14, 1941, Serial No. 99,568
Term of patent 3½ years



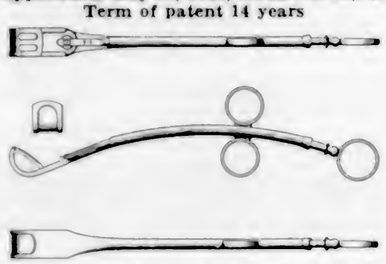
The ornamental design for a textile fabric, substantially as shown and described.

126,717
DESIGN FOR A COMBINED TWINE CUTTER AND SUPPORT
Sidney Futterman, Bronx, N. Y.
Application November 30, 1938, Serial No. 81,477
Term of patent 3½ years



The ornamental design for a combined twine cutter and support, as shown.

126,718
DESIGN FOR AN ADENOTOME
Martha R. Grieshaber, Chicago, Ill.
Application May 23, 1940, Serial No. 92,540
Term of patent 14 years



The ornamental design for an adenotome, substantially as shown.

126,719
DESIGN FOR A TEXTILE FABRIC
John L. Koehne, New York, N. Y.
Application March 14, 1941, Serial No. 99,584
Term of patent 7 years

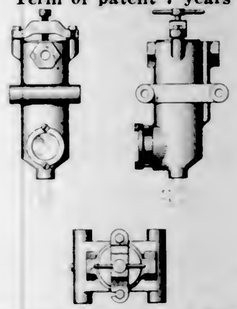


126,719—Continued



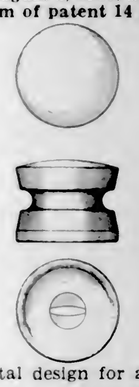
The ornamental design for a textile fabric, substantially as shown.

126,720
DESIGN FOR A FILTER UNIT
Frederick Kraissl, Jr., Hackensack, N. J.
Application November 22,1940, Serial No. 96,735
Term of patent 7 years



The ornamental design for a filter unit, substantially as shown and described.

126,721
DESIGN FOR A STRAIN INSULATOR
Lorell John Schilling, Brookfield, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application August 2, 1940, Serial No. 94,134
Term of patent 14 years



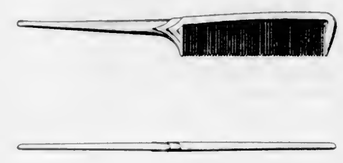
The ornamental design for a strain insulator, as shown.

126,722
DESIGN FOR A LINE INSULATOR
Lorell John Schilling, Brookfield, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application August 2, 1940, Serial No. 94,135
Term of patent 14 years



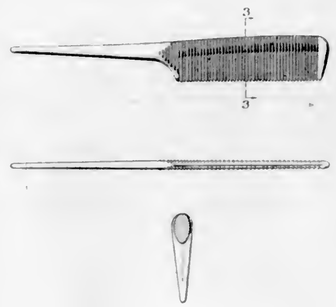
The ornamental design for a line insulator, as shown.

126,723
DESIGN FOR A COMB
Leo Seidner, Rockville Centre, N. Y., assignor to Bolta Comb Company, Inc., New York, N. Y., a corporation of New York
Application February 1, 1941, Serial No. 98,649
Term of patent 7 years



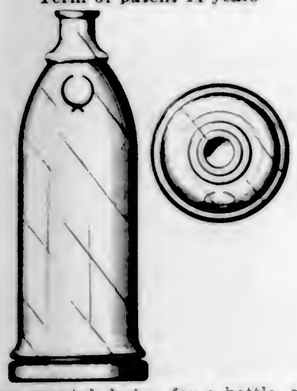
The ornamental design for a comb, as shown and described.

126,724
DESIGN FOR A COMB
Leo Seidner, Rockville Centre, N. Y., assignor to Bolta Comb Company, Inc., New York, N. Y., a corporation of New York
Application February 1, 1941, Serial No. 98,650
Term of patent 7 years



The ornamental design for a comb, as shown and described.

126,725
DESIGN FOR A BOTTLE
José de Miguel Vicent, Mexico, D. F., Mexico, assignor to Jose Junco Blanco, Mexico, D. F., Mexico
Application December 16, 1940, Serial No. 97,394
Term of patent 14 years



The ornamental design for a bottle, as herein shown.

126,726
DESIGN FOR A SUIT
Bonnie Cashin, New York, N. Y.
Application January 27, 1941, Serial No. 98,427
Term of patent 3½ years



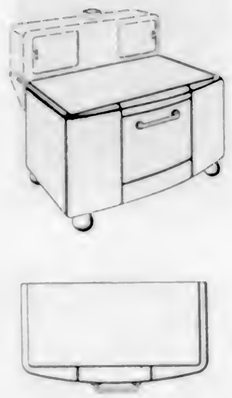
The ornamental design for a suit, substantially as shown and described.

126,727
DESIGN FOR A RING
Edmund A. Cohn, West Orange, N. J., assignor to The H. A. Wilson Company, Newark, N. J., a corporation of New Jersey
Application May 4, 1940, Serial No. 92,164
Term of patent 3½ years



The ornamental design for a ring, substantially as shown and described.

126,728
DESIGN FOR A RANGE
Edwin R. Culver, Jr., St. Louis, Mo.
Application February 7, 1941, Serial No. 98,832
Term of patent 7 years



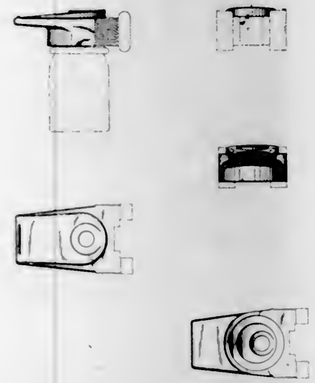
The ornamental design for a range, as shown and described.

126,729
DESIGN FOR A DOLL
Cleda A. Eckert, Jasper, Ind.
Application October 4, 1940, Serial No. 95,635
Term of patent 14 years



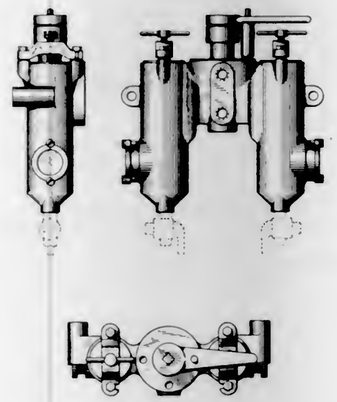
The ornamental design for a doll, as shown.

126,730
DESIGN FOR A SKIRT MARKER
Max Ingwer, Forest Hills, N. Y., assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application September 28, 1940, Serial No. 95,474
Term of patent 14 years



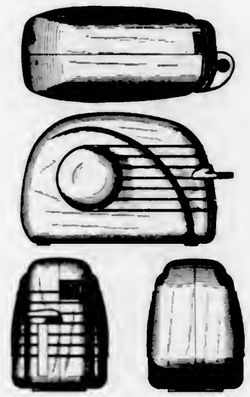
The ornamental design for a skirt marker, substantially as shown and described.

126,731
DESIGN FOR A FILTER UNIT
Frederick Kraissl, Jr., Hackensack, N. J.
Application November 22, 1940, Serial No. 96,736
Term of patent 7 years



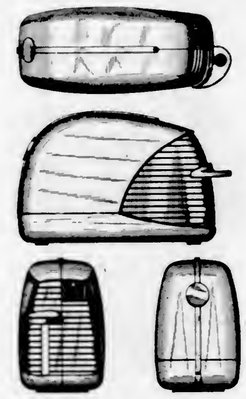
The ornamental design for a filter unit, substantially as shown and described.

126,732
DESIGN FOR A TAPE DISPENSER
Jean Otis Reinecke, Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application January 23, 1941, Serial No. 98,315
Term of patent 14 years



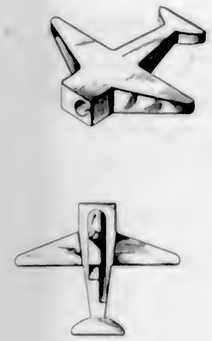
The ornamental design for a tape dispenser, as shown.

126,733
DESIGN FOR A TAPE DISPENSER
Jean Otis Reinecke, Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application January 23, 1941, Serial No. 98,316
Term of patent 14 years



The ornamental design for tape dispenser as shown.

126,734
DESIGN FOR A PENCIL SHARPENER
Joseph Ross, Brooklyn, N. Y., assignor to Plastic Novelties, Inc., a corporation of New York
Application February 3, 1941, Serial No. 98,677
Term of patent 7 years



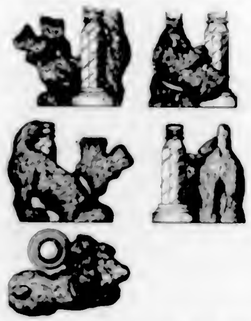
The ornamental design for a pencil sharpener, as shown.

126,735
DESIGN FOR A COMBINED SACHET DOLL AND CONTAINER THEREFOR
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application March 1, 1940, Serial No. 90,608
Term of patent 3½ years



The ornamental design for a combined sachet doll and container therefor, as shown.

126,736
DESIGN FOR A COMBINED PERFUME BOTTLE AND HOLDER THEREFOR
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application March 12, 1941, Serial No. 99,508
Term of patent 3½ years

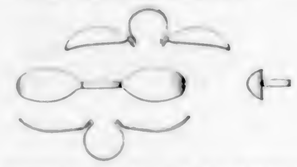


The ornamental design for a combined perfume bottle and holder therefor, as shown.

126,737
DESIGN FOR A COMBINED PERFUME BOTTLE AND HOLDER THEREFOR
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application March 17, 1941, Serial No. 99,654
Term of patent 3½ years

The ornamental design for a combined perfume bottle and holder therefor, as shown.

126,738
DESIGN FOR AN EYESHIELD
Ralph Webber and Charles H. Webber, Philadelphia, Pa.
Application January 8, 1941, Serial No. 97,878
Term of patent 3½ years



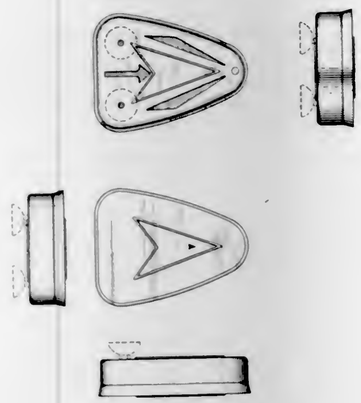
The ornamental design for an eyeshield, as shown.

126,739
DESIGN FOR A BROOCH
Frank G. Bagshaw, Norwood, R. I.
Application February 26, 1941, Serial No. 99,217
Term of patent 3½ years



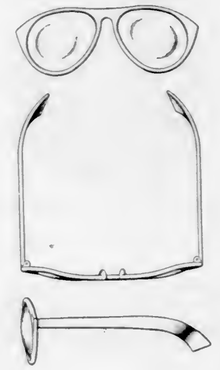
The ornamental design for a brooch, substantially as shown.

126,740
DESIGN FOR A TRAFFIC SIGNAL FOR AUTOMOBILES
Frank O. Bence, Chicago, Ill.
Application January 6, 1941, Serial No. 97,830
Term of patent 7 years



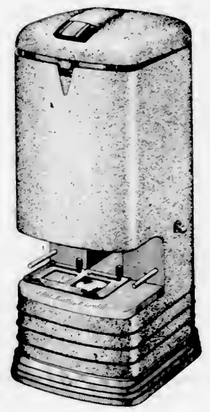
The ornamental design for a traffic signal for automobiles, substantially as shown and described.

126,741
DESIGN FOR A PAIR OF GOGGLES OR SIMILAR ARTICLE
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Co., Incorporated, Carlstadt Township, Bergen County, N. J., a corporation of New Jersey
Application December 29, 1939, Serial No. 89,192
Term of patent 7 years



The ornamental design for a pair of goggles or similar article, substantially as shown.

126,742
DESIGN FOR A PROJECTION PRINTER
Theodore G. Clement, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 18, 1941, Serial No. 99,065
Term of patent 7 years

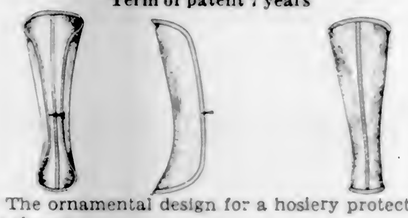


126,742—Continued



The ornamental design for a projection printer, as shown.

126,743
DESIGN FOR A HOSIERY PROTECTOR
Frances L. Coleman, Syracuse, N. Y.
Application August 5, 1940, Serial No. 94,252
Term of patent 7 years



The ornamental design for a hosiery protector, as shown.

126,744
DESIGN FOR A SHOE SOLE
William E. Kavenagh, Windsor, Vt., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 18, 1941, Serial No. 99,066
Term of patent 14 years



The ornamental design for a shoe sole, as shown.

126,745
DESIGN FOR A DISPENSER CAP
Hans C. Jensen, Sacramento, Calif.
Application January 27, 1941, Serial No. 98,391
Term of patent 14 years



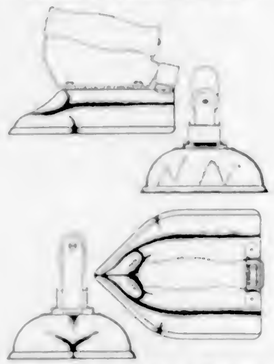
The ornamental design for a dispenser cap, as shown.

126,746
DESIGN FOR EMBROIDERED LACE TRIMMING OR SIMILAR ARTICLE
Robert Koenig, Hasbrouck Heights, N. J.
Application March 3, 1941, Serial No. 99,292
Term of patent 3½ years



The ornamental design for an embroidered lace trimming or similar article, substantially as shown.

126,747
DESIGN FOR A FLATIRON
Albert Maescher, St. Louis, Mo., assignor to Crown Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application October 2, 1940, Serial No. 95,574
Term of patent 14 years



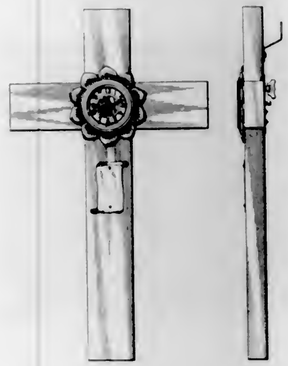
The ornamental design for a flatiron, as shown and described.

126,748
DESIGN FOR A PAIR OF SPECTACLES
Jacob C. Reiss, Newark, and Norman A. Snedeker, Irvington, N. J.
Application January 20, 1940, Serial No. 89,606
Term of patent 14 years



The ornamental design for a pair of spectacles, substantially as shown and described.

126,749
DESIGN FOR A CLOCK
Herbert A. Rhodes, New York, N. Y.
Application February 21, 1939, Serial No. 83,145
Term of patent 3½ years



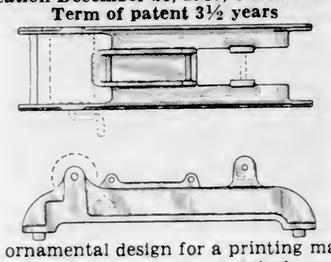
The ornamental design for a clock, substantially as shown.

126,750
DESIGN FOR A LIGHTING FIXTURE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application June 26, 1940, Serial No. 93,252
Term of patent 14 years



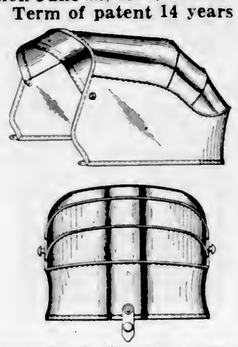
The ornamental design for a lighting fixture, as shown.

126,751
DESIGN FOR A PRINTING MACHINE
Hyman Silverstein, Cleveland, Ohio
Application December 26, 1940, Serial No. 97,611
Term of patent 3½ years



The ornamental design for a printing machine, substantially as shown and described.

126,752
DESIGN FOR A CANOPY FOR BABY CARRIAGE
Matilda D. Welsh, Ladue Village, Mo.
Application June 22, 1940, Serial No. 93,185
Term of patent 14 years



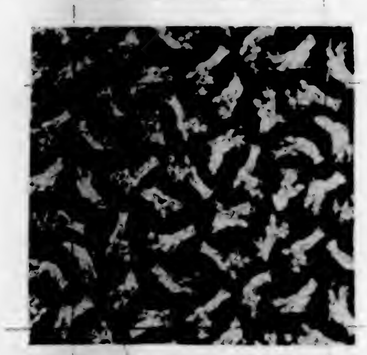
The ornamental design for a canopy for baby carriage, as shown and described.

126,753
DESIGN FOR A GARMENT HANGER
Charles Gordon Xiques, Port Richmond, N. Y.
Application February 17, 1940, Serial No. 90,335
Term of patent 14 years



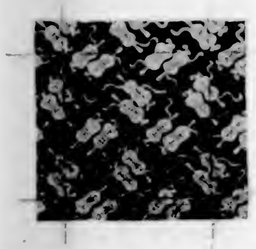
The ornamental design for a garment hanger, substantially as shown and described.

126,754
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,720
Term of patent 3½ years



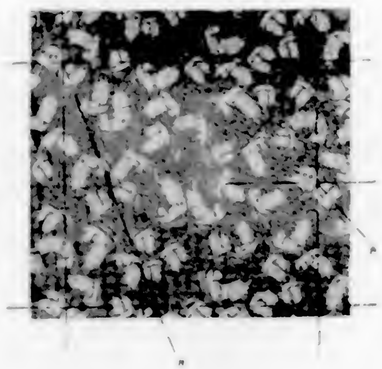
The ornamental design for a textile fabric, as shown and described.

126,755
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,721
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,756
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,722
Term of patent 3½ years



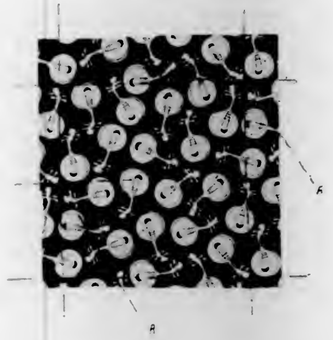
The ornamental design for a textile fabric, substantially as shown and described.

126,757
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,723
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

126,758
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,724
Term of patent 3½ years



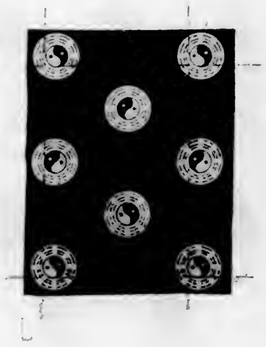
The ornamental design for a textile fabric, as shown and described.

126,759
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,726
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

126,760
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,727
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

126,761
DESIGN FOR A TEXTILE FABRIC
Edward H. Moss, New York, N. Y.
Application March 19, 1941, Serial No. 99,688
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

126,762
DESIGN FOR A TEXTILE FABRIC
Allan Zimmerman, New York, N. Y.
Application March 19, 1941, Serial No. 99,702
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

126,763
DESIGN FOR A DRESS
Arthur Cole, Rye, N. Y.
Application March 24, 1941, Serial No. 99,832
Term of patent 3½ years



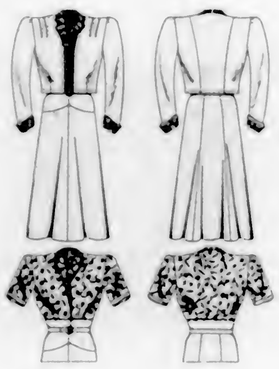
The ornamental design for a dress, as shown.

126,764
DESIGN FOR A DRESS
Arthur Cole, Rye, N. Y.
Application March 24, 1941, Serial No. 99,833
Term of patent 3½ years



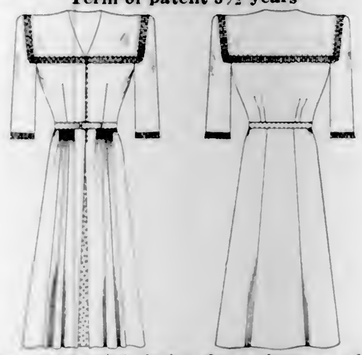
The ornamental design for a dress, as shown.

126,765
DESIGN FOR A DRESS ENSEMBLE
Jane Marchesa, Flushing, N. Y.
Application February 4, 1941, Serial No. 98,720
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,766
DESIGN FOR A DRESS
Harry Posner, New York, N. Y.
Application March 13, 1941, Serial No. 99,549
Term of patent 3½ years



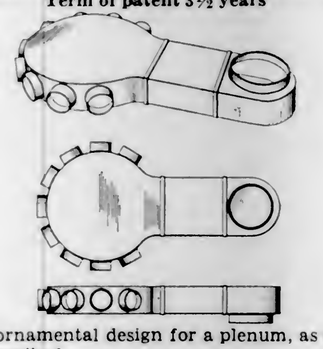
The ornamental design for a dress, as shown.

126,767
DESIGN FOR A COAT
Nathan A. Rauch, New York, N. Y.
Application January 21, 1941, Serial No. 98,255
Term of patent 3½ years



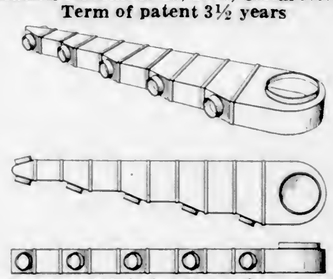
The ornamental design for a coat, substantially as shown and described.

126,768
DESIGN FOR A PLENUM
Ralph R. P. Turner, University Park, Md.
Application November 15, 1940, Serial No. 96,602
Term of patent 3½ years



The ornamental design for a plenum, as shown and described.

126,769
DESIGN FOR A PLENUM
Ralph R. P. Turner, University Park, Md.
Application November 15, 1940, Serial No. 96,603
Term of patent 3½ years



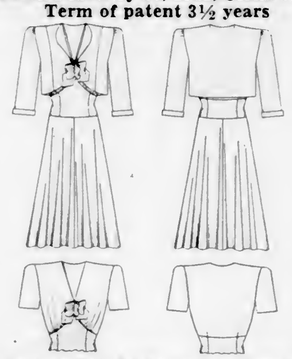
The ornamental design for a plenum, as shown and described.

126,770
DESIGN FOR DRESS ENSEMBLE
Gilberte Andrée, New York, N. Y.
Application February 27, 1941, Serial No. 99,244
Term of patent 3½ years



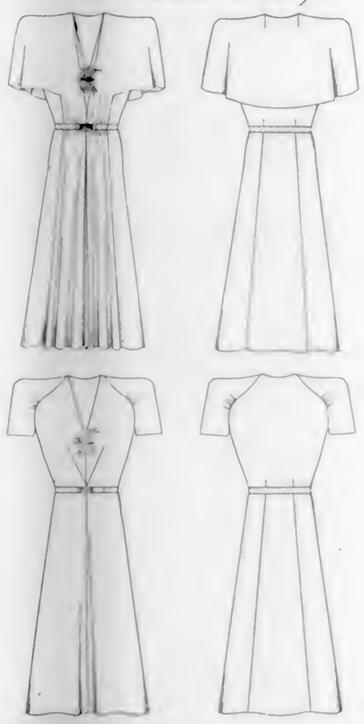
The ornamental design for a dress ensemble, as shown.

126,771
DESIGN FOR DRESS ENSEMBLE
Gilberte Andrée, New York, N. Y.
Application February 27, 1941, Serial No. 99,245
Term of patent 3½ years



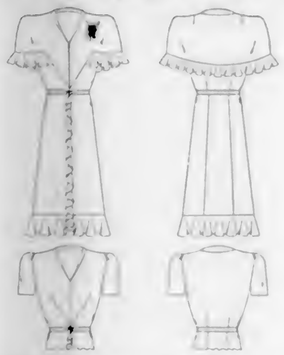
The ornamental design for a dress ensemble, as shown.

126,772
DESIGN FOR A DRESS ENSEMBLE
Gilberte Andrée, New York, N. Y.
Application February 27, 1941, Serial No. 99,246
Term of patent 3½ years



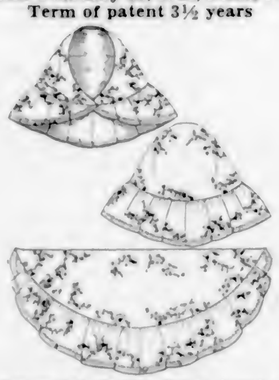
The ornamental design for a dress ensemble, as shown.

126,773
DESIGN FOR A DRESS ENSEMBLE
Gilberte Andrée, New York, N. Y.
Application February 27, 1941, Serial No. 99,247
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,774
DESIGN FOR A HOOD OR SIMILAR ARTICLE
Marion H. Blakeman, Provincetown, Mass.
Application February 18, 1941, Serial No. 99,082
Term of patent 3½ years



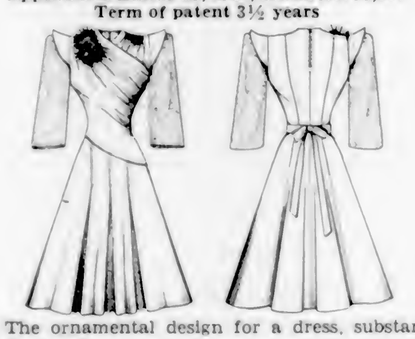
The ornamental design for a hood or similar article, as shown.

126,775
DESIGN FOR A DRESS
Edna Breer, New York, N. Y.
Application February 15, 1941, Serial No. 99,029
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

126,776
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application March 25, 1941, Serial No. 99,857
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,777
DESIGN FOR A UNIFORM DRESS OR THE LIKE
Leo M. Cooper, Yonkers, N. Y.
Application August 29, 1940, Serial No. 94,706
Term of patent 3½ years



The ornamental design for a uniform dress or the like, substantially as shown.

126,778
DESIGN FOR A UNIFORM DRESS OR THE LIKE
Leo M. Cooper, Yonkers, N. Y.
Application August 29, 1940, Serial No. 94,708
Term of patent 3½ years



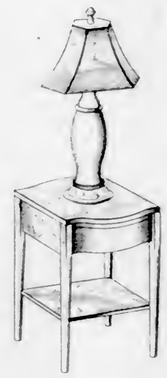
The ornamental design for a uniform dress or the like, substantially as shown.

126,779
DESIGN FOR A UNIFORM DRESS OR THE LIKE
Leo M. Cooper, Yonkers, N. Y.
Application August 29, 1940, Serial No. 94,710
Term of patent 3½ years



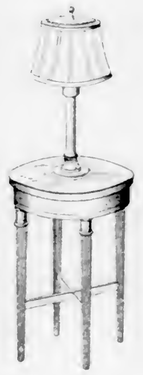
The ornamental design for a uniform dress or the like, substantially as shown.

126,780
DESIGN FOR A COMBINED LAMP, TABLE, AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application June 10, 1940, Serial No. 92,908
Term of patent 14 years



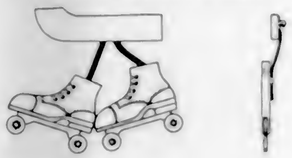
The ornamental design for a combined lamp, table, and radio receiving set substantially as shown and described.

126,781
DESIGN FOR A COMBINED LAMP, TABLE, AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application June 10, 1940, Serial No. 92,909
Term of patent 14 years



The ornamental design for a combined lamp, table, and radio receiving set, substantially as known.

126,782
DESIGN FOR A LAPEL PIN OR SIMILAR ARTICLE
Louis Ditchik and Noah Rubin, New York, N. Y.
Application February 18, 1941, Serial No. 99,088
Term of patent 3½ years



The ornamental design for a lapel pin or similar article, substantially as shown.

126,783
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 11, 1941, Serial No. 99,490
Term of patent 3½ years

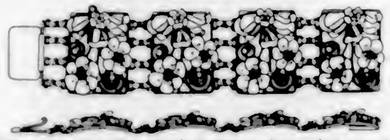
The ornamental design for a bracelet or similar article, substantially as shown.

126,784
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 14, 1941, Serial No. 99,589
Term of patent 3½ years



The ornamental design for a bracelet or similar article, substantially as shown.

126,785
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 19, 1941, Serial No. 99,712
Term of patent 3½ years



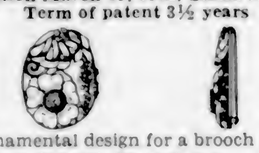
The ornamental design for a bracelet or similar article, substantially as shown.

126,786
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 19, 1941, Serial No. 99,713
Term of patent 3½ years



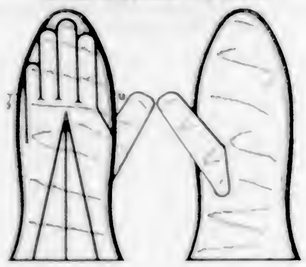
The ornamental design for a brooch pin or similar article, substantially as shown.

126,787
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 19, 1941, Serial No. 99,714
Term of patent 3½ years



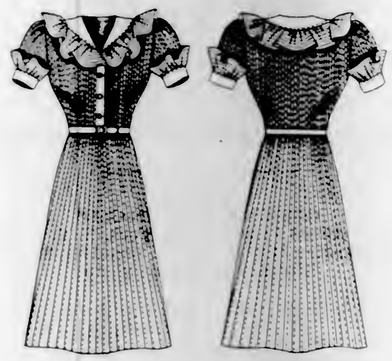
The ornamental design for a brooch pin or similar article, substantially as shown.

126,788
DESIGN FOR A MITTEN
George Landberg, Bronx, N. Y.
Application December 31, 1940, Serial No. 97,745
Term of patent 3½ years



The ornamental design for a mitten, substantially as shown.

126,789
DESIGN FOR A DRESS
Harry Langer, New York, N. Y.
Application March 26, 1941, Serial No. 99,885
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,790
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application March 4, 1941, Serial No. 99,345
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

126,791
DESIGN FOR A SACHET TASSEL DOLL
Benjamin Levitt, Newark, and Leo Aronson, Hillside, N. J., assignors to A. L. Siegel Co., Inc., Newark, N. J., a corporation of New York
Application January 8, 1941, Serial No. 97,891
Term of patent 7 years



The ornamental design for a sachet tassel doll, as shown.

126,792
DESIGN FOR A DRESS ENSEMBLE
Ada Maidman, New York, N. Y.
Application March 26, 1941, Serial No. 99,893
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

126,793
DESIGN FOR A GLOVE
Dwight S. Mills, Burbank, Calif.
Application December 14, 1940, Serial No. 97,319
Term of patent 7 years



The ornamental design for a glove, as shown and described.

126,794
DESIGN FOR A DRESS
Ottilie Conrad Nadel, New York, N. Y.
Application March 21, 1941, Serial No. 99,767
Term of patent 3½ years



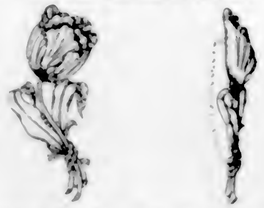
The ornamental design for a dress, substantially as shown.

126,795
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application March 21, 1941, Serial No. 99,768
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

126,796
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 19, 1941, Serial No. 99,690
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

126,797
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 19, 1941, Serial No. 99,692
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

126,798
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 19, 1941, Serial No. 99,693
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

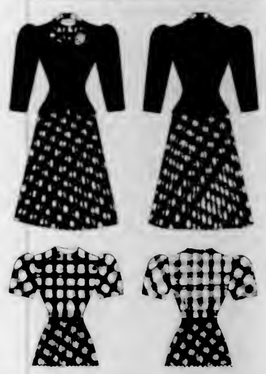
126,799
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application March 19, 1941, Serial No. 99,694
Term of patent 3½ years





The ornamental design for a brooch or similar article, as shown.

126,800
DESIGN FOR A DRESS ENSEMBLE
Samuel Reich, Chicago, Ill.
Application February 18, 1941, Serial No. 99,076
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown and described.

126,801
DESIGN FOR A CLOTHES HANGER
Gilbert J. Rhodes, New York, N. Y.
Application January 23, 1941, Serial No. 98,336
Term of patent 7 years



The ornamental design for a clothes hanger, substantially as shown and described.

126,802
DESIGN FOR A DRESS
Herman Siegenfeld, Larchmont, N. Y.
Application January 27, 1941, Serial No. 98,448
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,803
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application March 25, 1941, Serial No. 99,835
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,804
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application March 25, 1941, Serial No. 99,836
Term of patent 3½ years



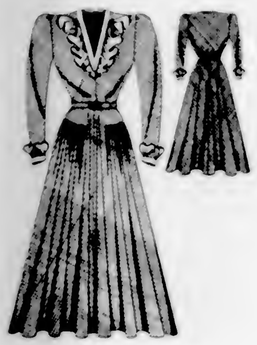
The ornamental design for a dress, substantially as shown.

126,805
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application March 25, 1941, Serial No. 99,837
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,806
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application March 25, 1941, Serial No. 99,838
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,807
DESIGN FOR A COMBINED PERFUME BOTTLE AND HOLDERS THEREFOR
Jean E. Vivaudou, New York, N. Y.
Application January 22, 1941, Serial No. 98,281
Term of patent 3½ years



The ornamental design for a combined perfume bottle and holders therefor, as shown.

126,808
DESIGN FOR A DRESS ENSEMBLE
Joset Walker, New York, N. Y.
Application March 25, 1941, Serial No. 99,846
Term of patent 3½ years



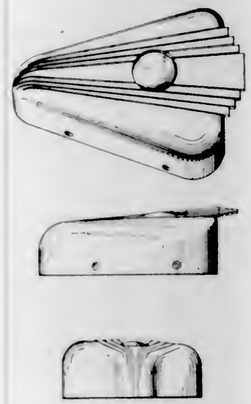
The ornamental design for a dress ensemble, substantially as shown.

126,809
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application March 25, 1941, Serial No. 99,848
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,810
DESIGN FOR A PHONOGRAPH TONE ARM HEAD
Emil I. Harman, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 31, 1941, Serial No. 98,624
Term of patent 14 years



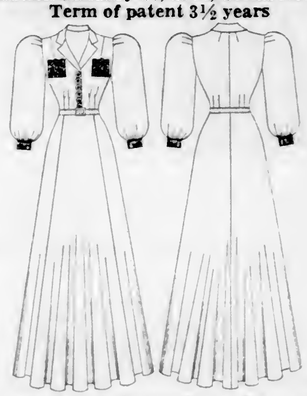
The ornamental design for a phonograph tone arm head, substantially as shown.

126,811
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 14, 1941, Serial No. 99,588
Term of patent 3½ years



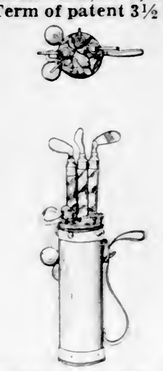
The ornamental design for a brooch pin or similar article, substantially as shown.

126,812
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application January 27, 1941, Serial No. 98,454
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

126,813
DESIGN FOR A COMBINED HOLDER AND PERFUME CONTAINER
Robert B. Karoff, New York, N. Y., assignor to Stuart Products Co., Inc., St. Paul, Minn.
Application March 2, 1940, Serial No. 90,631
Term of patent 3½ years



The ornamental design for a combined holder and perfume container, as shown.

126,814
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application March 31, 1941, Serial No. 100,029
Term of patent 3½ years



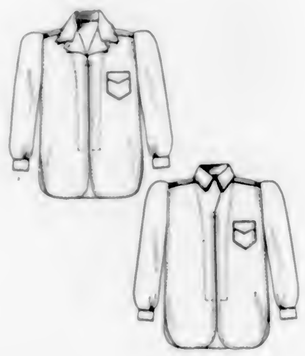
The ornamental design for a dress, substantially as shown.

126,815
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application March 31, 1941, Serial No. 100,030
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,816
DESIGN FOR A SHIRT OR SIMILAR ARTICLE
Laura B. Patterson, New York, N. Y.
Application January 21, 1941, Serial No. 98,196
Term of patent 3½ years



The ornamental design for a shirt or similar article, substantially as shown and described.

126,817
DESIGN FOR A DRESS
Clare Potter, West Nyack, N. Y.
Application March 26, 1941, Serial No. 99,886
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,818
DESIGN FOR A DRESS
Clare Potter, West Nyack, N. Y.
Application March 26, 1941, Serial No. 99,887
Term of patent 3½ years



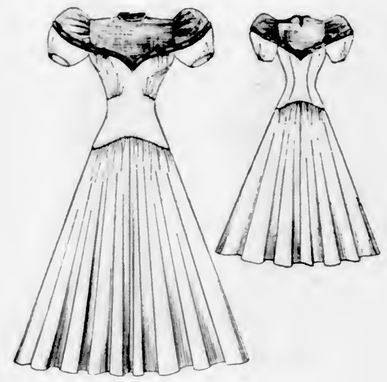
The ornamental design for a dress, substantially as shown.

126,819
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application March 25, 1941, Serial No. 99,843
Term of patent 3½ years



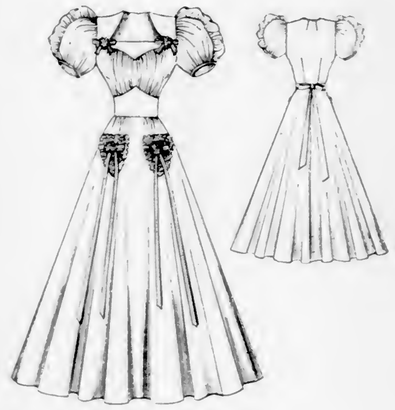
The ornamental design for a dress, substantially as shown.

126,820
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application March 25, 1941, Serial No. 99,844
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,821
DESIGN FOR A DRESS
Irving Szerlip, New York, N. Y.
Application March 25, 1941, Serial No. 99,845
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,822
DESIGN FOR A COMBINED SACHET BALL, PERFUME BOTTLE, AND HOLDERS THEREFOR
Jean E. Vivaudou, New York, N. Y.
Application February 3, 1941, Serial No. 98,681
Term of patent 3½ years



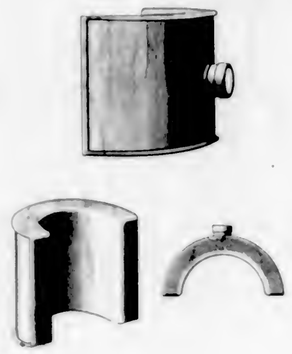
The ornamental design for a combined sachet ball, perfume bottle, and holders therefor, as shown.

126,823
DESIGN FOR A BELT OR SIMILAR ARTICLE
Harry Cohen, New York, N. Y.
Application February 27, 1941, Serial No. 99,242
Term of patent 3½ years



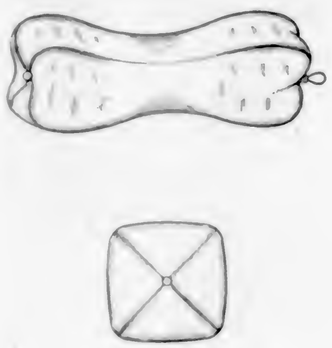
The ornamental design for a belt or similar article, as shown.

126,824
DESIGN FOR AN ELECTRODE FOR A THERAPEUTIC MACHINE
Carl K. Gieringer, Cincinnati, Ohio, assignor to The Liebel Flarsheim Company, Cincinnati, Ohio, a corporation of Ohio
Application July 16, 1940, Serial No. 93,672
Term of patent 7 years



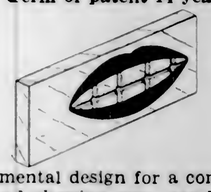
The ornamental design for an electrode for a therapeutic machine, substantially as shown and described.

126,825
DESIGN FOR A PILLOW
Paul E. L. Kolisch, San Francisco, Calif.
Application March 11, 1940, Serial No. 90,817
Term of patent 7 years



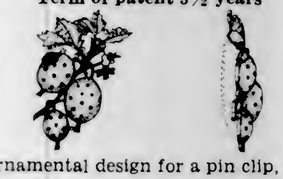
The ornamental design for a pillow, substantially as shown and described.

126,826
DESIGN FOR A COMBINED DISPLAY CONTAINER AND CHEWING GUM, CANDY, OR THE LIKE
Jack Lane, New York, N. Y.
Application October 15, 1940, Serial No. 95,849
Term of patent 14 years



The ornamental design for a combined display container and chewing gum, candy, or the like, substantially as shown and described.

126,827
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 19, 1941, Serial No. 99,689
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

126,828
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application March 31, 1941, Serial No. 100,015
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,239,667 to 2,240,476

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Total	1,206		

Disclaimer

1,763,523.—*Frank Jardine*, Cleveland, Ohio. PISTON. Patent dated June 10, 1930. Disclaimer filed April 2, 1941, by the assignee, *The Cleveland Trust Company*.

Hereby enters this disclaimer to the following parts of the claims in said specification, to wit, from the scope of:

Claim 1, all pistons except those having webs each of which comprises two skirt-supporting sections extending oppositely from the central strengthening and stiffening boss, and at least one of which sections is in some portion thereof deformable, resulting from—and only sufficiently to permit—the displacement and deflection of the guide segments under the thermal expansion of the piston and the reactive force of the cylinder wall.

Claim 2, all pistons except those whose webs are each strengthened and stiffened by a central boss and bendable in a section between boss and skirt, to permit deformation and deflection of skirt and supports, due to the reaction force of the cylinder wall.

Claim 3, all pistons except those whose webs are stiffened and strengthened by the centrally carried bosses and which have deformable sections intermediate the central portion and the skirt attachment.

Claim 4, all pistons except those whose webs are of such thickness and form as to permit only that bending which will maintain the outer diameter of the piston substantially constant in operation under the conflicting stresses of piston expansion and cylinder wall reaction.

Claim 5, all pistons except those whose webs have a bendable section and are stiffened in the center by a rib.

Claim 6, all pistons except those whose webs are centrally stiffened by bosses and ribs and which have a portion bendable by deformation under the displacement and deflection of the skirt in operation resulting from cylinder wall reaction.

Claim 7, all pistons except those whose webs are so formed and deformable as to constitute support on the cantilever principle as between the central boss-stiffened portion of the web and the deflectable guide segments when constrained by the cylinder wall reaction.

Claim 8, all pistons except those having webs each of which comprises two skirt-supporting sections extending oppositely in the same plane from the central strengthening and stiffening boss, and at least one of which sections is in some portion thereof deformable, resulting from—and only sufficiently to permit—the displacement and deflection of the guide segments under the thermal expansion of the piston and the reactive force of the cylinder wall.

Claim 9, all pistons except those in which the webs are so formed and so deformable in operation as to permit compensating displacement of the guide sections, through deformation and deflection of the parts, by forces small enough to obviate scoring or seizure but which webs are sufficiently resistant to insure the adequate mechanical strength of the piston, whereby the piston can be fitted to the engine cylinder with a very small initial clearance.

Claim 10, all pistons except those whose webs are bendable in a section thereof adjacent to the bosses to permit displacement of parts of the skirt due to the reaction force of the cylinder wall on the outer faces of the skirt portion.

Claim 11, all pistons except those having webs each of which comprises two skirt-supporting sections extending oppositely from the central strengthening and stiffening boss, and which skirt-supporting sections are in some portion thereof bendable only sufficiently to permit that deformation and displacement of such supports and guide segments which result from the opposing stresses of piston expansion and cylinder wall reaction.

Claim 12, all pistons except those whose webs have a bendable section and are stiffened in the center by a rib.

Suggestion for the Use of Coupons

The execution of orders for printed copies of U. S. patents, trade-marks, etc., will be considerably expedited if coupons are used. Such coupons may be purchased at the Patent Office in lots of 20 at $2.00 and 100 at $10.00.

Coupon orders do not have to be accompanied by letters of transmittal. They require nothing but the filling in of the patent number, the name of the inventor, the date of issue, and the name and address of the party desiring the service.

Condition of Applications Under Examination at Close of Business April 12, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,194. Trade-Mark Division, 1,243. Oldest new case, July 9, 1940, oldest amended, July 9, 1940. The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting action	Oldest amended application awaiting action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets, Sewerage, Domestic Cooking Vessels, Closure Operators, Fences, Gates, Tillage	Nov. 19	Nov. 16	457
6708	2. HERRMANN, D., Fishing and Trapping, Dairy, Animal Husbandry, Presses, Tobacco, Butchering, Bee Culture	Nov. 9	Sept. 25	543
4083	3. LINDSEY, A., Heating, Metal Founding, Metallurgy, Metal Treatment, Electric Furnaces	†Feb. 12	†Feb. 12	368
7083	4. DONNELLY, A. E., Conveyors, Hoists, Handling Apparatus and Implements, Excavating, Elevators, Fire Escapes, Ladders, Scaffolds, Store Service, Pneumatic Despatch	†Jan. 2	Nov. 22	499
3077	5. ROBINSON, C. W., Harvesters; Music, Acoustics, Sound Recording, Knotters, Buckles, Buttons	Nov. 13	Nov. 2	444
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Sept. 7	Sept. 7	1,077
5725	7. JARBOE, C. G., Optics, Photography	Oct. 5	Oct. 4	903
3885	8. ADAMS, F. L., Beds, Chairs, Kitchen and Table Articles, Racks and Cabinets, Furniture	Oct. 2	Sept. 26	851
4624	9. ADAMS, R. E., Pumps, Fluid and Fluid-Current Motors	Oct. 28	Oct. 31	577
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops, Vehicle Fenders, Spring Devices	Nov. 4	Nov. 12	297
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings, Button, Eyelet, and Rivet Setting, Harness, Leather Manufactures, Nailing and Stapling, Whip Apparatus, Hides, Skins, and Leather	†Jan. 3	Dec. 23	427
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements, Mechanical Starters, Stop Mechanisms	Oct. 19	Oct. 16	492
5066	13. BORLIK, F. J., Gear Cutting, Milling, and Planting, Metal Drawing, Forging and Welding, and Rolling, Metal and Plastic Metal Working, Needle and Pin Making, Turning, Boring and Drilling	Oct. 9	Sept. 30	592
5097	14. FREEHOF, H. B. (Act.), Farriery, Metal Bending, Metal Tools and Implements, Making, Sheet-Metal Ware, Making, Wire Fabrics, Wire Working, Metal Working, Blanks and Processes, Metal Stock	Dec. 18	Dec. 12	536
4897	15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus, Plastics	Oct. 4	Oct. 3	1,039
5716	16. SPENCER, C. J., Telegraphy, Telephony	Dec. 26	Dec. 18	548
5701	17. ARMSTRONG, H., Ornamentation, Paper Manufactures, Printing, Type Casting, Sheet-Material Associating or Folding, Sheet or Web Feeding, Type Setting	Nov. 27	Dec. 7	535
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type, Power Plants, Speed-Responsive Devices	Nov. 18	Nov. 20	430
4090	19. KENNEDY, A. R., Furnaces and Stoves, Fuel Burners	Dec. 4	Dec. 7	589
6605	20. BROWN, L. M., Miscellaneous Hardware, Closure Fasteners, Locks, Safes, Undertaking, Bread, Pastry, and Confection Making	Oct. 12	Oct. 31	356
7733	21. THOMPSON, T. J., Textiles, Cloth Finishing	†Jan. 4	†Jan. 15	341
5900	22. RINGLE, D., Aeronautics, Firearms, Ordnance, and Explosive Devices, Mechanical Guns and Projectors, Boats and Buoys, Ships, Marine Propulsion	July 9	July 9	1,402
7024	23. BUTTNER, W. J., Registers (part)	Aug. 7	Aug. 26	279
5083	24. DURAS, C. O., Apparel; Apparel Apparatus, Garment Supporters, Sewing Machines	Sept. 3	Sept. 13	938
5709	25. BLAKELY, C. F., Classifying Solids, Centrifugal-Bowl Separators, Milk, Threshing, Vegetable and Meat Cutters and Comminutors	Oct. 23	Nov. 9	511
5803	26. YOUNG, R. R., Electricity, Generation, Motive Power	Nov. 23	Nov. 22	417
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning, Washing Apparatus, Textiles, Ironing and Fluid Treatment	Nov. 5	Oct. 28	366
4628	28. SOLYOM, H. L., Internal-Combustion Engines, Machine Elements, Cylinders and Pistons	Nov. 6	Sept. 18	280
5082	29. SHKLARIN, J. B., Woodworking, Tools, Metal Working, Cloth, Leather, and Rubber Receptacles, Baggage, Package and Article Carriers, Tables	Oct. 28	Nov. 22	602
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation, Illuminating Burners, Illumination, Thermostats and Humidostats	Dec. 21	Dec. 23	542
4716	31. DUNCOMBE, C. S., Mineral Oils, Hydrocarbons	Oct. 31	Oct. 31	1,374
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange, Gas Separation, Agitating	Nov. 20	Nov. 30	884
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures, Roofs, Roads	Dec. 4	Dec. 13	859
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals, Surface Track, Track Sanders, Draft Appliances, Signals and Indicators	Aug. 4	Sept. 20	355
4876	35. BROMLEY, E. D., Card and Sign Exhibiting, Dispensing, Portable Receptacles	Oct. 18	Oct. 22	841
7892	36. McFADYEN, A. D., Measuring and Testing, Force Measuring, Automatic Weighers	Sept. 21	Oct. 7	572
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 4	Oct. 7	558
3084	38. KRAFFT, C. F., Earth Boring, Hydraulic and Earth Engineering, Mining and Quarrying, Stone-working; Wells, Plastic Compositions	Aug. 1	Aug. 22	838
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators, Multiple Valves, Valves, Water Distribution	Dec. 16	Dec. 18	527
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 18	Sept. 18	1,017
7612	41. HERTZ, M., Typewriting Machines; Coin Handling, Recorders, Registers (part), Deposit and Collection Receptacles	Nov. 13	Nov. 13	474
5882	42. CUTTING, H. O., Electric Signaling	Dec. 4	Nov. 16	30
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics, Bleaching and Dyeing, Explosive Compositions, Sugar and Starch, Azo Compounds	Sept. 27	Sept. 27	522
4087 B	44. HARVEY, L. P., Refrigeration	Oct. 3	Sept. 26	601
7093	45. HILL, H. D., Shafting and Couplings, Lubrication, Bearings and Guides, Motors, Engine Cooling, Resilient Tires and Wheels; Wheels and Axles	†Jan. 23	†Jan. 10	44
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling, Fire Extinguishers, Boilers, Heating Systems, Coating Implements and Machines	Nov. 19	Nov. 19	502
6082	47. KANOF, W. J., Clutches, Brakes	Dec. 20	Dec. 12	379
5731	48. ROEPKE, O. B., Electricity, General Applications, Igniters	Nov. 14	Nov. 15	963
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus, Ventilation, Driers, Liquid Purification	Oct. 23	Oct. 14	80
4701	50. LEVIN, S., Synthetic Resins, Carbohydrate Derivatives; Rubber, Coating Processes	Oct. 15	Oct. 15	1,224
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 10	†Feb. 6	384
7709	52. KNOTTS, M. K., Supports, Chucks; Joint Packing, Pipe and Rod Joints or Couplings, Tool Handle Fastenings; Conduits and Housings, Laminated Packing, Pipes and Tubular Conduits	Dec. 5	†Jan. 2	508
6897	53. PECK, M. K., Books, Manifolding, Printed Matter, Stationery, Education, Paper Files and Binders, Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens, Toilet, Label Pasting and Paper Hanging	Sept. 23	Sept. 17	847
5883	54. STRACHAN, O. W., Electric Lamps, Vapor Electric Devices, Radiant Energy (part)	Nov. 25	Nov. 22	350
6883	55. BOWEN, S. T., Cutlery, Artificial Body Members, Dentistry, Surgery	Dec. 4	Nov. 22	331
4725	56. COCKERILL, S., Electrochemistry, Laminated Fabrics, Paper Making	Sept. 12	Sept. 12	1,194
6013	57. NICOLSON, G. D. G., Cutting and Punching, Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making, Driven and Screw Fastenings, Jewelry, Nut and Bolt Locks, Amusement Devices	Aug. 28	Dec. 7	171
5605	58. DOWELL, E. F., Abrading, Bottles and Jars	Nov. 26	Nov. 12	512
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers, Gas, Heating and Illuminating, Substance Preparation, Heterocyclic Compounds	Oct. 17	Oct. 18	992
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries, Resistances, Dynamo Plants	Oct. 12	Aug. 2	297
6724	61. YUNGKWAI, B., Laminated Electrical Insulation, Belt, Hose, Tire, Ball Making, Winding, Reeling, Pushing and Pulling, Horology; Time-Controlling Apparatus, Railway Mail Delivery	Nov. 19	Oct. 28	353
5621	62. PUGH, E. C., Games, Geometrical Instruments	Dec. 2	Oct. 24	382
4888	63. WINKELSTEIN, A. H., Foods and Beverages, Preserving, Disinfecting, and Fermentation, Poisons	Sept. 9	Sept. 19	1,045
4708	64. NASH, P. M., Acetylene, Distillation, Gas Mixers, Oils, Fats and Glue, Liquid Coating Compositions, Fuel	Dec. 24	Dec. 27	721
5612	65. McDERMOTT, F. P., Electricity, Conductors, Repeaters, Relays, Wave Transmission	†Jan. 10	†Jan. 21	271
2099 B	Trade-Marks: F. A. RICHMOND	†Mar. 8	†Mar. 24	1,243
2005	Designs: H. H. KALUPY	†Feb. 24	†Mar. 3	1,082

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE PARSONS

Nos. 4,365, 4,366, 4,367 and 4,368. Decided January 6, 1941

[116 F.(2d) 524]

Appeal No. 4,365

1. PATENTABILITY—DRIED MILK PRODUCT AND METHOD OF MAKING.

Certain claims to a dried milk product and certain claims to the method of making it *Held* unpatentable as expressing no invention over the prior art.

Appeal No. 4,366

2. SAME—SAME.

Certain claims to a dried milk product and certain claims to the method of making it *Held* unpatentable over the prior art.

Appeal No. 4,367

3. SAME—ICE CREAM AND METHOD OF PREPARATION.

Certain claims to ice cream and certain claims to its method of preparation *Held* unpatentable as expressing no invention over the prior art.

Appeal No. 4,368

4. SAME—BAKERY PRODUCT AND PROCESS OF MANUFACTURE.

Certain claims to a bakery product and certain claims to the process of manufacturing it *Held* properly rejected for lack of invention over the prior art.

APPEALS from Patent Office. Affirmed.

Mr. Norbert E. Birch (*Mr. R. G. Story* of counsel) for Parsons.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

In this court appeals Nos. 4,365, 4,366, 4,367, and 4,368 were consolidated so as to be presented in single briefs and argued on the same basis. These appeals were argued concurrently with *In re Parsons*, appeals Nos. 4,362, 4,363, and 4,364, 28 C. C. P. A. (Patents) —, 115 F.(2d) 928, 525 O. G. 278, decided December 9, 1940, which involved closely related matters.

The application, Serial No. 116,988, in the parent case, appeal No. 4,365, relates to a dried milk containing higher fatty acid esters of polyhydric alcohols and the method of making the same. The applicant employs the fatty acid esters of glycerol or glycols. Application, Serial No. 165,530, in appeal No. 4,366, is a continuation-in-part of the application in the parent case and relates to a dried milk product and the method of making the same with glyceryl esters as a species of the esters covered by the parent case. Application, Serial No. 134,127, in appeal No. 4,367, is a division of the parent application and relates to the manufacture of ice cream with the composition of the parent case. The application, Serial No. 134,188, in appeal No. 4,368, is a division of the parent application and relates to the use of the dried milk of the parent case in bakery products. No claim in any of the involved applications was allowed, and appellant took no appeal as to certain of the rejected claims.

A separate record was presented in each case and separate decisions rendered below. In the interest of clarity we will separate the cases for decision.

Appeal No. 4,365—Serial No. 116,988

The application involved in this appeal contains both product and process claims which are directed to a dried milk product and the method of making the same and which call for the use of higher fatty acid esters of polyhydric alcohols.

Claims 5 and 11 seem to be illustrative of the appealed claims and read as follows:

5. Dried milk containing monoacid ester of stearic acid and glycerol.

11. The process of manufacturing an improved dried milk product which comprises adding to liquid milk and incorporating therewith a small percentage of glyceryl ester of a higher fatty acid having a free glyceryl alcohol group in the glyceryl part of the ester and thereafter drying.

The references relied upon by the Primary Examiner of the United States Patent Office are: Roth et al., 2,065,398, December 22, 1936; Christensen et al., 1,958,295, May 8, 1934.

The claims at bar, being numbered 1, 4, 5, 8, 11, 14, 15, and 18, were rejected as being aggregative. This ground of rejection was not approved by the Board.

The Examiner also rejected the claims as being met by the prior art cited. The Examiner concluded that in view of the prior art it was old to use the esters described in this application in the manufacture of ice cream. In rejecting the claims on the prior art the Examiner said:

Claims 1, 4, 5, 8, 11, 14, and 15 have been further rejected as lacking invention over Roth et al. or Christensen et al. Roth et al. shows it to be old to use the esters of this application in the manufacture of ice cream. Roth et al. also discloses the use of conventional dried milk in such improved ice cream. It is clear, and it has not been denied by applicant, that Roth et al. prepares ice cream containing the esters and dried milk employed by applicant. However, applicant states that Roth et al. does not disclose dried milk containing the ester.

It is apparent that the addition of the ester to dried milk does not involve invention in view of Roth et al. The claims call for a product "containing" the ester. Accordingly, the claims are not restrictive in character. Moreover, even if the claims be given a restrictive interpretation there would be no invention in associating dried milk and the esters. As has been stated heretofore, there appears to be nothing unobvious in such association. Applicant has furnished no evidence that any unusual results are obtained from such a mixture. In effect applicant has merely isolated two of the materials used by Roth et al. and associated them to form a composite product. The properties of the milk and the ester appear to remain unchanged.

As to Christensen et al., the patent shows a mixture consisting of milk and the esters of this application. There appears to be no invention in drying such a mass. It has been held repeatedly that changing a liquid mass to a dry state does not ordinarily involve invention.

The rejection by the Examiner upon the prior art was approved by the Board of Appeals. The Board in its decision applied the references to the claims in substantially the same manner as did the Examiner and it would serve no useful purpose to extensively quote from its decision.

It will be noticed that invention is claimed over the prior art solely upon the ground that the prior art does not show mixing the liquid milk with said

esters and subsequently drying the liquid mixture. It is true that the prior art does not show these particular esters mixed with liquid milk which is subsequently dried and known as "dried milk." Appellant in this court has urged that such mixing is new, useful and inventive. It is not questioned but that the esters used are old or that they have been used in connection with dried milk.

[1] We are in agreement with the tribunals of the Patent Office that the mere fact that appellant mixes his esters with liquid milk and then dries the mixture, instead of mixing the esters with dried milk, does not amount to invention. It is not seen how any useful, unexpected result could be obtained, but assuming that there were useful results obtained, we are in agreement with the tribunals below that following this procedure did not amount to invention. The decision of the Board of Appeals, affirming that of the Examiner, is affirmed.

Affirmed.

Appeal No. 4,366—Serial No. 165,530

As before stated, this application is a continuation-in-part of the application, Serial No. 116,988, previously herein considered. The rejected claims, Nos. 7, 8, 10, and 11, are the species claims which appellant elected to prosecute in this application and are in the form of article and process claims directed to dried milk containing the glyceryl esters. Claims 7 and 11 are illustrative and follow:

7. Dried milk containing a substance selected from the group consisting of diacid ester of glycerol and a higher fatty acid and higher fatty acid monoacid ester of diethylene glycol.

11. The process of manufacturing an improved dried milk product which comprises adding to liquid milk and incorporating therewith diacid ester of glycerol and a higher fatty acid and thereafter drying.

The claims were rejected by the Examiner for substantially the same reasons as those assigned for rejecting the claims in the parent case. The references relied upon are the same. The Board did not approve of the Examiner's rejection of the claims on the ground that they were aggregative, but did affirm his decision rejecting the claims on the prior art cited and stated that it would not be necessary to repeat the discussion of the former case in the decision as to the instant appealed claims.

[2] We are in entire agreement with the decision of the Board in affirming the Examiner in his rejection of the claims on the prior art cited, and its decision so doing is affirmed.

Affirmed.

Appeal No. 4,367—Serial No. 134,127

This application, as before stated, is a division of application Serial No. 116,988 and relates to employing the dried milk ester composition of the parent case in the manufacture of ice cream. Claims for both the product and the method of making same are included in this case. Eight claims, numbered respectively 1, 2, 3, 4, 7, 8, 9, and 12 are on appeal here, of which claims 1 and 8 are illustrative and follow:

1. As an article of manufacture, an improved ice cream product containing a small percentage of a dried admixture of milk and an ester of a polyhydric alcohol and a higher fatty acid being characterized by having one or more free alcoholic hydroxyl groups in the polyhydric alcohol part of the ester.

8. The process of manufacturing an improved ice cream product which comprises adding thereto and dissolving therein a dried admixture of milk and a glyceryl ester of a higher fatty acid having a free glyceryl alcohol group.

The references relied upon are the same as those in the parent case.

The Examiner rejected the appealed claims for substantially the same reasons assigned in his rejection of the claims in the appeals herein previously considered, and in addition rejected the appealed claims on the grounds of insufficient disclosure. Upon appeal to the Board, it approved of the rejection of the Examiner as to lack of invention over the prior art and disapproved of his grounds of rejection as to aggregation and insufficient disclosure. In affirming the Examiner in rejecting the claims on the prior art the Board said:

> The claims on appeal relate to an ice cream product and to the method of preparing the same. Essentially the claims involve an ice cream mix containing a certain percentage of dried admixture of milk and hydrophilic ester of the type specified. It is claimed that this ingredient in the ice cream causes it to be smoother in texture and to give greater increase in bulk or overrun when the ice cream is frozen.
>
> This application is entitled as a division of applicant's case Serial No. 116,988. In a concurrent decision in that application we find claims directed to the dried milk ester mixture and method of preparing the same not allowable over the state of the art. We hold in respect to the claims on appeal that invention is not involved in employing such premixed dried product in making up ice cream mixture where it has been proposed to broadly add the same hydrophilic ester as a dispersing agent to an ice cream mixture.
>
> After careful consideration of the record including extensive discussion in the brief, we are unable to find that new or unobvious result is secured by the premixing feature. While it is conceded that the claims are not directly anticipated in the prior art such as in the patents to Roth et al. or Christensen et al., we hold that it should be obvious to those working in the art that the more thoroughly the dispersing agent is distributed in the mixture or an ingredient thereof, such as the dried milk, that possibly better dispersion would be secured. We are unable to agree that invention is involved in this feature and agree with the Examiner's conclusions that the claims lack invention over Roth et al. in view of Christensen et al.

[3] For reasons heretofore stated, we are in agreement with the holding of the Board to the effect that appellant has done nothing unobvious and that the claims defining what he has done, even though the use of such dried mixture is not shown in the prior art, lack invention, and the decision of the Board of Appeals, affirming that of the Examiner in rejecting the appealed claims in this case on the prior art, is affirmed.

Affirmed.

Appeal No. 4,368—Serial No. 134,188

This appeal involves eight claims, numbered respectively 1, 2, 3, 4, 7, 8, 9, and 12, of which claims 1, 3, and 8 are illustrative and follow:

1. A bakery product containing a dried admixture of milk and an ester of a polyhydric alcohol and a higher fatty acid being characterized by having one or more free alcoholic hydroxyl groups in the polyhydric alcohol part of the ester.

3. A bakery product containing a dried admixture of milk and a glyceryl ester of a higher fatty acid having a free glyceryl alcohol group.

8. The process of manufacturing an improved bakery product which comprises adding thereto and incorporating therewith a dried admixture of milk and a glyceryl ester of a higher fatty acid having a free glyceryl alcohol group.

As indicated by the claims, they call for a bakery product and the process of producing the same by adding to it or incorporating therewith a dried mixture of milk and a hydrophilic ester of the type set forth.

The Examiner and the Board relied upon three references: Christensen et al., supra; Harris, 2,024,357, December 17, 1935; and Joffe, 2,033,195, March 10, 1936.

The Examiner also rejected the claims on the ground that they were aggregative and as being based upon insufficient disclosure. The Board, as in the former appeal, disapproved of these grounds of rejection, but it approved the Examiner's rejection of the claims on the cited prior art.

The Harris and Joffe patents disclose that it was old to use the said esters for their dispersing properties and Harris suggests that the hydrophilic ester may be combined or premixed with any of the various ingredients. Joffe suggests that it be mixed with the egg material. Christensen et al. disclose adding such hydrophilic esters to skimmed milk.

It was the view of the Examiner and the Board that there was no invention in mixing the hydrophilic ester with milk before evaporating to powder and then employing such combined milk and ester mixture in bakery products rather than adding the ester separately as such to cake batters, or even premixed with various of the ingredients or to skimmed milk.

In discussing the references, the Board said:

> Since we find in application Serial No. 116,988 that the claims to the dried milk ester composition do not set forth invention and are not allowable, it is our conclusion that the employment of it broadly in cake batters can present no invention in view particularly of Harris and Joffe. It is believed no new or unobvious result is secured. It is conceded that the terms of the claims are not directly anticipated but we hold it is no more than apparent before hand or at least suggestive that somewhat quicker dispersion of the dried milk might be accomplished where the dispersing agent is more thoroughly mixed with the material to be dispersed and that more uniform distribution of the dispersing agent might be secured through a large bulk of material if it be first thoroughly mixed with a relatively smaller mix. This is believed appreciated by Harris where it is suggested that the hydrophilic ester may be premixed with any materials of the cake batter. The rejection of the claims on each of Harris and Joffe, or particularly either of these in view of Christensen et al., is affirmed.

[4] For reasons hereinbefore stated, we are of the opinion that the Board arrived at the right conclusion and that the claims were properly rejected over the prior art cited, and its decision so doing is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PARSONS

No. 4,392. Decided December 9, 1940

[115 F.(2d) 925]

PATENTABILITY—CHEESE AND PROCESS OF MAKING SAME. Certain claims of application relating to cheese and the process of making same *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. R. G. Story for Parsons.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting claims 1, 3, 30, 31, 32, and 40 of appellant's application for a patent. Four claims were allowed by the Examiner.

All of the appealed claims were rejected by the Examiner as lacking patentability over the cited prior art. Claims 1, 30, 31, 32, and 40 were also rejected by him as being indefinite in merely stating a result without giving the steps necessary to produce that result.

Both grounds of rejection were affirmed by the Board of Appeals.

Claims 1, 3, 32, and 40 are illustrative of the appealed claims and read as follows:

1. The method of curing curd which comprises holding curd to which no salt has been added at a suitable temperature for a sufficient length of time to develop a creamy texture.

3. The method of preparing pasteurized cheese which comprises mixing aged cheese with unsalted curd and thereafter pasteurizing the mixture.

32. A new product comprising matted or Cheddared curd of relatively high acidity having a creamy texture.

40. The method of treating curd which comprises holding Cheddared or matted curd to which no salt has been added until a creamy, short texture is developed in the curd.

The references are: Cooley, 241,788, May 24, 1881; Buskist et al., 821,334, May 22, 1906; Kaufmann et al., 1,694,921, December 11, 1928; Bulletin 608, U. S. Department of Agriculture, 1918, pages 12 and 13; Cheese Making, Decker-Sammis, 1924, page 218.

Appellant's alleged invention is concisely described by the Board of Appeals in its decision as follows:

> The disclosure is said to relate to a new process for the preparation of cheese and the product which results from the process. The process relates to the preparation or curing of curd for use in the manufacture of pasteurized cheese. The specification states that applicant has discovered that the matted or Cheddared curd without salt, if held at a suitable temperature for a sufficient length of time, develops a peculiar creamy condition, that this curd may be blended with aged cheese, water, salt, emulsifying salt and a neutralizing salt in such proportion that a pasteurized cheese will be produced having a desirable, uniform texture, flavor and body. It is stated that in the present process the matting or Cheddaring, instead of going on for a period of forty minutes to an hour, as in the manufacture of ordinary Cheddar cheese, goes on for days, that a suitable temperature is from 50–70° F. and the time may be for from three to ten days. As a result of this continued matting, a very high degree of acidity is said to be produced. Accompanying the development of this high degree of acidity, a new and different texture is produced in the resulting curd which is said to be very creamy and short and can be blended with aged cheese and manufactured into pasteurized cheese having a very desirable texture. It is stated that the excess acidity can be successfully neutralized by treating the cheese blend containing the special cured curd with a neutralizing salt, the preferred one being trisodium phosphate.

The patent to Cooley relates to the preparation of curd from buttermilk. The buttermilk is heated to settle the curd; the whey is then withdrawn from the curd. Warm water is added to the curd and the curd is stirred thoroughly to wash out the lactic acid; sodium bicarbonate is sometimes added to assist in removing the acid. The curd is then drained and slightly pressed to remove any water that may remain. There is then added to the curd oleaginous material, such as cream or lard, and the resulting product is intimately mixed with milk to make cheese.

The patent to Buskist et al. relates to a process for making cheese in which less acid is developed than is usual in preparing the curd. Instead of salting the curd after the whey is drawn off, the curd

is covered with cold water of a temperature of about 50° F. The patent states:

> After the curd has been in the water a sufficient length of time to feel not harsh, but soft and silky when squeezed in the hand, the water is drawn from the curd-sink and the curd is stirred and permitted to drain until quite dry. It is then salted, put to press, and cured in any of the usual ways.

The patent further states that the process produces "a soft, velvety, purified curd, the foundation of a fine rich cheese." It is also stated that the curd is "mellowed and softened in cold water."

The patent to Kaufmann et al. discloses a preparation of a cheese product comprising mixing curd, apparently unsalted, with ground cheese, and thereafter heating the same to a pasteurizing temperature.

Bulletin 608 of the U. S. Department of Agriculture describes the conventional process of making Cheddar cheese. The publication states that:

> * * * When the curd has broken down until it has the *smooth feeling of velvet*, which requires from one to three hours, it is milled by means of a machine, which cuts it into pieces the size of a finger. It is then stirred on the bottom of the vat until whey ceases to run, which requires from one-half to one and one-half hours, when it is salted * * *. [Italics ours.]

The publication "Cheese Making," Decker-Sammis, states:

> The development of acid in the curd as described improves the flavor and texture of the finished cheese * * *

We will first consider the rejection of the claims upon the references of record.

The Examiner rejected claims 1 and 40 upon the patent to Buskist et al. Claim 1 merely embraces the holding of unsalted curd at a suitable temperature for a sufficient length of time to develop a "creamy texture." The Examiner held that the term "creamy texture" was indefinite, stating:

> * * * what does "creamy texture" mean? One expert will opine that a "creamy texture" had been attained while another expert will disagree. * * *

He further stated that the distinction, if any, between "creamy" and each of the terms used by Buskist et al., "mellow," "soft," "velvety," and "silky" is "clearly per se insufficient a basis upon which to predicate patentability."

While appellant's counsel in his brief asserts that one skilled in the art will readily understand the term "creamy texture," there is nothing in the record to substantiate this statment, and, as above stated, the Examiner was of the opinion that experts in the art would differ as to when a "creamy texture" had been attained.

Appellant might, under rule 76 of the Rules of Practice in the United States Patent Office, have filed an affidavit with respect to the understanding of the term "creamy texture" by those skilled in the cheese-making art, but he did not do so.

Upon the record before us we cannot hold that there is any patentable distinction between the term "creamy texture" as used by appellant and the terms "soft," "velvety," and "silky" texture disclosed in the Buskist et al. patent, and therefore we are of the opinion that claim 1 was properly rejected as being unpatentable over the Buskist et al. patent.

Claim 40 differs from claim 1 only in that it specifies Cheddared or matted curd, and omits any reference to temperature. The Examiner held that the Buskist et al. patent obviously refers to matted curd. We are in agreement with this view and hold that claim 40 was properly rejected for reasons given by the Examiner and affirmed by the Board of Appeals.

Claims 1 and 40 were also rejected, together with claims 30, 31, and 32, as being unpatentable over the conventional procedure of matting or Cheddaring curd as described in the Decker-Sammis reference or in Bulletin 608 of the U. S. Department of Agriculture. With respect to this ground of rejection the Board in its decision stated:

> The claims, except claim 3, are further rejected as unpatentable over the conventional procedure of matting or Cheddaring curd, as described in either the Decker-Sammis publication or Bulletin 608. Appellant argues on page 25 of his brief that there is nothing of record to justify the Examiner's bland statement that texture improvement would accompany acidity development in the Decker-Sammis curd nor in the Bulletin 608 curd and that obviously neither of these procedures would develop applicant's creamy texture since this is something that follows the Cheddaring process.
>
> In the Decker-Sammis publication on page 214 it is stated, in substance, that two important changes go on in the curd, both of which should be watched closely by the cheese maker, that these are the separation of whey from the curd by which the curd becomes drier and firmer as time passes and the development of acid by the bacteria in the curd, that under the best conditions these two, acid and firmness, develop at the same time and the cheese maker tries to have them so in order that at the time the whey is drawn the curd may have the right acidity and the right firmness. On page 218 of this Decker Sammis publication, it is stated, in substance, that when the curd is first matted, its acidity is low and during the next few hours it is to be kept warm in order to develop more acid, that the development of acid in the curd as described improves the flavor and texture of the finished cheese and also greatly reduced the danger of getting a spongy, gassy cheese.
>
> It appears from this that the Decker-Sammis publication discloses that the texture and flavor improvement would accompany the development of acidity and it is believed that the Examiner's position as to this disclosure in the art is correct. It is true that the publication does not use the term, "creamy texture," but since the publication indicates that the texture is developed by the increasing acidity, it appears that the word, "creamy," merely indicates a desired stage in the development of the texture by this matting process.

We are in accord with the foregoing, and are also in accord with the view of the Examiner, impliedly concurred in by the Board, that Bulletin 608 negatives patentability of all the claims except claim 3. This bulletin discloses that unsalted curd, after matting, is held at a temperature of about 90° F. from 1 to 3 hours, which gives to the curd "the smooth feeling of velvet."

Claim 3 recites a method of preparing pasteurized cheese which comprises mixing aged cheese with unsalted curd, and thereafter pasteurizing the mixture.

It is unnecessary here to discuss all the grounds of rejection of this claim. Suffice it to say that in our opinion it lacks patentability over the patent to Kaufmann et al. As hereinbefore stated, this patent discloses the mixing of unsalted curd with cheese, and pasteurizing the mixture. The only difference between the process recited in claim 3 and the process disclosed by Kaufmann et al. is that claim 3 recites the mixing of *aged* cheese with unsalted curd, while Kaufmann makes no reference to *aged* cheese. Surely anyone following the teachings of Kaufmann et al. would be free to use any kind of cheese to mix with the unsalted curd.

For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PINKERTON

No. 4,403. Decided December 9, 1940

[115 F.(2d) 823]

PATENTABILITY—METHOD OF PRODUCING POLYMERIZED OLEFINS.

Claims of an application relating to a method of producing polymerized olefins, *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin and Edmonds (*Mr. Louis D. Forward* and *Mr. Morton S. Neill* of counsel) for Pinkerton.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting, for want of patentability over the cited prior art, claims 1, 4, 5, 6, and 8 of appellant's application for a patent. Claims 2, 3, and 7 were also rejected, but are not included in this appeal. No claims have been allowed.

Claim 4 is illustrative of the claims before us and reads as follows:

> 4. In the production of polymerized olefins wherein a heated gaseous mixture containing a substantial amount of higher olefins and at a temperature approximating 450°–550° F. is passed in contact with a catalyst and the product resulting from the catalyzing operation is subjected to fractional separation in a stabilizing chamber, the improvement which comprises withdrawing from the stabilizing chamber at least a portion of a fraction containing a substantial quantity of butylene, and introducing said portion into the catalyzing operation together with fresh heated gaseous mixture containing a substantial amount of higher olefins.

The references cited are: Fitch, 2,072,745, March 2, 1937; Wagner, 2,088,824, August 3, 1937.

In a request for reconsideration of the decision of the Board of Appeals appellant's alleged invention is concisely described as follows:

> Perhaps applicant's invention can be most concisely defined as involving a novel and meritorious *modification of a conventional* catalytic polymerization process conducted at *conventional* temperatures and wherein there is a *conventional* recirculation or recycling of unpolymerized material vaporized in the stabilizing operation, including butylenes, propylenes and hydrocarbons even more volatile than butylenes and propylenes (e. g., ethane and ethylene). The applicant's novel modification of this conventional practice consists in segregating, from the vaporized material usually recycled as a composite mixture, a special fraction to be recycled. The special characteristic of this special fraction is not merely that it shall *contain* butylene and propylene and the like but that it shall contain a *substantial quantity of butylene* in preference to propylene and more volatile hydrocarbons so that *by this recycling* the ratio of *butylene to propylene* in the catalytic reaction zone *may be increased* and thus brought closer to that ratio which presents optimum conditions for propylene polymerization in the catalyst contact zone.
>
> Normally the theoretical ultimate of this improvement would involve segregation and recirculation of butylene alone. In practice this ultimate can only be approached, because the boiling points of butane and butylene differ by only 6 degrees. Therefore in practice the butylene fraction will include considerable butane. Furthermore, in apparatus used for commercial practice of processes of this type the butylene fraction will contain lesser quantities of propane and proylene in addition to some butane, *but the objective is to fractionate the material vaporized in the stabilizer so as to obtain, for recycling,* a material which has been made *richer* in butylene and *leaner* in propylene, propane and the like.
>
> * * * * * * *
>
> From the foregoing we believe it will be apparent that the essence of the invention involves *the selection* from the material vaporized in the stabilizing operation (as by fractional condensation to form a side stream) of a particular fraction to be recycled and in which the *concentration of butylenes has been substantially increased*; thus making it possible *by the recycling* to adjust the butylene ratio in the catalyst contact zone in a direction more desirable with respect to propylene conversion. [Italics throughout quoted.]

The patent to Fitch does not seem to have been relied upon by either the Examiner or the Board, in so far as the claims before us are concerned. The Examiner relied in part upon this patent for the rejection of claims 2 and 7, which are not before us. Therefore no description of the Fitch patent is necessary.

The patent to Wagner discloses essentially the same process as that recited in appellant's specification except that Wagner recycles all of the volatile compounds (including butylene and propylene) accumulated in the top of the stabilizer in the form of vapors or gases, while the process disclosed by appellant recycles only a fraction of the accumulated gases in the top of the stabilizer, which fraction, appellant states, "contains a substantially increased concentration of butylenes," as compared with the composite mixture of gases eliminated from the polymer gasoline in the stabilizing operation.

While the process disclosed by Wagner primarily relates to a thermal type of polymerization process employing very high temperatures, the Board in its decision stated:

> * * * Appellant draws a distinction between a polymerizing process in which a catalyst is used as distinguished from a process where heat and pressure conditions are such that polymerization takes place without a catalyst. However, the Wagner patent relied on as the principle reference distinctly refers in the fourth paragraph, page 1, to a treatment wherein the gases to be treated are polymerized in the presence of a catalyst or without the presence of a catalyst and under certain temperature and pressure conditions. Although we note that appellant's temperature range is lower than that set forth in this paragraph, yet that may imply with a catalyst present a lower temperature is satisfactory and those skilled in the art would appreciate that fact.

It will be observed that claim 4 recites that the product resulting from the catalyzing operation is subjected to fractional separation in a stabilizing chamber, and that appellant's improvement comprises withdrawing from the stabilizing chamber "at least a portion of a fraction containing a substantial quantity of butylene" and recycling the same into the catalyzing operation.

There can be no question that Wagner discloses fractional separation in the stabilizing chamber of the product resulting from the catalyzing operation, and he specifically states that the fraction consisting of composite gases comprises butylene and propylene. True, the result of his fractionation results in but two components, one the stabilized liquid gasoline and the other the composite gaseous mixture which is recycled into the catalyzing operation, but this mixture contains butylene.

That this composite mixture is a fraction containing butylene is acknowledged in appellant's brief wherein it is stated:

> It is of course true that the fraction which Wagner recycles will contain both propylene and butylene since

these materials must be eliminated from the unstable gasoline in order to produce a stable gasoline. Furthermore, it is of course true that some conversion of the butylene and propylene recycled in Wagner may occur. But the fraction which Wagner recycles is necessarily lean with respect to butylene so that the Wagner recirculating operation *impairs* rather than *improves* the butylene to propylene ratio in the polymerization zone. [Italics quoted.]

Appellant's specification, in reciting the prior art, does not state that the fraction recycled to the catalyzing chamber, as disclosed in such art, does not contain a substantial quantity of butylene. Upon this point appellant merely states that by his process he obtains a mixture for recycling "which contains a substantially increased concentration of butylenes." Of course a substantial quantity of butylene in a mixture might be substantially increased by resort to a certain feature of appellant's process not embraced in the claims, viz., the separation of the composite mixture of gases at the top of the stabilizing chamber and the withdrawal of a specified portion thereof.

That appellant's counsel considered this feature as the essence of appellant's alleged invention is shown by their brief, wherein it is stated:

> * * * fractionation *of the composite mixture normally eliminated from the unstabilized polymer gasoline in the usual stabilizing operation*, to obtain therefrom a fraction which has been made *richer in butylene* for the purpose of recirculation through the catalyzing zone is of the *very essence* of the invention. It is only by such fractionation that it is possible to adjust, *by such recirculation*, the ratio of butylene to propylene in the catalyzing zone in a direction *toward* rather than *away from* the optimum ratio. [Italics quoted.]

We are in agreement with the views of the Patent Office tribunals that claims 1, 4, and 8 are unpatentable over the Wagner reference. They clearly read upon Wagner except for the word "substantial," and we do not believe that this word has any patentable significance under the circumstances.

Claims 5 and 6 differ from claims 1, 4, and 8 principally in that it is recited in claim 5 that at least a portion of a fraction containing butylene is introduced into the catalyzing operation

"in such a quantity as to produce an optimum concentration of butylene in the catalyzing operation";

and in claim 6 it is recited that at least a portion of a fraction containing butylene is introduced into the catalyzing operation

"in such an amount as to produce an optimum ratio between the quantity of propylene and butylene in the catalyzing operation."

With respect to these limitations the Examiner in his statement stated:

> Claims 5 and 6 have limitations as to the effect that the recycling of the butylene or propylene and butylene fractions is conducted to give optimum concentration of butylene or an optimum ratio of propylene to butylene. According to claim 8, a portion is recycled and another portion is removed to storage. These limitations do not present patentable distinctions over the prior art since they involve mere details of operation that are within the purview of the man skilled in the art. Simple experimentation is sufficient to determine optimum conditions of operation such as temperatures, pressures, catalyst concentration, ratio of reactants, and so on.

With respect to the last sentence in the above quotation appellant's counsel in their brief state:

> As to this ground of rejection appellant points out that the temperatures, pressures and catalyst concentration employed in his process are in no sense novel and have never been relied upon for patentability. Moreover appellant is not attempting broadly to cover control of the ratio of the reactants. For example appellant's claims have nothing to do with any control of the ratio of reactants that might be accomplished by some initial fractionation of the raw gas mixture. A control of this type would be possible, but it would involve a large expense both from the standpoint of equipment required and operating costs. However, we respectfully submit that appellant's specific and unique method of creating a ratio of butylene to propylene which promotes very efficient operation of the low temperature catalyzing operation; namely a control provided by recirculation of a fraction segregated from *a residual material which would impair this ratio if it were itself recirculated*, is an unobvious but meritorious contribution to the art which should be entitled to patent protection. [Italics quoted.]

In view of this statement and our discussion of claims 1, 4, and 8, it is sufficient to say that we are satisfied that claims 5 and 6 are unpatentable over the patent to Wagner.

In conclusion we think it proper to observe that if appellant's application discloses an invention, as to which we express no opinion, the claims before us are so broad as to read upon the Wagner reference. It is of course elementary that limitations which would avoid prior art may not be implied in claims, even if the application would support patentable claims.

For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

Affirmed.

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2,148,997, H. P. Phillips, Piston ring, D. C., E. D. Mo. (St. Louis), Doc. 526, *Hastings Mfg. Co.* v. *St. Louis Spring Co.* Bill and counterclaim dismissed without prejudice Jan. 31, 1941.

2,153,308, C. H. Miller, Coping, filed Feb. 24, 1941, D. C., S. D. Ohio, E. Div., Doc. 332, *Universal Sewer Pipe Corp.* v. *Kual Clay Mfg. Co.*

2,170,789, S. H. Smith, Egg turning mechanism for incubators, D. C., S. D. Ohio, W. Div., Doc. 50, *S. H. Smith* v. *The Buckeye Incubator Co.* Bill and counterclaim dismissed without prejudice Feb. 13, 1941.

2,173,044, Ruggles & Smith, Auxiliary transmission mechanism for four-wheel drive automotive vehicles, filed Jan. 23, 1941, D. C. Del., Doc. 198, *The Timken-Detroit Axle Co.* v. *Alma Motor Co.*

2,195,748, A. Leber, Optical exposure meter, filed Feb. 10, 1941, D. C., S. D. N. Y., Doc. 13/3, *Mimosa American Corp. et al.* v. *Durex Mfg. Corp. et al.*

2,207,322, R. L. Long, Hanger for sliding doors, filed Feb. 4, 1941, D. C., S. D. Calif., C. Div., Doc. 83, *R. L. Long* v. *Klicka Lumber Co.* Doc. 1185-BH, *R. L. Long* v. *N. E. Randall.* Judgment for plaintiff holding patent valid and infringed, injunction Feb. 13, 1941.

2,222,999, S. E. Blumenthal, Mattress ticking, filed Feb. 14, 1941, D. C., S. D. N. Y., Doc. 13/18, *Golding Bros. Co., Inc.*, v. *Blumenthal Print Works.*

2,230,872, O. Turinsky, Smoking pipe, filed Feb. 6, 1941, D. C., N. D. Ill., E. Div., Doc. 2596, *O. Turinsky* v. *Kenilworth Pipe Co.*

Re. 19,744, H. A. Wheeler, Volume control, filed Jan. 30, 1941, D. C., S. D. Ohio, W. Div., Doc. 273, *Hazeltine Corp.* v. *The Crosley Corp.* Same, D. C., E. D. Mich., S. Div., Doc. 2429, *Hazeltine Corp.* v. *General Motors Corp.*

Des. 107,606, A. Waxberg, Dress, D. C., S. D. N. Y., Doc. E 86/184, *G. W. Cohen Corp.* v. *Lombardy Frocks, Inc.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 108,250, N. C. Sternberg, Finger ring, filed Feb. 11, 1941, D. C., S. D. N. Y., Doc. 13/5, *N. C. Sternberg* v. *W. Lampl.*

Des. 115,366, S. H. Aibel, Veiling, D. C., S. D. N. Y., Doc. 7/257, *French Textiles Co.* v. *Young's Textile Mills, Inc.* Consent judgment (notice Feb. 13, 1941).

Des. 115,468, A. Cohen, Dress ensemble, D. C., S. D. N. Y., Doc. 4/398, *Sheila-Lynn, Inc.*, v. *Jay-Day Dress Co., Inc., et al.* Consent judgment as to Tally Dress Co. Nov. 22, 1940. Consent order of discontinuance as to remaining defendants Feb. 10, 1941.

Des. 116,279, H. Berman, Evening gown, filed Feb. 14, 1941, D. C., S. D. N. Y., Doc. 13/26, *Harlene Frocks, Inc.*, v. *Topic Dresses, Inc.* Doc. 8/494, *Harlene Frocks, Inc.*, v. *Miriam Modes, Inc.* Consent order of discontinuance (notice Feb. 21, 1941).

Des. 116,898, E. Breer, Dress, D. C., S. D. N. Y., Doc. 6/27, *Musman-Pincus, Inc.*, v. *Neufeld Furst & Co., Inc.* Consent order (notice Feb. 15, 1941).

Des. 118,505, S. Novak, Dress, D. C., S. D. N. Y., Doc. 8/40, *Flora Dress Co.* v. *Morestyle Frocks, Inc.* Consent judgment Feb. 14, 1941.

Des. 118,770, S. Faden, Dress, D. C., S. D. N. Y., Doc. 7/326, *Weinberg, Weinberg & Alpern* v. *Puritan Skirt & Dress Co., Inc.* Consent judgment Feb. 24, 1941.

Des. 119,579, A. Ruchman, Dress, filed Feb. 20, 1941, D. C., S. D. N. Y., Doc. 13/48, *Apex Dress Co., Inc.*, v. *Bon Ton Dress Mfg., Inc.*

Des. 121,904, J. Rubin, Textile fabric, D. C., S. D. N. Y., Doc. 12/340, *Dexter Woolen Corp.* v. *Goldman Coat Co.* Stipulation of discontinuance (notice Feb. 15, 1941).

Des. 122,377, E. Silverman, Dress, filed Feb. 21, 1941, D. C., S. D. N. Y., Doc. 13-62, *B. Ginsburg et al.* v. *Lady Youth, Inc., et al.*

Des. 122,450, N. Shapiro, Dress, filed Feb. 11, 1941, D. C., S. D. N. Y., Doc. 13/10, *N. Shapiro* v. *Lovejoy Formals, Inc., et al.*

Des. 122,487, E. Lorenz, Embroidered medallion, filed Feb. 15, 1941, D. C., S. D. N. Y., Doc. 12/33, *Morris Bradkin & Co., Inc.*, v. *Irving Rock & Co., Inc.*

Des. 123,611, H. Bayor, Dress, D. C., S. D. N. Y., Doc. 11/457, *Malbec Frocks, Inc.*, v. *Crystal Junior's, Inc.* Consent judgment (notice Feb. 19, 1941).

Des. 124,006, S. Novak, Dress, filed Jan. 30, 1941, D. C., S. D. N. Y., Doc. 12/443, *Flora Dress Co.* v. *Berell Frocks Co., Inc.* Same, filed Feb. 13, 1941, D. C., N. D. Ind. (Fort Wayne), Doc. 84, *Flora Dress Co.* v. *Grayson Shop, Inc., et al.*

Des. 124,677, L. Joel, Dress, filed Feb. 13, 1941, D. C., S. D. N. Y., Doc. 13-12, *Murray Hamburger, Inc.*, v. *S. & M. Litt, Inc.*

Adjudicated Patents

(D. C. N. Y.) Hopkinson patent, No. 1,582,219, for seal for cans and other containers, *Held* invalid and not infringed. *Dewey & Almy Chemical Co.* v. *Mimex Co.*, 37 F. Supp. 36.

(Ct. Cl.) Passy-De Chimang patent, No. 1,599,311, for marine vessel, *Held* not infringed. *Mar-De-Passy Corporation* v. *U. S.*, 37 F. Supp. 141.

(C. C. A. Ohio) Schmidt and Lee patent, No. 1,608,922, for process for preventing the dissolution of iron and steel in sulphuric acid and pickling baths, claims 1, 2, 3, 4, 6, 8, 10, and 11 *Held* invalid and claim 12 *Held* valid and not infringed. *American Chemical Paint Co.* v. *Firestone Steel Products Co.*, 117 F.(2d) 927.

(D. C. N. Y.) Dewey and Crocker patent, No. 1,765,134, for sealing composition, *Held* invalid. *Dewey & Almy Chemical Co.* v. *Mimex Co.*, 37 F. Supp. 36.

(C. C. A. Ohio) Gravell and Douty patent, No. 1,796,839, for material for selectively controlling metal pickling baths, claims 1 and 2 *Held* not infringed. *American Chemical Paint Co.* v. *Firestone Steel Products Co.*, 117 F.(2d) 927.

(C. C. A. Mass.) Ellis patent, No. 1,830,428, for manufacture of insoles, claim 4 *Held* infringed. *B. B. Chemical Co.* v. *Ellis*, 117 F.(2d) 829.

(C. C. A. N. Y.) Gill patent, No. 1,902,440, for a sign, claims 1, 3, 4, 6, and 7 *Held* valid. *Refractolite Corporation* v. *Prismo Holding Corporation*, 117 F.(2d) 806.

(D. C. Mass.) Doble patent, No. 1,945,263, for apparatus for testing insulating values, claim 15 *Held* valid but not infringed. *Leeds & Northrup Co.* v. *Doble Engineering Co.*, 37 F. Supp. 113.

(D. C. Ohio) Van Wormer patent, No. 1,947,748, for paper-cleaning machine, claim 1 *Held* not infringed. *Van Wormer* v. *Champion Paper & Fibre Co.*, 37 F. Supp. 18.

(C. C. A. Calif.) Stadtfeld patent, No. 2,013,193, for composite pipe construction, claims 1, 2, and 3 *Held* valid and infringed. *Payne Furnace & Supply Co.* v. *Williams-Wallace Co.*, 117 F.(2d) 823.

(C. C. A. Md.) Slayter reissue patent, No. 19,929, for method of heat insulating, *Held* invalid. *Slayter & Co.* v. *Stebbins Anderson Co.*, 117 F.(2d) 848.

(D. C. N. Y.) Rowley design patent, No. 109,647, for design for an egg beater or similar article, *Held* valid and not infringed. *Rowley* v. *Treasenberg*, 37 F. Supp. 90.

(D. C. N. Y.) Forman design patent, No. 111,248, for design for a propelled vehicle, *Held* not infringed. *Forman* v. *American Exp. Co.*, 37 F. Supp. 82.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,152,770, Bernard Offen, Drying method and apparatus, decided February 21, 1941, claims 7 and 8.

Pat. 2,226,466, J. W. Heltzel, Concrete deaerating and dehydrating machine, decided April 8, 1941, claims 2, 3, 6, and 7.

Pat. 2,169,097, R. W. Hall and H. A. Smith, Dynamo electric machine, decided February 19, 1941, claim 3.

Pat. 2,143,114, V. H. Severy, Stroboscopic tuning apparatus, decided February 21, 1941, claim 1.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING MARCH, 1941

EX PARTE DETROIT COMPENSATING AXLE CORPORATION, Serial No. 412,407.

In a decision rendered March 4, 1941 (163 Ms. Dec. 705, 48 U. S. P. Q. 592), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to the Detroit Compensating Axle Corporation, of Detroit, Mich., of the word "Differential" for vehicle wheels.

In referring to a pamphlet filed by the applicant, the Assistant Commissioner said:

"It seems to me that the word 'differential' when applied to dual wheels so mounted that one may roll slower or faster than the other, is merely descriptive of such wheels and lacks any trade-mark significance, and it appears from the pamphlet filed by applicant that this word is applied to such wheels in commerce."

THE KROGER GROCERY & BAKING COMPANY *v.* BLUE EARTH CANNING COMPANY (MINNESOTA VALLEY CANNING COMPANY, ASSIGNEE, SUBSTITUTED), Opposition No. 18,642.

In a decision rendered March 5, 1941 (163 Ms. Dec. 705, 48 U. S. P. Q. 593), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition filed by The Kroger Grocery & Baking Company, of Cincinnati, Ohio, to the application of Blue Earth Canning Company, of Blue Earth, Minn., for registration of the words "County Kist" for canned vegetables.

The opposition was based on the prior registration and use by opposer of the words "Country Club" for canned vegetables.

The Assistant Commissioner noted that the same parties had been involved in a prior opposition proceeding wherein The Kroger Grocery & Baking Company asserted the same registration of "Country Club" for canned vegetables in opposition to the grant of registration to the Blue Earth Canning Company of the words "Country Kist" for identical goods.

After referring to and quoting from the decision rendered on appeal by the Court of Customs and Patent Appeals in that prior opposition proceeding, *The Kroger Grocery & Baking Company v. The Blue Earth Canning Company*, 24 C. C. P. A. 1098, 88 F.(2d) 723, 484 O. G. 745, the Assistant Commissioner said:

"The facts of the present case differ from the facts of said previous opposition solely in the difference between the words 'Country Kist' and 'County Kist.'

"In my opinion what was said in the decision of the Court of Customs and Patent Appeals * * * with regard to the marks 'Country Club' and 'Country Kist' applies equally as well to the marks 'Country Club' and 'County Kist' involved in the present opposition proceeding, and there is not a sufficient difference between the words 'County Kist' and the words 'Country Kist' in either sound, appearance or significance to permit in this case a different ruling from the ruling made in the decision cited."

KELLOGG COMPANY *v.* SMITH BROTHERS DRUG COMPANY, Opposition No. 19,086.

In a decision rendered March 10, 1941 (163 Ms. Dec. 707, 48 U. S. P. Q. 642), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the notice of opposition filed by the Kellogg Company, of Battle Creek, Mich., to the grant to Smith Brothers Drug Company, of Baltimore, Md., of registration of the mark "Digesto-Pep" for goods named in the application for registration as "a preparation for the relief of indigestion, ulcers of the stomach, and other ailments of the stomach and intestines."

The Assistant Commissioner noted that the Examiner had based his decision on the proven prior use and registration by opposer of the word "Pep" for castor oil, and had held the goods to be of the same descriptive properties and the marks confusingly similar when applied to those goods. In agreeing with the holdings of the Examiner the Assistant Commissioner said:

"Appellant admits in its brief that castor oil is used as a medicine and cathartic; thus indicating its use relative to indigestion and certain conditions of the stomach and intestines. In my opinion the Examiner was clearly right in holding the goods involved to be goods of the same descriptive properties.

"On the question of confusing similarity between the marks appellant points out that the word 'pep' is a common word having a definite dictionary meaning and therefore there is less likelihood of confusion than if the word were purely arbitrary and fanciful in character. Even so, I agree with the Examiner that considering the marks in their entireties their concurrent use on the respective goods would be likely to deceive purchasers and to cause confusion as to the source of origin of the goods."

KELLY BROTHERS COMPANY *v.* PHILIP BLUM & COMPANY, INC., Trade-Mark Interference No. 3143.

In a decision rendered March 12, 1941 (163 Ms. Dec. 708, 48 U. S. P. Q. 701), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences and adjudged Philip Blum & Company, Inc., of Chicago, Ill., the senior party, to be entitled to registration of the notation "Camp Nelson" as a trade-mark for whisky. The Examiner had adjudged Kelly Brothers Company, of Minneapolis, Minn., the junior party, entitled to registration of that same mark.

The First Assistant Commissioner noted that this case was a sequel to that of *Kelly Liquor Co.* v. *National Brokerage Co.*, 26 C. C. P. A. 1110, 102 F.(2d) 857, which was a similar proceeding between the immediate predecessors of the parties in the case at hand, involving the same mark for the same goods. He also noted that in its decision in that prior proceeding the Court of Customs and Patent Appeals held that neither party thereto was

entitled to registration, but left the door open for the filing of new applications.

In continuing his discussion of the decided case and its application to the case at hand, the First Assistant Commissioner stated:

"In the cited case Kelly Liquor Company relied upon a purported assignment from the present junior party, which the court held it had failed to establish. The court further held that because the present junior party was the owner of the mark in question at the time National Brokerage Company filed its application, the latter concern was not entitled to registration; observing, however, that:

"'What the situation might be upon the filing of a new application by appellee [National Brokerage Company], growing out of events occurring subsequent to the date of its application here involved, we need not here inquire.'

"Such inquiry now becomes necessary.

"On February 10, 1934, the junior party applied for registration of the trade-mark 'Camp Nelson' for whisky, and was placed in interference with the same application of the senior party's assignor as the one involved in the cited case. That interference was dissolved on the ground that the junior party was not using the mark. On May 26, 1936, the junior party executed an instrument containing recitals to the effect that on September 1, 1934, it had assigned the mark to Kelly Liquor Company. The court held the alleged assignment to be inoperative for the reason that it was not accompanied by the transfer of 'an existing business.' In so ruling the court said:

"'By reason of the particular facts in this case, however, we do not hold that the claimed transfer from Kelly Brothers Company to appellant [Kelly Liquor Company] constituted an abandonment of its trade-mark by Kelly Brothers Company. That question is not before us.'

"It is my opinion that such abandonment has now been definitely established, and that it occurred on September 1, 1934. Not only is the junior party estopped to deny the recitals of the instrument referred to, but the facts recited and the resulting abandonment are corroborated by additional evidence filed by the junior party in the instant proceeding."

In regard to the effect of the abandonment by Kelly Brothers Company, the junior party, of the trade-mark in issue in the present interference, the First Assistant Commissioner then said:

"Having thus abandoned its trade-mark, the junior party is not now in a position to rely upon its early use of the mark in contesting priority with the senior party. The controlling events are those which have transpired since the date of abandonment.

"Kelly Liquor Company began using the mark in October, 1934, and continued such use until March 13, 1939, on which latter date it transferred its liquor business and assigned the mark to the junior party. In the meantime, however, the assignor of the senior party had commenced use of the mark on October 27, 1932; and so far as is disclosed by the record such use was exclusive from the date of abandonment by the junior party until the date of first use by Kelly Liquor Company. While the assignor of the senior party could acquire no rights in the mark as against the owner thereof prior to abandonment, it became 'the subject of reappropriation and the property of the first taker' immediately upon abandonment. *Mayer Fertilizer & Junk Co.* v. *Virginia Carolina Chemical Co.*, 55 App. D. C. 425, 1910 C. D. 399. It follows that in my opinion the senior party rather than the junior party is entitled to the contested registration."

WILLIAM SANDERSON & SON, LIMITED, v. POPPER-MORSON CO., INC., Opposition No. 19,123.

In a decision rendered March 14, 1941 (163 Ms. Dec. 711, 48 U. S. P. Q. 703), *First Assistant Commissioner Frazer* denied the petition of Popper-Morson Co., Inc., of New York, N. Y., the applicant in this opposition proceeding, for the setting of a new limit of appeal from the decision of the Examiner of Trade-Mark Interferences. The opposer was William Sanderson & Son, Limited, of Leith, Scotland.

The First Assistant Commissioner set out the facts of the situation as follows:

"The opposition was sustained by the Examiner of Interferences in a decision rendered October 14, 1940, and a limit of appeal was set to expire November 4, 1940. Thereafter, in denying a second petition for rehearing, the Examiner of his own motion extended the limit of appeal to November 8. On November 5, applicant filed a third petition for rehearing, which was denied by the Examiner on November 20. On November 23 applicant petitioned the Commissioner to direct the Examiner to reconsider his decision, which petition was denied on December 12. On January 30, 1941, nearly three months after its time to appeal had expired, applicant filed a petition that a new limit of appeal be set. The case was restored to the jurisdiction of the Examiner of Interferences for his consideration and disposition of that petition, which he denied on February 28. It is that action of which applicant here complains."

He then made the following rulings:

"I am clearly of the opinion that the Examiner has been guilty of no such abuse of discretion as to warrant the exercise of supervisory authority. There is no reason why applicant should not have taken an appeal within the time set, or at least have requested an extension before such time expired. Counsel for applicant seems to assume, but I think unsoundly, that applicant's inaction was excused by the pendency of its various petitions. The mere filing of a petition, for rehearing or otherwise, does not affect the limit of appeal."

ADAM HAT STORES, INC., v. PITTSBURGH HAT AND CAP COMPANY, Opposition No. 19,916.

In a decision rendered March 15, 1941 (163 Ms. Dec. 712, 48 U. S. P. Q. 704), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences denying the motion by the applicant for registration, Pittsburgh Hat and Cap Company, of Pittsburgh, Pa., to reopen this opposition proceeding

"for the receipt of additional evidence and for the correction of matters which the opposer failed to fully present to the Examiner at the hearing."

The opposer was Adam Hat Stores, Inc., of New York, N. Y.

The First Assistant Commissioner stated:

"The case went to final hearing before the Examiner of Interferences upon the notice of opposition and a motion to dismiss, applicant having expressly waived its right to file an answer. The Examiner sustained the opposition.

"By moving to dismiss and waiving its right to answer applicant, of course, admitted all facts well pleaded in the notice, and may not now be permitted to controvert such facts. If, upon the record presented, applicant deemed the Examiner's decision to be erroneous, its remedy was by appeal."

THE PENNZOIL COMPANY, A CORPORATION OF CALIFORNIA, THE PENNZOIL COMPANY, A CORPORATION OF PENNSYLVANIA v. BRADFORD OIL REFINING COMPANY, Opposition No. 19,157

In a decision rendered March 17, 1941 (163 Ms. Dec. 714, 49 U. S. P. Q. 25), *Assistant Commissioner Van Arsdale* reversed the decision of the Examiner of Trade-Mark Interferences and held that the applicant, Bradford Oil Refining Company, of Bradford, Pa., was not entitled to registration of a composite trade-mark consisting of the word "Borzol" associated with the picture of two running Russian wolfhounds and the words "A Thoroughbred Lubricant" ("Lubricant" being disclaimed) for lubricating oils. In a joint opposition to the application for registration The Pennzoil Company, of Los Angeles, Calif., and The Pennzoil Company, of Oil City, Pa., relied upon prior uses and registrations of the marks "Penuzoil" and "Zoil," separately, for lubricating oils. The Assistant Commissioner held that the mark "Borzol" has no common significance with either of the marks "Pennzoil" or "Zoil" and is not confusingly similar in appearance to either of them. However, he did find that the mark applied for is phonetically similar to the said registered marks. On this matter he had the following to say:

"The words 'Pennzoil' and 'Borzol' are each words of two syllables. Phonetically their first letters, 'P' and 'B,' are quite similar and between their last syllables there is only a very slight difference. In spite of the phonetic difference between the first syllables of these words and the presence of this difference in the words when pronounced in their entirety, it is my opinion that the phonetic similarity between the words, per se, is so close that they are confusingly similar in that respect. This is sufficient to require the words to be held to so nearly resemble each other as to be likely to cause confusion and mistake in the mind of the public and to deceive purchasers. As stated by the Court of Customs and Patent Appeals in *Traders Oil Mill Co.* v. *Lever Brothers Company*, 26 C. C. P. A. 899, 100 F.(2d) 249, 504 O. G. 291:

"'That similarity in sound alone is sufficient to constitute confusing similarity between marks is well established.'

"It is noted that in the dictionary the pronunciation of the word 'Borzoi,' meaning the Russian wolfhound, is given with accent on the first syllable. So accented its phonetic similarity with the word 'Zoil' is less than if the accent were placed on the last syllable 'zoi.' However, in my opinion, irrespective of which syllable of 'Borzol' is accented, the phonetic similarity between the syllable 'zol' of 'Borzol' and the word 'Zoil' is so close as to make the entire word 'Borzol' phonetically confusingly similar to the word 'Zoil,' so that when consideration is given to the fact that the goods to which the marks are applied include lubricating oil for motor cars, and to the price of such oil and the classes of purchasers of the oil, the marks must be held confusingly similar when applied to those particular goods, notwithstanding the absence of confusing similarity between them in appearance and significance."

THE PENNZOIL COMPANY, A CORPORATION OF CALIFORNIA, THE PENNZOIL COMPANY, A CORPORATION OF PENNSYLVANIA v. HAROLD C. HALL, Opposition No. 19,346.

In a decision rendered March 17, 1941 (163 Ms. Dec. 713, 49 U. S. P. Q. 24), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the joint notice of opposition filed by The Pennzoil Company, of Los Angeles, Calif., and The Pennzoil Company, of Oil City, Pa., to the grant of registration of the word "Penppayz" for lubricating oils and greases, applied for by Harold C. Hall, of Pleasant Ridge, Cincinnati, Ohio. Opposers relied upon the prior registrations and uses of the words "Pennzoil" and "Zoil," separately, for lubricating oils and greases.

The Assistant Commissioner sustained the opposition on the basis of the mark "Pennzoil." The applicant contended that the syllable "Penn" is geographical, so that the dominant parts of the marks "Pennzoil" and "Penppayz" are the syllables "zoil" and "payz," and that the presence of the letter "z" in both marks would not tend to cause confusion because it is present in numerous registered marks, which he cited, and would not be considered by the public as indicating goods derived from the opposers. With respect to this contention the Assistant Commissioner said:

"It is not proper to dissect the marks and to compare only the syllables 'zoil' and 'payz.' The marks should be compared in their entireties. Both marks are words of eight letters and two syllables and in each the first four letters, comprising the first syllable, are the same. The marks are applied to lubricating oil, such as for motor cars, and such oil is frequently purchased by motorists at service stations without serious care or attention to the appearance of the trade-mark under which it is sold. Considering the goods to which the marks are applied, the class of purchasers, and the appearance of the marks as a whole and their sound when spoken, it is my opinion that the marks, when applied to such goods, would be quite likely to cause confusion and to deceive purchasers."

The opposers contended that applicant's oil would be called for by the term "Pennpayz oil" and that this term, when spoken, is confusingly similar in sound not only to the word "Pennzoil" but also to the word "Zoil," but the Assistant Commissioner said:

"It seems to me, * * * that the word 'oil' when so used would not be thought of as a part of any trade-mark, but merely as the generic name of the goods referred to, and its association with the word 'Pennpayz' would not add materially to the confusing similarity between the words 'Penppayz' and 'Pennzoil.'

"The mark 'Zoil' is so different in appearance and sound from the mark 'Penppayz,' considered either alone or in association with the word 'oil,' that, in my opinion, the use of the marks for lubricating oil would not be likely to cause mistake or confusion in the mind of the public or deception of purchasers."

WALGREEN CO. v. MANHATTAN DRUG COMPANY, Cancellation No. 3586.

In a decision rendered March 19, 1941 (163 Ms. Dec. 716, 49 U. S. P. Q. 26), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the petition by Walgreen Co., of Chicago, Ill., for cancellation of registration No. 249,562, issued on November 20, 1928, to Manhattan Drug Company, of Brooklyn, N. Y., of the word "Waukeazy" for foot powder, foot-bath tablets, and corn solvents.

Petitioner urged, first, that the mark is merely descriptive of the goods named in the registration and of the character or quality of such goods, and, secondly, that the registrant had dedicated to the public the use of the mark for such goods.

In regard to the first contention the Assistant Commissioner said:

"To my mind the mark 'Waukeazy,' or its equivalent 'Walk easy,' is not merely descriptive of foot powder, foot-bath tablets or corn solvents, or of the character or quality of such goods, and is not disqualified on the ground of descriptiveness from being covered by a trade-mark registration under the act of February 20, 1905, as amended. *In re The Irving Drew Company*, 54 App. D. C. 310, 297 Fed. 889, 324 O. G. 676 (followed in *Trustees for Arch Preserver Shoe Patents* v. *James McCreery & Company*, 3 U. S. P. Q. 255, 156 Ms. D. 222, on appeal, 18 C. C. P. A. 1507, 49 F.(2d) 1068, 9 U. S. P. Q. 554). *Ex parte Peck*, 96 O. G. 425, 1901 C. D. 65."

Upon the second contention he had the following to say:

"The other point to be considered is whether the fact that sometimes retail druggists sell the preparations manufactured by registrant, labeled as having been prepared for the particular druggist and with the notation 'Em-De-Co' (said to represent the initials of the name Manhattan Drug Company) without the complete name of registrant appearing on the labels constitutes an abandonment of the mark to the public. It appears, however, that registrant is the actual manufacturer of all the preparations so sold by its customers and registrant has neither licensed nor consented to the use of the mark by anyone of goods not of registrant's manufacture. In my opinion, the Examiner ruled correctly that the use of such labels does not establish that registrant has dedicated the use of the mark to the public. *Shaver et al.* v. *Heller & Merz Co.*, 108 Fed. 821."

INTERNATIONAL PAPER COMPANY v. THE MINNESOTA AND ONTARIO PAPER COMPANY, Opposition No. 18,931.

In a decision rendered March 21, 1941 (163 Ms. Dec. 721, 49 U. S. P. Q. 27), *Assistant Commissioner*

Van Arsdale reversed the decision of the Examiner of Trade-Mark Interferences and dismissed the opposition filed by International Paper Company, of New York, N. Y., against the grant of registration to The Minnesota and Ontario Paper Company, of Minneapolis, Minn., of a composite mark described by the Assistant Commissioner as follows:

"The mark * * * is a composite one, circular in shape. Its border is defined by two spaced concentric black lines between which are the words 'Minnesota and Ontario Paper Company.' Extending horizontally from one side to the other of the inner circular line are two black lines considerably spaced apart forming a wide white band extending across the center of the inner circle of the border. Extending upwardly from the upper horizontal line, in solid black, is what appears to be the representation of the top portions of a group of seven spruce or pine trees. Extending downwardly from the lower horizontal cross line at the center is what appears to be the base of a pine or spruce tree, evidently intended to be associated with one of the tree tops shown above the wide white cross band, and on this appear the words 'Forest Products.' These words are disclaimed. Extending downwardly from the lower cross line at each side is a black area, evidently intended to be associated with the other tree tops represented above the wide white cross band."

The opposition was based on three registrations, Nos. 41,688, 50,974, and 257,198, all issued prior to the earliest date asserted by The Minnesota and Ontario Paper Company for its use of the mark for which it made application. The marks of the three registrations are all pictorial marks, each including a representation of several pine or spruce trees. The Assistant Commissioner noted that registration No. 41,688 describes its mark as follows:

"A picture in a circle of a spruce-tree standing in the foreground and in the background other spruce-trees and a hill. The picture is surrounded with a wreath, and at the bottom of the wreath is a ribbon."

that registration No. 50,974 describes its mark as follows:

"The trade-mark consists of a circular landscape, in the foreground of which appears a spruce-tree and in the background other spruce-trees and a hill, the picture being surrounded by a wreath tied at the bottom with a ribbon. Said ribbon is inscribed with the words 'International Paper Co.' and concentric circles around the wreath."

and that in the opposer's stipulated testimony the mark of registration No. 257,198 is described as follows:

"This trade-mark consists of a circular landscape in the lower foreground of which appears a tree on the side of a hill; the major portion of the background depicts a waterfall and in a small portion of the upper background appear hills and clouds. This circular landscape is surrounded by a wreath and the wreath is surrounded by the words 'International Paper Company' and the words 'International Paper Company' are surrounded by two closely spaced concentric circles. Below the foreground and intersecting said wreath appears a black line bordered panel within which appear the words 'Number' and 'Weight' in a vertically arranged position and opposite each is a single line. The certificate of registration disclaims the words 'Number' and 'Weight' apart from the trade-mark shown."

After remarking that each of these registered marks features a single spruce or pine tree in the foreground, that in none is a large portion of the middle of the tree blanked out by a wide white band as in applicant's mark, that the representations of the entire trees in these registered marks are radically different from the representations of the tree tops and tree bottoms in applicant's mark, and that none has a wide horizontal white band in the foreground as has applicant's mark, the Assistant Commissioner stated:

"It is recognized that purchasers may not have the opportunity to compare the marks side by side and must rely on their mental recollection of the pictures which comprise the marks. However in my opinion the composition of applicant's mark is so radically different from the composition of the marks of the registrations relied on by opposer that there would be no likelihood of their concurrent use by the parties on their various paper manufactures causing mistake or confusion in the mind of the public or deceiving purchasers."

FRANKFORT DISTILLERIES, INCORPORATED, v. MACLEAY DUFF & CO., (MACLEAY DUFF (DISTILLERS) LIMITED, ASSIGNEE SUBSTITUTED,) Cancellation No. 3352.

In a decision rendered March 21, 1941 (163 Ms. Dec. 720, 49 U. S. P. Q. 30), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition of Frankfort Distilleries, Incorporated, of Louisville, Ky., to cancel trade-mark registration No. 304,411, issued July 4, 1933, under the provisions of the act of March 19, 1920, to Macleay Duff & Co., and assigned to the party Macleay Duff (Distillers) Limited of Glasgow, Scotland.

Respondent's mark is the name "Duff's," and its goods are described in the registration as "liqueur Scotch whisky." Petitioner relied upon its own prior use of the notation "Duffy's Malt" as a trade-mark for malt whisky.

The First Assistant Commissioner noted that no question of priority was presented and that respondent did not seriously contend that the marks of the parties are not so nearly similar as to be likely to confuse purchasers.

Respondent's argument, he said, was that section 1(b) of the 1920 act, prior to the amendment of June 10, 1938, which, the First Assistant Commissioner said, was not material in this case, did not forbid the registration of marks

"which so nearly resemble a known trade-mark owned and used in interstate commerce or commerce with the Indian tribes by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers."

unless the marks were identical.

In answer to this argument, the First Assistant Commissioner stated:

"My views upon this point were fully expressed in *Vanity Fair Silk Mills* v. *American Manufacturing Corporation*, 467 O. G. 986, 29 U. S. P. Q. 373, and the conclusion was reached 'that if registrant's mark so nearly resembles that of petitioner "as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers" registrant is "not entitled to the exclusive use of the mark," and its registration should be canceled.' Respondent insists that my decision in that case was erroneous, and should be overruled. In deference to the able argument advanced by respondent's counsel, I have carefully reconsidered the question, but my opinion remains unaltered."

FRANKFORT DISTILLERIES, INCORPORATED, v. MACLEAY DUFF (DISTILLERS) LIMITED, Opposition No. 17,399.

In a decision rendered March 21, 1941 (163 Ms. Dec. 717, 49 U. S. P. Q. 31), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Frankfort Distilleries, Incorporated, of Louisville, Ky., to the application of Macleay Duff (Distillers) Limited, of Glasgow, Scotland, for registration of a trade-mark that is described by the First Assistant Commissioner as follows:

"Applicant's mark includes the name 'Duff's,' in addition to other wording most of which is descriptive and hence disclaimed, and a somewhat elaborate arrangement of various design features with which the name is so associated as to form an integral part of the composite whole."

However, the First Assistant Commissioner reversed the action of the Examiner of Trade-Mark Interferences in refusing registration of said mark, on the ex parte ground that the name "Duff's" is not printed in "a particular and distinctive manner" within the meaning of the statute. The First Assistant Commissioner ruled that the name "Duff's" is printed in a particular and distinctive manner.

In sustaining the opposition, the First Assistant Commissioner noted that applicant's mark had been appropriated to Scotch whisky. He also noted that opposer relied upon its own prior use of the name "Duffy's," either alone or in association with other features, as a trade-mark for malt whisky. And he further noted that applicant conceded that opposer had established priority, but insisted that opposer's mark is not "Duffy's" but "Duffy's Malt." The First Assistant Commissioner then stated:

"For the purpose of this decision the point may be conceded, because I think it is immaterial. I agree with applicant that in determining the question of confusing similarity the marks of both parties must be considered in their entireties; but manifestly the word 'malt' is purely descriptive of malt whisky, and is incapable of denoting the origin of that product. Moreover, I agree with the Examiner that in applicant's mark 'the notation "Duff's" is the most prominent spoken symbol and the one it is believed purchasers would ordinarily utilize in calling for applicant's goods.' That being true, it seems to me inevitable that the use of applicant's mark on Scotch whisky concurrently with opposer's use of its mark on malt whisky would lead to confusion."

FRANKFORT DISTILLERIES, INCORPORATED, v. MACLEAY DUFF (DISTILLERS) LIMITED, Cancellation No. 3351.

In a decision rendered March 21, 1941 (163 Ms. Dec. 718, 49 U. S. P. Q. 29), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition of Frankfort Distilleries, Incorporated, of Louisville, Ky., to cancel trade-mark registration No. 351,967, issued November 16, 1937, under the provisions of the act of February 20, 1905, to Macleay Duff (Distillers) Limited, of Glasgow, Scotland.

He noted that the mark of the registration sought to be cancelled was described by the Examiner as comprising

"various pictorial and design matter associated with certain wording, no claim being made to such wording except the notations 'Macleay Duff & Co.' and 'Duff's' included therein."

and that the mark is appropriated to Scotch whisky. He also noted that petitioner uses the name "Duffy's," in association with the word "Malt," as a trade-mark for malt whisky.

Respondent conceded that the use by petitioner of the name "Duffy's" antedated its own use of the registered mark, and the First Assistant Commissioner concluded that the concurrent use of the two marks in question, in connection with substantially identical merchandise of the character involved in this case, would be reasonably likely to confuse the public to petitioner's probable damage. The First Assistant Commissioner, therefore, ruled that the petition to cancel respondent's registration was properly sustained.

Respondent insisted that its right to use the word "Duff" is incontestable. On this question, the First Assistant Commissioner had the following to say:

"Because 'Duff' is a part of respondent's name, respondent insists that its right to use the word is incontestable. Be that as it may, it does not necessarily follow that respondent is entitled to the registration thereof, either alone or in combination. So far as the Patent Office is concerned this point was conclusively determined by the Court of Customs and Patent Appeals in the case of *J. B. Williams Co.* v. *Williams*, 18 C. C. P. A. 1133, 48 F.(2d) 398, where the court said:

"'In considering cases like this we must bear in mind the legal distinction between the common law right of a person to use his own name in his own business and the statutory right to register it as a technical trade-mark.

* * * * * * *

"'It seems to us that where one elects to make a technical trade-mark use of his own name, that name, for that purpose becomes dissevered, as it were, from its owner's personality, and when he seeks to register it under a statutory enactment, it must be tested by precisely the same rules and principles which apply to all other technical trade-marks.'"

JOSEPH ADELSON & SON v. RABINER UNDERWEAR CO., INC., Cancelation No. 3710.

In a decision rendered March 24, 1941 (163 Ms. Dec. 723, 49 U. S. P. Q. 32), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition by Joseph Adelson & Son, of New York, N. Y., for cancelation of the registration issued under the act of March 19, 1920, to Rabiner Underwear Co., Inc., of New York, N. Y., of the mark "Barbara Ray" for ladies' and misses' slips, pajamas, and nightgowns.

The Assistant Commissioner stated:

"The two marks are printed in very similar upwardly slanting script. The last word in each mark is the surname 'Ray.' Of course the name 'Barbara' is quite different from the name 'Shirley' as a given name and in sound, and the names ordinarily would denote two different individuals. However, they are both feminine names, and the similarity in the script in which they are printed creates some similarity between them in appearance.

"Considering the marks in their entireties, it is my opinion there is so much similarity between them that confusion in trade would be reasonably likely to result from the concurrent use of these marks upon goods of the kind specified."

EX PARTE LOUIS N. HARTOG, Serial No. 371,098.

In a decision rendered March 26, 1941 (163 Ms. Dec. 724, 49 U. S. P. Q. 120), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing to register the notation "Malto-Dextrine," under the provisions of the act of February 20, 1905, as a trade-mark for goods described in the application as

"corn, (and other grain), sugars and syrups in partially dehydrated, concentrated, granular, powdered, cake and liquid forms for the brewings, baking, pharmaceutical, ice cream and other industries,"

the word "Dextrine" being disclaimed "except in conjunction with the word 'Malto'." The application for registration was filed by Louis N. Hartog, of New York, N. Y.

The First Assistant Commissioner agreed with the Examiner that applicant's mark in its entirety is descriptive of the goods, and stated:

"'Malt' and 'dextrin,' * * * are words of great antiquity in the language, and were doubtless in common use when the mark was adopted. And regardless of orthography, it is inconceivable to me that the expression 'Malto-Dextrine' could fail to convey to the average mind the direct information that the product to which it is applied contains malt, or one of its derivatives, and dextrin. It may be that applicant was the first to manufacture such a product, and hence the first to have occasion to use the expression; but to borrow the language of the Court of Customs and Patent Appeals in the case of *In re Bailey Meter Co.*, 26 C. C. P. A. 1136, 102 F.(2d) 843:

'The fact that appellant may have been the first and only one to adopt and use the mark sought to be registered does not prove that the mark is not descriptive * * *.'"

MONTANIN COMPANY, INC., v. MONTANA AKTIENGESELLSCHAFT, Cancelation No. 3520.

In a decision rendered March 28, 1941 (163 Ms. Dec. 726, 49 U. S. P. Q.—), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition of Montanin Company, Inc., of New York, N. Y., to cancel trade-mark registration No. 310,469, issued February 27, 1934, to Montana Aktiengesellschaft, of Strehla, Germany, upon an application filed September 6, 1933. The registered mark is the word "Montanin," and the goods described in the registration are disinfectants.

Petitioner relied upon its own prior use of the same mark for the same goods, and also upon the ground that the mark is petitioner's corporate name. The Examiner sustained the petition upon the latter ground only, but the First Assistant Commissioner ruled that it was sustainable upon both grounds. The First Assistant Commissioner said:

"There is no evidence that respondent has ever used its registered mark in the United States, the registration purporting to be based upon a German registration issued in 1901 and renewed. In 1933, when respondent's application for the registration here involved was filed, the mark had been in use by petitioner in this country for at least twenty-two years. Had petitioner opposed that application, and presented the evidence disclosed by the present record, the opposition would necessarily have been sustained. And petitioner's failure to oppose is no bar to the relief it seeks in the instant proceeding, for a petition to cancel may be filed 'at any time.' *White House Milk Products Co.* v. *Dwinell-Wright Co.*, 27 C. C. P. A. 1194, 111 F.(2d) 490.

"Respondent argues, and the Examiner seems to have agreed, that in its use of the mark petitioner has acted as respondent's agent; but I am clearly of the opinion that no such relationship is established by the evidence. Petitioner has purchased its product from respondent, and possibly has been respondent's only American customer; but the product has been ordered, invoiced and shipped, not as 'Montanin,' but as hydrofluosilicic acid. The trade-mark has been affixed by petitioner, preliminary to resale in this country, to indicate origin in petitioner, whose customers have had no knowledge of the product's original source."

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 29, 1941

[VOL. 525. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 432,246. DRI-PED LIMITED, Bolton, England. Filed May 23, 1940.

DRI-PED

FOR LEATHER AND SKINS, UNWROUGHT AND WROUGHT.
Claims use since June 20, 1912.

Ser. No. 433,260. OREFRACTION INCORPORATED, Pittsburgh, Pa. Filed June 21, 1940.



FOR MINERALS AND ORE CONCENTRATES.
Claims use since May 14, 1940.

Ser. No. 440,833. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Feb. 20, 1941.

PROLON

FOR ARTIFICIAL FILAMENTS AND PLASTIC SHEET MATERIAL.
Claims use since Aug. 23, 1940.

Ser. No. 440,877. DANIEL GARCIA POSADAS, Buenos Aires, Argentina. Filed Feb. 21, 1941.

BARONES

FOR CASEIN.
Claims use since Mar. 29, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 440,895. UNIVERSAL TRUNK COMPANY, Chicago, Ill. Filed Feb. 21, 1941.



The outline of the label is disclaimed per se.
FOR TRUNKS, SUITCASES, AND TRAVELING BAGS.
Claims use since Jun. 6, 1939.

Ser. No. 441,465. BELBER TRUNK AND BAG COMPANY, Woodbury, N. J. Filed Mar. 12, 1941.

THE SKYSUITER

FOR TRAVELING BAG.
Claims use since January, 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 441,038. SUPERKLEEN CO., New York, N. Y. Filed Feb. 26, 1941.



No claim is made to the words "Superkleen" and "Dry Cleaning Fluid" apart from the mark.
FOR CHEMICAL COMPOUND FOR REMOVING STAINS.
Claims use since Nov. 28, 1939.

Ser. No. 441,323. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Filed Mar. 7, 1941.

MIDGET MAID

FOR STEEL WOOL AND SOAP CLEANING PADS.
Claims use since Apr. 15, 1931.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 417,378. LENTHERIC, INCORPORATED, New York, N. Y. Filed Mar. 22, 1939.

Vieille France

"France" is disclaimed apart from the mark.
FOR PERFUMES AND COSMETIC CREAMS.
Claims use since Mar. 9, 1939.

Ser. No. 435,749. THE CHICAGO DIETETIC SUPPLY HOUSE, INC., Chicago, Ill. Filed Sept. 7, 1940.

CELLU

FOR SPECIALLY PREPARED MEDICINAL PREPARATIONS HAVING NEGLIGIBLE OR NO FOOD VALUE, FOR USE IN TREATMENT OF PHYSICAL AILMENTS WHERE A FAT RESTRICTED OR SUGAR RESTRICTED DIET IS PRESCRIBED—NAMELY, SACCHARIN SWEETENED COUGH DROPS, SACCHARIN SWEETENED MINERAL OIL OF NEGLIGIBLE FOOD VALUE FOR USE AS FRENCH STYLE SALAD DRESSING; MINERAL OIL FOR INTERNAL HUMAN USE; AND SACCHARIN COMPOUND TABLETS ESPECIALLY PREPARED FOR USE IN SUGAR RESTRICTED DIETS.
Claims use since 1921.

Ser. No. 436,854. F. MITCHELL (CHEMIST) LIMITED, Bradford, England. Filed Oct. 11, 1940.

DEODOLAV

FOR DEODORISERS FOR USE ON LAVATORY BOWLS AND HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since May 26, 1938.

Ser. No. 440,695. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

Bitumol Jelly

Applicant disclaims the word "Jelly" apart from the mark.
FOR GREASELESS SKIN MEDICATION.
Claims use since Jan. 14, 1941.

Ser. No. 440,701. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

SOL-FIX

The drawing is lined for green.
FOR COSMETIC PREPARATION—NAMELY, SUN TAN OIL.
Claims use since Dec. 24, 1931.

Ser. No. 440,741. CAPILLIS, INC., Brooklyn, N. Y. Filed Feb. 18, 1941.

Mi-Hair
HAIR TODAY - MAY BE Gone TOMORROW

Applicant disclaims the term "Hair" apart from the mark.
FOR DANDRUFF REMOVER AND SCALP STIMULANT.
Claims use since Feb. 1, 1941.

Ser. No. 440,903. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I. Filed Feb. 24, 1941.

AHCOPRINT

FOR CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES.
Claims use since Jan. 30, 1941.

Ser. No. 440,957. G. D. SEARLE & CO., Chicago, Ill. Filed Feb. 24, 1941.

Lobidine

FOR MEDICINAL PREPARATION FOR THE RELIEF OF COUGHS DUE TO COLDS.
Claims use since September, 1938.

Ser. No. 440,975. ANTOINE DE PARIS, INC., New York, N. Y., and Hoboken, N. J. Filed Feb. 25, 1941.

NUANCE

FOR LIPSTICKS, LIPSTICK REFILLS, EAU DE COLOGNE, BATH OIL, BODY LOTION, BODY REFRESHENER, DUSTING POWDER, AND BUBBLE BATH.
Claims use since Jan. 26, 1933, on lipsticks and lipstick refills and since November, 1940, on eau de cologne, bath oil, body lotion, body refreshener, dusting powder, and bubble bath.

Ser. No. 441,027. MERCK & CO., INC., Rahway, N. J. Filed Feb. 26, 1941.

URECHOLINE

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF DISORDERS OF THE PERIPHERAL CIRCULATORY SYSTEM AND FOR STIMULATION OF THE PARA-SYMPATHETIC NERVOUS SYSTEM.
Claims use since Feb. 18, 1941.

Ser. No. 441,034. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Feb. 26, 1941.

BEEPLEX

FOR PHARMACEUTICAL PREPARATION OF VITAMIN B COMPLEX IN THE FORM OF AN ELIXIR, CAPSULES, TABLETS, AND SYRUP.
Claims use since July, 1940.

Ser. No. 441,048. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Feb. 27, 1941.

PEAK

FOR ANTI-FREEZE COMPOSITIONS.
Claims use since Jan. 15, 1941.

Ser. No. 441,049. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Feb. 27, 1941.

PEAK

FOR ANTI-FREEZE COMPOSITIONS.
Claims use since Jan. 15, 1941.

Ser. No. 441,123. BOURJOIS, INC., New York, N. Y. Filed Mar. 3, 1941.

Soir de Paris

No claim is made to the word "Paris" apart from the mark.
FOR PERFUME, TOILET WATER, EAU DE COLOGNE, FACE POWDER, BATH POWDER, TALCUM POWDER, BUBBLING BATH ESSENCE, BATH CRYSTALS, BATH OIL, SACHET, BRILLIANTINE, CREAM ROUGE, BEAUTY LOTION, NAIL POLISH, NAIL POLISH REMOVER, LIPSTICK AND ROUGE.
Claims use since Jan. 11, 1941.

Ser. No. 441,211. MARSHALL LOW, Elizabeth, N. J. Filed Mar. 4, 1941.

"MARFLO"

FOR SALVE INDICATED IN THE RELIEF OF MINOR RECTAL IRRITATIONS.
Claims use since Mar. 7, 1932.

Ser. No. 441,443. PASSAIC ANALYTICAL LABORATORIES, INC., Passaic, N. J. Filed Mar. 11, 1941.

P-A-L.

FOR PREPARATION FOR TREATMENT OF POISON IVY AND ATHLETE'S FOOT.
Claims use since Aug. 11, 1936.

Ser. No. 441,583. MONA MANET INC., New York, N. Y. Filed Mar. 15, 1941.

Manetta

FOR SKIN FRESHENER, ASTRINGENT, FACE AND SKIN CREAMS, FACE AND HAND LOTIONS, EAU DE COLOGNE, FACE POWDERS, ROUGES, MASKARA, EYE SHADOW, LIPSTICKS, OIL FOR THE SKIN AND COMPLEXION, FACE MASKS.
Claims use since Dec. 28, 1940.

Ser. No. 441,624. NION CORPORATION, Los Angeles, Calif. Filed Mar. 17, 1941.

HEMONUTRON

FOR IRON AND B COMPLEX COMBINATION.
Claims use since Mar. 7, 1941.

Ser. No. 441,802. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 22, 1941.

DAYAMIN

FOR VITAMIN PREPARATION.
Claims use since Mar. 14, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 441,485. THE PEERLESS CARBON BLACK COMPANY, Pittsburgh, Pa. Filed Mar. 12, 1941.

MARATHON

FOR BLACK CARBON PIGMENT USED IN THE PRINTING INK, CARBON PAPER, AND TYPEWRITER RIBBON INDUSTRIES.
Claims use since Jan. 14, 1932.

Ser. No. 441,763. COLUMBIA RIBBON & CARBON MANUFACTURING CO., INC., Glen Cove, N. Y. Filed Mar. 21, 1941.

Ready-Master

FOR CARBON PAPER.
Claims use since Feb. 1, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 436,646. GLOBE ROOFING PRODUCTS CO., INC., Chicago, Ill. Filed Oct. 4, 1940.

INSUL STONE

FOR INSULATED SIDING.
Claims use since May 1, 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 440,629. LORENTZEN HARDWARE MF'G. CORP., New York, N. Y. Filed Feb. 13, 1941.

LEVOLOR

FOR VENETIAN BLIND HARDWARE—NAMELY, TILTERS.
Claims use since Jan. 21, 1941.

Ser. No. 440,630. LORENTZEN HARDWARE MF'G. CORP., New York, N. Y. Filed Feb. 13, 1941.

VALOK

FOR VENETIAN BLIND HARDWARE—NAMELY, BRACKETS.
Claims use since January, 1940.

Ser. No. 440,716. OSCAR B. FETTERMAN, doing business as Stikit Wikit Company, Washington, D. C. Filed Feb. 17, 1941.



stikit wikit

The representation of the goods and the word "Wikit" are disclaimed apart from the mark. The drawing is lined for red and green.
FOR FENCE WICKETS.
Claims use since Feb. 13, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 440,843. UNITED STATES SMELTING REFINING AND MINING COMPANY, Boston, Mass. Filed Feb. 20, 1941.



FOR ZINC IN SLABS OR PIGS.
Claims use since Jan. 11, 1941.

Ser. No. 441,475. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Mar. 12, 1941.

"ARMORWELD"

FOR METALLIC WELDING ELECTRODES.
Claims use since Mar. 4, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 440,310. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Feb. 5, 1941.

AIRABONITA

FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.
Claims use since Oct. 24, 1940.

Ser. No. 440,311. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Feb. 5, 1941.

BELL AIRCRAFT CORPORATION
AIRABONITA

FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.
Claims use since Oct. 24, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 435,801. MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Sept. 9, 1940.

Auto-King

FOR GENERATORS, SPARK PLUGS, GENERATOR BRUSHES, DISTRIBUTORS, AND PARTS THEREOF SUCH AS IGNITION POINTS, CONDENSERS, DISTRIBUTOR ROTORS, AND DISTRIBUTOR CAPS.
Claims use since Aug. 28, 1940.

Ser. No. 436,473. JEFFERSON ELECTRIC COMPANY, Bellwood, Ill. Filed Sept. 28, 1940.

"Stream liner"

FOR ELECTRICAL TRANSFORMERS INCLUDING THOSE UTILIZED FOR THE OPERATION OF TOYS.
Claims use since Aug. 26, 1940.

Ser. No. 439,556. POLAROID CORPORATION, Cambridge, Mass. Filed Jan. 10, 1941.

POLAROID

FOR ELECTRIC LAMPS.
Claims use since Mar. 15, 1938.

Ser. No. 441,214. FRANK C. REILLY, New York, N. Y. Filed Mar. 4, 1941.

"METHUSELAH"

FOR SPARK PLUGS.
Claims use since Oct. 15, 1940.

Ser. No. 441,379. TEXCO BATTERY CHARGER COMPANY, INC., Dallas, Tex. Filed Mar. 8, 1941.



FOR ELECTRIC BATTERY CHARGERS.
Claims use since Jan. 28, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 441,265. TRANSOGRAM COMPANY, INC., New York, N. Y. Filed Mar. 5, 1941.

"CALL TO THE COLORS"

FOR TOY CRAYON SETS, TOY PAINT SETS, AND TOY MARKING CHALK.
Claims use since Feb. 19, 1941.

Ser. No. 441,601. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Mar. 17, 1941.

KONGO

FOR TABLE GAME.
Claims use since Oct. 28, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 428,934. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Feb. 26, 1940.

ALEMITE

FOR FLUID OPERATED JACKS.
Claims use since Aug. 29, 1939.

Ser. No. 432,405. POWER PACK PISTON COMPANY, Chicago, Ill. Filed May 27, 1940.

Power Pack

FOR PISTONS.
Claims use since Nov. 2, 1933.

Ser. No. 437,039. KELLY-WHEATON COMPANY, Toledo, Ohio. Filed Oct. 17, 1940.

ROLDIP

FOR DISPENSING TOOLS, SUCH AS SPOONS AND LADLES, PRIMARILY NOT OF PRECIOUS METAL, ADAPTED FOR GATHERING, SEVERING, AND SERVING PORTIONS OF SOLID AND SEMI-SOLID EDIBLE MATERIALS.
Claims use since Oct. 9, 1940.

Ser. No. 437,060. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Filed Oct. 18, 1940.

PROTEK-SORBER

FOR PLUG OR ARTICLE, CARRYING ADSORBENT OR ABSORBENT MATERIAL OR OTHER AGENTS, FOR USE IN SCREWING IN PLACE OR POSITIONING IN CYLINDER HEADS OF INTERNAL COMBUSTION ENGINES AND OTHER MOTORS AND METAL-CONTAINING COMPARTMENTS OR CHAMBERS TO PREVENT RUSTING OR CORROSION, OR OTHER DESTRUCTIVE EFFECTS OF AIR, VAPORS, OR GASES.
Claims use since Sept. 15, 1940.

Ser. No. 437,196. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Filed Oct. 23, 1940.

PROTEK-PLUG

The word "Plug" is disclaimed apart from the mark as shown on the drawing.
FOR PLUG OR ARTICLE, CARRYING ADSORBENT OR ABSORBENT MATERIAL OR OTHER AGENTS, FOR USE IN SCREWING IN PLACE OR POSITIONING IN CYLINDER HEADS OF INTERNAL COMBUSTION ENGINES AND OTHER MOTORS AND METAL-CONTAINING COMPARTMENTS OR CHAMBERS TO PREVENT RUSTING OR CORROSION, OR OTHER DESTRUCTIVE EFFECTS OF AIR, VAPORS, OR GASES.
Claims use since Sept. 15, 1940.

Ser. No. 441,229. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Mar. 5, 1941.

FLEX-TUNG

FOR HACK SAW BLADES.
Claims use since Jan. 31, 1941.

Ser. No. 441,350. CONTINENTAL BLADE CORPORATION, Brooklyn, N. Y. Filed Mar. 8, 1941.

RANGER

FOR RAZORS AND RAZOR BLADES.
Claims use since Feb. 14, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 438,254. SAMUEL ZAGAT, Lakeside, Conn. Filed Nov. 26, 1940.

CINÉFOCUS

FOR RANGE FINDERS FOR CAMERAS.
Claims use since Oct. 20, 1940.

Ser. No. 440,019. PAKO CORPORATION, Minneapolis, Minn. Filed Jan. 27, 1941.

PA-KO

FOR PHOTOGRAPHIC APPARATUS AND EQUIPMENT; PARTICULARLY PHOTOGRAPHIC PRINTING, DEVELOPING, WASHING, DRYING, TRIMMING MACHINES AND FILM CLIPS AND ROLL HANGERS.
Claims use since June 28, 1918.

Ser. No. 441,280. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Mar. 6, 1941.

EKTRA

FOR PHOTOGRAPHIC CAMERAS.
Claims use since Aug. 23, 1940.

Ser. No. 441,284. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Mar. 6, 1941.

TRIPLE S

FOR LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL, PARTICULARLY PHOTOGRAPHIC FILM.
Claims use since Aug. 25, 1938.

Ser. No. 441,298. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Mar. 7, 1941.

SUN-FOIL

FOR SUNGLASSES, SUNGLASS LENSES, AND BLANKS FOR SUCH LENSES.
Claims use since Feb. 15, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 439,061. WEIDLICH STERLING SPOON CO., Bridgeport, Conn. Filed Dec. 20, 1940.

Silver-Thread

No claim is made to the expression "Silver" apart from the mark.

FOR SILVERWARE — NAMELY, HOLLOW-WARE AND FLATWARE; GOLD AND SILVER PLATED WARE—NAMELY, CAKE BASKETS, CAKE TRAYS, RELISH DISHES, BON-BON DISHES, SALT AND PEPPER SETS, ROLL BASKETS, WATER PITCHERS, CANDLESTICKS, SANDWICH PLATES, SUGAR BOWL AND CREAMER, ASH AND PIN TRAYS, TROPHIES, AND COCKTAIL SHAKERS.
Claims use since Aug. 13, 1940.

Ser. No. 441,436. JACOBY-BENDER, INC., New York, N. Y. Filed Mar. 11, 1941.

Lois

FOR LADIES' WATCH BRACELETS.
Claims use since Dec. 14, 1940.

Ser. No. 441,554. SWANK, INC., Attleboro, Mass. Filed Mar. 14, 1941.

ARISTO-GRAM

FOR JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Mar. 10, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 418,456. TOMLINSON OF HIGH POINT, High Point, N. C. Filed Apr. 19, 1939.



The phrase "Furniture by" is disclaimed apart from the showing in the mark. The word "Williamsburg" alone is disclaimed.

FOR ARTICLES OF FURNITURE—NAMELY, BUFFETS, DINING TABLES, SEWING TABLES, CHINA CABINETS, CORNER CABINETS, MIRRORS, DINING CHAIRS, SOFAS, SHORT SOFAS, CLUB CHAIRS, WING CHAIRS, BARREL CHAIRS, OCCASIONAL CHAIRS, DESK CHAIRS, BENCHES, BEDS, DRESSERS, VANITIES, DRESSING TABLES, CHESTS, CHESTS ON CHESTS, NIGHT TABLES, BED ROOM CHAIRS, BED ROOM BENCHES, HIGHBOYS, LOWBOYS, SECRETARIES, DESKS, COFFEE TABLES, CARD TABLES, END TABLES, LAMP TABLES, PIER TABLES, TILT-TOP TABLES, DROP LEAF TABLES, CHAIRSIDE TABLES, BUTLERS' TABLES, READING STANDS, ARM CHAIRS, WRITING TABLES, CONSOLE TABLES, STOOLS, LONG STOOLS, CUPBOARDS, BOOKCASES, COUCHES, DAY BEDS, FOLDING TABLES, SIDEBOARDS, CRADLES, SOFA TABLES, STANDS, WINDOW SEATS, BUREAUS, DRESSING SCREENS AND PANELS THEREFOR.
Claims use since Apr. 6, 1939.

Ser. No. 436,276. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Filed Sept. 23, 1940.

SNACK BAR

FOR ADVERTISING DISPLAY STANDS.
Claims use since Aug. 26, 1940.

Ser. No. 441,033. OLD HICKORY FURNITURE COMPANY, Martinsville, Ind. Filed Feb. 26, 1941.

DUSTY ACORN

FOR HOUSEHOLD, OFFICE, AND OUTDOOR FURNITURE.
Claims use since June, 1940.

Ser. No. 441,836. ALBERT B. TENNEY, Boston, Mass. Filed Mar. 22, 1941.

LAWN BUTLER

FOR OUTDOOR FURNITURE.
Claims use since Mar. 8, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 440,920. DAY & NIGHT MANUFACTURING COMPANY, Monrovia, Calif. Filed Feb. 24, 1941.

HEAT WAVE

FOR GAS AND OIL BURNING WATER HEATERS.
Claims use since Sept. 10, 1934.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 441,308. CHICAGO BELTING COMPANY, Chicago, Ill. Filed Mar. 7, 1941.

Aero—Seal

Applicant disclaims the word "Seal" apart from the mark.

FOR SYNTHETIC RUBBER PACKING.
Claims use since Nov. 1, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 439,961. CENTURY RADIO CO. INC., Philadelphia, Pa. Filed Jan. 25, 1941.

CRC

FOR RECORD DISCS AND PLAY BACK AND CUTTING NEEDLES.
Claims use since July, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 433,777. LEON DOUGLAS DODSON, Kew Gardens, Long Island, N. Y. Filed July 9, 1940.



FOR BOOKS IN THE NATURE OF A DIARY AND INSERTS THEREFOR.
Claims use since June 27, 1940.

Ser. No. 441,051. FEDERATED FOODS, INC., Chicago, Ill. Filed Feb. 27, 1941.

Delfhaven

FOR BATHROOM TISSUE.
Claims use since Sept. 6, 1939.

Ser. No. 441,063. THE SORG PAPER CO., Middletown, Ohio. Filed Feb. 27, 1941.



The words "Since 1852 Tested by Time" and "Papers" are disclaimed apart from the mark.

FOR TOILET TISSUE, WRAPPING PAPER, PRINTING PAPER, TAG BOARD, BOOK PAPER, COVER PAPER, POSTAL CARD STOCK, WRITING PAPER, CREPED PAPER, WOOD PULP BOARD, BRISTOL BOARD, PROCESSING PAPERS, DRAWING PAPER, AND WAXING PAPER.
Claims use since Dec. 19, 1940.

Ser. No. 441,064. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Feb. 27, 1941.

Pastelle

FOR WRITING AND PRINTING PAPER.
Claims use since Dec. 31, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 429,745. PATTERSON PUBLISHING COMPANY, Chicago, Ill. Filed Mar. 19, 1940.

The American Restaurant Institute

The term "American" is disclaimed apart from the mark.
FOR SECTION OF A PERIODICAL.
Claims use since Jan. 1, 1940.

Ser. No. 436,570. INTERNATIONAL CORRESPONDENCE SCHOOLS, Scranton, Pa. Filed Oct. 2, 1940.



FOR PRINTED BOOKS AND OTHER PRINTED PUBLICATIONS—NAMELY, VOCATIONAL MANUALS ISSUED FROM TIME TO TIME.
Claims use since 1910.

CLASS 39

CLOTHING

Ser. No. 429,666. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 16, 1940.

CRAFTSMAN

FOR MEN'S AND BOYS' UNDERWEAR—NAMELY, SHIRTS, SHORTS, AND UNION SUITS; ALSO MEN'S AND BOYS' HOSIERY, SWEATERS, BELTS, AND SUSPENDERS; ALSO MEN'S AND BOYS' DRESS AND NEGLIGEE OUTER SHIRTS.
Claims use since Dec. 14, 1938.

Ser. No. 434,591. B. ALTMAN & Co., New York, N. Y. Filed Aug. 2, 1940.

balta knits

No claim is made to the word "knits" apart from the mark.
FOR BATHING SUITS, SWEATERS, SUITS, AND HATS FOR WOMEN.
Claims use since Aug. 15, 1934.

Ser. No. 437,042. ERWIN ERIC LINDNER, doing business as Galagaiters Manufacturing Co., New York, N. Y. Filed Oct. 17, 1940.

THE ORIGINAL *GalaGaiters*

The words "Original" and "Gaiters" are disclaimed.
FOR SPATS.
Claims use since Oct. 2, 1940.

Ser. No. 437,702. WOHL SHOE COMPANY, St. Louis, Mo. Filed Nov. 12, 1940.



The word "Last" and the representation of the shoe last are disclaimed apart from the mark.
FOR WOMEN'S, GIRLS', AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since December, 1933.

Ser. No. 438,817. STERN, MERRITT CO., INC., New York, N. Y. Filed Dec. 13, 1940.

FAIRWAY

FOR NECKTIES.
Claims use since Sept. 1, 1940.

Ser. No 439,131. VANITY FAIR SILK MILLS, Reading, Pa. Filed Dec. 23, 1940.

AFTERALLS

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR; MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND NIGHT CAPS; HOUSECOATS, BATHROBES, NEGLIGEES, AND HOSIERY.
Claims use since Dec. 11, 1940.

Ser. No. 439,177. SANDESS MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 24, 1940.

JUNIOR SAFETY LEAGUE

FOR BOYS' CLOTHING—NAMELY, COATS, SHORT PANTS, LONG PANTS, AND KNICKERS.
Claims use since Dec. 17, 1940.

Ser. No. 439,761. MYRTLE KNITTING MILLS, INCORPORATED, Unionville, Conn. Filed Jan. 17, 1941.

Planesman

FOR JACKETS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 7, 1941.

Ser. No. 439,954. JACOB WECHSLER & SONS, INC., New York, N. Y. Filed Jan. 24, 1941.

BEACON BUK

No claim is made to the word "Buk" apart from the mark.
FOR SUSPENDERS, BELTS IN THE NATURE OF GARMENT SUPPORTERS, AND GARTERS.
Claims use since Dec. 24, 1940.

Ser. No. 440,189. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 1, 1941.

CELANESE

FOR LADIES' KNITTED UNDERWEAR—NAMELY, KNICKERS AND VESTS; WOMEN'S AND CHILDREN'S OUTERWEAR—NAMELY, DRESSES, SWEATERS, JUMPERS, SUITS, GOWNS AND COATS; MEN'S HOSE; PAJAMAS, NEGLIGEE SHIRTS, UNDERSHIRTS OF KNITTED FABRIC AND TEXTILE FABRIC, COLLARS, NECKTIES, SCARFS, MUFFLERS, FABRIC GLOVES, CUT-OUT LININGS FOR MEN'S AND WOMEN'S COATS AND SUITS; MEN'S UNDERWEAR OF KNITTED FABRIC AND TEXTILE FABRIC; WOMEN'S AND CHILDREN'S HOSIERY.
Claims use on ladies' knitted underwear, namely, knickers and vests, since about Sept. 22, 1923; on women's and children's outerwear, namely, dresses, sweaters, jumpers, suits, gowns and coats, since about Apr. 3, 1924; on men's hose, pajamas, negligee shirts, undershirts of knitted fabric and textile fabric, collars, neckties, scarfs, mufflers, fabric gloves, cut-out linings for men's and women's coats and suits, men's underwear of knitted fabric and textile fabric, women's and children's hosiery, since about July, 1925.

Ser. No. 440,404. CABLE RAINCOAT COMPANY, Boston, Mass. Filed Feb. 7, 1941.

PALM GARDEN

FOR MEN'S AND BOYS', LADIES' AND GIRLS' SPORTWEAR—NAMELY, SHIRTS, COATS, JACKETS, SLACKS, SHORTS, RAINCOATS.
Claims use since December, 1940.

Ser. No. 440,442. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 8, 1941.

CELANAIRE

FOR MEN'S AND BOYS' SWIMMING TRUNKS, SPORT SHIRTS, GYM SHIRTS AND SHORTS, AND UNDERWEAR.
Claims use since Jan. 28, 1941.

Ser. No. 440,444. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 8, 1941.

SAILONAIRE

FOR MEN'S AND BOYS' SWIMMING TRUNKS, SPORT SHIRTS, GYM SHIRTS AND SHORTS, AND UNDERWEAR.
Claims use since Jan. 28, 1941.

Ser. No. 440,489. JULES CHASE, doing business as Chase Underwear Co., New York, N. Y. Filed Feb. 10, 1941.

Yankee Britches

The word "Britches" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' PANTIES.
Claims use since Feb. 1, 1940.

Ser. No. 440,565. STAR-MAID DRESSES, INC., New York, N. Y. Filed Feb. 11, 1941.



The drawing is lined for red, no claim being made to the words "Fashioned For Freedom" apart from the mark.
FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, BLOUSES, SKIRTS, SLACKS, SUITS, AND COATS.
Claims use since Feb. 6, 1941.

Ser. No. 440,685. THE GERNES GARMENT COMPANY, INC., Kansas City, Mo. Filed Feb. 15, 1941.



The notation "Jr. Dresses" is disclaimed apart from the mark.
FOR MISSES', LADIES', AND CHILDREN'S DRESSES, PLAYSUITS, SKIRTS, BLOUSES, AND SMOCKS.
Claims use since January, 1940.

Ser. No. 440,797. BUNTLY FROCKS, INC., New York, N. Y. Filed Feb. 20, 1941.

NAN BUNTLY

FOR LADIES' AND MISSES' DRESSES AND DRESS AND JACKET ENSEMBLES.
Claims use since Sept. 26, 1939.

Ser. No. 440,925. EDISON BROTHERS STORES, INC., St. Louis, Mo. Filed Feb. 24, 1941.

Casualets

FOR LADIES' SHOES OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS OF SAME.
Claims use since Dec. 2, 1940.

Ser. No. 440,985. SAMUEL J. GOLDFARB, New York, N. Y. Filed Feb. 25, 1941.

"DUZ - IT"

FOR LADIES' AND CHILDREN'S DRESSES AND COATS.
Claims use since Dec. 13, 1940.

Ser. No. 441,014. VICTOR BROWN UNDIES, INC., New York, N. Y. Filed Feb. 26, 1941.

SHINING STAR

FOR LADIES' AND MISSES' SLIPS, PETTICOATS, AND CAMISOLES, OF SILK, SATIN, RAYON, AND COMBINATIONS THEREOF.
Claims use since July 31, 1940.

Ser. No. 441,191. BEAUMART CO., New York, N. Y. Filed Mar. 4, 1941.

Sportsmate
FUTURES

FOR LADIES' AND MISSES' DRESSES, SUITS, SKIRTS, BLOUSES, JACKETS, AND DRESS AND JACKET COMBINATIONS.
Claims use since Nov. 1, 1939.

Ser. No. 441,209. LEVY, MUNDER & WIENER, INC., New York, N. Y. Filed Mar. 4, 1941.



FOR MEN'S, YOUNG MEN'S, AND BOYS' SUITS, OVERCOATS, TOPCOATS, RAINCOATS, SPORTCOATS, SPORT JACKETS, DRESS JACKETS, MACKINAWS, AND SLACKS.
Claims use since Feb. 26, 1940.

Ser. No. 441,296. ALLIED STORES CORPORATION, Wilmington, Del., and doing business as The Bon Marche, Seattle, Wash. Filed Mar. 7, 1941.

CAMBROOKE

FOR LADIES' COATS AND SUITS.
Claims use since Jan. 10, 1941.

Ser. No. 441,329. LOUIS SAFFER CO. INC., New York, N. Y. Filed Mar. 7, 1941.

Glen Park

FOR MEN'S AND BOYS' SUITS, TROUSERS, JACKETS, AND OVERCOATS.
Claims use since Dec. 5, 1940.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 433,726. ALBERT RUSSELL SANDERS, Madison, Wis. Filed July 5, 1940.

Deko-Leg

Applicant disclaims the word "Leg" except as shown.
FOR WOMEN'S LEG ORNAMENTS CONSISTING OF A MOTIF IMPOSED ON TRANSPARENT SHEET PLASTIC TO BE WORN UNDER HOSIERY AND TO GIVE THE EFFECT OF TATTOOING.
Claims use since June 6, 1940.

Ser. No. 441,021. INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed Feb. 26, 1941.

VARSITY

FOR TAPES AND BRAIDS FOR LACINGS FOR WEARING APPAREL AND OTHER LIKE USES.
Claims use since Jan. 31, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 434,057. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed Aug. 13, 1940.

MECCA

FOR PIECE GOODS ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, SYNTHETIC FIBRES.
Claims use since Dec. 1, 1933.

Ser. No. 440,533. BELDING HEMINWAY CO., New York, N. Y. Filed Feb. 11, 1941.

Radio Star Prints

The word "Prints" is disclaimed apart from the mark.
FOR PRINTED RAYON AND ACETATE CLOTH IN THE PIECE.
Claims use since Dec. 16, 1940.

Ser. No. 441,261. CHARLES E. SIGLER & CO., INC., New York, N. Y. Filed Mar. 5, 1941.

WALETEX

FOR TEXTILE FABRICS IN THE PIECE, OF WOOL, WORSTED, RAYON, COTTON, AND COMBINATIONS THEREOF.
Claims use since Feb. 1, 1940.

Ser. No. 441,295. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Mar. 6, 1941.

SNOWLAND

FOR COTTON PIECE GOODS.
Claims use since Dec. 1, 1938.

Ser. No. 441,307. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 7, 1941.

RIBANESE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Mar. 5, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 415,196. NAT P. STECKLER, New York, N. Y. Filed Jan. 24, 1939.



No claim is made to the words "Safe Gard" apart from the mark.
FOR EAR DRUM PROTECTORS, EYE CUPS, THROAT SWABS, NIPPLE PROTECTORS, ATOMIZER BOTTLES AND BULBS, MEDICAMENTAL SPRAYERS, BANDAGES, ATOMIZERS FOR DOUCHING THE NOSE, DROPPER BOTTLES, APPLICATOR BOTTLES, HOT WATER BOTTLES AND STOPPERS THEREFOR, BREAST PUMPS, THROAT BRUSHES, CATHETERS, COLON TUBES, CORN FILES, CRUTCH TIPS, DENTAL FLOSS, ATOMIZERS FOR DOUCHING THE EYES AND VAGINA, DRINKING OR MEDICINE TUBES, SYRINGES, WRIST BANDS, EYE PATCHES, FINGER COTS, RUBBER GLOVES AND BAGS FOR USE IN HOSPITAL OPERATING ROOMS, ICE CAPS, NIPPLES, MEDICINE GLASSES, FIRST AID KITS, NURSING BOTTLE CAPS, PACIFIERS, RECTAL TUBES, RUBBER SHEETING, SUSPENSORIES, TEETHERS, TONGUE DEPRESSORS, TONGUE SCRAPERS, AND VACCINATION SHIELDS.
Claims use since January, 1937.

Ser. No. 441,472. J. F. JELENKO & CO. INC., New York, N. Y. Filed Mar. 12, 1941.

Adaptol

FOR DENTAL IMPRESSION AND REBASING MATERIAL.
Claims use since Jan. 15, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 428,148. HARRIETT CALDWELL, doing business as Conga Cola Co., Forest Hills, N. Y. Filed Feb. 2, 1940.

CONGA COLA

The word "Cola" is disclaimed apart from the mark.
FOR MALTLESS, NONALCOHOLIC BEVERAGES AND SYRUPS.
Claims use since Jan. 26, 1940.

Ser. No. 441,317. GREEN & GREEN, Houston, Tex. Filed Mar. 7, 1941.

SPIKE-IT

FOR EXTRACTS, SYRUPS, AND CONCENTRATES USED IN MAKING SOFT DRINK BEVERAGES, AND NONALCOHOLIC SOFT DRINK BEVERAGES.
Claims use since Nov. 15, 1940.

Ser. No. 441,452. THE SQUIRT COMPANY, Beverly Hills, Calif., and Milwaukee, Wis. Filed Mar. 11, 1941.

FOR NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND BASES AND CONCENTRATES AND SIRUPS AND EXTRACTS FOR MAKING SAME.
Claims use since Oct. 7, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 433,968. GENOA FISHERIES, INC., Boston, Mass. Filed July 15, 1940.

Sealoin BRAND

The word "Brand" is disclaimed.
FOR FRESH AND FROZEN FISH FILLETS.
Claims use since February, 1940.

Ser. No. 436,435. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Sept. 27, 1940.

Nopco 85

The drawing is lined for green. The notation "85" is disclaimed apart from the mark.
FOR BLEND OF FISH OILS AND FISH LIVER OILS USED AS A FOOD SUPPLEMENT IN LIVESTOCK AND POULTRY FEEDS CONTAINING VITAMIN PREPARATIONS.
Claims use since Sept. 10, 1940.

Ser. No. 438,920. BALLARD & BALLARD COMPANY, INCORPORATED, doing business as New South Flour Co., Louisville, Ky. Filed Dec. 17, 1940.

SOUTH'S FAVORITE

FOR WHEAT FLOUR—NAMELY, PLAIN WHITE MILLED FLOUR.
Claims use since Dec. 9, 1940

Ser. No. 439,115. RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Dec. 23, 1940.

FLOR DE MINNESOTA

The word "Minnesota" is disclaimed except as shown.
FOR WHEAT FLOUR.
Claims use since Dec. 17, 1938.

Ser. No. 439,341. GENERAL MILLS, INC., Minneapolis, Minn. Filed Jan. 2, 1941.

OLD MANSION

Applicant is the owner of United States trade-mark registration No. 345,187.
FOR FLOUR, PARTICULARLY BLEACHED WHEAT FLOUR.
Claims use since Dec. 20, 1940.

Ser. No. 439,435. J. A. FOLGER & COMPANY, Kansas City, Mo. Filed Jan. 6, 1941.

GOLDEN GATE
BRAND
Mountain Grown

Applicant owns certificates Nos. 68,138 and 152,775. The words "Brand" and "Mountain Grown" are disclaimed apart from the mark.
FOR COFFEE.
Claims use since 1929.

Ser. No. 439,613. WILLIAM O. ATKINS, Pomeroy, Ohio. Filed Jan. 13, 1941.

ATKINS ALL STAR CHICKS

No claim is made to the word "Chicks" and the representation of the chick apart from the mark.
FOR BABY CHICKS.
Claims use since 1926.

Ser. No. 440,482. M. YONAN-MALEK, doing business as California Rice Products Company, San Francisco, Calif. Filed Feb. 8, 1941.

No claim is made to the word "Rice" or to the representation of a label apart from the mark. The drawing is lined for blue. No claim is made to the slogan "Ready to Eat as Soon as you Heat."
FOR CANNED COOKED RICE.
Claims use since Dec. 20, 1940.

Ser. No. 440,497. DELEGATION OF MEAT PACKERS OF POLAND, INC., New York, N. Y. Filed Feb. 10, 1941.

POLO

FOR CANNED COOKED HAM.
Claims use since Sept. 6, 1940.

Ser. No. 440,538. THE BORDEN COMPANY, New York, N. Y. Filed Feb. 11, 1941.

CHATEAU

FOR PASTEURIZED CHEESE FOOD MIXTURE OF PROCESS AMERICAN CHEESE, CREAM, DRY SKIM MILK, AND VEGETABLE COLORING.
Claims use since Dec. 31, 1940.

Ser. No. 440,728. A. MICHELSON, doing business as National Citrus & Produce Co., Los Angeles, Calif. Filed Feb. 17, 1941.

CINEMA

FOR FRESH CITRUS FRUIT.
Claims use since Mar. 1, 1940.

Ser. No. 441,218. THE SQUIRT COMPANY, Beverly Hills, Calif. Filed Mar. 4, 1941.

SQUIRT

FOR FRESH CITRUS FRUITS AND CANNED FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Feb. 10, 1941.

CLASS 47

WINES

Ser. No. 436,598. PEDRO DOMECQ Y CIA., Jerez de la Frontera, Spain. Filed Oct. 3, 1940. Under 10-year proviso.

Pedro Domecq

FOR WINES.
Claims use since 1730.

Ser. No. 440,240. FRUIT INDUSTRIES, LTD., San Francisco, Calif., and New York, N. Y. Filed Feb. 3, 1941.

ELTRO

FOR WINES.
Claims use since Jan. 24, 1941.

Ser. No. 440,241. FRUIT INDUSTRIES, LTD., San Francisco, Calif., and New York, N. Y. Filed Feb. 3, 1941.

SANTA TERESA

FOR WINES.
Claims use since Jan. 24, 1941.

Ser. No. 440,548. FERNANDO PARRABÈRE, Montevideo, Uruguay. Filed Feb. 11, 1941.

RICHEL

FOR VERMOUTH AND OTHER WINES.
Claims use since June 7, 1937.

Ser. No. 440,757. ROMA WINE COMPANY, INC., Fresno, Calif. Filed Feb. 18, 1941. Under 10-year proviso as to the word "Roma."

ROMA
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Applicant is owner of T. M. Reg. No. 318,900 for the word "Roma" effected under the 10-year proviso.
FOR WINES.
Claims use since Nov. 22, 1940.

Ser. No. 440,999. SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Feb. 26, 1941.

Chateau Jay

FOR WINES.
Claims use since Feb. 3, 1941.

Ser. No. 441,139. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 1, 1941.

Encanto

FOR WINES.
Claims use since Dec. 8, 1939.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 440,851. CANADA DRY GINGER ALE INCORPORATED, New York, N. Y. Filed Feb. 21, 1941.

FINE
ARTS

FOR WHISKEY.
Claims use since Apr. 16, 1940.

Ser. No. 440,981. E. M. FLEISCHMANN DISTILLING CORP., Lansdowne and Baltimore, Md. Filed Feb. 25, 1941

Southern Reserve

The word "Reserve" is disclaimed apart from the mark.
FOR WHISKEY.
Claims use since Dec. 28, 1940

Ser. No. 440,982. E. M. FLEISCHMANN DISTILLING CORP., Lansdowne and Baltimore, Md. Filed Feb. 25, 1941

Southern Special

The word "Special" is disclaimed apart from the mark.
FOR WHISKEY.
Claims use since Dec. 28, 1940

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 439,671. SHU-MILK PRODUCTS CORPORATION, Passaic, N. J. Filed Jan. 14, 1941.

AP-LI-CAP

No claim is made to the word "Cap" apart from the mark.
FOR COMBINATION BOTTLE CAP AND BRUSH SOLD AS SUCH.
Claims use since Dec. 27, 1940.

Ser. No. 439,672. SHU-MILK PRODUCTS CORPORATION, Passaic, N. J. Filed Jan. 14, 1941.

SHU-PEN

FOR COMBINATION BOTTLE CAP AND BRUSH SOLD AS SUCH.
Claims use since Dec. 31, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 29, 1941

386,913. WHISKEY. JOHN A. WATHEN DISTILLERY CO., Louisville and Lebanon, Ky.
Filed October 3, 1934. Serial No. 356,749. PUBLISHED MARCH 17, 1936. Class 49.

386,914. WHISKEY. KRAUS BROS. & CO. INC., New York, N. Y., assignor to Hiram Walker & Sons, Inc., Peoria, Ill., a corporation of Michigan.
Filed June 22, 1937. Serial No. 394,374. PUBLISHED NOVEMBER 1, 1938. Class 49.

386,915. MEN'S, WOMEN'S, AND CHILDREN'S UNDERGARMENTS, PARTICULARLY SHIRTS AND DRAWERS MADE OF WOOL AND COMBINATIONS OF WOOL AND COTTON AND WOOL AND SILK. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio.
Filed June 28, 1937. Serial No. 394,570. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,916. INKS AND INKING MATERIALS—NAMELY, CARBON BLACK, ORGANIC COLORS, INORGANIC OR MINERAL PIGMENTS AND COLORS, TONERS AND LAKES, INK VEHICLES, INCLUDING MINERAL OILS, DRYING OILS, DRIERS, RESINS, AND GUMS. COLUMBIAN CARBON COMPANY, New York, N. Y.
Filed June 29, 1938. Under act of February 20, 1905, as amended June 10, 1938. Serial No. 408,010. PUBLISHED FEBRUARY 25, 1941. Class 11.

386,917. WATCHES AND CLOCKS. THE LONGINES-WITTNAUER CO. INC., New York, N. Y.
Filed August 24, 1938. Serial No. 409,926. PUBLISHED FEBRUARY 18, 1941. Class 27.

386,918. VITAMIN AND MINERAL TONIC FOR USE DURING THE PRENATAL AND LACTATING PERIODS AND IN CASES OF VITAMIN AND MINERAL DEFICIENCIES. THE PRENATONE COMPANY, INC., New York, N. Y.
Filed August 31, 1938. Serial No. 410,145. PUBLISHED DECEMBER 20, 1938. Class 6.

386,919. GASEOUS-TUBE AND FILAMENT LAMP ELECTRIC SIGNS, ELECTRIC SIGN FLASHING AND CONTROL DEVICES, AND/OR EQUIPMENT FOR THE ABOVE. NAXON TELESIGN CORP., Chicago, Ill.
Filed April 13, 1939. Serial No. 418,205. PUBLISHED JUNE 6, 1939. Class 21.

386,920. FIRE CRACKERS. HALLECK M. THOMPSON, San Francisco, Calif.
Filed May 29, 1939. Serial No. 419,985. PUBLISHED FEBRUARY 18, 1941. Class 9.

386,921. CHEMICAL CLEANING PREPARATION SOLD IN SOLUBLE CRYSTAL FORM USED FOR CLEANING FABRICS AND TEXTILES, ETC. VERA P. WILLIAMS, doing business as The C. I. Togstad Company, Kokomo, Ind.
Filed August 16, 1939. Serial No. 422,683. PUBLISHED FEBRUARY 18, 1941. Class 4.

386,922. ROUGES AND LIPSTICKS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed August 24, 1939. Serial No. 422,938. PUBLISHED NOVEMBER 7, 1939. Class 6.

386,923. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, PADS IMPREGNATED WITH DEODORANT AND ANTIPERSPIRANT LOTION, ETC. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed October 4, 1939. Serial No. 424,190. PUBLISHED DECEMBER 26, 1939. Class 6.

386,924. FOOD PREPARATION COMPOSED OF PROCESSED WHEAT GERM FOR BAKING PURPOSES. BAKERS RESEARCH BUREAU, DIVISION OF BUD FOX ENTERPRISES, INC., New York, N. Y.
Filed October 19, 1939. Serial No. 424,678. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,925. CARBON PAPER CONTAINING HECTOGRAPHIC DYESTUFFS AND DUPLICATING INKS FOR USE IN SPIRIT DUPLICATING PROCESSES. FIRMA "ORMIG" ORGANISATIONSMITTEL G. M. B. H., Berlin and Berlin-Tempelhof, Germany.
Filed October 25, 1939. Serial No. 424,887. PUBLISHED FEBRUARY 4, 1941. Class 11.

386,926. STEEL BARRELS AND DRUMS AND PARTS THEREOF. CASTON CORPORATION, Philadelphia, Pa.
Filed October 27, 1939. Serial No. 424,954. PUBLISHED FEBRUARY 18, 1941. Class 2.

386,927. BED SEAT UNITS, CUSHIONS, SEAT COVERS, AND UPHOLSTERED PILLOWS. EMERY AND REDMOND, New York, N. Y.
Filed October 31, 1939. Serial No. 425,085. PUBLISHED JANUARY 14, 1941. Class 32.

386,928. CHERRY PEPPERS IN VINEGAR, PACKED IN GLASS JARS, RED CRUSHED PEPPER, LUPINI BEANS IN SALT BRINE, ETC. JOSEPH VACCARINO, doing business as Sole D'Italia Wholesale Grocery, Baltimore, Md.
Filed October 31, 1939. Serial No. 425,104. PUBLISHED OCTOBER 8, 1940. Class 46.

386,929. HAIR DYE, HAIR TINT, HAIR WASH, SHAMPOO, AND HAIR DYE REMOVER. CLAIROL, INC., New York, N. Y., assignor to Clairol, Incorporated, Stamford, Conn., a corporation of Connecticut.
Filed November 15, 1939. Serial No. 425,640. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,930. BREAD. JOHN A. WAVRA, doing business as John A. Wavra's Bakery, Chicago, Ill.
Filed December 4, 1939. Serial No. 426,235. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,931. WOMEN'S HATS. ISIDOR BUCHBINDER, New York, N. Y.
Filed December 29, 1939. Serial No. 426,971. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,932. ASHTRAYS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed December 30, 1939. Serial No. 427,017. PUBLISHED FEBRUARY 18, 1941. Class 8.

386,933. WHISKEY, GIN, RUM, RYE, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed January 19, 1940. Serial No. 427,613. PUBLISHED FEBRUARY 18, 1941. Class 49.

386,934. FILBERTS UNSHELLED, SHELLED, TOASTED, SALTED, AND CANDIED. NORTH PACIFIC NUT GROWERS COOPERATIVE, Dundee, Oreg.
Filed January 23, 1940. Serial No. 427,770. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,935. BASE METAL TRAYS, PITCHERS, CASSEROLES, FRUIT BOWLS, SALAD BOWLS, CANDY DISHES, AND ROASTERS. EVERLAST METAL PRODUCTS CORP., New York, N. Y.
Filed January 27, 1940. Serial No. 427,932. PUBLISHED FEBRUARY 18, 1941. Class 13.

386,936. CORROSION RESISTING CAST IRON ALLOYS, THE ALLOYS BEING EMPLOYED IN THE MANUFACTURE OF STOP VALVES, EQUIPMENT FOR USE IN MINES AND IN THE CONSTRUCTION OF PARTS OF CHEMICAL PLANTS TO COMBAT CORROSION. AUDLEY ENGINEERING COMPANY LIMITED, Newport, England.
Filed January 29, 1940. Serial No. 427,953. PUBLISHED MARCH 26, 1940. Class 14.

386,937. RADIATOR AIR VALVES. JAS. P. MARSH CORPORATION, Chicago, Ill.
Filed February 1, 1940. Serial No. 428,121. PUBLISHED FEBRUARY 18, 1941. Class 13.

386,938. RADIATOR VACUUM VALVES. JAS. P. MARSH CORPORATION, Chicago, Ill.
Filed February 1, 1940. Serial No. 428,122. PUBLISHED FEBRUARY 18, 1941. Class 13.

386,939. CORSETS, GIRDLES, AND BRASSIÈRES. DOMINION CORSET COMPANY, LIMITED, Quebec, Quebec, Canada.
Filed March 7, 1940. Serial No. 429,297. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,940. SYNTHETIC ALKALOID OF LOW TOXICITY, SPECIALLY PHENYLPROPANOLAMINE AND ITS SALTS, AND PHARMACEUTICAL COMPOSITIONS CONTAINING PHENYLPROPANOLAMINE OR ITS SALTS, ALL PREPARED FOR USE IN MEDICINE AND PHARMACY, BY PARENTERAL, ORAL OR INTERNAL ADMINISTRATION FOR ALL USES TO WHICH SAID PHENYLPROPANOLAMINE AND ITS SALTS AND COMPOSITIONS CONTAINING IT OR ITS SALTS MAY BE APPLIED, SUCH AS PRESSOR AGENTS, VASOCONSTRICTORS, BRONCHODILATOR, SYMPTOMATIC TREATMENT OF ALLERGIC MANIFESTATIONS, TREATMENT OF STOKES-ADAMS SYNDROME, TREATMENT OF HYPERTROPHY OF THE PROSTATE, CONTROLLING APPETITE OF PATIENTS ON OBESITY DIETS. SHARPE & DOHME, INCORPORATED, Philadelphia, Pa.
Filed March 23, 1940. Serial No. 429,921. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,941. ENGRAVINGS AND PRINTING PLATES USED FOR LETTERPRESS PRINTING. HOWARD STIVERS, doing business as Stivers Studio, San Francisco, Calif.
Filed March 26, 1940. Serial No. 430,000. PUBLISHED FEBRUARY 18, 1941. Class 50.

386,942. TEXTILE FIBERS. DEUTSCHER ZELLWOLLRING E. V., Berlin, Germany.
Filed April 3, 1940. Serial No. 430,311. PUBLISHED FEBRUARY 18, 1941. Class 1.

386,943. ELECTRICAL MACHINES FOR RECORDING AND ADVISING BIDS AND SALES AND EFFECTING SALES OF PRODUCTS IN WHOLESALE QUANTITIES. FARMERS' NATIONAL MARKET SYSTEM, INC., Chicago, Ill., and New York, N. Y.
Filed April 10, 1940. Serial No. 430,578. PUBLISHED JUNE 25, 1940. Class 21.

386,944. COMPOSITIONS COMPRISING ESSENTIALLY VITAMIN B_1, WITH OR WITHOUT FACTORS OF THE VITAMIN B COMPLEX AND/OR PLANT HORMONES, AND MINUTE QUANTITIES OF PLANT FOOD SUBSTANCES FOR ENHANCING THE GROWTH OF PLANTS, INCLUDING INTER ALIA, FLOWERS, SHRUBS, TREES, GRASS, PLANT CUTTINGS, ETC., AND FOR DECREASING OR PREVENTING ROOT SHOCK IN TRANSPLANTING. AGRO-CHEM LABORATORIES, INC., Toledo, Ohio.
Filed April 10, 1940. Serial No. 430,585. PUBLISHED JULY 2, 1940. Class 10.

386,945. HAIR CREAM. FRANK DAMIANO, doing business as Frank's Barber Shop, Newburgh, N. Y.
Filed April 12, 1940. Serial No. 430,680. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,946. SKIN TEXTURE CREAM, PORE AND COMPLEXION CREAM, CIRCOMPLEXION CREAM, HERBAL OIL, NAIL ENAMEL, NAIL BALM, OILY REMOVER, AND SHAMPOO AND SCALP TREATMENT. A. BRESLAUER CO., New York, N. Y.
Filed May 28, 1940. Serial No. 432,422. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,947. GENUINE CHAMOIS SKINS AND IMPORTED AND DOMESTIC LEATHER SKINS TANNED TO RESEMBLE GENUINE CHAMOIS SKINS. AMERICAN SPONGE AND CHAMOIS COMPANY, INC., New York, N. Y.
Filed May 31, 1940. Serial No. 432,502. PUBLISHED FEBRUARY 18, 1941. Class 1.

386,948. TEA. JOSEPH TETLEY & CO., INC., New York, N. Y.
Filed June 15, 1940. Serial No. 433,076. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,949. CLEANER AND STAIN REMOVER FOR TOILET BOWLS AND URINALS. MAX H. THURNAUER, doing business as The An-Our Co., Cincinnati, Ohio.
Filed June 18, 1940. Serial No. 433,133. PUBLISHED FEBRUARY 18, 1941. Class 4.

386,950. MANILA ROPE. THE UPSON-WALTON COMPANY, Cleveland, Ohio.
Filed June 27, 1940. Serial No. 433,455. PUBLISHED FEBRUARY 18, 1941. Class 7.

386,951. HAIR TONIC, HAND AND FACE CREAM, HAND AND FACE POWDER, HAND AND FACE LOTIONS, LIPSTICK, EYE PENCILS, TOILET WATER, PERFUME, AND TOOTH PASTE. LEO LEŠČINSKIS, New Haven, Conn.
Filed July 2, 1940. Serial No. 433,614. PUBLISHED NOVEMBER 26, 1940. Class 6.

386,952. SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS OF SAID MATERIALS, OR COMBINATIONS OF THE SAME AND RUBBER. NORWAY SHOE COMPANY, Norway, Maine.
Filed July 3, 1940. Serial No. 433,668. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,953. SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS OF SAID MATERIALS, OR COMBINATIONS OF THE SAME AND RUBBER. NORWAY SHOE COMPANY, Norway, Maine.
Filed July 3, 1940. Serial No. 433,669. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,954. ALE. THE CUMBERLAND BREWING CO., Cumberland, Md.
Filed July 6, 1940. Serial No. 433,734. PUBLISHED FEBRUARY 18, 1941. Class 48.

386,955. PORK MEAT LOAF. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed July 18, 1940. Serial No. 434,118. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,956. STEEL TANKS FOR BUTANE-PROPANE SYSTEMS. DALLAS TANK & WELDING CO., INC., Dallas, Tex.
Filed August 1, 1940. Serial No. 434,356. PUBLISHED FEBRUARY 18, 1941. Class 2.

386,957. BEER. STORZ BREWING COMPANY, Omaha, Nebr.
Filed August 3, 1940. Serial No. 434,677. PUBLISHED OCTOBER 22, 1940. Class 48.

386,958. LAUNDRY WASHERS, EXTRACTORS AND DRIERS, AND THE PARTS OF LAUNDRY WASHERS, EXTRACTORS, AND DRIERS. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y.
Filed August 15, 1940. Serial No. 435,037. PUBLISHED FEBRUARY 11, 1941. Class 24.

386,959. ANTISEPTIC FOR MOUTH WASH, THROAT GARGLE, NASAL SPRAY AND DOUCHE, SMOKERS' THROAT AND MINOR CUTS. ERNEST O. OSBORN, doing business as Osborn's Pharmacal Co., Knoxville, Iowa.
Filed September 3, 1940. Serial No. 435,626. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,960. MATTRESS TICKING. ROSEMARY INCORPORATED, New York, N. Y.
Filed September 4, 1940. Serial No. 435,670. PUBLISHED FEBRUARY 18, 1941. Class 42.

386,961. STAPLE FIBERS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed September 5, 1940. Serial No. 435,679. PUBLISHED FEBRUARY 18, 1941. Class 1.

386,962. WINDOW CURRENCY STRAPS ADAPTED FOR THE OPTIONAL WRAPPING OF COINS OF DOLLAR, HALF DOLLAR, QUARTER DOLLAR, DIME, NICKEL, AND PENNY DENOMINATIONS, KNOWN TO THE TRADE AS SIX-IN-ONE-WRAPPER. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed September 9, 1940. Serial No. 435,819. PUBLISHED FEBRUARY 18, 1941. Class 37.

386,963. CLEANING, SCOURING, AND POLISHING MATERIAL IN POWDER FORM. FISHER PRODUCTS CORPORATION, Washington, D. C.
Filed September 12, 1940. Serial No. 435,898. PUBLISHED FEBRUARY 18, 1941. Class 4.

386,964. BICYCLE SAFETY REFLECTORS. ANTON LOIBL G. M. B. H., Berlin, Germany.
Filed September 16, 1940. Serial No. 436,022. PUBLISHED FEBRUARY 18, 1941. Class 34.

386,965. TOMATO JUICE, BUTTER, COFFEE, AND WHEAT FLOUR. FORD MOTOR COMPANY, Dearborn, Mich.
Filed September 21, 1940. Serial No. 436,211. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,966. AROMATIC DISINFECTANTS, GERMICIDE, AND DEODORIZER. ROLAND G. BENEVILLE, doing business as Florozone Company, Brooklyn, N. Y.
Filed September 27, 1940. Serial No. 436,414. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,967. MOTOR OILS FOR LUBRICATING INTERNAL COMBUSTION ENGINES. CONTINENTAL OIL COMPANY, Ponca City, Okla.
Filed September 30, 1940. Serial No. 436,500. PUBLISHED DECEMBER 24, 1940. Class 15.

386,968. PRINTING INK, INK PADS FOR INKING TYPE AND ELECTROS; INK RIBBONS, AND INK ROLLS FOR INKING TYPE AND ELECTROS. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed October 2, 1940. Serial No. 436,576. PUBLISHED NOVEMBER 12, 1940. Class 11.

386,969. WHISKEY. A. GIURLANI & BRO., San Francisco, Calif.
Filed October 11, 1940. Serial No. 436,842. PUBLISHED FEBRUARY 18, 1941. Class 49.

386,970. SLEEPING GARMENT TO BE WORN BY AN INFANT AND ENABLING COVER REMOVING ACTIVITIES OF THE INFANT TO BE RESTRAINED. FLORENCE M. HILBY, doing business as The Barber-Hilby Manufacturing Company, San Francisco, Calif.
Filed October 11, 1940. Serial No. 436,846. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,971. PERFUME. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed October 11, 1940. Serial No. 436,861. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,972. DRESSES, SUITS, COATS, LINGERIE—NAMELY, BLOOMERS, VESTS, BANDEAUX, CHEMISES, NEGLIGEES, SLIPS, PETTICOATS, SHORTS, SHIRTS, COSTUME SLIPS, PANTIES, AND STEPINS; PAJAMAS, NIGHTGOWNS, AND DRAWERS; HOSIERY, HATS; GLOVES OF LEATHER AND FABRICS; BOOTS AND SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND/OR COMBINATIONS THEREOF, ALL FOR WOMEN AND MISSES. ARNOLD CONSTABLE & CO., INC., New York, N. Y.
Filed October 12, 1940. Serial No. 436,873. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,973. TOILET SEATS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed October 14, 1940. Serial No. 436,920. PUBLISHED FEBRUARY 18, 1941. Class 13.

386,974. RECORD SHEETS AND BINDERS THEREFOR. THE BONDICATOR COMPANY, INC., New York, N. Y.
Filed October 19, 1940. Serial No. 437,082. PUBLISHED FEBRUARY 18, 1941. Class 37.

386,975. AIRPLANES, AIRSHIPS, AND BALLOONS, AND STRUCTURAL PARTS THEREOF. GOODYEAR AIRCRAFT CORPORATION, Wilmington, Del., and Akron, Ohio.
Filed October 22, 1940. Serial No. 437,168. PUBLISHED FEBRUARY 18, 1941. Class 19.

386,976. AIRPLANES, AIRSHIPS, AND BALLOONS, AND STRUCTURAL PARTS THEREOF. GOODYEAR AIRCRAFT CORPORATION, Wilmington, Del., and Akron, Ohio.
Filed October 22, 1940. Serial No. 437,169. PUBLISHED FEBRUARY 18, 1941. Class 19.

386,977. AIRPLANES, AIRSHIPS, AND BALLOONS, AND STRUCTURAL PARTS THEREOF. GOODYEAR AIRCRAFT CORPORATION, Wilmington, Del., and Akron, Ohio.
Filed October 22, 1940. Serial No. 437,171. PUBLISHED FEBRUARY 18, 1941. Class 19.

386,978. LAMP SHADES. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed October 31, 1940. Serial No. 437,434. PUBLISHED FEBRUARY 18, 1941. Class 34.

386,979. DYES FOR USE WITH RAYON. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn.
Filed November 2, 1940. Serial No. 437,536. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,980. SHOES MADE FROM LEATHER OR FABRIC, OR COMBINATIONS OF THESE MATERIALS. THE SELBY SHOE COMPANY, Portsmouth, Ohio.
Filed November 4, 1940. Serial No. 437,582. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,981. AFTER-SHAVE LOTION, AFTER-SHAVE POWDER, EAU DE COLOGNE, AND SCALP STIMULANT. LENTHERIC, INCORPORATED, New York, N. Y.
Filed November 5, 1940. Serial No. 437,596. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,982. PORCELAIN ENAMEL FRIT. FERRO ENAMEL CORPORATION, Cleveland, Ohio.
Filed November 7, 1940. Serial No. 437,651. PUBLISHED FEBRUARY 18, 1941. Class 1.

386,983. FRESH AND COOKED OYSTERS, CLAMS, LOBSTERS, SCALLOPS, CRABS, AND WRAPPED OR PACKED LUNCHES AND DINNERS COMPOSED OF APPETIZERS, SOUPS, COOKED SEAFOODS, MEATS, AND DESSERTS, AND BEVERAGES. HARVEY'S, INC., Washington, D. C.
Filed November 7, 1940. Serial No. 437,655. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,984. INHALERS. VICK CHEMICAL COMPANY, New York, N. Y.
Filed November 8, 1940. Serial No. 437,705. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,985. INHALERS. VICK CHEMICAL COMPANY, New York, N. Y.
Filed November 8, 1940. Serial No. 437,706. PUBLISHED FEBRUARY 11, 1941. Class 6.

386,986. WHISKEY. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed November 9, 1940. Serial No. 437,750. PUBLISHED FEBRUARY 18, 1941. Class 49.

386,987. STORAGE BATTERIES. GILMORE OIL COMPANY, Los Angeles, Calif.
Filed November 12, 1940. Serial No. 437,766. PUBLISHED FEBRUARY 18, 1941. Class 21.

386,988. ALL ALPACA WOOLEN PIECE GOODS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed November 12, 1940. Serial No. 437,785. PUBLISHED FEBRUARY 18, 1941. Class 42.

386,989. METALLIC WELDING RODS AND METALLIC ALLOYS FOR WELDING, BRAZING, AND SOLDERING. EUTECTIC WELDING ALLOYS, INC., New York, N. Y.
Filed November 13, 1940. Serial No. 437,812. PUBLISHED FEBRUARY 18, 1941. Class 14.

386,990. COMBINATION VITAMIN AND MINERAL PRODUCT. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed November 13, 1940. Serial No. 437,831. PUBLISHED FEBRUARY 18, 1941. Class 6.

386,991. WRAPPING SHEET MATERIAL, NAMELY, GLASSINE, WAXED PAPER, AND COATED PAPERS. MENASHA PRODUCTS COMPANY, Menasha, Wis.
Filed November 14, 1940. Serial No. 437,873. PUBLISHED FEBRUARY 18, 1941. Class 37.

386,992. ABRASIVE AND CLEANING MATERIAL FOR PORCELAIN INSULATORS. LOCKE INSULATOR CORPORATION, Baltimore, Md.
Filed November 15, 1940. Serial No. 437,900. PUBLISHED FEBRUARY 18, 1941. Class 4.

386,993. LADIES' HATS. NANCEE HAT SHOPS, INC., St. Louis, Mo.
Filed November 18, 1940. Serial No. 438,013. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,994. CANNED FRUITS. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif.
Filed November 18, 1940. Serial No. 438,019. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,995. CANNED FRUITS. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif.
Filed November 18, 1940. Serial No. 438,020. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,996. BABIES' KNITTED GARMENTS. TAMAQUA UNDERWEAR COMPANY, INC., Tamaqua, Pa.
Filed November 19, 1940. Serial No. 438,055. PUBLISHED FEBRUARY 18, 1941. Class 39.

386,997. HORSE RADISH DRESSING. BENNETT FOODS CO., doing business as Zest Foods Co., Baltimore, Md.
Filed November 19, 1940. Serial No. 438,060. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,998. CANDY. NORRIS INCORPORATED, Atlanta, Ga.
Filed November 22, 1940. Serial No. 438,146. PUBLISHED FEBRUARY 18, 1941. Class 46.

386,999. ICE CREAM STABILIZER. SWIFT AND COMPANY, Chicago, Ill.
Filed November 22, 1940. Serial No. 438,161. PUBLISHED FEBRUARY 18, 1941. Class 46.

387,000. ORNAMENTAL BRAIDS AND CHENILLE USED PRIMARILY FOR TRIMMING OR DECORATING GARMENTS, BEDSPREADS, CURTAINS, PILLOWS, SCARFS, RUGS, MATS, AND SIMILAR PRODUCTS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed November 22, 1940. Serial No. 438,164. PUBLISHED FEBRUARY 18, 1941. Class 40.

387,001. MERCERIZED AND OTHERWISE-PROCESSED COTTON YARNS. CYNTHIA MILLS, East Boston, Mass.
Filed November 23, 1940. Serial No. 438,170. PUBLISHED FEBRUARY 18, 1941. Class 43.

387,002. PREPARATION FOR THE RELIEF OF ITCHING PAINS THROUGH THE SEDATIVE ACTIONS OF CALCIUM AND BROMIDES, ALSO TO SECURE SEDATION IN VARIOUS NEUROSES. ENDO PRODUCTS, INC., New York, N. Y.
Filed November 25, 1940. Serial No. 438,198. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,003. PREPARATION CONTAINING IRON AND ARSENIC WITH COPPER, USED IN THE TREATMENT OF HYPOCHROMIC ANEMIAS. ENDO PRODUCTS, INC., New York, N. Y.
Filed November 25, 1940. Serial No. 438,199. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,004. CLOTHESPINS. FRANK A. VODICKA, doing business as Vodicka Novelty Co., Omaha, Nebr.
Filed November 25, 1940. Serial No. 438,224. PUBLISHED FEBRUARY 25, 1941. Class 24.

387,005. BREAD. ROBERT WILD, New York, N. Y.
Filed November 25, 1940. Serial No. 438,225. PUBLISHED FEBRUARY 18, 1941. Class 46.

387,006. ANTI-HEMORRHAGIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed November 26, 1940. Serial No. 438,251. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,007. WOOLEN AND WORSTED PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed November 27, 1940. Serial No. 438,263. PUBLISHED FEBRUARY 18, 1941. Class 42.

387,008. SHOULDER STRAPS FOR WOMEN'S UNDERGARMENTS. VICTOR BROWN UNDIES, INC., New York, N. Y.
Filed November 27, 1940. Serial No. 438,264. PUBLISHED FEBRUARY 18, 1941. Class 40.

387,009. NASAL DROPS. NORSAL LABORATORIES INCORPORATED, Abbeville, La.
Filed November 27, 1940. Serial No. 438,275. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,010. LADIES' AND CHILDREN'S HANDBAGS, PURSES, AND POCKETBOOKS OF PROCESSED LEATHERS. BERNARD WHITE, New York, N. Y.
Filed November 28, 1940. Serial No. 438,322. PUBLISHED FEBRUARY 18, 1941. Class 3.

387,011. COMMON AND TOILET PINS, SAFETY PINS, HAIRPINS, BOBBED HAIRPINS, T HEAD PINS, SNAP FASTENERS, HOOKS AND EYES, NEEDLES FOR SEWING BY HAND, ALL MADE OF NON-PRECIOUS METAL. WILLIAM PRYM, INC., New York, N. Y.
Filed November 29, 1940. Serial No. 438,354. PUBLISHED FEBRUARY 18, 1941. Class 40.

387,012. THERMOPLASTIC MENDING ADHESIVE TAPE. TEXTILEATHER CORPORATION, Toledo, Ohio.
Filed November 29, 1940. Serial No. 438,363. PUBLISHED FEBRUARY 18, 1941. Class 5.

387,013. SULFUR-BEARING OXIDATION INHIBITOR FOR USE WITH LUBRICATING OILS AND GREASES. CONTINENTAL OIL COMPANY, Ponca City, Okla.
Filed November 30, 1940. Serial No. 438,378. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,014. SHOES OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF. LUMBARD WATSON CO., Auburn, Maine.
Filed November 30, 1940. Serial No. 438,395. PUBLISHED FEBRUARY 18, 1941. Class 39.

387,015. NEW DRUG DESIGNED FOR USE AS A LAXATIVE. ORBA SALES COMPANY, New Philadelphia, Ohio.
Filed November 30, 1940. Serial No. 438,402. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,016. CANNED OLIVES, FRUITS, AND VEGETABLES. SYLMAR PACKING CORP., Los Angeles, Calif.
Filed November 30, 1940. Serial No. 438,420. PUBLISHED FEBRUARY 18, 1941. Class 46.

387,017. COTTON SOFTENERS. RALPH N. JONES, doing business as Chemical Processing Company, Charlotte, N. C.
Filed December 2, 1940. Serial No. 438,440. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,018. MEDICINAL PREPARATION TO BE USED AS A LAXATIVE. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed December 2, 1940. Serial No. 438,459. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,019. CARBON BLACK FOR USE IN THE RUBBER INDUSTRY. BINNEY & SMITH CO., New York, N. Y.
Filed December 3, 1940. Serial No. 438,467. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,020. HAIR AND SCALP TONIC. PETER GORSE, South Heights, Pa.
Filed December 3, 1940. Serial No. 438,477. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,021. WETTING AGENTS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed December 5, 1940. Serial No. 438,537. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,022. WETTING, STRIPPING, AND DE-SIZING AGENTS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed December 5, 1940. Serial No. 438,538. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,023. WETTING AGENT EMPLOYED IN MERCERIZED LYES. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed December 5, 1940. Serial No. 438,539. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,024. WOVEN LADDER WEB FOR VENETIAN BLINDS. THOMAS FRENCH & SONS, LTD., New York, N. Y.
Filed December 6, 1940. Serial No. 438,568. PUBLISHED FEBRUARY 18, 1941. Class 40.

387,025. NURSES' UNIFORMS. JACOB KLEIMAN, Brooklyn, N. Y.
Filed December 6, 1940. Serial No. 438,574. PUBLISHED FEBRUARY 18, 1941. Class 39.

387,026. TEXTILE PAINT. MCCABE PAINT AND VARNISH CO., New Brunswick, N. J.
Filed December 6, 1940. Serial No. 438,575. PUBLISHED FEBRUARY 18, 1941. Class 16.

387,027. VITAMIN CAPSULES. PHYSICIANS PHARMACAL COMPANY, Oklahoma City, Okla.
Filed December 6, 1940. Serial No. 438,584. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,028. STEEL SHEETS, BARS, WIRE AND SHAPES AND THE LIKE. ALBERTO UBRELOHDE, INC., New York, N. Y.
Filed December 6, 1940. Serial No. 438,591. PUBLISHED FEBRUARY 18, 1941. Class 14.

387,029. DETOXICANT. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed December 6, 1940. Serial No. 438,594. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,030. COMPOUND OF LIVER EXTRACT, VITAMIN B AND IRON, NICOTINIC ACID, AND MANGANESE. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed December 6, 1940. Serial No. 438,597. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,031. DETOXICANT. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed December 6, 1940. Serial No. 438,598. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,032. PAPER BAGS. D. J. RENFROE CORPORATION, Thomasville, Ga.
Filed December 7, 1940. Serial No. 438,628. PUBLISHED FEBRUARY 18, 1941. Class 2.

387,033. CAPS AND HATS FOR WEAR BY MEN, WOMEN, AND CHILDREN. RUDOLPH SNELL, New York, N. Y.
Filed December 7, 1940. Serial No. 438,633. PUBLISHED FEBRUARY 18, 1941. Class 39.

387,034. ROCK AND BRANDY. POPPER-MORSON CO., INC., Jersey City, N. J.
Filed December 9, 1940. Serial No. 438,665. PUBLISHED FEBRUARY 18, 1941. Class 49.

387,035. PREPARED MEDICAL CAPSULE CONTAINING EPHEDRINE SULPHATE, POTASSIUM CHLORIDE, AND POWDERED RHUBARB, AND USED AS A PALLIATIVE RELIEF FROM PAROXISMS OF BRONCHIAL ASTHMA ATTACKS. OTTO BECK, doing business as Norm Company, Englewood, N. J.
Filed December 10, 1940. Serial No. 438,680. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,036. PAPER PLATES. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y.
Filed December 10, 1940. Serial No. 438,682. PUBLISHED FEBRUARY 18, 1941. Class 2.

387,037. WALLETS, POCKETBOOKS, AND POCKET CASES. BUXTON, INCORPORATED, Springfield, Mass.
Filed December 10, 1940. Serial No. 438,684. PUBLISHED FEBRUARY 18, 1941. Class 3.

387,038. CLEANING COMPOUND FOR CLEANING AND WASHING FLOORS, WALLS, AND WOODWORK. THE DAVIES-YOUNG SOAP CO., Dayton, Ohio.
Filed December 10, 1940. Serial No. 438,687. PUBLISHED FEBRUARY 18, 1941. Class 4.

387,039. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed December 10, 1940. Serial No. 438,698. PUBLISHED FEBRUARY 18, 1941. Class 39.

387,040. PREPARATIONS FOR CATARRH, HEADACHE, COLDS, RHEUMATISM, HAY FEVER, INDIGESTION, NEURALGIA, GRIPPE, TOOTHACHE, COLITIS, ETC. FREDERICK A. NORWOOD, doing business as Norwood Products Co., New Albany, Ind., assignor to Lee W. Funk, Jr., Columbus, Ohio.
Filed December 10, 1940. Serial No. 438,701. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,041. FUR JACKETS, COATS, CAPES, WRAPS, MUFFS, AND SCARVES. SCHWARTZ & BLUESTEIN, INC., New York, N. Y.
Filed December 10, 1940. Serial No. 438,707. PUBLISHED FEBRUARY 18, 1941. Class 39.

387,042. GAS FOR ILLUMINATING PURPOSES, GAS FOR FUEL PURPOSES, GAS FOR HEATING, PETROLEUM GAS, LIQUEFIED PETROLEUM GAS, PROPANE. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed December 10, 1940. Serial No. 438,710. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,043. SPORT DRESSES FOR MISSES AND WOMEN. CAVENDISH TRADING CORP., New York, N. Y.
Filed December 11, 1940. Serial No. 438,729. PUBLISHED FEBRUARY 18, 1941. Class 39.

387,044. PREPARATION OF ANTERIOR PITUITARY-LIKE SEX HORMONE FOR THE TREATMENT OF VASOMOTOR DISTURBANCES OF ARTIFICIAL OR NATURAL MENOPAUSE, IRREGULAR MENSTRUAL FLOW, ACNE, DEFICIENT MAMMARY SECRETION, AND STERILITY. ENDO PRODUCTS, INC., New York, N. Y.
Filed December 11, 1940. Serial No. 438,730. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,045. PREPARATION FOR THE TREATMENT OF CONSTIPATION AND DIGESTIVE DISORDERS. DR. W. B. CALDWELL, INC., Monticello, Ill.
Filed December 13, 1940. Serial No. 438,790. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,046. HAND-WOVEN NECKTIES. CHIEF WEAVERS, INC., Albuquerque, N. Mex.
Filed December 13, 1940. Serial No. 438,791. PUBLISHED FEBRUARY 18, 1941. Class 39.

387,047. PAINT DEODORANT. ANDREW E. HOLLEY, doing business as Holley Chemical Company, New York, N. Y.
Filed December 13, 1940. Serial No. 438,803. PUBLISHED FEBRUARY 18, 1941. Class 16.

387,048. WHISKEY. LARIMER'S WINE AND LIQUOR SHOP, Washington, D. C.
Filed December 14, 1940. Serial No. 438,847. PUBLISHED FEBRUARY 18, 1941. Class 49.

387,049. ARTIFICIAL SILK IN THE PIECE. SOUTHERN BRIGHTON MILLS, Shannon, Ga.
Filed December 16, 1940. Serial No. 438,908. PUBLISHED FEBRUARY 18, 1941. Class 42.

387,050. ODORIFEROUS LIQUID MATERIAL, PERFUME BASE. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,928. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,051. ODORIFEROUS MATERIAL, ODORANTS FOR TEXTILES AND RUBBER GOODS. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,929. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,052. ODORIFEROUS MATERIAL, ODORANTS FOR SPRAYS AND INSECTICIDES. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,930. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,053. SOLVENT, PERFUME INGREDIENT. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,931. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,054. ODORIFEROUS LIQUID MATERIAL, SOAP BASE PERFUMES. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,932. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,055. ODORIFEROUS LIQUID MATERIAL, PERFUMES. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,933. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,056. ODORIFEROUS LIQUID MATERIAL, PERFUMES. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,934. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,057. ODORIFEROUS LIQUID MATERIAL, GENERAL ODORANTS. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,936. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,058. ODORIFEROUS LIQUID MATERIAL, GENERAL ODORANTS. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,937. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,059. AROMATIC MATERIAL USED AS ODORANT OR DEODORANT IN FLY SPRAYS AND INSECTICIDES. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,938. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,060. ODORIFEROUS LIQUID MATERIAL, SOAP BASE PERFUMES. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,939. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,061. AROMATIC MATERIAL USED AS A DEODORANT OR ODORANT FOR ENAMPLE IN FLY SPRAYS. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,941. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,062. AROMATIC MATERIAL USED AS A DEODORANT OR ODORANT, FOR EXAMPLE IN FLY SPRAYS. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,942. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,063. ODORIFEROUS MATERIAL, ODORANTS FOR FLY SPRAYS AND INSECTICIDES. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,943. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,064. SAPONACEOUS MIXTURE, USED AS AN ANTISEPTIC INGREDIENT OF PREPARATIONS FOR TREATMENT OF SKIN DISEASES, CONTAINING PREDOMINANTLY ALIPHATIC, HYDROCARBONS WITH SOME AROMATIC AND NAPHTHENIC HYDROCARBONS. J. LEON LASCOFF & SON, New York, N. Y.
Filed December 17, 1940. Serial No. 438,950. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,065. PIECE GOODS OF RAYON AND COTTON AND COMBINATIONS THEREOF. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed December 17, 1940. Serial No. 438,962. PUBLISHED FEBRUARY 18, 1941. Class 42.

387,066. COMPOUNDS FOR REDUCING COLD TESTS AND VISCOSITY OF OILS, INHIBITORS OF THE ANTIOXIDANT TYPE FOR LUBRICATING OILS, ETC. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed December 17, 1940. Serial No. 438,965. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,067. PIECE GOODS MADE OF COTTON, WOOL, RAYON, AND MIXTURES OF SAME. GOLDING BROS. COMPANY, INC., New York, N. Y.
Filed December 18, 1940. Serial No. 438,981. PUBLISHED FEBRUARY 18, 1941. Class 42.

387,068. LIQUID PREPARATION FOR INTERNAL USE IN RELIEVING DIFFICULT BREATHING AND FOR THE HEART AND LUNGS. CARL SCHMIDT, Moundsville, W. Va.
Filed December 18, 1940. Serial No. 438,997. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,069. CLEANER TO CLEAN AND POLISH ALL KINDS OF GLASSWARE, EYEGLASSES, AND WINDSHIELDS. THOMAS D. SULLIVAN, Washington, D. C.
Filed December 19, 1940. Serial No. 439,032. PUBLISHED FEBRUARY 18, 1941. Class 4.

387,070. WHISKEY. OLD PIONEER DISTILLING CO., Kansas City, Mo.
Filed December 20, 1940. Serial No. 439,053. PUBLISHED FEBRUARY 25, 1941. Class 49.

387,071. TOOL STEEL. THE CARPENTER STEEL COMPANY, Reading, Pa.
Filed December 23, 1940. Serial No. 439,094. PUBLISHED FEBRUARY 18, 1941. Class 14.

387,072. WHISKEY. LONDON & COMPANY, INC., Elizabeth, N. J.
Filed December 26, 1940. Serial No. 439,201. PUBLISHED FEBRUARY 18, 1941. Class 49.

387,073. NONALCOHOLIC BEVERAGES, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. SNOW CREST BEVERAGES, INC., Salem, Mass.
Filed December 28, 1940. Serial No. 439,256. PUBLISHED FEBRUARY 18, 1941. Class 45.

387,074. LIQUID SHAMPOO. THE DAVIES-YOUNG SOAP CO., Dayton, Ohio.
Filed December 30, 1940. Serial No. 439,269. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,075. WRITING FLUIDS. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa.
Filed December 30, 1940. Serial No. 439,296. PUBLISHED FEBRUARY 25, 1941. Class 11.

387,076. PERFUMES AND INCENSE. WINDSOR PRODUCTS CO., Chicago, Ill.
Filed December 30, 1940. Serial No. 439,302. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,077. VETERINARY PREPARATION FOR TREATMENT OF MANGE. ABBOTT LABORATORIES, North Chicago, Ill.
Filed January 2, 1941. Serial No. 439,326. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,078. INSECTICIDAL OIL SPRAY FOR USE ON VEGETATION. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed January 2, 1941. Serial No. 439,339. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,079. INSECTICIDE MOTH SPRAY. KEYSTONE CHEMICAL COMPANY, INC., Cleveland, Ohio.
Filed January 2, 1941. Serial No. 439,346. PUBLISHED FEBRUARY 11, 1941. Class 6.

387,080. RUBBER VAGINAL DIAPHRAGMS. ORTHO PRODUCTS, INC., Linden, N. J.
Filed January 2, 1941. Serial No. 439,358. PUBLISHED FEBRUARY 18, 1941. Class 44.

387,081. DOOR LOCKS. ROLAND E. OTT., Portland, Oreg.
Filed October 16, 1940. Serial No. 439,380. PUBLISHED FEBRUARY 11, 1941. Class 25.

387,082. ELECTROMAGNETIC-FIELD GENERATORS FOR THERAPEUTIC PURPOSES. COLLEGE OF ELECTRONIC MEDICINE, San Francisco, Calif.
Filed January 3, 1941. Serial No. 439,385. PUBLISHED FEBRUARY 18, 1941. Class 44.

387,083. ABSORBENT PADS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed January 6, 1941. Serial No. 439,445. PUBLISHED FEBRUARY 18, 1941. Class 44.

387,084. PARASITICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed January 7, 1941. Serial No. 439,458. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,085. HAIR WAVING PADS AND CLAMPS. SALES AFFILIATES, INC., New York, N. Y.
Filed January 8, 1941. Serial No. 439,495. PUBLISHED FEBRUARY 18, 1941. Class 44.

387,086. NASAL FILTERS, CONSISTING OF AN OUTER SHELL AND AN INNER FILTER OF MEDICATED FABRIC, PREFERABLY WOOL, INTENDED TO PREVENT THE ENTRANCE INTO THE NOSTRILS OF POLLENS AND OTHER IRRITATING AND INJURIOUS SUBSTANCES. SANEHRIN LABORATORIES, INC., Columbus, Ohio.
Filed January 9, 1941. Serial No. 439,525. PUBLISHED FEBRUARY 18, 1941. Class 44.

387,087. LIQUID NAIL POLISHES. PEGGY SAGE, INC., Stamford, Conn.
Filed January 10, 1941. Serial No. 439,561. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,088. LIQUID NAIL POLISHES. PEGGY SAGE, INC., Stamford, Conn.
Filed January 10, 1941. Serial No. 439,562. PUBLISHED FEBRUARY 18, 1941. Class 6.

387,089. LIQUID NAIL POLISHES. PEGGY SAGE, INC., Stamford, Conn.
Filed January 10, 1941. Serial No. 439,563. PUBLISHED FEBRUARY 18, 1941. Class 6.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION
[ACT OF MARCH 19, 1920, SEC. 1 (b)]

387,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CESAR GANEM, Rio de Janeiro, Brazil. Filed Sept. 3, 1937. Serial No. 397,096.

Loção Belem

FOR LOTION FOR THE HAIR.
Claims use since Mar. 16, 1937.

387,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOTTIE G. VICKERS, doing business as Dub's Sandwich Co., Durham, N. C. Filed Jan. 5, 1938. Serial No. 401,589.

Dub's

FOR CRACKERS, COOKIES, SALTED PEANUTS, CHOCOLATE COATED PEANUTS, RAISINS, AND CASHEW NUTS, PACKAGED IN SMALL BAGS OR WRAPPERS.
Claims use since April, 1935.

387,092. (CLASS 39. CLOTHING.) MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Oct. 26, 1938. Serial No. 412,067.

THERE IS A MAIDEN FORM FOR EVERY TYPE OF FIGURE

FOR BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, PANTIES, PANTIE-GIRDLES, GIRDLES, AND GARTER BELTS.
Claims use since Oct. 25, 1938.

387,093. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WALLACE E. SMITH, doing business as Puget Sound Tackle Mfg. Co., Seattle, Wash. Filed July 4, 1939. Serial No. 421,281.

DERBY

FOR FISHING PLUGS.
Claims use since May 31, 1939.

387,094. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BARNES DRILL CO., Rockford, Ill. Filed Nov. 10, 1939. Serial No. 425,508.

BARNESDRIL

FOR MACHINE TOOLS—NAMELY, DRILLING MACHINES AND HONING MACHINES.
Claims use since Oct. 4, 1939.

387,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DALE H. ROBINSON, Pampa, Tex. Filed Nov. 15, 1939. Serial No. 425,651.

"RE-TAINER-FRESH"

FOR SOLUTION FOR THE PRESERVATION OF MEATS.
Claims use since Nov. 11, 1939.

387,096. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LINCOLN FABRICS, INC., New York, N. Y. Filed Jan. 12, 1940. Serial No. 427,378.

Sheer Beauty

FOR PIECE GOODS OF RAYON, SILK, SILK AND RAYON, AND COTTON.
Claims use since December, 1939.

387,097. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AUTOMATIC ELECTRICAL DEVICES COMPANY, Cincinnati, Ohio. Filed Jan. 13, 1940. Serial No. 427,419.

HOMOZONE
ELECTRICAL
DE-ODORIZER

FOR ELECTRICAL DISCHARGE DEVICES FOR THE GENERATION OF OZONE.
Claims use since May 1, 1938.

387,098. (CLASS 39. CLOTHING.) GLASS & CO. DRESS CORP., New York, N. Y. Filed Feb. 21, 1940. Serial No. 428,749.

American Classics

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, WAISTS, AND BLOUSES.
Claims use since January, 1939.

387,099. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) R. G. LE TOURNEAU, INC., Stockton, Calif., and Peoria, Ill. Filed Feb. 26, 1940. Serial No. 428,920.

LETOURNEAU

FOR EARTH WORKING AND CONSTRUCTION EQUIPMENT, PARTICULARLY ANGLEDOZERS, BULLDOZERS, TRACTOR CRANES, JIB CRANES, POWER CONTROL UNITS, PUSHDOZERS, SUBSURFACE SCARIFIERS, CARRYING SCRAPERS, DRAG SCRAPERS, SHEEP'S FOOT ROLLERS, TREE UPROOTERS, PORTABLE WELDERS, COMBINED TRACTOR AND IMPLEMENT UNITS, AND INCLUDING PARTS AND ACCESSORIES THEREFOR.
Claims use since Jan. 1, 1929.

387,100. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE W. WATT WOOLEN CO., Norristown, Pa. Filed Mar. 11, 1940. Serial No. 429,462.

Norris Tweed

FOR WOOLEN PIECE GOODS.
Claims use since Feb. 1, 1940.

387,101. (CLASS 11. INKS AND INKING MATERIALS.) BENJAMIN ROSENBLUM, doing business as Fleetwood Carbon & Ribbon Co., New York, N. Y. Filed Mar. 12, 1940. Serial No. 429,490.

Fleetwood

FOR INKED MATERIALS, TO WIT, TYPEWRITER RIBBON AND CARBON PAPER.
Claims use since Feb. 26, 1940.

387,102. (CLASS 31. FILTERS AND REFRIGERATORS.) THE COOLERATOR COMPANY, Duluth, Minn. Filed Mar. 13, 1940. Serial No. 429,513.

The ICE Conditioned REFRIGERATOR

FOR REFRIGERATORS.
Claims use since Feb. 23, 1940.

387,103. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTHA M. URBAN, Ewing, Nebr. Filed Mar. 25, 1940. Serial No. 429,963.

LAKOTA

B. M. URBAN

FOR MIGRAINE HEADACHE PREPARATION.
Claims use since Mar. 4, 1940.

387,104. (CLASS 11. INKS AND INKING MATERIALS.) WILLIAM J. ODING, doing business as Met-L-Ink Products Co., Lansing, Mich. Filed Apr. 13, 1940. Serial No. 430,743.

MET-L-INK

FOR WRITING INK FOR ZINC AND GALVANIZED METAL.
Claims use since Nov. 15, 1939.

387,105. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NORMAN S. NOLL, doing business as Paper-Lok Company, Los Angeles, Calif. Filed May 4, 1940. Serial No. 431,562.

Paper-Lok

FOR PAPER FASTENING DEVICES.
Claims use since Nov. 1, 1939.

387,106. (CLASS 37. PAPER AND STATIONERY.) MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed July 19, 1940. Serial No. 434,155.

WET PAK

FOR WRAPPING PAPER.
Claims use since Feb. 29, 1940.

387,107. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LAWRENCE MANDERS, doing business as Vel-Vo Products Company, San Francisco, Calif. Filed Sept. 10, 1940. Serial No. 435,856.

BAR-GLAZ

FOR FURNITURE POLISH.
Claims use since Feb. 1, 1940.

387,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEMPLE STEPHENS CO., Moberly, Mo. Filed Oct. 14, 1940. Serial No. 436,945.

TEMPLE STEPHENS

FOR WHEAT FLOUR, POPPED RICE, POPPED WHEAT, GELATIN, TABLE SYRUP, EVAPORATED MILK, MACARONI, SPAGHETTI, FOOD FLAVORINGS AND FOOD FLAVORING EXTRACTS FOR USE IN THE BAKING OF PASTRIES SUCH AS CAKES, PIES, CANDIES, AND ICE CREAM, BLACK PEPPER, GINGER, ALLSPICE, SAGE, PUMPKIN PIE SPICE, RED PEPPER, TUMERIC, MUSTARD, CINNAMON, CHILI POWDER, CLOVES, NUTMEG, MACE, PAPRIKA, CELERY SALT, HORSERADISH MUSTARD, PREPARED MUSTARD, TEA, TABLE SALT, COCOA, COFFEE, BAKING SODA, CORNSTARCH, VINEGAR, BRAN FLAKES AND CORN FLAKES.
Claims use since Apr. 1, 1930.

387,109. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) GEORGE A. RENOUARD, doing business as A. Renouard & Son, New York, N. Y. Filed Nov. 2, 1940. Serial No. 437,529.

RENOUARD CRISIN

FOR LIQUID DISINFECTANT FOR USE ON DEAD BODIES ONLY, FOR THE DISINFECTION AND DEODORIZATION OF CANCER, GANGRENOUS SORES, OFFENSIVE ULCERS, ERYSIPELAS, DROWNED BODIES, FLOATERS, AND MUTILATED BODIES, ALSO INTERNAL DISCHARGES AND VESSELS CONTAINING SAME, ALSO SKIN SLIP AND DROPSICAL TISSUES.
Claims use since January, 1910.

387,110. (CLASS 2. RECEPTACLES.) SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio. Filed Nov. 13, 1940. Serial No. 437,845.

TIME

FOR PAPER BAGS.
Claims use since January, 1935.

387,111. (CLASS 39. CLOTHING.) GORDON V. LYONS, INC., New York, N. Y. Filed Nov. 18, 1940. Serial No. 438,012.

Original Bokara

FOR LADIES' AND MISSES' COATS, SUITS, AND COAT AND SUIT COMBINATIONS.
Claims use since Mar. 15, 1938.

387,112. (CLASS 39. CLOTHING.) THE FASHION FUR COAT CO., Baltimore, Md. Filed Dec. 2, 1940. Serial No. 438,434.

Stay Strong

FOR LADIES' FUR COATS, JACKETS, AND MUFFS.
Claims use since Mar. 1, 1940.

387,113. (CLASS 6. CHEMICALS, MEDICINES AND PHARMAEUTICAL PREPARATIONS.) ORRO KIDNEY COMPOUND, New York, N. Y. Filed Dec. 6, 1940. Serial No. 438,578.

ORRO

FOR MEDICINAL PREPARATION FOR USE IN THE TREATING OF BLADDER AND KIDNEY DISORDERS.
Claims use since Feb. 15, 1938.

387,114. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GOODMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 12, 1940. Serial No. 438,765.

CONWAY

FOR ELECTRIC POWER SHOVELS AND MUCKING MACHINES.
Claims use since Aug. 13, 1925.

387,115. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GENERAL PAINT & VARNISH CO., Chicago, Ill. Filed Dec. 13, 1940. Serial No. 438,801.

EVER-BEST

FOR READY-MIXED PAINTS, VARNISHES AND PAINT ENAMELS.

387,116. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) JACOB BENDIX, New York, N. Y. Filed Jan. 7, 1941. Serial No. 439,456.

MOUSSELLINE DeSOIE' FINISH

FOR COMPOUND USED IN THE FINISHING OF TEXTILE FABRICS OF ALL TYPES AND ALL CLASSES OF FIBRES, AND ALSO FOR USE AS A TYPE OF FINISH FOR AND PROCESSING OF SAID TEXTILE FABRICS BEFORE DYEING AND OR FINISHING.
Claims use since June, 1938.

387,117. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) GOUBAUD OF PARIS, INC. Wheeling, W. Va. Filed Jan. 14, 1941. Serial No. 439,652.

Goubaud

FOR COSMETICS, INCLUDING FACE POWDERS, LIPSTICK, LIP ROUGE, ROUGE, VANISHING CREAM, CLEANSING CREAM, CLEANSING FLUID, PERFUMES, COLOGNE, TOILET WATER.
Claims use since Jan. 2, 1939.

387,118. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WATCHUNG LABORATORIES, INC., Bound Brook, N. J. Filed Jan. 23, 1941. Serial No. 439,914.

Time TABLETS

FOR PREPARATION FOR THE TREATMENT OF MENSTRUAL IRREGULARITIES.
Claims use since Mar. 1, 1939.

387,119. (CLASS 5. ADHESIVES.) SEAL, INCORPORATED, Shelton, Conn. Filed Feb. 8, 1941. Serial No. 440,473.

FOTO-FLAT



FOR HEAT SEALING MOUNTING TISSUE FOR PHOTOGRAPHS.
Claims use since Apr. 19, 1938.

387,120. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES MAIER, Valley City, N. Dak. Filed Feb. 12, 1941. Serial No. 440,604.

MAIER'S CHEMICAL SPRAY

FOR INSECTICIDES.
Claims use since Mar. 5, 1926.

387,121. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHATHAM MANUFACTURING COMPANY, Elkin, N. C. Filed Mar. 5, 1941. Serial No. 441,231.

Pinehurst

FOR BLANKETS MADE OF WOOL AND COTTON, OR COMBINATIONS OF WOOL AND COTTON.
Claims use since Jan. 15, 1929.

TRADE-MARK REGISTRATIONS RENEWED

19,660. **OLEITE OF IRON.** A PREPARATION FOR LEATHER-DRESSING. Registered June 2, 1891. MICHAEL T. MAGUIRE, Philadelphia, Pa. Re-renewed June 2, 1941, to Richard J. Beyer, doing business as American Oleite Manufacturing Company, St. Louis, Mo., assignee by mesne assignments.

132,907. **ELECTRICITY'S SAFETY VALVE.** ELECTRIC FUSES AND CUT-OUTS. Registered July 6, 1920. HUSSMANN MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 6, 1940.

140,410. **LA FAVOR.** PEARLS. Registered March 15, 1921. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa., a corporation of New York. Renewed March 15, 1941.

140,546. **CORTO.** STEAM AND HOT-WATER RADIATORS. Registered March 22, 1921. AMERICAN RADIATOR COMPANY, East Orange, N. J., and Chicago, Ill. Renewed March 22, 1941, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware, assignee.

140,619. **CIRCLET.** CORSETS, BRASSIÈRES, AND WAISTS. Registered March 22, 1921. KOPS BROS. Renewed March 22, 1941, to Kops Brothers, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

141,186. **NAZARETH.** WAISTS AND VESTS. Registered April 12, 1921. NAZARETH WAIST COMPANY, Nazareth, Pa., a corporation of Pennsylvania. Renewed April 12, 1941.

141,315. **DEWKIST.** CANNED FRUITS, CANNED BERRIES, AND CANNED VEGETABLES. Registered April 19, 1921. H. A. BAKER, INC. Renewed April 19, 1941, to Washington Packers, Inc., Sumner, Wash., a corporation of Washington, assignee by mesne assignments.

141,458. **SPARKLING BEAUTIES.** HARD-CANDY MIXTURE. Registered April 19, 1921. WILBUR GLENN VOLIVA. Renewed April 19, 1941, to Zion Industries, Inc., Zion, Ill., a corporation of Delaware, assignee.

141,514. **JERLASTA.** SILK OR PART SILK WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE. Registered April 26, 1921. CHENEY BROTHERS, South Manchester, Conn. Renewed April 26, 1941, to Cheney Brothers, Manchester, Conn., a corporation of Connecticut.

141,986. **K & S.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered May 3, 1921. THE KAY & ESS COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed May 3, 1941.

141,987. **KAY & ESS.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered May 3, 1921. THE KAY & ESS COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed May 3, 1941.

141,988. **K & S.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered May 3, 1921. THE KAY & ESS COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed May 3, 1941.

142,097. **P C CO.** CONFECTIONERY—NAMELY, CHOCOLATES AND BONBONS AND HARD CANDIES. Registered May 3, 1921. PURITY CONFECTIONERY COMPANY, Boston, Mass. Renewed May 3, 1941, to Purity Confectionery Company, Somerville, Mass., a corporation of Massachusetts.

142,520. **FEDERAL.** SPHYGMOMANOMETERS. Registered May 17, 1921. FEDERAL PRODUCTS CORPORATION, Providence, R. I., a corporation of Rhode Island. Renewed May 17, 1941.

143,097. **MISTO.** A SALVE. Registered May 24, 1921. MISTO MANUFACTURING CO., Kokomo, Ind. Renewed May 24, 1941, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

143,137. **COAL BLUFF.** SHOVELS AND SCOOPS. Registered May 24, 1921. PITTSBURGH SHOVEL COMPANY, Leechburg and Pittsburgh, Pa. Renewed May 24, 1941, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware, assignee.

143,301. **CHATTANOOGA.** CERTAIN NAMED FURNACES, EVAPORATORS, AND PARTS THEREOF. Registered May 31, 1921. CHATTANOOGA PLOW COMPANY, Chattanooga, Tenn., and Chicago, Ill. Renewed May 31, 1941, to International Harvester Company, Chicago, Ill., a corporation of New Jersey, assignee.

143,638. **SMART LYNE.** CERTAIN ARTICLES OF CLOTHING. Registered June 7, 1921. JAMES A. HEARN & SON INC. Renewed June 7, 1941, to Hearn Department Stores, Inc., New York, N. Y., a corporation of New York, assignee.

144,010. **MORLEY.** BUTTONS. Registered June 21, 1921. MORLEY BUTTON MANUFACTURING COMPANY, Boston, Mass. Renewed June 21, 1941, to The Morley Company, Portland, Maine, and Portsmouth, N. H., a corporation of Maine, by change of name.

144,581. **SWEET SCENT.** BREATH-PERFUME LOZENGES. Registered July 12, 1921. EDWARD J. HOADLEY, Hartford, Conn. Renewed July 12, 1941, to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey, assignee.

144,604. **MARCHAND'S.** GOLDEN HAIR-WASH. Registered July 12, 1921. CHARLES MARCHAND COMPANY, New York, N. Y., a corporation of Delaware. Renewed July 12, 1941.

144,746. **DIXIE.** ICE CREAM. Registered July 19, 1921. DIXIE ICE CREAM COMPANY. Renewed July 19, 1941, to Dixie Ice Cream Co., Lexington, Ky., a corporation of Kentucky, successor.

144,865. **OUR SALESMAN.** PUBLICATIONS—NAMELY, CATALOGUES ISSUED MONTHLY AND ANNUALLY. Registered July 19, 1921. MOORE & EVANS, Chicago, Ill., a corporation of Illinois. Renewed July 19, 1941.

144,870. **NAPIER.** CERTAIN NAMED JEWELRY. Registered July 19, 1921. THE NAPIER-BLISS COMPANY. Renewed July 19, 1941, to The Napier Company, Meriden, Conn., a corporation of Connecticut, by change of name.

145,162. **M S CO.** JEWELERS' FINDINGS—NAMELY, CHAINS, SWIVELS, SPRING-RINGS, BARS, BEADS, AND EAR-LOOPS. Registered July 26, 1921. M. S. Co. Renewed July 26, 1941, to M. S. Company, Attleboro, Mass., a corporation of Massachusetts, successor.

145,424. **REPRESENTATION OF A SHIELD, ETC.** RING-TRAVELERS. Registered August 2, 1921. NATIONAL RING TRAVELER CO., Providence, R. I., a corporation of Rhode Island. Renewed August 2, 1941.

145,564. **G L.** CUTTERS FOR PHONOGRAPH-NEEDLES AND THE LIKE. Registered August 9, 1921. GUSTAVE LIDSEEN. Renewed August 9, 1941, to Gustave Lidseen, Inc., Chicago, Ill., a corporation of Illinois, assignee.

145,591. **VITA FLEURS.** PERFUME, TOILET WATER, FACE-POWDER, TALCUM POWDER, FACE-CREAMS, SACHET-POWDER, ROUGE. Registered August 16, 1921. MARK W. ALLEN & Co., Detroit, Mich., a corporation of Michigan. Renewed August 16, 1941.

145,700. **MAD.** NAIL-POLISH. Registered August 16, 1921. FRANK C. IRISH, New York, N. Y. Renewed August 16, 1941, to Roy B. Greene, Suffern, N. Y., assignee by mesne assignments.

145,809. **BOATSWAIN.** CANNED SARDINES. Registered August 16, 1921. SEACOAST CANNING CO., Eastport, Maine, and East San Pedro, Calif. Renewed August 16, 1941, to California Packing Corporation, San Francisco, Calif., a corporation of New York, assignee by mesne assignments.

146,072. **FAMOUS CORNELL FLUXES.** MINERAL FLUXES. Registered August 30, 1921. THE CLEVELAND FLUX COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed August 30, 1941.

146,156. **AIRCO.** OXYGEN, ACETYLENE, AND NITROGEN. Registered September 6, 1921. AIR REDUCTION COMPANY, INCORPORATED. Renewed September 6, 1941, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee.

146,163. **MULTIGRAPH.** PRINTING-MACHINES AND PARTS THEREOF. Registered September 6, 1921. THE AMERICAN MULTIGRAPH SALES COMPANY. Renewed September 6, 1941, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware, assignee by mesne assignments.

146,192. **WHOLESOME.** CANNED FRUITS, BERRIES, AND VEGETABLES. Registered September 6, 1921. CALIFORNIA PACKING CORPORATION, San Francisco, Calif., a corporation of New York. Renewed September 6, 1941.

146,199. **TROJAN.** HANDKERCHIEFS. Registered September 6, 1921. CLUETT, PEABODY & Co., INC., Troy, N. Y., a corporation of New York. Renewed September 6, 1941.

146,202. **COLONIAL.** SALT. Registered September 6, 1921. THE COLONIAL SALT COMPANY, Akron, Ohio, a corporation of Ohio. Renewed September 6, 1941.

146,217. **IVORY TOOTH-PASTE.** TOOTH-PASTE. Registered September 6, 1921. LEXEY B. ELLIS, JR., Memphis, Tenn. Renewed September 6, 1941, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

146,306. **SPIT FIRE.** DRY BATTERIES. Registered September 6, 1921. NATIONAL CARBON COMPANY, INC., New York, N. Y., a corporation of New York. Renewed September 6, 1941.

146,385. **BARRELED SUNLIGHT.** READY-MIXED PAINTS. Registered September 6, 1921. UNITED STATES GUTTA PERCHA PAINT COMPANY, Saco, Maine, and Providence, R. I. Renewed September 6, 1941, to United States Gutta Percha Paint Company, Providence, R. I., a corporation of Rhode Island, assignee.

146,576. **SMOOTH POINT SAFETY.** FOUNTAIN-PENS. Registered September 13, 1921. SAMUEL A. HARRIS, New York, N. Y. Renewed September 13, 1941.

146,581. **KAHLENBERG.** CRUDE-OIL ENGINES. Registered September 13, 1921. KAHLENBERG BROS. CO., Two Rivers, Wis., a corporation of Wisconsin. Renewed September 13, 1941.

146,593. **ALL-IN-ONE.** STEEL LETTER-DIE PUNCHES. Registered September 13, 1921. MARBURG BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed September 13, 1941.

146,608. **SINGER.** ELECTRIC MOTORS AND CONTROLLERS THEREFOR. Registered September 13, 1921. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J., and New York, N. Y. Renewed September 13, 1941, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

146,614. **INDIAN HEAD.** MOUTH-MIRRORS. Registered September 13, 1921. UNION BROACH CO., INC., New York, N. Y., a corporation of New York. Renewed September 13, 1941.

146,921. **WHITE LILAC.** TEA. Registered September 20, 1921. SAMUEL ZECHNOWITZ. Renewed September 20, 1941, to Consolidated Tea Co., Inc., New York, N. Y., a corporation of New York, assignee.

REISSUES

APRIL 29, 1941

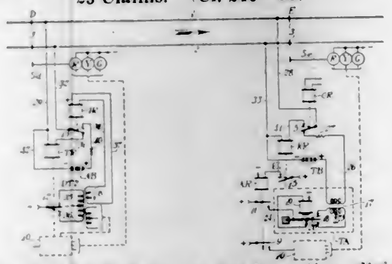
21,783

APPROACH CONTROL APPARATUS FOR RAILWAY SIGNALING SYSTEMS

Herman G. Blosser, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original No. 2,174,255, dated September 26, 1939, Serial No. 222,014, July 29, 1938. Application for reissue September 25, 1940, Serial No. 358,319

23 Claims. (Cl. 246—38)



22. In combination, a track section divided from the remaining track by insulating joints, a source of track circuit current at each end of said section, a track relay for each end of said section, movable contact means at each end of said section for connecting either the source of track circuit current or the track relay at such end across the track rails but not both, means for causing intermittent operation of said contact means so that the track relay at one end and the track circuit source at the other end and the track relay at said other end and the track circuit source at said one end are alternately connected to the track rails, whereby two track circuits are alternately established on the same track section, and signals controlled by said track relays.

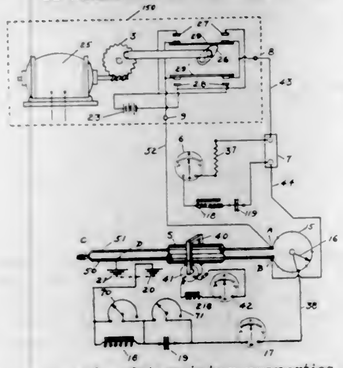
21,784

SWING CURRENT EQUIPMENT

Stephen W. Borden, Summit, N. J.

Original No. 2,176,755, dated October 17, 1939, Serial No. 199,625, April 1938. Application for reissue January 6, 1941, Serial No. 373,377

11 Claims. (Cl. 175—183)



1. Apparatus for determining properties of an electrical circuit which includes a source of alternating current having a frequency of the order of 1.2 cycles per second, for connection to the circuit; and a swing current meter having a frequency of substantially 1.2 cycles per second for connection to the circuit via a transformer; and a choke coil connected in series with the meter.

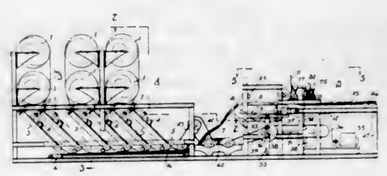
21,785

NAPKIN FOLDING MACHINE

Paul Burke, South Glens Falls, and John Edward Blosser, Glens Falls, N. Y., assignors, by mesne assignments, to International Tissue Corp., New York, N. Y., a corporation of New York

Original No. 1,992,179, dated February 26, 1935, Serial No. 640,582, November 1, 1932. Application for reissue October 25, 1940, Serial No. 362,840

12 Claims. (Cl. 270—41)



1. In a machine for folding, combining and severing tissue napkins and the like, a supporting frame, a plurality of reeled tissue webs carried by said frame, means for simultaneously withdrawing and superposing said webs from the reels, means for folding the individual webs being thus withdrawn, an endless belt conveyor for supporting the superposed folded webs, and means including an intermittently operable shearing device associated with said conveyor and adapted to sever said superposed webs at timed intervals.

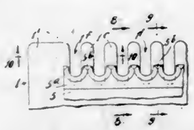
21,786

SHAVING MACHINE

Thaddeus S. Casner, Plainfield, N. J., assignor to Casner Patents, Inc., a corporation of Delaware

Original No. 2,145,247, dated January 31, 1939, Serial No. 101,197, September 17, 1936. Application for reissue February 24, 1940, Serial No. 320,685

8 Claims. (Cl. 30—43)



1. A shaving machine embodying, in combination, a stationary blade-supporting member having a body portion provided at its top with a flat blade-supporting surface and an outwardly-pro-

jecting comb portion provided along a side of the top surface with a beveled edge merging with said flat surface, said comb portion being provided with a series of comb teeth and interdental spaces disposed at right angles to said edge and extending inwardly of said beveled edge portion and through a part of said flat blade-supporting portion, a blade having a flat bottom surface abutting the said flat surface of said supporting member and having a beveled edge extending along a side of the top surface and arranged at an acute angle with the bottom surface of the blade and with the said flat supporting surface, said outer beveled edge of the blade and the beveled edges of the comb teeth being disposed in the same inclined plane, said beveled edges of the comb and knife providing a beveled skin-contacting surface adapted in the shaving operation to be pressed against the face of the user, and said beveled edge of the blade being provided with a series of teeth having lateral edges similarly beveled and adapted to cut upon lateral movement of the blade in relation to said comb portion, means for clamping said members together, and power means for reciprocating said blade.

21,787
MARINE CRAFT

Charles Haskell Clark, San Francisco, Calif., assignor, by mesne assignments, of one-half to Ray H. Kistler, San Francisco, Calif.

Original No. 2,111,555, dated March 22, 1938, Serial No. 62,975, February 8, 1936. Application for reissue June 5, 1939, Serial No. 277,492

14 Claims. (Cl. 9—2)



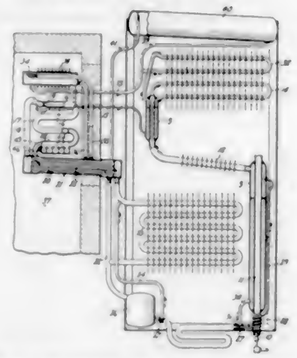
11. A marine craft comprising a hull formed of four resilient normally flat panels hingedly connected together to enable folding of the craft as well as setting up the same for use in water, and retractable means for twisting each of said panels to a predetermined angle with respect to the horizontal adjacent its longitudinal center so that it is inclined to the horizon at a lesser angle than said predetermined angle at its longitudinal extremities.

21,788
REFRIGERATION

Wilhelm Georg Kögel and Per Paul Strandberg, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware

Original No. 2,194,505, dated March 26, 1940, Serial No. 118,558, December 31, 1936. Application for reissue February 12, 1941, Serial No. 378,947

6 Claims. (Cl. 62—119.5)



1. In an absorption refrigeration system having a generator, condenser, absorber and evaporator interconnected for flow of refrigerant, absorption liquid, and inert gas, means to distribute liquid refrigerant in the evaporator in a manner to provide large surface for surface evaporation relative to liquid quantity, means to flow condensate directly onto said distributing means, said evaporator being constructed and connected and said distributing means being disposed for gravity flow of liquid in a downward path, said path being of sufficient length to provide substantially all the surface of evaporation necessary at all refrigerative capacities, and structure providing a pocket of sufficient depth and of such lateral dimensions as to hold a quantity of refrigerant having large volume relative to surface area exposed to inert gas and of such volume as to cause an appreciable variation in concentration of absorption liquid when its complement of refrigerant liquid is added to the absorption liquid in the system, said pocket being situated to receive residue unevaporated liquid flowing downwardly beyond said distributing means and disposed in heat exchange relation with the object to be refrigerated and so that liquid refrigerant in said pocket is in the presence of circulating inert gas.

PLANT PATENTS

GRANTED APRIL 29, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

463
CARNATION PLANT

Philip J. Goebel, Des Peres, Mo.

Application May 31, 1940, Serial No. 338,276

1 Claim. (Cl. 47—60)

A new and distinct variety of carnation plant substantially as shown and described, characterized particularly by its stout, heavy stems; its large, thick, bulging buds; and its very large full-petaled, high-centered blossoms having a uniform, brilliant Scarlet Red to Spectrum Red color which it retains regardless of weather conditions.

464
ROSE PLANT

Frederick Huber Howard, Montebello, Calif.

Application November 18, 1940, Serial No. 366,186

1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant herein shown and described, characterized particularly by its strong growth; its handsome, leathery foliage; its bud of good, long-pointed form; and its blossoms having a loose, high-centered form and petals with wavy and notched edges and a distinctive combination of colors from Geranium Pink to Capucine Orange.

465
SHASTA DAISY

Horace Postle Read, Brundall, near Norwich, England, assignor to The Conard-Pyle Company, West Grove, Pa.

Application June 25, 1940, Serial No. 342,379

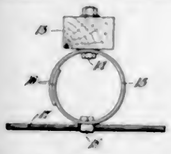
1 Claim. (Cl. 47—60)

A new and distinct variety of Shasta daisy characterized as to novelty by the color of its foliage and the large size fully double form of blossom borne on single stout stems, said flower being white in color tinged at the center with light green until mature when said green disappears, substantially as shown and described.

PATENTS

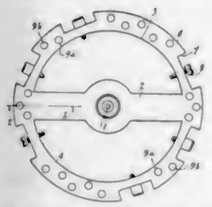
GRANTED APRIL 29, 1941

2,239,667
ROAD GUARD
Carl C. Ahles, Albany, N. Y.
Original application July 8, 1935, Serial No. 30,374, now Patent No. 2,204,556, dated June 18, 1940. Divided and this application July 20, 1939, Serial No. 285,631
6 Claims. (Cl. 256—13.1)



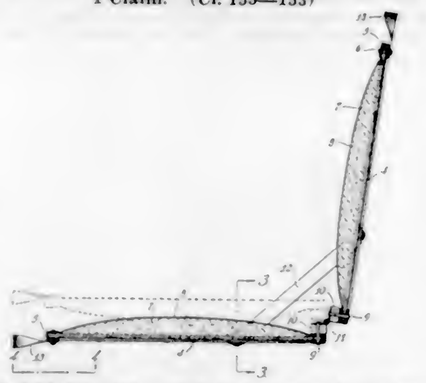
1. A road guard of the character described, comprising a series of posts, a series of looped resilient sheet metal supports each having a portion adjacent the post rigidly secured thereto, the extremities of each looped support being free to move relatively to each other under impact, a guard rail comprising a plurality of vertically spaced cables extending from support to support and in juxtaposition with the outer surfaces thereof, and respective means mounting each cable on each support with freedom for independent longitudinal sliding movement relative to such support.

2,239,668
BALANCE WHEEL FOR WATCH MOVEMENTS
Hans Hermann Aegler, Bienne, Switzerland, assignor to the firm Manufacture des Montres Rolex, Aegler Societe Anonyme, Bienne, Switzerland, a firm of Switzerland
Application September 12, 1938, Serial No. 229,612
In Switzerland July 29, 1938
2 Claims. (Cl. 58—107)



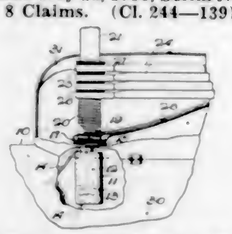
2. A balance wheel comprising an axle, a rim carried by said axle, said rim being provided with a series of spaced recesses disposed diametrically opposite each other along the outer periphery of said rim so as to form a plurality of segments separated by said recesses, each of said segments being provided with a series of smooth dead holes parallel to the axle and disposed on at least two concentric circles, the holes of one circle being adapted to be individually filled or deepened for poising the balance, and the holes of the other circle being adapted to be retouched in pairs symmetrically as to the center of the wheel for correcting the radius of inertia of the balance, and the recesses being provided with radially threaded holes, and regulating screws engaging the threaded holes of said recesses.

2,239,669
FOLDING SEAT
Robert Blake, St. Louis, Mo.
Application October 17, 1938, Serial No. 235,492
1 Claim. (Cl. 155—153)



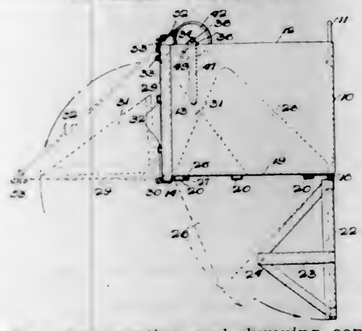
A foldable seat comprising a pair of substantially rectangular members, each including a body panel having the corners at the outer ends thereof cut away, upholstering material for each panel and including a padding and a covering therefor, a marginal channel frame for and surrounding each panel and having the edge portions of the latter and the cover mounted and secured within the channel, strips secured along the inner ends of said members, leaf hinges having their leaves secured to said strips for connecting said members together to be folded one upon the other and to be unfolded for either of said members to provide a seat and the other a back rest, flexible straps having their ends secured to each member adjacent to the hinged ends thereof for limiting the unfolding movement of said members for disposal thereof substantially at right angles to each other, and a flexible strap for each member and secured to the outer end thereof to provide bail type handles cooperating with each other for holding and carrying said members in folded position.

2,239,670
ROTATING PARACHUTE
Richard H. Burgess, San Antonio, Tex.
Application July 11, 1938, Serial No. 218,595
8 Claims. (Cl. 244—139)



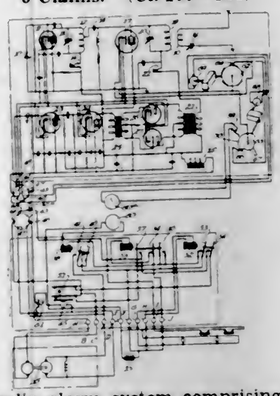
1. A rotary parachute for aircraft including a plurality of blades revoluble by air currents for checking the descent of the aircraft, means operatively connecting the blades with the aircraft and supporting the blades to revolve, a connection between each of the blades and said means mounting the blades for individual movement to active position extending in angular relation to each other and to inactive position in stacked relation, and fluid pressure operated means for shifting the blades to inactive position.

2,239,671
TRANSPORTING AND DUMPING CONTAINER
George R. Dempster, Knoxville, Tenn.
Application June 27, 1940, Serial No. 342,791
11 Claims. (Cl. 294—69)



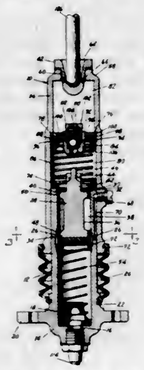
1. In a transporting and dumping container having a plurality of compartments formed by at least one partition extending parallel to the side walls of the container, bottom members for each compartment hinged to the lower edge of the rear wall of the container and a cradle hinged to the lower edge of the rear wall of the container upon which said bottom members rest and to which the chains of the transporting and dumping device are attached.

2,239,672
RADIO ALARM SYSTEM
William L. Foss, Washington, D. C., assignor to Howton Radio Alarm Company, Seattle, Wash.
Application February 21, 1938, Serial No. 191,787
5 Claims. (Cl. 177—314)



1. A radio alarm system comprising a transmitter including a plurality of tubes and alarm message producing means in connection with said transmitter, said means including code signalling means and a motor for said last named means, means for blanking out said code signalling means and a motor to drive said blanking means, said motors being connected in parallel with each other and in parallel with the filament supply circuit for said tubes, means for controlling the operation of the last named means, said alarm message producing means including also voice message producing means, and means for operatively connecting said voice message producer with the transmitter while the code signalling means is blanked out, said alarm system being adapted to transmit a warning of a disturbance on a protected premise, said voice message producing means being effective when actuated to cause a warning signal to be broadcast and said code signalling means being effective when actuated to send an intelligible signal into zones of possible interference.

2,239,673
FLUID PRESSURE BRAKING SYSTEM
Owen H. Fowler, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application June 6, 1938, Serial No. 212,179
12 Claims. (Cl. 60—54.6)

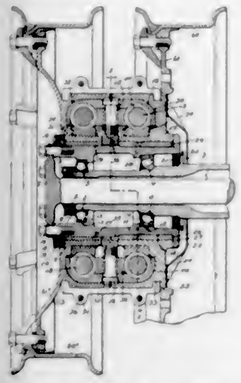


1. A fluid pressure producing device comprising telescopic casings closed at their outer ends, the inner casing having a discharge port, the outer casing having a filling opening, a piston fixedly secured in the outer casing intermediate the ends thereof dividing the casing into a reservoir and a compression chamber, means engaging the closed end of the outer casing for moving the latter, and a reciprocable piston in the inner casing actuated by the fixed piston after a predetermined movement of the outer casing.

2,239,674
DUAL WHEEL
Clayton Erasmus Frederickson, Chicago, Ill.
Application March 14, 1939, Serial No. 261,817
8 Claims. (Cl. 180—22)

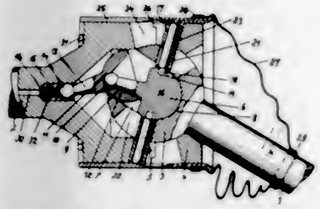
1. A dual wheel comprising two wheels, a common hub on which the wheels are rotatably mounted, a differential driving connection between said hub and said wheels, said driving connection including individual hubs as parts of the respective wheels, said individual hubs being rotatably mounted on said common hub, a driving element carried by said common hub and rotatable therewith, worm pinions rotatably mounted on said driving hub, worm gears mounted on and turning with said individual hubs, key-worm

carriers connected to and turning with said driving element, key-worms rotatably mounted in



said carriers and meshing respectively with said worm pinions and with said worm gears.

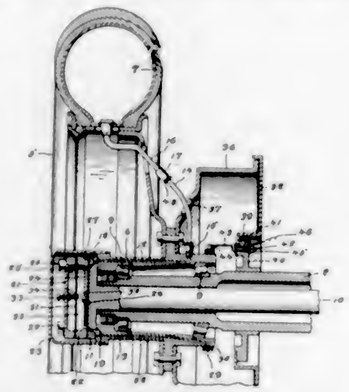
2,239,675
JOINT FOR THE CONNECTION OF SHAFTS
Hans Hanft, Munich, and Albert Geiszler, Suhl, Germany; said Geiszler assignor to Berlin-Suhler Waffen-Und Fahrzeugwerke G. m. b. H., Suhl, Germany, a corporation of Germany
Application June 4, 1938, Serial No. 211,936
In Germany June 9, 1937
8 Claims. (Cl. 64—21)



1. In a joint for the connection of two shafts the combination of a spherical head on one shaft and a bowl-shaped ball socket on the other shaft, the head and the ball socket being provided with slots, a guide member arranged within a recess of the spherical head and carrying drivers extending through the said slots in the spherical head and in the ball socket and being held substantially in a common plane, the said guide member being formed on its free side with a pin-shaped extension perpendicular to the plane of the drivers, and being provided with a spherical end, a spring-loaded controlling member for controlling the position of the said guide member, said spring-loaded controlling member having an axial bore in its funnel-shaped hollow end adjacent to the guide member for receiving the said spherical end of the guide member.

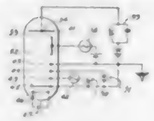
2,239,676
SIGNALING DEVICE
Harold G. Henry, King City, Calif.
Application June 12, 1939, Serial No. 278,787
2 Claims. (Cl. 200—58)

1. In combination with a hub formed with an air passage for communication with an inner tube and mounted for rotation on the gudgeon of an axle housing having journaled therein an axle rotatable with said hub and with said axle equipped with a contact member, a diaphragm casing fixed on said axle and formed with a chamber communicating with said passage, a diaphragm mounted in said casing and provided with a contact member for engagement with said first men-



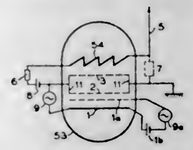
tioned contact member, said diaphragm being responsive to air pressure in said chamber to make and break contact between said contact members, and means carried by said casing for flexing said diaphragm to effect engagement of said contact members upon lowering of said air pressure in said chamber.

2,239,677
METHOD OF ELECTRON CONTROL
Günther Jobst, Berlin, Germany
Application May 23, 1938, Serial No. 209,595
In Germany May 26, 1937
9 Claims. (Cl. 250—36)



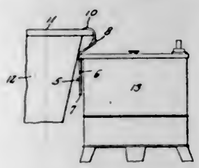
1. An electron discharge device having a cathode for emitting electrons, a first control electrode, a second control electrode comprising spaced electrical conducting elements electrically connected to form a field free space between said elements and an anode all in the order named, means tending to cause electrons emitted by said cathode to flow toward said anode, means for applying a voltage to said first control electrode with respect to said cathode such that electrons will pass through said first control electrode discontinuously, and other means for applying to said second control electrode a variable voltage having a rising positive characteristic at the time when the electrons which have passed through the first control electrode come into the vicinity of and under the influence of the second control electrode for accelerating said electrons, said accelerated electrons becoming compressed within the field free space whereby current to said anode reaches said anode in a sharp pulse and a tuned circuit connected to said anode and tuned to a frequency harmonically related to the frequency of the pulses.

2,239,678
SHOCK EXCITATION SYSTEM
Günther Jobst, Berlin, Germany
Application May 31, 1939, Serial No. 276,697
In Germany June 2, 1938
20 Claims. (Cl. 250—17)



1. An electron discharge device having a cathode for emitting electrons and an anode for collecting said electrons, control electrode means intermediate the cathode and anode, means for applying to the control electrode means alternating voltages for compressing the electrons from the cathode into successive groups of electrons having an extended front but of a depth less than one-quarter the wavelength of the frequency of the applied alternating voltages times the ratio of the velocity of the electrons to the speed of light, said anode being positioned so that the electrons approach the absorbing surface of the anode at an angle to be progressively absorbed from one end of the anode to the other.

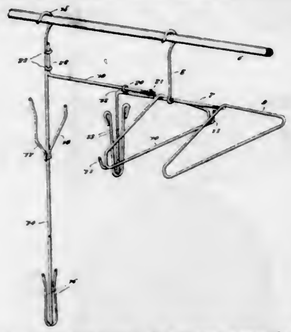
2,239,679
PROTECTOR
Bertha L. Jones, Cleveland, Ohio
Application April 19, 1940, Serial No. 330,595
1 Claim. (Cl. 45—137)



In a device of the character described, an elongated cushion pad having one end rounded and its opposite end folded and secured upon itself to form a hem, a rod extending through the hem and having its end portions bent to form substantially U-shaped hook portions to engage over a rim of a device to permit the pad to depend from said device and lie between the latter and another device to protect said devices from rubbing against and damaging the finish of each other.

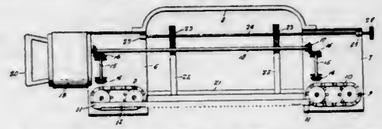
2,239,680
MULTIPLE GARMENT HANGER
Ernesto R. Knollin, Eugene, Oreg.
Application July 25, 1940, Serial No. 347,509
2 Claims. (Cl. 223—88)

1. A garment hanger comprising a main horizontal rod provided with a vertical hook between its ends whereby it may be hung from a supporting bar, a depending hanger fixed to one end of the rod, a horizontal extension and spacing rod detachably engaged at one end to the main rod and having an upstanding finger at its other end, and a supplemental hanger having a hook at the top to engage said supporting bar and also having loops fitting over said finger, whereby said



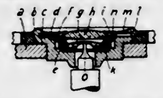
main and supplemental hangers are datachably connected to each other in spaced relation.

2,239,681
POWER DRIVEN HACK SAW
Paul Marshall, Dexter, N. Mex.
Application October 25, 1939, Serial No. 301,272
2 Claims. (Cl. 29—73)



1. A hack saw comprising a frame construction, pairs of endless drive elements carried by said frame construction, a hack saw connected to said endless elements for reciprocation thereby, an electric motor including a handle mounted on said frame construction, a drive means connecting the electric motor to said endless drive elements, guide means slidably connected to the frame construction for guiding the movement of the saw blade during its non-cutting stroke, and for limiting the cutting action of said blade in work and means for adjusting said guide means with respect to the saw blade and the work acted on by said blade.

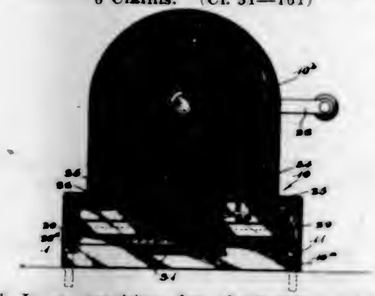
2,239,682
BEARING WITH MOVABLE BUSH, PARTICULARLY FOR WATCH MOVEMENTS
Fritz Marti, La Chaux-de-Fonds, Switzerland
Application April 20, 1938, Serial No. 203,158
In Switzerland April 21, 1937
4 Claims. (Cl. 58—140)



1. A bearing for watch movements comprising a circular body member having a central bore provided with at least two stepped surfaces located near the respective ends and having a cylindrical outside portion provided with a shoulder, the cylindrical portion being adapted to be pressed onto a plate of a cock with the shoulder against the plate, a removable bush member arranged loosely in the said central bore and provided with at least two stepped surfaces located near the respective ends thereof for coacting with the corresponding stepped surfaces in the bore, at least one of said stepped surfaces near the respective

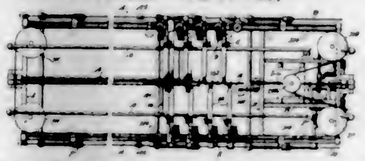
ends of said members being conical, and a spring member fixed to the body member to hold the bush member in position.

2,239,683
MACHINE FOR SHARPENING ROTARY CYLINDRICAL CUTTERS
Marie C. McCormack, New Orleans, La.
Application February 7, 1940, Serial No. 317,744
8 Claims. (Cl. 51—161)



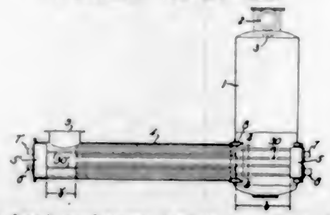
1. In a machine for sharpening rotary or cylindrical knives or cutters, a frame, a pair of spindles mounted in substantially axial parallel relation for rotation in said frame and having portions constituting chucks on which the knives or cutters to be sharpened may be mounted, a pair of abrasives or hones slidably mounted in spaced relation substantially perpendicularly to and on opposite sides of the axes of said chucks, a spring common to both abrasives or hones normally urging the latter uniformly against the cutters or knives to be sharpened, and means for rotating said spindles.

2,239,684
METHOD AND APPARATUS FOR PRODUCING THROWN YARN
Joseph P. McHugh, Scranton, Pa., assignor, by mesne assignments, to Industrial Machine Corporation, a corporation of Delaware
Application November 21, 1936, Serial No. 112,150
18 Claims. (Cl. 57—75)



6. A multiple down ring spinning apparatus for forming final packages of fully thrown lustrous yarn employing a single spinning step comprising a plurality of units, each embracing a plurality of single end supply supports for supporting stationary supplies, condensing means remote from said supply supports to effect doubling of the single ends, a ring spinner, a traveler on the ring adapted to receive the composite yarn from said feed roll, means in advance of the traveler and including a large diameter feed roll for maintaining a sufficient length of yarn to absorb high twist, a vertical spindle on which the final package forms, stop motion means for interrupting the supply of yarn to any package on the breaking of any single end entering the composite yarn being supplied thereto, and means for traversing the ring with respect to the spindle.

2,239,685
HEAT EXCHANGER
Walter Gustav Noack, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application March 5, 1940, Serial No. 322,385
In Germany March 15, 1939
4 Claims. (Cl. 257—238)



1. A heat exchange device, especially for the production of steam from hot gases at high pressures and velocities, comprising means forming an elongated chamber, said chamber having a gas inlet adjacent one end of said chamber and a gas outlet adjacent the other end of said chamber, and a plurality of tubes extending lengthwise of said chamber, inner tubes substantially concentrically positioned within the first-mentioned tubes for the flow of fluid to the ends of the outer tubes whereby fluid may be supplied to and withdrawn from one end of said tubes, and at least a portion of said tubes terminating in said chamber short of the gas inlet thereof and the other portion of said tubes terminating in said chamber short of the gas outlet thereof.

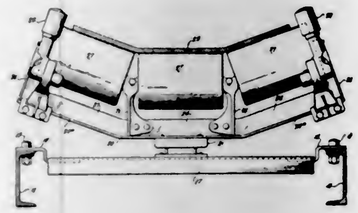
2,239,686
MOP CLOTH STRAND
John F. Owens, Chicago, Ill.
Application May 16, 1939, Serial No. 274,051
2 Claims. (Cl. 57—153)



1. A mop cloth strand, comprising a plurality of absorbent threads twisted together for forming a wick, and said threads impregnated with an adhesive a short distance at intervals and a considerable distance apart throughout the strand for joining the threads together to avoid the separation of the latter or the untwisting of the same, whereby they may be severed above the point of joining to produce a new strand.

2,239,687
SHOCK ABSORBER FOR BELT CONVEYER GUIDE AND ACTUATING ROLLS
Richard W. Parker, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois
Application July 6, 1939, Serial No. 283,078
19 Claims. (Cl. 198—202)

1. In a belt conveyer, the combination with the belt of the conveyer of a roll positioned to be engaged by an edge of the belt when the belt becomes unduly misaligned, a bracket arm rotatably supporting the roll, a bracket base, means for mounting the bracket base on a part of the belt conveyer, and means for attaching the bracket



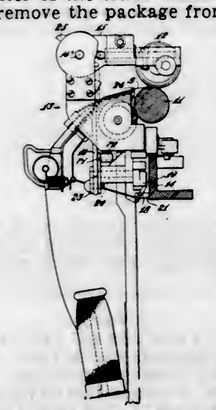
arm to the bracket base to permit the arm to partake of yieldably resisted pivotal movements from its normal position only about an axis which is parallel to the top surface of the adjacent portion of the belt and is normal to the direction of travel of the belt when the roll is engaged by an object conveyed by the belt.

2,239,688
SOUND DEADENING COMPOSITION AND THE PROCESS OF PREPARING SAME
Paul G. Pelk, Detroit, Mich., assignor to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 7, 1938, Serial No. 212,395
3 Claims. (Cl. 134—1)

1. In the manufacture of a bituminous sound deadening composition capable of withstanding a temperature from approximately 250° F. upwardly without shrinkage, producing a non-colloidal aqueous oil phase emulsion of pitchy bituminous material containing at least 50% by weight of water and a volatile solvent for cutting back the bituminous material, and free of any emulsifying agent, mixing said emulsion with a large proportion of a heavy aggregate, the quantity of which is of materially greater weight than the emulsion and consisting of solid non-fibrous particles of a size to pass through a 20 mesh screen but incapable of passing through a 35 mesh screen, and also mixing with the emulsion a small percentage of a fibrous aggregate.

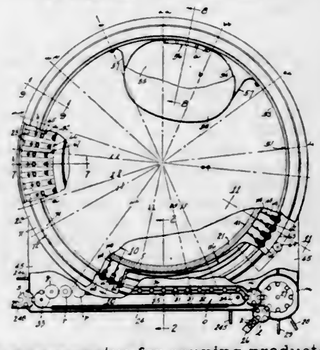
2,239,689
WINDING MACHINE
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Original application October 29, 1935, Serial No. 47,247. Divided and this application July 29, 1938, Serial No. 221,940
9 Claims. (Cl. 242—18)

1. A winding machine having therein a rotary frictional package-driving element, a swinging package-carrying arm, a lifter rod and mechanism adapted to act through the lifter rod to swing the package-carrying arm and thereby raise the package from the package-driving element, a crank having operative connection with the lifter rod, and a spring acting on the crank to urge the lifter rod down during winding, said crank having engagement with the spring past the dead center of the crank when the lifter rod is raised to remove the package from the driving



element, thereby to resist return of the package to the driving element.

2,239,690
APPARATUS FOR CANNING
Charles O. Ball, Oak Park, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 27, 1937, Serial No. 181,944
14 Claims. (Cl. 99—251)

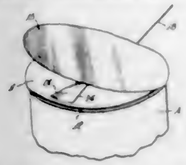


1. In an apparatus for canning products of the discrete particle type, the combination of a hopper adopted to receive a predetermined charge of product, means for introducing steam into said hopper so that it will circulate among the particles of said product to begin the sterilization of the same, means for transferring the product from said hopper into a filling tube, means for introducing steam into said filling tube to complete the sterilization of said product, means for extracting some of the heat from said sterilized product while in said filling tube, means for filling the sterilized product into cans while in a sealed filling chamber, and means for sealing the filled cans while in said filling chamber.

2,239,691
MILK PACKAGE
Rebecca Becker, New York, N. Y.
Application January 15, 1938, Serial No. 185,151
9 Claims. (Cl. 221—11)

5. A milk package comprising a can receiving milk having upper and lower covers with out-

wardly extending beads, the upper cover being provided with a paper enclosure and a pouring spout, said paper enclosure and pouring spout



being held in position by said bead, and a tear string held in position below said paper enclosure and above said upper cover inside of said bead.

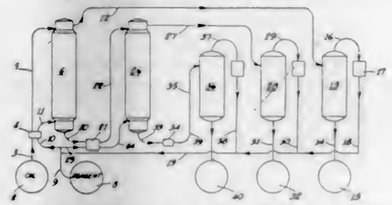
2,239,692

CONTINUOUS PROCESS OF TREATING OILS

Otho M. Behr, Redondo Beach, Calif., assignor to Vegetable Oil Products Company, Inc., Los Angeles, Calif., a corporation of Delaware

Application October 21, 1938, Serial No. 236,228

13 Claims. (Cl. 260—428)



11. In a process of the character described, the steps of subjecting a solution of a partially polymerized oil comprising a mixture of glycerides varying in molecular weights in a normally liquid reagent from the group consisting of ketones, butyl alcohol and higher alcohols to settling at a reduced temperature in a settling zone, withdrawing glycerides of higher molecular weight from the bottom of the settling zone, withdrawing a solution of glycerides of lower molecular weight from the top of said settling zone, and then separately purifying said solution to remove glycerides therefrom.

2,239,693

ELECTRIC DISCHARGE ELECTRODE

Willard H. Bennett, Newark, Ohio, assignor to Electronic Research Corporation, Newark, Ohio, a corporation of Ohio

Application February 4, 1939, Serial No. 254,725

12 Claims. (Cl. 230—69)



1. A discharge electrode comprising in combination, a semi-conductive tape, a multiplicity of spaced emitting points carried by said tape, a metallic channel member, and semi-conductive means supporting said semi-conductive tape with respect to said channel member and providing a high resistive path for distribution of electric potential from said channel member to said tape and said points.

2,239,694

ELECTRIC DISCHARGE ELECTRODES AND CIRCUIT ARRANGEMENTS THEREFOR

Willard H. Bennett, Newark, Ohio, assignor to Electronic Research Corporation, Newark, Ohio, a corporation of Ohio

Application February 4, 1939, Serial No. 254,727

20 Claims. (Cl. 230—69)



1. A fan of the electric discharge type comprising a multiplicity of groups of electric discharge electrodes arranged in cascade, each electrode of each group of discharge electrodes including a charge collecting portion and a charge emitting portion, and insulation means between said charge collecting portion and said charge emitting portion, the charge emitting portion of each electrode of one group of electrodes coacting with the charge collecting portion of an electrode of the adjacent group of electrodes.

2,239,695

CAPACITIVE TARGET-EMITTER FOR ELECTRIC DISCHARGE DEVICES

Willard H. Bennett, Newark, Ohio, assignor to Electronic Research Corporation, Newark, Ohio, a corporation of Ohio

Application February 6, 1939, Serial No. 254,934

10 Claims. (Cl. 230—69)



1. In combination, in electric discharge apparatus, a capacitive target element and a capacitive emitter element united in a stream-lined structure with said target element forming the leading edge and said emitter element the trailing edge.

2,239,696

METHOD AND APPARATUS FOR FORMING THE RIMS OF CYLINDRICAL SHELLS

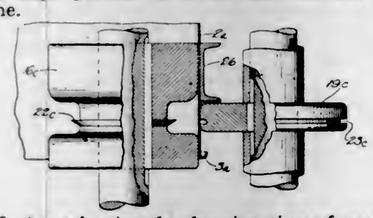
Daniel Bohm, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York

Application May 29, 1936, Serial No. 82,617

21 Claims. (Cl. 153—2)

9. The method of necking-in the peripheral wall of a substantially cylindrical unit such as a washing machine tub and the like, which comprises causing relative movement between the peripheral portion to be formed and forming units having complemental effective forming surfaces, maintaining the extreme peripheral edge portion

of the unit beyond a plane defined by one edge of the effective forming surfaces of the forming units, and subjecting the rim portion adjacent said extreme edge portion to a forming action whereby a portion of the metal in said rim portion is drawn away from said edge portion while said edge portion is maintained beyond said plane.



15. A mechanism for forming rims of washing machine tubs and similar articles comprising rotating forming rolls, one being reciprocally movable relative to the other, said forming rolls having a diameter substantially smaller than said tubs and having cooperating portions adapted to positively confine a localized portion of a tub as a reinforcing edge between opposed rolling surfaces whereby said edge functions as a hold-down during the greater part of the movement of one forming roll towards the other while the portions of the tub adjacent said reinforcing edge are being formed.

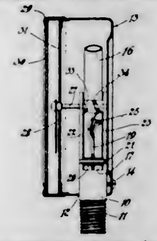
2,239,697

PRESSURE GAUGE

Frederick Buechmann, New York, N. Y., assignor to Newmark Bros., Inc., Long Island City, N. Y., a corporation of New York

Application December 13, 1938, Serial No. 245,476

6 Claims. (Cl. 73—109)



2. In a fluid pressure gauge including a pressure tube, a pointer shaft and a pointer mounted thereon, the combination of means for transmitting movement from the free end of the pressure tube to the pointer shaft, comprising a cylindrical sleeve mounted on the pointer shaft and having an annular spiral recess therein of substantially uniform pitch throughout its length, a pivotally mounted quadrantal cam plate operatively connected with the free end of the pressure tube and having a cam surface lying on a plane corresponding to the pitch of the spiral recess, such cam surface residing in said recess and adapted to impart rotative movement to the pointer shaft.

2,239,698

PHOTOGRAPHIC ELEMENT

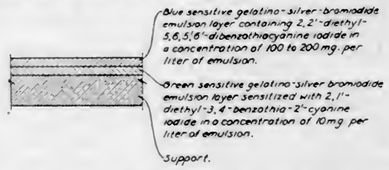
Burt H. Carroll, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 20, 1940, Serial No. 319,914

In Great Britain March 9, 1939

7 Claims. (Cl. 95—2)

1. A photographic element comprising two silver bromide emulsion layers superposed on one side of a support, the one layer being sensitized to green light with a sensitizing dye, and the other



layer being blue-sensitive and containing a dye which adsorbs to the silver halide in the layer and imparts substantially no extension to the spectral sensitivity of the layer.

2,239,699

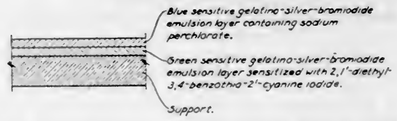
PREVENTION OF DIFFUSION OF SENSITIZING DYES

Burt H. Carroll, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 20, 1940, Serial No. 319,913

In Great Britain March 9, 1939

10 Claims. (Cl. 95—2)



1. A photographic silver halide emulsion sensitized with a quaternary ammonium salt sensitizer and containing a perhalogenate salt other than a quaternary ammonium perhalogenate.

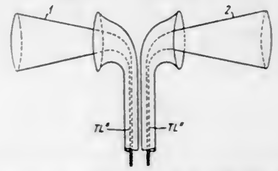
2,239,700

WIDE BAND SHORT WAVE ANTENNA AND TRANSMISSION LINE SYSTEM

Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application February 15, 1938, Serial No. 190,555. Divided and this application September 9, 1939, Serial No. 294,126

7 Claims. (Cl. 250—33)

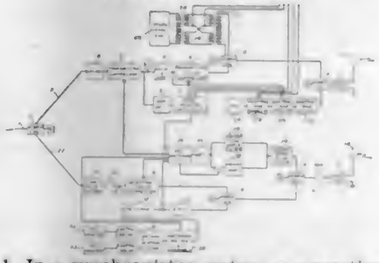


1. A short wave antenna and transmission line system having a wide band impedance versus frequency characteristic comprising a pair of conductive structures in the form of oppositely disposed horns, and a coaxial transmission line near each horn, the inner conductor of each line gradually expanding in diameter until it imperceptibly merges with the small dimension portion of its associated horn, the outer conductor of each transmission line also expanding in diameter at the location of expansion of the inner conductor thereof to maintain substantially constant the outer to inner diameter ratio between the conductors.

2,239,701
PROCESS FOR REFINING OILS
Benjamin Clayton, Houston, Tex., and Walter B. Kerrick, Los Angeles, and Henry M. Stadt, Glendale, Calif., assignors to Refining, Inc., Reno, Nev., a corporation of Nevada
Application May 31, 1938, Serial No. 211,056
6 Claims. (Cl. 260—425)

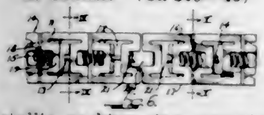
1. A process for refining animal and vegetable oils which comprises the steps of: mixing in a relatively large vessel and at a relatively low temperature a refining reagent with said oils, in a concentration sufficient to react with impurities contained therein and to form foots, conditioning the mixture for centrifugal separation by elevating the temperature thereof, continuously pumping a relatively small stream of the thus conditioned mixture to a centrifugal separator through a conduit of restricted cross sectional dimensions whereby to maintain the foots in an even state of dispersion while maintaining a state of agitation such as will permit agglomeration and centrifugally separating the agglomerated foots from the oil.

2,239,702
SYNCHRONIZING SYSTEM
Ira E. Cole, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 2, 1939, Serial No. 287,925
7 Claims. (Cl. 179—2)



1. In a synchronizing system, a correcting distributor, a corrected distributor, a plurality of communication channels served over said distributors, correcting means responsive to transitions from one type of communication signal to another type of communication signal, and means automatically responsive to stoppage of communication on one of said channels for changing the type of signal transmitted during such stoppage whereby there will be at least one transition of signals per cycle of operation of said distributors.

2,239,703
FLEXIBLE PISTON RING
Frederick C. Crawford, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application July 31, 1939, Serial No. 287,478
16 Claims. (Cl. 309—45)

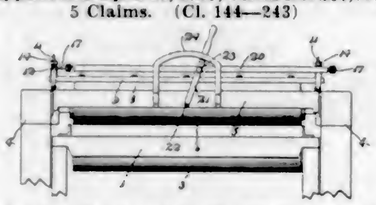


1. A metallic packing ring comprising a plurality of radially extending cellular members capable of abutting laterally, a plurality of resilient members disposed intermediate said cellular members, and ring means for holding all said members in assembled relation.

2,239,704
LIGHT-SENSITIVE LAYER AND METHOD OF MAKING THE SAME
Jan Hendrik de Boer, Roelof Jan Hendrik Alink, and Johannes Josephus Antonius Jonkers, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application February 8, 1939, Serial No. 255,344. In the Netherlands February 10, 1938
13 Claims. (Cl. 95—6)

1. In the manufacture of a light-sensitive layer capable of being developed solely by the application of water, the steps of sensitizing a carrier with a diazonium compound capable of reacting with a coloring component in the presence of sufficient water and if desired an alkaline-reacting component to form coloring matter, suspending at least one of said components in a finely-divided state in a solution of a binder dissolved in a volatile solvent incapable of dissolving any of the materials required for the formation of coloring matter, coating the dried sensitized carrier with the suspension, and volatilizing the solvent.

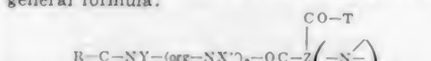
2,239,705
PLANER PRESSURE SHOE ADJUSTMENT
M. Everett Dick and Eldon W. Dick, Holland, Mich., assignors to Buss Machine Works, Holland, Mich., a corporation of Michigan
Application April 14, 1939, Serial No. 267,750
5 Claims. (Cl. 144—243)



1. In a planing machine, spaced apart side frame supports, a back pressure bar extending horizontally between said supports and having ends extending over the supports, vertical rods connected with said supports passing upwardly through the ends of said pressure bar, each of said rods having a shoulder thereon spaced from said bar, coiled springs mounted on said rods above the ends of the pressure bar, nuts threaded onto the upper portions of said rods against the springs, and rotatably mounted cam means between each end of the pressure bar and the adjacent shoulder, the movement of which in one direction elevates the pressure bar against the force of said springs.

2,239,706
NITROGENOUS COMPOUNDS
Albert K. Epstein and Morris Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 29, 1939, Serial No. 287,255
18 Claims. (Cl. 260—295)

1. Chemical compounds correspondings to the general formula:

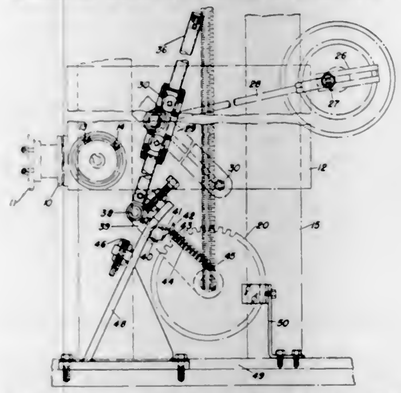


wherein



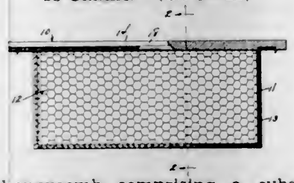
is an acyl radical containing at least four carbon atoms, Y and X'' are the same or dissimilar members selected from the group consisting of hydrogen, alkyl, cycloalkyl and alkylol, org is an organic residue containing at least two carbon atoms, Z is the residue of a polycarboxylic acid, A is an anion, T is (1) a member selected from the group consisting of NHR' where R' is hydrogen, lower alkyl, hydroxy-alkyl or cyclo alkyl or (2) OY where Y is a cation, lower alkyl, cycloalkyl or an aliphatic polyhydric alcohol radical, *m* and *n* are small whole numbers, and at least one of the three indicated valence bonds attached to nitrogen is satisfied by a radical of the class consisting of alkyls, cycloalkyls, alkylols, aralkyls, aryls, aralkylols, and the radical of a heterocyclic ring of which the nitrogen is a member.

2,239,707
PLANING MACHINE
Frank X. Fehrenbach, Edward F. Copes, and Albert Di Benedetto, Philadelphia, Pa.
Application November 2, 1938, Serial No. 238,394
4 Claims. (Cl. 90—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



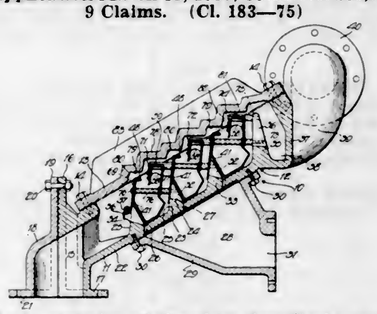
1. In combination with a vertically movable and horizontally reciprocable shaper ram, a vertically movable ram carrying saddle, operating means for vertically moving the saddle, including a rotatable control ratchet, ram stroke controlling oscillatory means carried by said saddle for reciprocating said ram, and a ram attachment comprising means connecting said rotatable vertical control ratchet to said ram stroke controlling oscillatory means.

2,239,708
ARTIFICIAL HONEYCOMB
Lloyd V. France, St. Paul, Minn.
Application December 27, 1938, Serial No. 247,873
13 Claims. (Cl. 6—11)



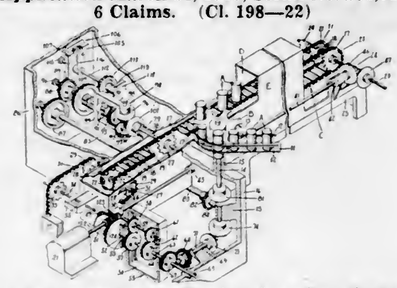
1. A honeycomb comprising a substantially rectangular shaped frame, said frame provided with a multiplicity of integrally formed transversely arranged cells, and means on said frame for variably spacing the same when a similar unit is positioned on each side thereof.

2,239,709
SEPARATOR DEVICE
Julius Goldstein, Brooklyn, N. Y.
Application March 31, 1939, Serial No. 265,077
9 Claims. (Cl. 183—75)



1. A separator of the class described comprising in combination an inclined casing having a steam inlet at the low end and a steam outlet at the high end thereof, a series of troughs in the bottom wall of said casing arranged in step relation, step portions formed on the top wall of said casing defining a plurality of surfaces on the inner side of said top wall, each of said plurality of surfaces being disposed at an angle to an adjacent surface in a rising order, spaced trough shaped members disposed in said troughs supported in spaced relation to the top and bottom walls of said casing, inverted U-shaped baffle members, there being a baffle member interposed between each pair of trough members mounted in spaced relation to the top and bottom walls of said casing, said trough shaped members and said inverted U-shaped members having angular portions arranged in spaced confronting relation to the said plurality of surfaces and cooperating therewith to provide a zig-zag steam passage between said inlet and said outlet, and a water accumulating chamber directly beneath the bottom wall of said casing, the bottom wall of said casing having drain openings leading from said troughs to said chamber.

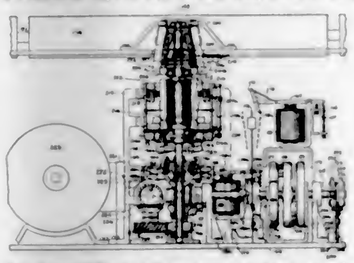
2,239,710
SYNCHRONIZING MECHANISM
James H. Gordon, Jr., Union, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 24, 1939, Serial No. 264,016
6 Claims. (Cl. 198—22)



1. In conveying mechanism for advancing cans and the like through a treating machine, the com-

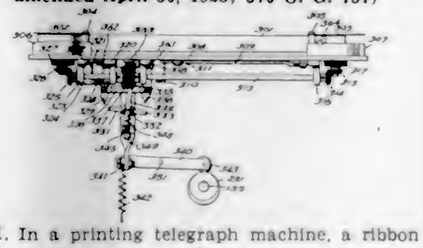
bination of an endless chain conveyor which is subject to change in overall dimension for carrying cans in processional order through the machine, a transfer device for positioning cans on said conveyor in predetermined spaced relation, and synchronizing instrumentalities including a differential gear unit engaging and adapted to be actuated by said conveyor for increasing or decreasing the rate of operation of said transfer device in order to properly place the cans in the predetermined spaced position on said conveyor.

2,239,711
PRINTING TELEGRAPH MACHINE
George A. Graham and Harry W. Parmer, Oceanport, N. J.; Nan Louise Graham, administratrix of said George A. Graham, deceased
Application September 23, 1936, Serial No. 102,178
48 Claims. (Cl. 178—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



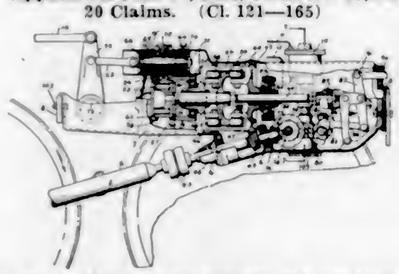
1. In a printing telegraph system, a plurality of transmitting and receiving machines, each machine being provided with means for the transmission and reception of electrical impulses in combination a transmitting distributor assembly and a receiving shuttle selector assembly; a transfer assembly responsive to said selector assembly; a type-bar-wheel assembly; a translator assembly operated by said selector assembly to establish selective printing positions of said type-bar-wheel assembly; means including rotatable elements for operating said transmitting distributor assembly and said receiving shuttle selector assembly in step by step unison, said means comprising an escapement mechanism, and a constant frequency device for positively actuating and controlling said mechanism.

2,239,712
RIBBON FEED MECHANISM FOR PRINTING TELEGRAPH MACHINES
George A. Graham and Harry W. Parmer, Fort Monmouth, Oceanport, N. J.; Nan Louise Graham administratrix of said George A. Graham, deceased
Application January 27, 1938, Serial No. 187,214
7 Claims. (Cl. 197—165)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



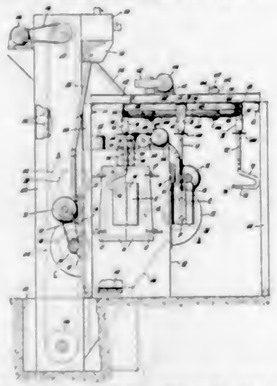
1. In a printing telegraph machine, a ribbon feed mechanism comprising a pair of carrying reels; ratchet wheels operative with said reels independently and a swiveled driving pawl alternately operative with said wheels; and means for shifting the driving pawl from engagement with the ratchet connected to the full ribbon reel into engagement with the ratchet connected to the empty ribbon reel; and means including a spring and latch element for carrying through and holding said pawl in each shifted position.

2,239,713
VALVE GEAR
Charles E. Hathaway, New York, N. Y.
Application June 27, 1936, Serial No. 87,683
20 Claims. (Cl. 121—165)



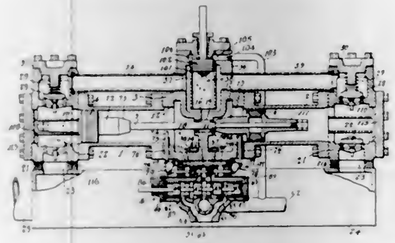
1. In a valve gear for engines, the combination with a valve, of cam means for imparting motion to the valve, said means including a cam and contactor, means for varying the relative position of the cam and contactor to vary the cut-off of the valve, and means independent of the cam means for imparting motion to the valve, said independent means being adjustable to reverse the direction of travel of the engine.

2,239,714
APPARATUS FOR ABRASIVELY TREATING METAL OBJECTS
Charles Hayward Hammell, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application January 29, 1937, Serial No. 122,908
8 Claims. (Cl. 51—9)



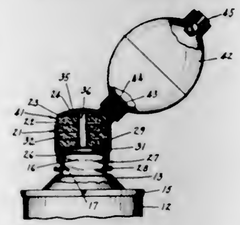
1. Apparatus for blast cleaning castings, forgings and like articles which apparatus includes, relatively fixed means for establishing a stream of abrasive particles traveling at blasting velocities, conveyor means including hangers adapted to advance articles to be cleaned through said stream in suspended position, driving means for said conveyor, control means actuated by the movement of said hangers past said control means for periodically halting said conveyor when said articles are in said abrasive stream, and means driven independently of said advancing means for rotating each of said articles before, during and after they are in said stream.

2,239,715
PUMPING APPARATUS
Aladar Hollander and Waldemar F. Mayer, Los Angeles, Calif., assignors to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application March 21, 1938, Serial No. 197,140
15 Claims. (Cl. 197—52)



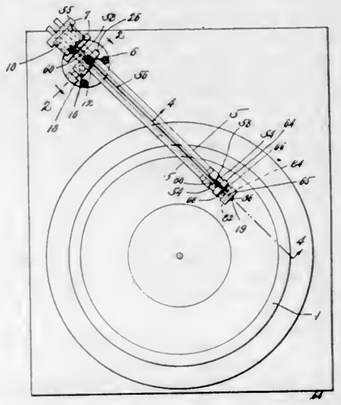
1. In a hydraulic pump, two cylinders each having a piston therein dividing it into a pump liquid compartment at one end and a motive liquid compartment at the other end, and means interconnecting said pistons for movement in unison, valve means for alternately applying motive liquid to the motive liquid compartments of said two cylinders to reciprocate said pistons, and valve means for exhausting spent motive liquid from said cylinders, valve means for admitting pump liquid to and discharging pump liquid from each cylinder in response to movement of the piston therein, and means comprising an auxiliary cylinder having a piston therein and actuated by said motive liquid only during reversal of the stroke of said first-mentioned pistons for continuing the intake of pump liquid during such reversal.

2,239,716
SPRAY NOZZLE
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 19, 1938, Serial No. 241,431
3 Claims. (Cl. 299—89)



1. A spray nozzle for a liquid insecticide can and the like, comprising a cap body adapted to be attached to a can, said cap body including an inwardly extending annular flange, an absorbent fibrous material contained within said cap body and supported at its peripheral portion by said annular flange in open communication with the interior of the can, said fibrous material being adapted to absorb a quantity of the liquid from the can when the can is shaken, a spray discharge orifice in said cap body, and connected to said cap body for pumping air through said absorbent fibrous material thereby blowing the liquid suspended therein out through said orifice in a spray of finely divided liquid particles.

2,239,717
ELECTROMECHANICAL-CONVERSION DEVICE
Frederick Vinton Hunt, Belmont, and John Alvin Pierce, Cambridge, Mass.
Application August 2, 1938, Serial No. 222,666
53 Claims. (Cl. 179—100.41)



1. Phonograph apparatus comprising a stylus adapted to be disposed in contact with the sound track of a record, a support for supporting the stylus in contact with the sound track, the support having a rear portion fixed at one end and a movable portion carried at the other end, and means for mounting the stylus at the free end of the movable portion only to constitute the movable portion the sole support for the stylus, the movable portion being shaped to prevent substantial mechanical deformation thereof in response to movement of the stylus along the sound track, and the rear portion being flexible in order that it may flex mechanically in response to movement of the stylus along the sound track, thereby to cause the movable portion to move substantially as a whole in response to movement of the stylus along the sound track.

2,239,718
COMPOSITION OF MATTER AND PELLICLES OF POLYVINYL ALCOHOL
Emmette F. Izard, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1937, Serial No. 145,116
25 Claims. (Cl. 260—42)

18. A transparent, self-sustaining film comprising polyvinyl alcohol, an amino polymer which is substantially insoluble in water and in

5% aqueous ammonia, but which is soluble in 2% aqueous acetic acid and in toluene, a moistureproofing agent, and a plasticizer.

2,239,719
HAMMER
John N. Jarrett, Toronto, Ontario, Canada
Application November 15, 1939, Serial No. 304,608
In Canada April 17, 1939
4 Claims. (Cl. 254—26)



1. A hammer comprising a head having a lateral inwardly curved bifurcate extension constituting nail drawing claws, a handle extending from said head for pivoting said head on its fulcrum to raise said claws, arms connecting said claws with said head at points substantially equidistant from the junction of said claws with said head, and spaced nail head supports carried by said arms adapted to be brought into position successively beneath the head of a nail which has been partially withdrawn by said claws on a previous movement of said handle.

2,239,720
SULPHOPOLYCARBOXYLIC ACID AMIDES
Morris Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 27, 1939, Serial No. 286,777
15 Claims. (Cl. 260—401)

1. A chemical compound corresponding to the general formula

$$R-\overset{\overset{O}{\|}}{C}-NY-(alk-NX')_n-OC-Z-CO-T$$

with $(SO_3M)_m$ on the alk group,

wherein

$$R-\overset{\overset{O}{\|}}{C}$$

is an unsubstituted acyl radical containing at least four carbon atoms, Y and X'' are members selected from the group consisting of hydrogen, alkyl, cycloalkyl and alkylol, alk is a member selected from the group consisting of hydrocarbon and substituted hydrocarbon residues, Z is the residue of an aliphatic poly-carboxylic acid, T is (1) a member of the group NHR' where R' is hydrogen, lower alkyl, hydroxyalkyl, or cycloalkyl, and (2) OY where Y is a cation, lower alkyl, cycloalkyl and aliphatic polyhydric alcohol radicals, M is a cation, and m and n are small whole numbers.

4. Chemical compounds corresponding to the general formula

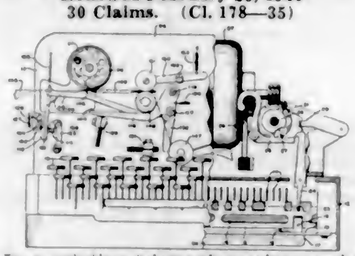
$$R-\overset{\overset{O}{\|}}{C}-NH-C_3H_5(SO_3M)-NH-OC-CH_2-CH-COOM'$$

wherein

$$R-\overset{\overset{O}{\|}}{C}$$

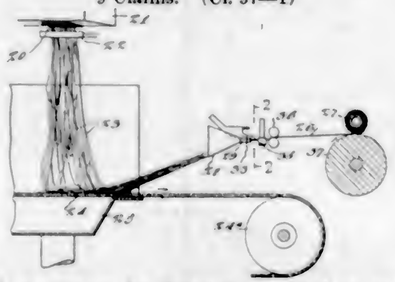
is an acyl radical containing from twelve to eighteen carbon atoms, and M and M' are cations.

2,239,721
PRINTING TELEGRAPH APPARATUS
Howard L. Krum, Beverly Hills, Calif., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 30, 1936, Serial No. 118,237
Renewed February 26, 1940
30 Claims. (Cl. 178—35)



1. In a printing telegraph receiver, a shaft, a type wheel carried by said shaft, a series of code discs affixed to said shaft, a single magnet selecting means, a plurality of seeker members selectively positionable under the control of said means for cooperation with said code discs, means for positioning said seeker members whereby the selective position of the type wheel is determined, and a printing mechanism initiated into operation under the direct control of said positioning means in response to the cooperation between said seeker members and said code discs to cooperate with said type wheel for recording.

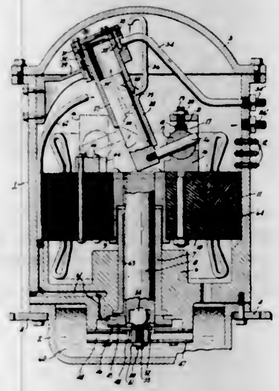
2,239,722
APPARATUS FOR MAKING SLIVER
George M. Lannan and Frank Vanucci, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application May 21, 1937, Serial No. 144,024
Renewed November 13, 1939
9 Claims. (Cl. 57—1)



1. Apparatus for forming a strand or sliver comprising means for continuously drawing a ribbon-like mat or web of fibers in the direction of its length, a shaping die through which the web is drawn and by which it is compacted into the form of a sliver, and rotating means arranged to engage a sliver after it has passed through said die and operative to lick or wipe down any loose fibers or projecting fiber ends and thereby form a smooth sliver.

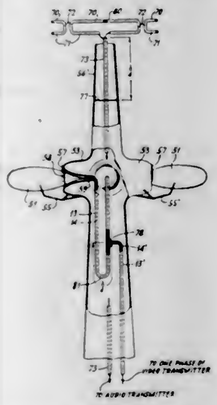
2,239,723
HERMETIC ROTARY-RECIPROCATING COMPRESSOR UNIT
Sylvester A. Limpert and Alexander S. Limpert, Bay Shore, N. Y.
Application June 8, 1938, Serial No. 212,486
19 Claims. (Cl. 230—175)

1. In a compressor unit, the combination comprising hermetically sealed housing having a fluid chamber therein, co-operating piston and cylinder compressor elements mounted in said housing, means for affording periodic communication between said chamber and said cylinder during the operation of the compressor, an electric motor, including a rotor member, mounted in said



housing, means, including a reciprocable slide member for loosely connecting one of said compressor elements to said rotor whereby upon rotation of the latter said compressor element so connected thereto is caused to simultaneously rotate and reciprocate with respect to said other compressor element.

2,239,724
WIDE BAND ANTENNA
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 18, 1938, Serial No. 208,573
54 Claims. (Cl. 250—33)



1. An antenna system comprising a number N of radiating elements disposed radially about a central point in a common horizontal plane, each radiating element spaced substantially

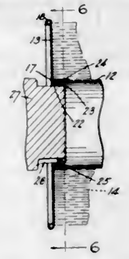
$$\frac{360}{N}$$

degrees from adjacent radiating elements, each of said radiating elements comprising a central conductor element having a transverse dimension which is a large fraction of the operating wave and an outer shell surrounding a portion of each of said conductors at their adjacent ends, said central conductor extending radially outward beyond the end of said outer shell, the over-all length of each of said radiating elements including the exposed portion of said central conductor and the over-all length of the shell being substantially equal to a quarter of the length of the operating wave, the capacitive reactance C of said exposed portion and the inductive reactance L of said shell portion being so related that

$$\sqrt{\frac{L}{C}}$$

as nearly as possible approaches R, the radiation resistance of each component of said antenna.

2,239,725
SPOOL
Nicholas Loesel, Richmond Hill, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 12, 1938, Serial No. 207,600
3 Claims. (Cl. 242—123)

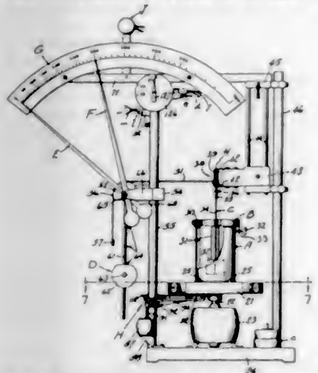


1. A sheet metal spool comprising a tubular core having an end thereof bent inwardly to provide an internal curl which is substantially circular in cross section, and a spool head having a central opening defined by an axially extending flange having tight engagement inside of said core curl, the inner end of said flange terminating in a head curl of substantially circular cross section, said head curl extending first outwardly and thence inwardly relative to the axis of the core and interlocked with said core curl to permanently unite said head with said core.

2,239,726
DEVICE FOR MEASURING CONSISTENCY OF A PRODUCT
William McK. Martin, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 11, 1938, Serial No. 184,463
10 Claims. (Cl. 265—11)

1. An apparatus for measuring consistency phases of liquid and semi-liquid products, comprising in combination a paddle element insertable in the product leaving it undisturbed, means including a turntable device for supporting and rotating the product to transmit movement thereof to said paddle element, oscillatory instrumentalities connected with said paddle element and responsive to the force of gravity to apply a pull on said paddle element which is counter to the rotating forces imposed by the rotating product, means actuated by said turntable device for

timing the duration of rotation of said product,



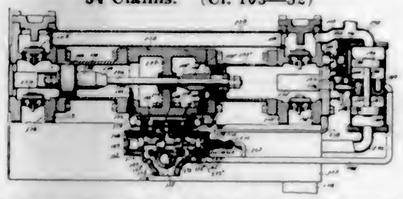
and means for registering the amount of said pull as a phase of consistency of the product.

2,239,727

PUMPING APPARATUS

Waldemar F. Mayer, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application March 21, 1938, Serial No. 197,142
34 Claims. (Cl. 103—52)



1. In combination: a fluid-actuated pump responsive to motive fluid under pressure for delivering a pulsating flow of pump fluid, said pump having motive fluid inlet and outlet connections and pump fluid inlet and outlet connections; piston means having a face communicating with said pump fluid outlet connection and movable in a first direction to absorb pump fluid from said pump fluid outlet connection, and movable in the opposite direction to discharge pumped fluid into said pump fluid outlet connection, and means for applying, only during intervals of minimum flow of said pump, a force to said piston means opposing and exceeding the force normally exerted by pump fluid thereon during intervals of maximum flow of said pump, to move the piston in said opposite direction and supplement the pump discharge during said intervals of minimum flow, said piston means moving in said one direction under force of discharge fluid to absorb discharge fluid from said pump during intervening intervals.

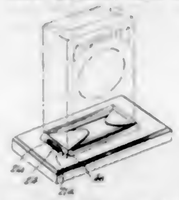
2,239,728

PACKAGE HOLDER

Joseph P. McEnery, New York, N. Y.

Original application January 18, 1939, Serial No. 251,507. Divided and this application December 8, 1939, Serial No. 308,123
7 Claims. (Cl. 248—350)

7. A holder for packages having a bottom passageway comprising a base having parallel guides to receive the bottom of said package, and a tongue pivotally supported by said base for movement in a plane parallel to said base from between said guides, and means on said



base for engagement with the swinging end of said tongue when the latter is located between said guides.

2,239,729

LIFTING MECHANISM

Joseph J. Mizer, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin

Application May 3, 1940, Serial No. 333,183
3 Claims. (Cl. 254—133)



1. In combination, a load carrying vehicle wheel having a tire and having in the outer face of the wheel a recess which is substantially concentric with the wheel and the marginal surface whereof extends outwardly toward the outer face of the wheel, a detached adapter formed to operatively engage under said marginal surface, and a detached jack having a base adapted to rest upon the road surface, a column extending upwardly from and supported by the base and a head on the column formed to operatively engage said adapter so as to apply a lifting force to said wheel through said adapter, said jack having means associated therewith to positively hold said adapter in engaging relation to said marginal surface during said lifting action.

2,239,730

ANTISKID DEVICE

George E. Moore, Dearborn, Mich.

Application March 21, 1938, Serial No. 197,264
4 Claims. (Cl. 152—213)



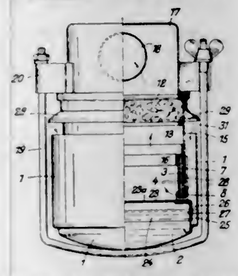
1. An antiskid for use with a wheel having a body with an opening therethrough, a rim and a tire, said antiskid comprising a tread portion adapted to extend outside the tread of the tire and a strap portion adapted to extend inside the rim and be detachably connected to the inboard and outboard ends of said tread portion, said strap portion being generally semi-circularly shaped to adapt the same to be passed longitudinally through the wheel body opening from the outboard side of the wheel body and then along the inboard sides of the rim and tire, said strap portion also having a length to extend from the outboard side of the wheel body to the zone of the tire tread to adapt the same to be detachably connected to the inboard end of said tread portion in the zone of the tire tread.

2,239,731

PURIFIER FOR GASES OR VAPORS

Willy Neumann, Siedlung Ladeburg, near Bernau, Germany

Application July 7, 1937, Serial No. 152,350
In Switzerland August 10, 1936
5 Claims. (Cl. 183—15)



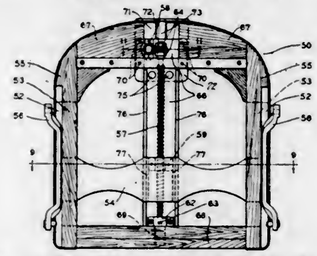
1. In a filter for air and other gases, a cup like member constituting a liquid carrying reservoir, a bell of less diameter and depth than the cup member supported in inverted position in the cup member with the open end engaged in the liquid therein and dividing the cup member into two concentric chambers with the liquid in the outer chamber exposed to the cup member and the outer chamber in communication with the inner chamber below the level of the liquid, a cylindrical filtering element of less diameter than the cup member engaged at one end upon and extending upwardly from the bottom of the bell, a sleeve engaged upon and in contiguous covering relation to the filtering element extending to adjacent the lower end thereof and the uncovered portion of the filtering element constituting a restricted inlet into the filtering element for the air to be filtered, said sleeve and filtering element defining with the side wall of the cup member an air inlet passage leading into the top of the cup member and open to the surface of the liquid in the outer chamber, and the air flowing through said passage adapted to impinge upon and set up undulating movement and splashing of said liquid to effect separation of foreign substances from the air and flush the inlet portion of the filtering element opening to said passage, a hood mounted on the sleeve adapted for connection of means to induce a flow of air into and through the inlet passage and filtering element, and a second filtering element supported at the upper end of the sleeve between the hood and sleeve and forming with said sleeve and the first filtering element a chamber at the rear of the first filtering element above the bell for the passage therethrough of air passing through the first filtering element to the second filtering element.

2,239,732

ADJUSTABLE CHAIR

Joseph B. Newhardt, Berwyn, Ill., assignor of one-third to Charles H. Angell, Mount Prospect, Ill., and one-third to Fred J. Gervais, Western Springs, Ill.

Application February 24, 1937, Serial No. 127,497
7 Claims. (Cl. 155—158)



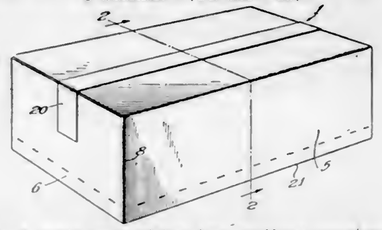
3. In combination with a chair back movably mounted on supporting means therefor comprising brackets disposed adjacent and outside opposite sides of the back and a member projecting through a slot provided in each side of the back to engage said brackets, a mechanism for lifting and lowering the back in relation to the brackets by rotation of a crank provided on the back, a portion of said mechanism being attached to and housed within the back and another portion thereof being attached to said supporting means, the first named portion serving to operatively connect the crank with the second named portion and comprising a rotatable threaded member meshed with a complementary member to retain the back in the position selected.

2,239,733

EGG CRATE

Kitchener K. Newsom, San Francisco, Calif.

Application January 8, 1937, Serial No. 119,570
8 Claims. (Cl. 229—43)



1. A crate comprising two sections constructed of fibrous board, one of said sections comprising side walls and a bottom, and the other of said sections comprising side walls and a top, the last mentioned of said sections being adapted to embrace the first mentioned section in a telescopic manner with the respective side walls of each section disposed adjacent each other, the bottom portions of the side walls of said embracing section being reverse folded to planes adjacent the inner faces of said walls, means for securing said folded side walls to the inner faces of said side walls, said folded portions serving as spacers for spacing the side walls of the embracing section from the side walls of the embraced section.

2,239,734

CABINET SHELF CONSTRUCTION

Don W. Pratt, Santa Monica, Calif.

Application August 9, 1938, Serial No. 223,846
2 Claims. (Cl. 312—152)

1. In combination with a cabinet or the like

which extends along contiguous side walls and in the corner formed thereby, an upper and a lower supporting bracket, a standard at the forward edge of the cabinet and substantially on the line of the corner intersection, a plurality of drawers mounted to swing independently on the axis of said standard, said drawers having outer circumferential walls concentric with the axis of the standard, and radial walls adapted to coincide with the planes of the front of the cabinet when the drawer is closed, a plurality of spacer collars



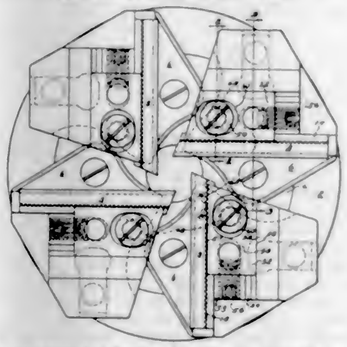
between adjacent drawers, and means detachably securing said standard in its operative position with its relation to the cabinet, said means comprising a pair of vertical pins positioned within sockets at each end of the standard, the lower of said pins being vertically movable and having a transverse slot normally engaging a key in the lower supporting bracket, the upper of said pins being adapted to be moved vertically to clear the upper bracket whereby the drawers and the standard may be removed from their operative position.

2,239,735

THREAD CUTTING MECHANISM

Charles A. Reimschissel and Edwin M. Eigenbrode, Waynesboro, Pa., assignors to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Application January 4, 1939, Serial No. 249,325
32 Claims. (Cl. 10—104)



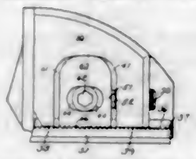
1. A chaser assembly for use in thread-cutting machines, comprising; a chaser holder having chaser seating surfaces and a clamp seating surface thereon; a chaser mounted on said holder and having seating surfaces coacting with said chaser seating surfaces of said holder, a clamping surface, and a forwardly projecting portion; a chaser clamp adjustably mounted on said clamp seating surface and having a clamping surface engaging said chaser clamping surface; interfitting means on said clamp and said forwardly projecting portion of said chaser; a chaser seating surface on said clamp adapted to engage portions of said chaser interfitting means and support said forwardly projecting portion of said chaser when said chaser is clamped to said holder by said clamp.

2,239,736

CHASER AND CHASER HOLDER ASSEMBLY

Charles A. Reimschissel and Edwin M. Eigenbrode, Waynesboro, Pa., assignors to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Application January 4, 1939, Serial No. 249,324
18 Claims. (Cl. 10—104)



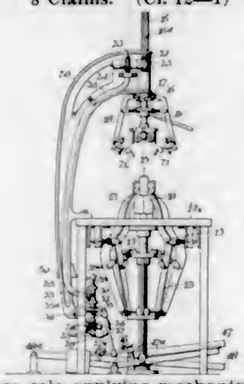
1. A chaser assembly comprising a holder having chaser seating surfaces and a clamp surface thereon; a tangential chaser seated on said seating surfaces and having threading serrations on a face thereof inclined with respect to its longitudinal axis; a clamp for clamping said chaser to said holder; interfitting means on said clamp and said chaser; and adjustment means on said holder and engaging said clamp for longitudinally adjusting said chaser and said clamp, bodily as a unit, along said holder.

2,239,737

SHOE SOLE LAYING MECHANISM

John Milton Rohrer, Orwigsburg, Pa.

Application October 10, 1938, Serial No. 234,321
8 Claims. (Cl. 12—1)



1. In shoe-sole-applying mechanism, the combination with means for supporting a lasted upper in pulled-over and stretched condition; such upper having a portion projecting above the last, of a vertically movable frame arranged for movement toward and from the lasted upper for the purpose of applying a sole to the same, a series of swinging levers carried by said frame and arranged for movement into and out of operative relation with respect to the lasted upper, a series of individually pivoted and tensioned wiping fingers carried by each of said levers, means for moving said fingers outwardly across

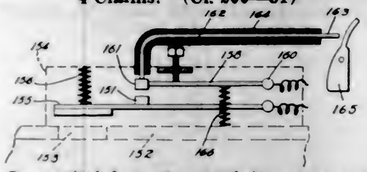
the lasted upper to outturn the projecting portion of the same, a vertically disposed shaft or spindle supporting said frame, a fixed standard in which said shaft or spindle is movably mounted, and motor means including a rack element and a pinion engaging the same for raising and lowering said shaft or spindle.

2,239,738

MOTOR REGULATOR

Percy Russell, Wilmington, Del.

Application April 27, 1937, Serial No. 139,121
4 Claims. (Cl. 200—81)



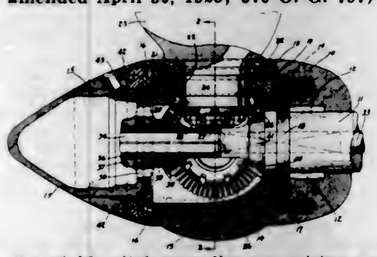
1. In a switch for motor regulation, a vane, means resiliently supporting the vane, a contact on the vane, a relatively fixed contact, said resilient means urging the vane toward contact opening position, and means for adjusting the relatively fixed contact to vary the tension of the resilient means at which the respective contacts engage.

2,239,739

VARIABLE PITCH PROPELLER

Robert J. Ruths, Baltimore, Md., and Harry L. Dodson, United States Navy

Application January 3, 1940, Serial No. 312,224
2 Claims. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



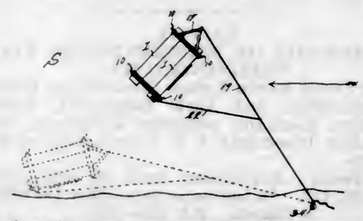
1. A variable pitch propeller comprising a main drive shaft; a hub carried by said shaft, said hub embodying a forward portion keyed to said drive shaft, a unitary intermediate portion fixed to said forward portion and an after streamlined cap portion fixed to said intermediate portion; and said drive shaft having a circumferential groove therein; a multipart thrust collar engageable with said groove and clamped between the forward and intermediate portions of said hub for preventing axial movement of said hub; a plurality of blades having root portions mounted in the intermediate portion of said hub for free rotation about radially extending axes completely throughout 360° in opposite directions to vary the pitch thereof; a bevel gear fixed to the inner end of each of said root portions; a quill shaft extending through and rotatable in said drive shaft and having its after end rotatably and slidably journalled in the after cap portion of said hub; a bevel pinion slidably keyed to the after end of said quill shaft and meshing with each of said bevel gears; and a second bevel pinion rotatably mounted on said drive shaft for engagement with said bevel gears and diametrically opposed to said first mentioned bevel gear to uniformly transmit power from one of said bevel gears to another.

2,239,740

WATER MOTOR SUPPORTING FLOAT

Nicholas J. Schlachter, Gettysburg, S. Dak.

Application May 16, 1939, Serial No. 273,979
4 Claims. (Cl. 114—0.5)



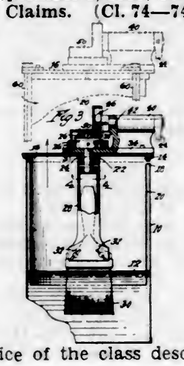
2. A water motor supporting float, comprising a pair of relatively long pontoons disposed in spaced parallel relation, beam members extending transversely of the pontoons and securing the same in said relation, a vertically disposed tubular post secured to each end of each beam adjacent each end of each pontoon to extend upwardly from the beam, an anchor post extending through each tubular post and held for longitudinal movement therein, each of said anchor posts including a longitudinally extending rack gear, a pinion mounted in each tubular post and coupled with the adjacent rack gear, means for rotating the pinion, shiftable means for maintaining said pinion against accidental rotation, a cable coupled at one end with said pontoons at one end of the float, the other end of the cable being designed for connection to a fixed body upon the shore of a stream in which the float is located, a check cable connected at one end with said first cable, means upon the other end of the structure and adjacent one side thereof for winding up said check cable, a board disposed longitudinally of one side of one pontoon and supported for vertical movement, and means for effecting the vertical movement of the board for its extension into the stream below the bottom of the pontoon and its removal therefrom.

2,239,741

DEVICE FOR CLEANING AND MIXING PAINT AND THE LIKE

John E. Schroder, Worcester, Mass., assignor of one-half to Wesley E. Mellquist, Worcester, Mass.

Application September 5, 1939, Serial No. 293,447
3 Claims. (Cl. 74—74)



1. In a device of the class described, a plate,

a shaft journaled in said plate and having a gear fixed thereto at one end and an element fixed thereto at its other end, an interrupted gear in intermittent mesh with said first gear, means to rotate said interrupted gear, a long resilient member fixed to said first gear and to a fixed point and wound a plurality of times about said shaft, a lug on said element, and an adjustable abutment in the path of said lug, whereby the idle position of said first gear may be adjusted.

2,239,742

PREPARATION OF PREGNENDIONES FROM PREGNENOLONES

Arthur Serini, Berlin, Lothar Strassberger, Berlin-Wilmersdorf, and Adolf Butenandt, Berlin-Dahlem, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application April 10, 1939, Serial No. 267,183. In Germany September 15, 1934

8 Claims. (Cl. 260—397)

1. Process for the manufacture of pregnendiones of the formula $C_{21}H_{30}O_2$, comprising converting pregnenol-3-one-20 of the formula $C_{21}H_{32}O_2$ into monohalogenated pregnanolone by treatment with a hydrogen halide to add the elements of such acid at the double bond, reacting the monohalogenated pregnanolone with an agent capable of oxidizing an alcohol group to a keto group, and then treating the reaction product with an agent capable of splitting off the hydrogen halide to restore the double bond.

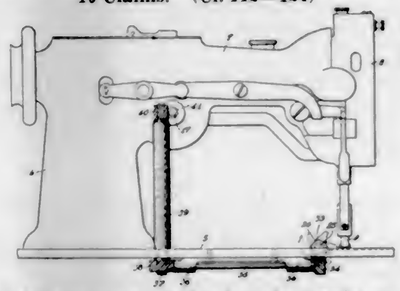
2,239,743

TRIMMING DEVICE FOR SEWING MACHINES

Victor J. Sigoda, Brooklyn, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York

Application January 31, 1938, Serial No. 187,847

10 Claims. (Cl. 112—124)



1. In trimming mechanism for sewing machines, a rotatable cutter having a plurality of spaced cutting teeth, and means for mounting said cutter with the teeth thereof moving in a path which intersects an edge of the fabric material at an angle relative to the path of feeding movement of the material to the stitch forming mechanism of the machine.

2,239,744

THERMAL TREATMENT FOR ALUMINUM BASE ALLOYS

Dana W. Smith and William L. Fink, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application May 26, 1939, Serial No. 275,874

7 Claims. (Cl. 148—11.5)

3. A method of working spontaneously age-hardened aluminum base alloys, which comprises treating said alloys for a period of from a few seconds to about 5 minutes from a temperature of from about 225° C. to about 300° C., subjecting said alloys to fabrication steps, and then age-hardening said alloys.

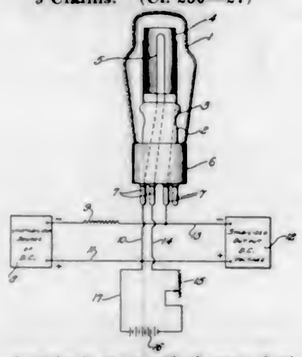
2,239,745

ADJUSTABLE CONSTANT VOLTAGE SPACE DISCHARGE TUBE

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application June 22, 1938, Serial No. 215,147

9 Claims. (Cl. 250—27)



1. An electrical space discharge device comprising an envelope containing an ionizable gas filling, a cathode operating throughout substantially its entire normal operation with a glow discharge below temperature of substantial thermionic emission and having a substantially constant voltage drop for all values of discharge current within a predetermined range, an anode receiving a flow of electrons from said cathode during operation, said gas being at a pressure at which substantial ionization occurs upon the occurrence of said flow of electrons, and means for varying the anode voltage drop from the value of the anode drop in absence of said means.

2,239,746

OPHTHALMIC MOUNTING

Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application March 24, 1938, Serial No. 197,838

7 Claims. (Cl. 88—47)



1. In a device of the character described for use with lens holding means having a portion shaped to overlie a face of the lens and a portion shaped to overlie an edge of the lens, a plurality of resilient sections having openings therein which may be aligned, and a pin member in said openings, means interrelating said resilient sections with said pin member so as to provide an assembly that may be handled as a single unit and that may be positioned in desired relation with the portion of the lens holding means which is to overlie the edge of the lens and be held in said relation by heat joining said pin member to said portion.

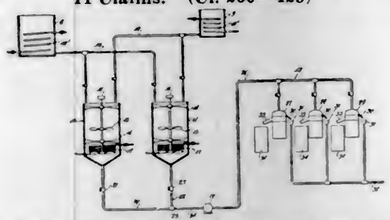
2,239,747

PROCESS OF REFINING OIL

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Application February 25, 1938, Serial No. 192,654

11 Claims. (Cl. 260—425)



1. The method of refining animal and vegetable oils containing free fatty acids, which comprises: adding an alkali refining reagent to said oil in an amount sufficient to form an emulsion, neutralize the free fatty acids and reduce the color of the oil, but substantially less than that necessary when the soap stock is settled from the oil and insufficient to cause excessive saponification of neutral oil and beating of the soap stock back into the oil under prolonged agitation while the oil is in a heated condition; agitating said oil and reagent to mix the same; heating the mixture to break said emulsion while continuing sufficient agitation to cause the remaining color impurities to combine with the resultant soap stock; continuing agitation of the heated mixture in a relatively large vessel at a rate sufficient to prevent stratification of the mixture; withdrawing a stream of said mixture from said vessel during said continued agitation; delivering the same to a centrifugal separator; and separating said soap stock from said oil.

2,239,748

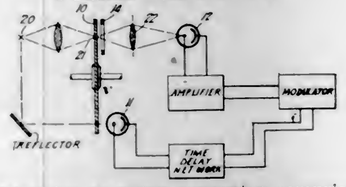
TELEVISION SCANNING APPARATUS

Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 5, 1936, Serial No. 109,206

In Germany May 17, 1936

4 Claims. (Cl. 178—7.1)



1. Television scanning apparatus comprising a Nipkow disc having spaced scanning apertures of elemental size, an optical window, photoelectric means located adjacent said optical window and adapted to be responsive to light values passing through the picture aperture within said picture frame space, photoelectric means for developing synchronizing impulses, said latter means being spaced apart from said picture signal developing photoelectric means by a predetermined angular spacing, and a time delay means responsive to signals developed in said synchronizing photoelectric means for delaying the mixing of the picture and synchronizing signals developed by each scanning aperture for a definite interval.

2,239,749

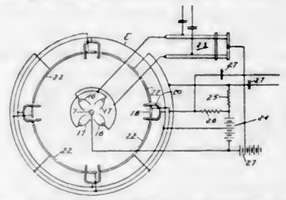
ELECTRON BEAM TUBE

Arthur A. Varela, Washington, D. C.

Application April 24, 1939, Serial No. 269,709

3 Claims. (Cl. 250—150)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A beam vacuum tube, comprising a linear cathode, four grid members substantially parabolic in transverse cross section symmetrically disposed about and with their length parallel to said cathode, a plurality of anode plates spaced equidistantly from said cathode and each disposed parallel to said cathode opposite a space between two grid members, a radially inwardly opening U-shaped suppressor member disposed around each of said anode plates, and a transversely arcuate anode member disposed between each two of said anode plates, the grid members on opposite sides of said cathode being connected together, said anode plates being connected together and said anode members being connected together, whereby when said grid members, said anode members and said anode plates are properly biased the electrons from said cathode are caused to travel in beams to said anode plates, and when a varying signal potential is applied to said pairs of grid members the said beams are caused to shift between said anode members on opposite sides of said anode plates.

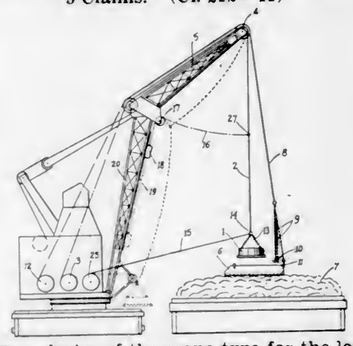
2,239,750

DEVICE OF THE CRANE TYPE FOR THE LOADING AND UNLOADING OF MAGNETIC MATERIALS

Francis H. Weeks, Haworth, and Richard B. Weeks, Rutherford, N. J.

Application February 3, 1940, Serial No. 317,112

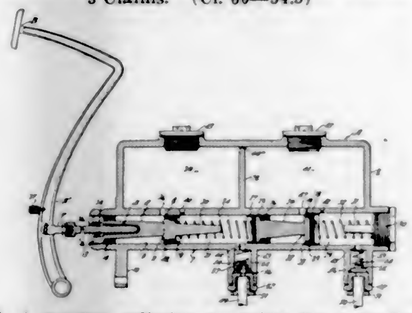
5 Claims. (Cl. 212—41)



1. In a device of the crane type for the loading and unloading of magnetic materials, the improvement comprising a loading magnet, a hoisting cable for said magnet, a loading receptacle, a hoisting cable for said receptacle, both said hoisting cables being suspended from a common crane arm in proximity to one another, and means for independently actuating each of said hoisting

cables, said magnet and said magnet hoisting cable being wholly independent of said loading receptacle and said receptacle hoisting cable to permit the free lateral movement of said magnet and said receptacle hoisting cable independent of each other.

2,239,751
HYDRAULIC BRAKE SYSTEM
Louis W. Kritzer, Minneapolis, Minn.
Application March 14, 1938, Serial No. 195,750
3 Claims. (Cl. 60—54.5)



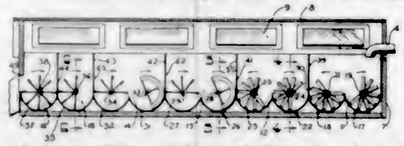
1. A master cylinder assembly for actuating two separate pressure responsive hydraulic brake motor means, comprising a housing having an elongated bore with one portion thereof enlarged in diameter, separate and normally unconnected pistons movably mounted in portions of the bore which have different diameters and defining fluid chambers of different cross sectional areas therein, fluid carrying means for connecting one chamber and one motor means and for connecting the other chamber to the other motor means, and means responsive to movement of one piston in one direction for moving the other piston in the same direction only, the piston operating in the larger portion of the bore having an extension into the smaller portion of the bore.

2,239,752
METHOD OF LUBRICATION
Arthur Walther Lewis, Elizabeth, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application April 2, 1937, Serial No. 134,516
3 Claims. (Cl. 252—50)

1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydrocarbon oil of a character normally tending to corrode said bearings and having incorporated therein corrosion inhibiting proportions of benzo nitrile.

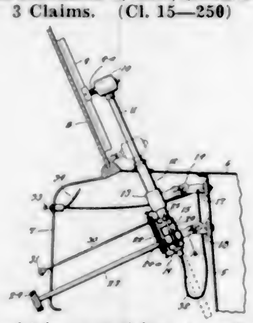
2,239,753
PRECIPITATION OF CELLULOSE COMPOUNDS
Herbert E. Martin, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application May 13, 1938, Serial No. 207,696
2 Claims. (Cl. 260—230)

1. Process for recovering a stable derivative of cellulose, selected from the group consisting of cellulose esters of lower aliphatic acids and cellulose ethers, from solution which comprises bringing the solution gradually to the point at which the cellulose derivative is precipitated, by three successive additions of mixtures of a precipitant and a solvent for said derivative, the first of said additions being a 30% mixture of the solvent in the precipitant, the second addi-



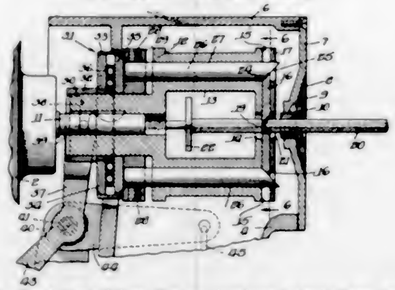
tion being a 20% mixture of the solvent in the precipitant and the third addition being a 10% mixture of the solvent in the precipitant, and hardening the precipitated derivative by further addition of such a mixture comprising a 10% mixture of the solvent in the precipitant.

2,239,754
WINDSHIELD WIPER
Antonio Marti, Hartford, Conn.
Application December 1, 1939, Serial No. 307,006
3 Claims. (Cl. 15—250)



3. In a vehicle comprising a cowl board and windshield, a wiper including mechanism having a sleeve extending through said body with its axis parallel to said windshield, a bracket secured to said cowl board, means on said sleeve for adjustably securing the same to said bracket, a motor slidably carried by said mechanism, and a wiper blade operated by said motor in engagement with said windshield.

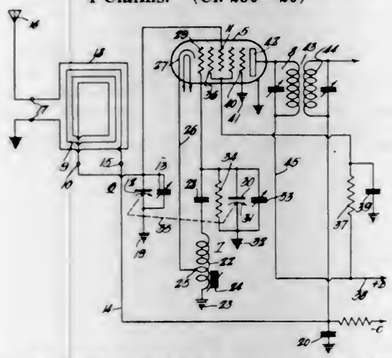
2,239,755
WIRE STRIPPING MACHINE
Robert J. Montgomery, Chicago, Ill.
Application April 13, 1937, Serial No. 136,631
Renewed August 10, 1939
5 Claims. (Cl. 81—9.51)



1. In a machine for stripping insulation from wire, the combination of a driving motor having

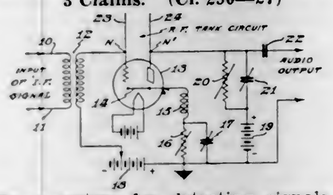
an operating shaft, a disk-like member mounted on said shaft having three radial guideways separated by substantially equal angles from center to center, knives slidable in said guideways to and from the axis of rotation of said member and having their cutting edges arranged in planes angularly offset relative to each other, and means operable during rotation of said member simultaneously to slide the knives inwardly in their guideways toward the axis of rotation of said member.

2,239,756
SUPERHETERODYNE RECEIVER
James M. Riddle, Jr., West Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1939, Serial No. 276,547
4 Claims. (Cl. 250—20)



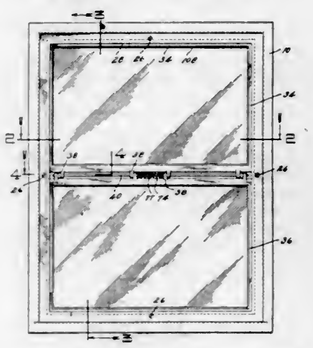
1. In a superheterodyne radio receiving system, the combination with a tunable signal input circuit, of a tunable oscillator circuit comprising a main tuning inductance, a variable tuning capacitor unit operable to tune said first-named circuit and the oscillator circuit conjointly and including an oscillator tuning section having a stator element connected with said inductance, a series combined tracking and grid capacitor in said connection, a grid leak resistor connected with said variable tuning capacitor stator element, and means providing a connection for an oscillator grid directly with said stator element, said first-named capacitor having a capacity value of the order of the maximum capacity of the main tuning capacity unit, whereby it functions both as a grid blocking capacitor and as a tracking capacitor, and said grid leak having a relatively low value as a bias potential supply means.

2,239,757
SIGNAL DETECTING SYSTEM
Royden C. Sanders, Jr., Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 2, 1940, Serial No. 312,055
3 Claims. (Cl. 250—27)



1. In a system for detecting signals of the frequency modulated type, the combination of an oscillator generator provided with control grid and anode circuits, means for biasing said control grid circuit to a potential sufficient to produce oscillations only in response to different cycles of said signal, and means for quenching said oscillations within a time which is independent of the frequency of the received signal.

2,239,758
WINDOW STRUCTURE
William C. Scherer, Detroit, Mich.
Application April 21, 1937, Serial No. 138,223
10 Claims. (Cl. 189—67)

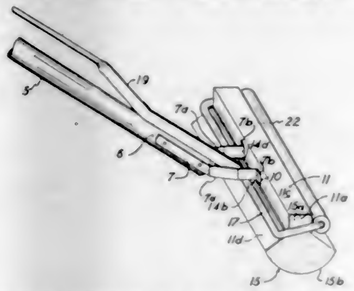


1. A window construction comprising, in combination, a window frame composed of inner and outer metal rectangular frame sections each having an inwardly projecting flange along their adjacent edges extending around the window opening at least on three sides thereof, means extending through said flanges securing said frame sections together, insulating means between said flanges insulating the frames from one another, sealing material supported by the flange of the outer frame section having the sealing surface thereof facing outwardly of the plane of the window opening, sash guiding tracks formed on opposite sides of the outer frame section and extending alongside of its respective flange, a sash having one end thereof slidably and pivotally engaged with said guiding tracks while the other end thereof is free to swing outwardly laterally of the plane of the window opening, and a link connecting the sash to the outer frame member to support the sash in outward laterally projecting position, said sash adapted in closed position to lie within the plane of the outer frame section in contacting engagement with the sealing surface of said material.

2,239,759
CROTCH BEARING MOP
George F. Schulenburg, St. Louis, Mo.
Application January 3, 1939, Serial No. 249,062
6 Claims. (Cl. 15—119)

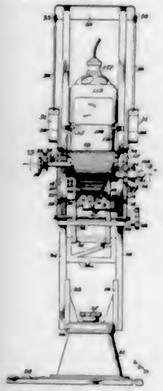
3. A mop assembly comprising a mop head, a handle structure extending rearwardly therefrom, a downwardly and rearwardly disposed press plate on said mop head below said handle structure, a compressible mop carried by the mop head having a mopping portion disposed in front of the press plate and extending forwardly beyond the head, a presser structure surrounding the head including a pivot bar having bearing engagement with and located between the handle structure and press plate, a presser

member on the presser structure located at the front of the head above said mopping portion,



and means operable to turn the pivot bar to depress said presser member against the mop.

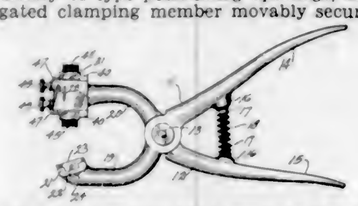
2,239,760
PHOTOGRAPHIC ENLARGER
Rudolph Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers Inc., Long Island City, N. Y., a corporation of New York
Application February 1, 1940, Serial No. 316,729
11 Claims. (Cl. 88—24)



1. A photographic enlarger comprising a support, a movable carriage thereupon having a light source, a condenser unit, an enlarging lens in fixed relation to said condenser unit, a laterally rotatable negative holder having separable elements to hold the negative between them intermediate said condenser unit and lens, mechanism to vary the distance between said negative holder and, respectively, said condenser unit and lens, means to tilt said holder, and means to clamp said holder elements together.

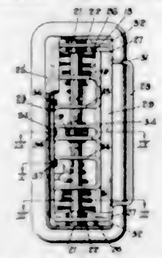
2,239,761
BRANDING TOOL
Ernest G. Stone, Denver, Colo., assignor to O. M. Franklin Serum Company, Denver, Colo., a corporation of Colorado
Application August 17, 1940, Serial No. 353,025
5 Claims. (Cl. 101—20)

1. In a branding instrument of the tattoo type having two pivotally connected levers corresponding ends of which form handles and jaws, one of the jaws having a cylindrical projection; a stamp head having an opening for the reception of the projection, said stamp head having at least one elongated plane surface, an abutment extending along one edge thereof, the abutment having a plurality of type positioning openings, and an elongated clamping member movably secured to



the side of the stamp head opposite the flange, the clamping member having a type engaging portion extending over the plane surface in spaced relation thereto.

2,239,762
SUCTION CLEANING APPARATUS
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 24, 1939, Serial No. 263,841
4 Claims. (Cl. 15—7)

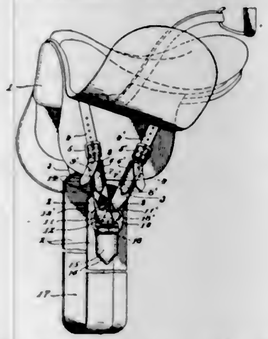


1. In a suction cleaner, the combination of a nozzle structure having opposed lips for defining an inlet opening for dust-laden air, one of said lips being formed with a pair of recesses adjacent the ends thereof, a pair of sockets in the inlet opening at the opposite ends thereof, bearings carried in said sockets, a rotatable brush journalled in said bearings, and a wire frame guard comprising a side member pivoted to the nozzle structure along one of said lips, end members extending from the ends of the side member to the opposite lip and engageable with said bearings to retain the same within said sockets, latch portions connected to the respective end portions and adapted to be sprung into and out of said recesses, a handle portion connected to one of said latch portions and extending exteriorly of the nozzle so that it may be engaged to remove the latch portion from the recess, and guard fingers attached to said side member and extending across said inlet opening.

2,239,763
VINYL ESTERS
Walter Julius Toussaint, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 1, 1938, Serial No. 216,916
7 Claims. (Cl. 260—498)

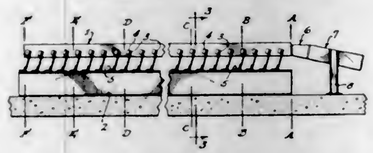
1. Process which comprises reacting acetylene with a carboxylic acid in the presence of a mercury compound of acetylene disulfonic disulfuric acid.

2,239,764
SADDLE AND GIRTH CONNECTOR
Louis M. Vordemberge, Baltimore, Md.
Application April 6, 1938, Serial No. 200,288
2 Claims. (Cl. 54—23)



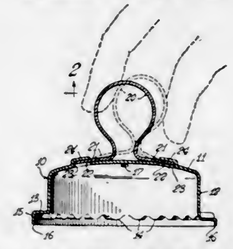
2. A girth of the class described having means for engaging the same to a saddle structure, the same comprising elastic strap members, the said members assuming the formation of a V when in operative position of attachment to the saddle structure, the upper ends of the straps as to each end of the V formation being fixed relatively to each other, the lower portions of the straps forming the inverted apex of the V formation being in sliding engagement, and in spaced relation, as to each other, with means fixedly engaged to the girth at a point below the end portion of the girth.

2,239,765
ELONGATED VIBRATORY CONVEYER
Hugh E. Wurzbach and Clyde H. Konold, Magna, Utah
Application March 15, 1940, Serial No. 324,136
18 Claims. (Cl. 198—220)



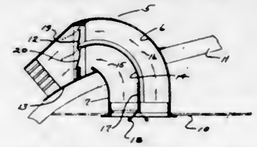
1. An elongated vibratory conveyer which comprises: a base; a unitary conveyer body having at least one portion whose length is greater than thirty feet; a plurality of spaced cantilever supports mounted on said base and connected to said body in supporting relation thereto at longitudinal intervals throughout the length of said body for supporting said body relative to said base; and vibratory motor means operatively associated with said body and adapted to impart a vibratory conveying motion thereto at a predetermined frequency in a direction having a substantial component along the length of said body, said vibratory motor means constituting the sole means for imparting vibratory conveying motion to said one portion and being attached to said body at one or more positions, one of which is at one end of said one portion and each of which is spaced more than 30 feet from the other end of said one portion, the cantilever supports connected to said one portion adjacent said other end thereof being stiffer than the supports connected to said one portion adjacent said one end thereof.

2,239,766
CULINARY TOOL
William C. Zabel, Chicago, Ill.
Application April 19, 1940, Serial No. 330,449
1 Claim. (Cl. 107—49)



A cutter of the class described in the form of a unitary body of substantially cup-shape including a top wall having means providing attachment for a handle and having an integral depending cylindrical wall portion terminating in an outwardly projecting flange portion extending circumferentially of said cylindrical wall portion and having a series of unbroken undulations providing mold formations, said flange portion being provided with an annular cutting rim extending circumferentially and coaxially of said flange and cylindrical wall portion, and a handle for said body.

2,239,767
VENTILATOR
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application December 16, 1939, Serial No. 309,601
6 Claims. (Cl. 98—19)

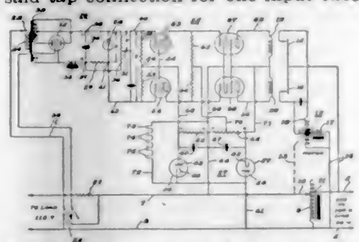


1. A ventilator for a passenger vehicle comprising upper and lower walls extending upwardly through the roof of, and then down towards a side of, the vehicle, a partition extending between said walls and dividing the space therebetween into upper and lower compartments, and a damper adjacent the inner end of said ventilator and in the lower of said compartments for closing off same.

2,239,768
CONSTANT SUPPLY SYSTEM FOR PHOTOELECTRIC APPARATUS AND THE LIKE
Maurice Artzt, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 21, 1937, Serial No. 180,982
2 Claims. (Cl. 171—119)

1. In a regulated power supply system, a control circuit comprising in combination, an amplifier having a balanced input circuit and two amplifier tubes having control grids connected therewith in balanced relation, a rectifier connected with said system for rectifying a voltage established in the output circuit thereof, a pair of parallel connected output circuits for said rectifier including a voltage regulator device and a resistor serially in one circuit and a resistor hav-

ing a tap in the other circuit, and means for establishing an input connection for said amplifier with said tap connection for one input tube grid



and with a tap connection between said regulator device and series connected resistor for the other input grid connection.

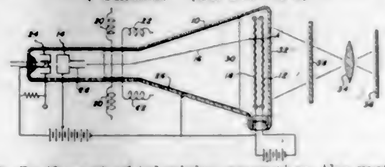
2,239,769

ELECTROOPTICAL REPRODUCER

John C. Batchelor, Hastings on Hudson, N. Y.

Application August 19, 1937, Serial No. 159,814

7 Claims. (Cl. 178—7.5)



1. In the art of television reception, the method of operation which comprises developing a ray of electrons, controlling the ray intensity by the received picture signals, selectively heating a thermionic cathode with the controlled ray to cause thermionic emission of electrons from the respective elemental areas of said cathode, and utilizing the effect of such thermionic emission from said cathode to heat to incandescence corresponding elemental areas of an incandescible screen to produce a visible image on said screen.

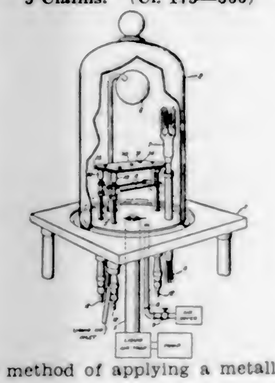
2,239,770

ELECTRICALLY CONDUCTIVE DEVICE AND THE MANUFACTURE THEREOF

Joseph A. Becker, Mountain Lakes, N. J., and Walter H. Brattain, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 7, 1937, Serial No. 167,714

5 Claims. (Cl. 175—366)



1. The method of applying a metallic contact to a semi-conductor which comprises cleaning a surface thereof of any adsorbed layer of insulation, by removing the portion adjacent the surface containing said layer, placing the semi-conductor in a vaporizing chamber, reducing the pressure in said chamber by pumping and then further reducing the pressure and removing materials that might form an insulating film on the cleaned surface by the introduction of liquid air into a trap within said chamber, and vaporizing a metallic film onto said cleaned surface.

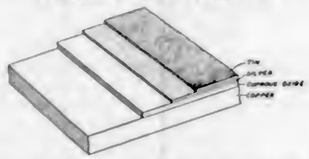
2,239,771

ELECTRICALLY CONDUCTIVE DEVICE AND ITS MANUFACTURE

Joseph A. Becker, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 14, 1938, Serial No. 207,916

4 Claims. (Cl. 175—366)



1. The method of applying a contact to the oxide surface of a copper-copper oxide rectifying unit which comprises vaporizing silver and condensing a thin adhering layer thereof on the surface of the oxide and then spraying an adherent coating of tin onto the surface of the silver while maintaining the unit at a sufficiently low temperature to retain its electrical properties.

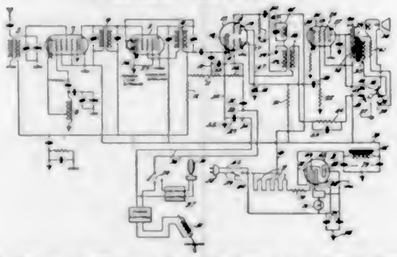
2,239,772

RADIO RECEIVER

Harold H. Beizer, Pensauken, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 31, 1939, Serial No. 276,582

6 Claims. (Cl. 250—20)



1. In a radio receiver having a power input supply circuit, the combination with signal selecting and volume control means, of an audio frequency sound output system variably controllable in signal output level by said volume control means, a signal generator, means providing connections between said output system and the signal generator for suppressing the second output and utilizing said output system as a controllable modulator for said signal generator, means for deriving variably controllable modulated oscillations from said generator in response to received signals, means for applying said derived modulated oscillations to said power supply circuit, a power rectifier device for said receiver connected with said power supply circuit, and a high frequency filter circuit connected between said supply circuit and said power rectifier device for preventing the reentry of said oscillations into said receiver through said power supply circuit, said rectifier having a cathode heater connected in said filter circuit as a filter element thereof.

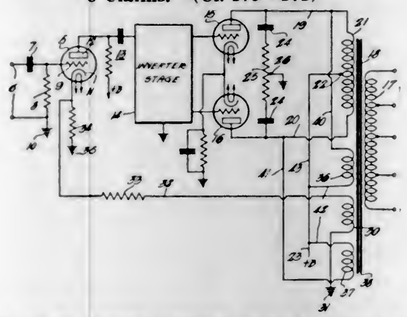
2,239,773

INVERSE FEEDBACK AMPLIFIER

Rudolph A. Bierwirth, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 29, 1939, Serial No. 287,305

8 Claims. (Cl. 179—171)



1. In an inverse feedback audio frequency amplifier, the combination with an output amplifier stage, of an output transformer therefor, a feedback winding in said transformer, an inverse feedback circuit including said winding serially therein, means for coupling said winding with minimum leakage reactance to said output stage comprising a primary winding connected with said stage and having two spaced sections between which said feedback winding is interposed, and a common core member for said windings.

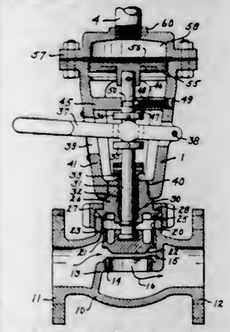
2,239,774

FUEL CUTOFF MEANS

Alva G. Blanchard, Shreveport, La.

Application June 5, 1939, Serial No. 277,333

2 Claims. (Cl. 137—153)



1. A fuel control cutoff valve for steam generators comprising a valve body, a valve seat therein, an opening in the body coaxial with the valve seat, a valve assembly including a valve member slidably fitting within the opening, a closure for the opening outwardly from the valve member, a valve stem attached to the valve member and extending outwardly through the closure member, means for releasably locking the valve stem to hold the valve open, a diaphragm chamber adapted to receive pressure fluid from the steam generator, a head on said valve stem engageable by the diaphragm of said chamber to move the valve stem from engagement by the locking means and move the valve from within said opening so that the valve assembly moves to close the valve member upon its seat.

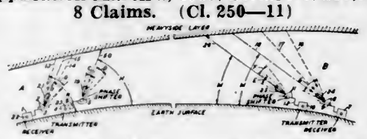
2,239,775

RADIO COMMUNICATION

Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 2, 1939, Serial No. 259,322

8 Claims. (Cl. 250—11)



1. A method of communication between two radio stations utilizing at one of the stations only a single receiving system and a transmitting system each comprising a directively steerable antenna, which comprises steering the maximum direction lobe of the receiving antenna over the normal range in a given plane of directions for incoming directions followed by a plurality of waves incoming from the other station, ascertaining the direction of the wave of greatest intensity, and aligning the maximum lobe of the transmitting antenna with the ascertained direction.

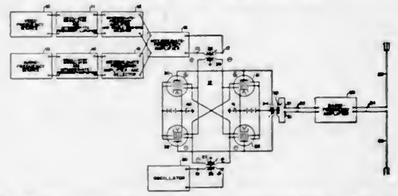
2,239,776

BALANCED MODULATOR CIRCUIT

Robert B. J. Brunn, New York, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application March 3, 1939, Serial No. 259,546

5 Claims. (Cl. 179—171.5)



1. A balanced modulator comprising, two sets of input terminals adapted to have signals applied thereto, a set of output terminals, and means for developing signals of heterodyne frequencies across said output terminals and balancing out at said output terminals the signals applied to both of said sets of input terminals, said means including two pairs of vacuum tubes each tube having input and output sets of electrodes, means for coupling said output electrodes to said output terminals, the output electrodes of one pair of said tubes being coupled to said output terminals with a polarity opposite to those of the other pair, means for connecting one of said sets of input terminals in push-pull relation to input electrodes of both of said pairs of tubes, the push-pull connections to said pairs of tubes being of like polarity with respect to corresponding tubes of each pair, and means for connecting the other of said sets of input terminals in push-pull relation to input electrodes of both of said

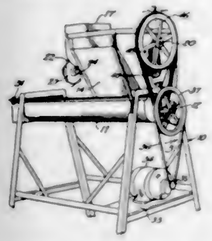
pairs of tubes, the push-pull connections of said other set of input terminals to said pairs of tubes being of opposite polarities with respect to corresponding tubes of each pair.

2,239,777

AUTOMATIC POWDER FEED REGULATOR

Claude C. Calkins, Spokane, Wash.

Application October 31, 1940, Serial No. 363,657
6 Claims. (Cl. 221—96)



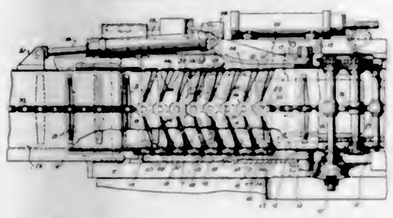
1. In a machine of the class described, the combination, with a compartment for material to be treated, a feed shaft journaled in said compartment, and a superposed powder feed device discharging into said compartment, of mechanism for driving said feed shaft, mechanism for driving said powder feed device, driving and driven members carried respectively by said feed shaft driving mechanism and said powder feed driving mechanism normally engaged with each other when said feed shaft is under load, and spring-actuated means automatically acting to shift said driving and driven members out of engagement with each other when said feed shaft is not under load.

2,239,778

CONVEYER

Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 11, 1939, Serial No. 308,564
6 Claims. (Cl. 198—109)



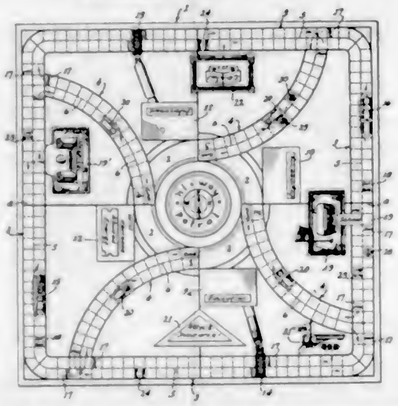
1. In an articulated conveyer, a pair of spaced apart trough sections, one of which is laterally swingable with respect to the other, and means for connecting said trough sections together to form a continuous trough from one end of one trough section to the opposite end of the other including a plurality of intermediate connecting trough segments having parallel spaced upright side walls, said trough segments being pivotally connected together and the extreme end trough segments being pivotally connected to adjacent ends of said trough sections, each of said trough segments having forwardly projecting winged portions overlapping said next adjacent trough segment and closing the gaps formed therebetween, and the side walls of said trough segments having flexible members extending therefrom and engaging the side walls of said next adjacent trough segments.

2,239,779

TRAFFIC GAME

Jaclyn J. Clark and Jerry De Vine, Los Angeles, Calif.

Application September 22, 1939, Serial No. 296,086
3 Claims. (Cl. 273—134)



3. A traffic game board having a representation of a main traffic artery extending marginally around the board, with transverse spaced divisions, along which pieces corresponding to the players and representing vehicles, are to be advanced, said main traffic artery divided longitudinally into separate traffic lanes with means on said lanes for indicating opposite direction of movement in said lanes, means located at different points on the board along the main traffic artery for affecting the movement of the pieces and causing the player to be subjected to penalties when the same are ignored by the player, said lanes having representations of cars located on the same at different points and around which pieces representing the vehicles must pass in the adjacent lane, and means represented on the board for directing the passage of vehicle pieces into different lanes of said major traffic artery to provide traffic in opposite directions in accordance with said indicating means on said lanes.

2,239,780

PROCESS FOR IMPROVING THE PROPERTIES OF THERMOPLASTIC, FILM-FORMING, ORGANIC SUBSTANCES

Hans Fikentscher and Heinrich Jacqué, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application May 17, 1938, Serial No. 208,420. In Germany May 19, 1937
4 Claims. (Cl. 18—48)

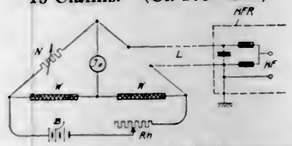
1. A process for improving the properties of shaped articles substantially consisting of polyvinyl chloride which have been prepared by simultaneous action of heat and pressure which comprises heating the said shaped articles without using pressure to temperatures of between 220 and 320° C.

2,239,781

HIGH FREQUENCY MEASURING RESISTOR

Roman Golicke, Falkenhain, near Falkensee, and Andreas Jaumann, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application July 9, 1938, Serial No. 218,468
In Germany July 15, 1937
15 Claims. (Cl. 175—368)



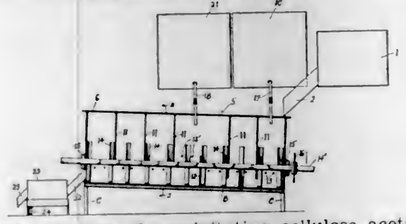
13. In combination, a high-frequency circuit, an auxiliary circuit of lower frequency, resistance means virtually of purely ohmic character connected in said two circuits so as to be simultaneously operative in both circuits and forming the only common link thereof, said resistance means comprising a resistor consisting of a material having a temperature-responsive electric resistance such that its specific resistance value varies continuously with temperature over a wide range, variable control means associated with said resistor for controlling the temperature of said resistor to selectively adjust same to a predetermined resistance value effective in said high-frequency circuit.

2,239,782

PRECIPITATION OF ORGANIC DERIVATIVES OF CELLULOSE MATERIALS

Clifford I. Haney, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware

Application August 2, 1938, Serial No. 222,646
1 Claim. (Cl. 260—230)



The process of precipitating cellulose acetate from its acetylation solution in acetic acid, comprising adding to such solution an aqueous solution of acetic acid of substantially 40% concentration to thin the solution without precipitating the cellulose acetate, passing the same to another zone and mixing the same, passing the relatively thinned solution of the cellulose acetate to another zone and adding thereto an aqueous solution of acetic acid of substantially 18% concentration in amount sufficient to cause precipitation of the cellulose acetate and mixing the same while continuously passing the same through a series of zones whereby the cellulose acetate is precipitated.

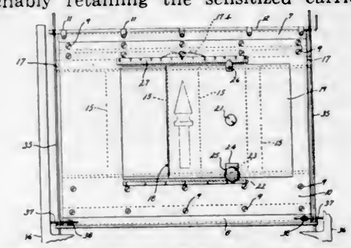
2,239,783

MASKING DEVICE FOR CAMERAS

William F. Heitschmidt, Chicago, Ill., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware

Application December 3, 1938, Serial No. 243,711
5 Claims. (Cl. 88—24)

1. In a masking device of the character described, a frame having an aperture to be traversed by a projecting light beam, said frame comprising a seat adapted to support a sensitized carrier, means carried by said frame for detachably retaining the sensitized carrier on



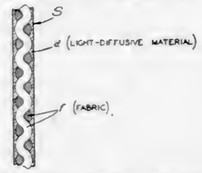
said seat in alinement with said aperture, means for moving said sensitized carrier with respect to said aperture, and a pair of sheet-like plates slidably associated with said frame, said plates being adjustable toward or from each other and with respect to said aperture.

2,239,784

REAR PROJECTION SCREEN

Jesse B. Hudson, Philadelphia, Pa., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware

Application April 25, 1938, Serial No. 204,139
3 Claims. (Cl. 88—24)



1. A rear projection screen comprising a fabric sheet, a coating medium for said fabric sheet, said coating medium being a mixture comprising linseed oil principally together with Chinawood oil and fish oil to considerably less extent, said coating medium, after application to said fabric sheet, causing the surface thereof to be in tacky condition, and powdered light-diffusive material applied externally to the coated surface of said fabric sheet, said light-diffusive material serving to overcome the tacky condition of said fabric sheet, said light-diffusive material and said fabric sheet serving to diffuse the light of the projecting light beam while permitting the passage of sufficient light for rear projection practice.

2,239,785

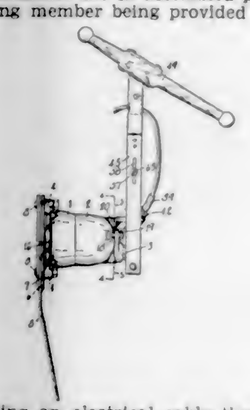
TAMPING AND LIKE IMPLEMENT

Corwill Jackson, Ludington, Mich.

Application April 29, 1940, Serial No. 332,253
14 Claims. (Cl. 259—1)

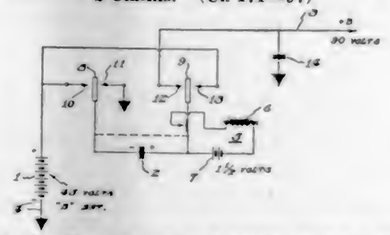
1. In a structure of the class described, the combination of a housing comprising bottom, intermediate and top members, the bottom member being upwardly tapered and having a relatively thick bottom wall having a central inwardly projecting annular flange-like bearing support and laterally projecting foot portions, the bottom and intermediate members having a rabbeted joint, the intermediate member having a lower cylindrical portion and an upwardly tapered upper portion terminating in a top wall having a central inwardly projecting annular flange-like bearing support, a tie bolt disposed

through the top and bottom walls, the top wall having a recess receiving the head of the bolt, the bolt extending through the bottom wall to receive a clamping nut, means for detachably securing the top housing member to said intermediate housing member, said housing members providing a housing of general acorn shape with a preponderance of the weight at the bottom thereof, the top and intermediate housing members having coacting disengageable electrical circuit connections which are engaged when said housing members are in assembled position, said top housing member being provided with means



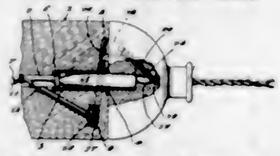
for clamping an electrical cable thereto, a motor stator seated in said cylindrical portion of said intermediate member, a rotor provided with a tubular shaft through which said tie bolt extends, bearings for said rotor carried by said bearing supports, an unbalancing weight on the lower end of said rotor shaft overhanging the said bearing support on said bottom wall, a tool clamped to said foot members of said bottom housing member and provided with an opening affording access to the nut of said bolt, and a handle having a vibration absorbing connection to said top housing member.

2,239,786
VOLTAGE MULTIPLYING SYSTEM
Mack C. Jones, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 28, 1939, Serial No. 287,013
2 Claims. (Cl. 171—97)



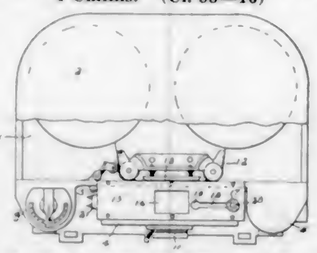
2. A voltage multiplying system comprising, in combination, means providing load supply terminals, an electrical vibrator device having a pair of vibrating contact members, an energy storing capacitor connected between said contact members, a pair of contacts associated with each of said vibrating contact members providing connection therewith alternately, means providing a supply circuit for applying direct current energy between one pair of said contacts, means providing connections for the remaining pair of said contacts with one side of said supply circuit and with one of said load supply terminals, means providing a connection between the opposite side of said supply circuit and the other terminal of said load circuit, and a filter capacitor connected in shunt across said load supply terminals having a relatively low capacity with respect to the capacity of said first named capacitor.

2,239,787
ELECTRIC CURRENT PLUG AND RECEPTACLE
Edward Kakes, Antigo, Wis.
Application March 29, 1940, Serial No. 326,796
3 Claims. (Cl. 173—330)



1. In a device of the class described, the combination of a socket unit provided with a central aperture, a cylindrical casing in part of said aperture, said cylindrical casing provided on its outer end with an annular flange embedded in said socket unit, said cylindrical casing provided on its inner end with an annular flange, a contact plate in said cylindrical casing against the flange on the inner end of said casing, said socket unit provided in its outer face with a curved groove and a curved socket at the inner end of said groove, a contact plate in said curved socket, a plug unit provided with a central aperture, an outwardly-pointed round prong extending at its inner end into said last-mentioned aperture, a curved contact spring having an outwardly-bowed outer end, and said curved contact spring provided with an angular inner end extending into said plug unit, substantially as shown and described.

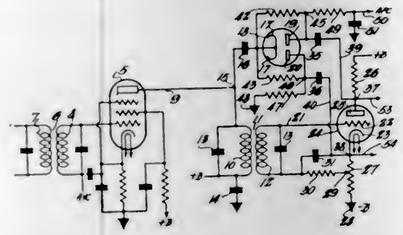
2,239,788
VIEW FINDER ATTACHMENT FOR CAMERAS
John Q. Kerrins, Indianapolis, Ind.
Application April 18, 1938, Serial No. 202,623
4 Claims. (Cl. 88—16)



1. In a camera construction, a casing, a pair of spaced pockets adjacent the lower extremity of said casing, an elongated horizontally disposed box like structure mounted between said pockets and attached thereto, a plate slidably mounted on one face of said box, said plate having a window therethrough, a view finder attached to said plate in registration with said window, a lens attached to the lower face of said box like structure, means for sliding said plate

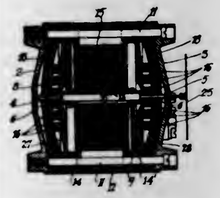
for moving said view finder into or out of registration with said lens, and means for locking said plate against longitudinal movement in either direction.

2,239,789
FREQUENCY RESPONSIVE CONTROL SYSTEM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1939, Serial No. 292,769
7 Claims. (Cl. 250—20)



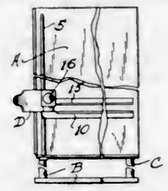
2. A frequency responsive control system comprising, in combination, means including two tuned coupled signal conveying circuits providing a band pass filter network, means for rectifying signal voltages from said tuned circuits in opposition to provide a direct current output controlling voltage which varies in magnitude and polarity with variations in frequency of an applied signal from resonance with said tuned circuits, and a combined phase inverter and amplifier stage interposed as a coupling means between said tuned circuits and said rectifier means, said stage including a cathode circuit impedance and anode circuit impedance to which said rectifier means are coupled to receive signal potentials therefrom substantially 180° out of phase with each other.

2,239,790
REMOTE INDICATOR
Paul Kollsman, Stamford, Conn., and Victor E. Carbonara, Rockville Centre, N. Y., assignors, by mesne assignments, to Square D Company, Detroit, Mich., a corporation of Michigan
Application February 10, 1938, Serial No. 189,816
6 Claims. (Cl. 172—36)



5. An article of manufacture, an insulating body for supporting a plurality of windings, said body having a tubular center portion defining a central axis, said center portion flaring out into cup-shaped flanges at either end, the rims of the flanges being provided with notches arranged in groups, two groups forming a first pair arranged on diametrically opposite sides of said central axis, and two groups forming a second pair disposed at right angles relatively to said first pair.

2,239,791
LINE GUIDE
Julius Lemperle, Salt Lake City, Utah
Application September 23, 1940, Serial No. 357,893
3 Claims. (Cl. 120—33)



3. A line guide comprising parallel guide bars, one of which has the other adjustably mounted thereto to provide for adjustment of the said one bar to vary the space between said bars.

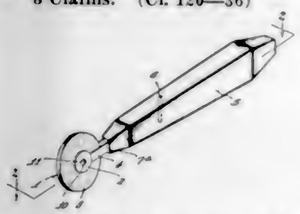
2,239,792
TROLLEY WIRE HANGER
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 14, 1939, Serial No. 294,909
2 Claims. (Cl. 174—160)



1. Means for supporting a trolley wire from an overhead cable comprising an insulator, a fitting secured to said insulator and having an external arcuate bearing surface thereon, a threaded stud projecting from said fitting, a clamp mounted on said fitting and having an opening through which the stud projects and also being provided with an arcuate bearing surface to cooperate with the first arcuate surface to permit the clamp to rock upon the arcuate surfaces, the opening in the clamp being larger than the stud whereby the amount of rocking movement of the clamp relative to the stud is limited by the size of the said opening, the said clamp being rotatable about the axis of the stud, a second clamp mounted on said fitting and provided with an elongated opening through which said stud extends, said last named opening permitting the second named clamp to move laterally and to rotate in a plane, normal to the axis of the stud, elongated cooperating grooved means on each clamp to receive a supporting cable, the longitudinal axis of the said cooperating grooved means being spaced from and transverse to and in a plane substantially normal to the axis of the stud, interlocking means on the clamps cooperating to prevent the clamps from rotating relative to each other, and threaded means on the stud to move longitudinally thereof when rotated to force the clamps into holding engagement with a cable, the arcuate surfaces on said fitting and first mentioned clamp and the openings through said clamps for said stud providing a mounting for said clamps whereby the first said clamp may rock upon the arcuate surfaces to adjust itself to the size of cable positioned in the grooves of the

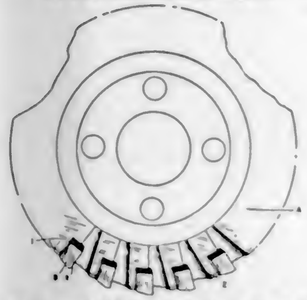
clamps, and the second clamp may be moved laterally of the stud to adjust the grooved means thereon to that on the first clamp.

2,239,793
ERASER
George F. Miller, Norman, Okla.
Application December 30, 1938, Serial No. 248,608
8 Claims. (Cl. 120—36)



5. The combination in an eraser of a body of abrasive material, a cylindrical trunnion projecting axially from the side of said body and continuous with and a part of the said body, a pair of shanks, one of the said shanks having means for engaging the said trunnion so as to secure the said body between the said shanks.

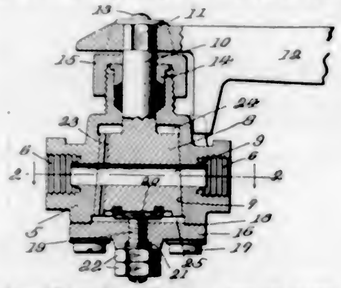
2,239,794
INSERTED BLADE CUTTER
William S. Morse, Detroit, Mich.
Application July 25, 1938, Serial No. 221,272
13 Claims. (Cl. 29—105)



1. In an inserted blade cutter, a body having a slot for a blade, the base of the slot having a recess, a blade in the slot and provided in opposed relation to the recess with serrations, and means for preventing the blade from moving in the slot, including a pad in said recess and having serrations engaging the serrations of the blade, and means for rigidly securing the pad to the base of the recess including an element connected to the pad and rigidly secured to the body.

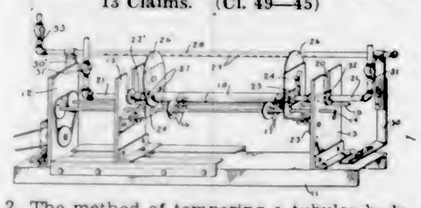
2,239,795
BALANCED PLUG VALVE
Arthur L. Parker, Cleveland, Ohio
Application May 4, 1936, Serial No. 77,842
Renewed April 6, 1939
2 Claims. (Cl. 251—98)

1. The combination with a valve casing, of a tapered plug valve seated therein and formed with a fluid channel, chambers at opposite ends of the valve in communication with said channel, an adjusting screw having a head bearing against the larger end of the valve to adjust the pressure of the valve against its seat, a circular rib on the periphery of said head, a gasket cooperating with said rib to define an annular fluid pressure area on the larger end of the valve which is not



greater than the fluid pressure area on the smaller end of the valve, and a vent through said adjusting screw to permit the escape of any fluid which may be trapped within said rib.

2,239,796
TEMPERING GLASS TUBING
Kenneth Stratton, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 22, 1938, Serial No. 197,467
13 Claims. (Cl. 49—45)



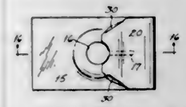
2. The method of tempering a tubular body of glass, which includes heating the glass to a selected temperature, rotating the body about an axis concentric to its bore and alternately introducing a cooling medium into opposite ends of the bore and simultaneously directing streams of a cooling medium toward the outer wall surface of such body.

11. In a tempering apparatus a fixed support having a chilling fluid supply conduit having an open end mounted thereon, a movable support having a chilling fluid supply conduit mounted thereon having an open end directed toward the open end of the first mentioned conduit, and means for supporting a glass tube to be chilled between the open ends of said conduits with the bore of the tube in register with the open ends of said conduits, said movable support enabling the modification of the space between said conduits in accordance with the length of glass tube to be chilled.

2,239,797
SPRING FASTENER
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 1, 1936, Serial No. 103,516
6 Claims. (Cl. 85—36)

1. A sheet metal fastening device, comprising a conical protuberance having an opening in the top thereof, the edge of the wall of which provides a thread, an integral projection overhanging said protuberance and provided with a notch

to engage in the groove of the threaded element for the fastening device beyond the groove that



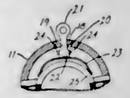
receives said edge, and means formed as an integral part of said projection to act as a stop to limit the flattening of said protuberance.

2,239,798
HANDLE OR KNOB MOUNTING AND THE LIKE
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 1, 1939, Serial No. 276,897
6 Claims. (Cl. 16—114)



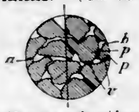
1. A mounting for securing an article of manufacture to a supporting structure provided with a stud passage, an assembling opening and a separate lug recess, said mounting comprising a sheet metal fastening device provided with stud engaging means, an attaching tongue and a locking lug, said attaching tongue being receivable in said assembling opening and upon sliding movement of the fastening device to fastening position cooperating with the body of the fastening device to engage opposite sides of said supporting structure in holding the fastening device in applied position thereon with said stud engaging means overlying said stud passage therein, said locking lug engaging in said separate lug recess to lock the fastening device in such applied position and said article to be mounted having a connecting stud receivable in said stud passage and positively engaged by the stud engaging means of the fastening device in the applied mounted position of said article on the supporting structure.

2,239,799
LOCKET
Lawrence Valcourt, Pawtucket, R. I., assignor to Carl-Art, Inc., Providence, R. I., a corporation of Rhode Island
Application December 23, 1938, Serial No. 247,427
5 Claims. (Cl. 63—19)



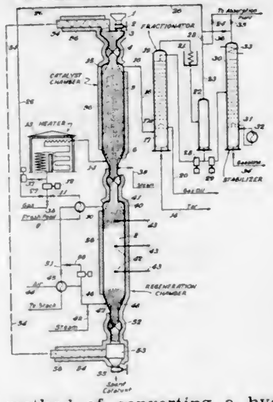
1. In an article of jewelry, a body having a recess, a latch mechanism in said recess having a stem projecting outwardly therefrom and a latch element, an arcuate leaf spring in said body having the central portion thereof fixed to said latch mechanism urging said latch mechanism outwardly, and a closure hinged to said body and having a catch recess adapted to receive said latch element and to lock therewith on outward movement of said latch mechanism.

2,239,800
PRODUCTION OF SINTERED ARTICLES
Hans Vogt, Berlin-Neukolln, and Ernst Klotz, Berlin-Hermsdorf, Germany; said Klotz assignor to said Vogt
Application January 30, 1939, Serial No. 253,654
In Germany February 4, 1938
14 Claims. (Cl. 75—22)



1. Process for the production of porous metal bodies which comprises forming a body of the finely divided metal, introducing a metal salt into the formed body in the form of a solution thereof and reducing the metal salt to metal in situ.

2,239,801
CATALYTIC CRACKING SYSTEM
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application January 8, 1938, Serial No. 183,946
6 Claims. (Cl. 196—52)

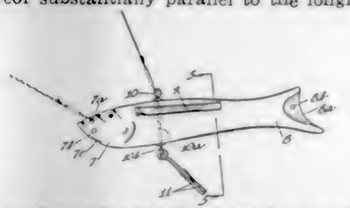


5. The method of converting a hydrocarbon oil boiling predominantly between 200° F. and 750° F. into high quality gasoline by a process comprising catalytic cracking which method comprises heating said oil to effect vaporization thereof and to effect super-heating of the vapors to a temperature of 800° F. to 1100° F., introducing said super-heated vapors into a moving bed of catalyst in a conversion zone, introducing catalyst into said zone and removing catalyst from said zone without appreciable losses of hydrocarbon vapors with said catalyst, continuously regenerating said removed catalyst in a separate zone at high temperature and returning said high temperature regenerated catalyst to said conversion zone in admixture with fresh catalyst, preventing regeneration gases from entering the conversion zone, and fractionating the products from the conversion step into a gasoline fraction, a gas fraction and at least one heavier-than-gasoline fraction.

2,239,802
FISH LURE
Adolph C. Westby, Long Beach, Calif.
Application June 9, 1939, Serial No. 278,238
5 Claims. (Cl. 43—46)

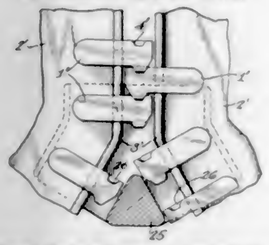
1. A fish lure comprising, an elongated, rela-

tively thin body adapted to be disposed edgewise in the water and being heavier than the water displaced, said body having a pair of elongated, aligned gliding wings extending longitudinally thereof substantially parallel to the longitudinal



center of gravity of said body and projecting laterally from adjacent the upper edge thereof at opposite sides, the lower portion of said body below the longitudinal center line being of considerably greater weight than that above said center line.

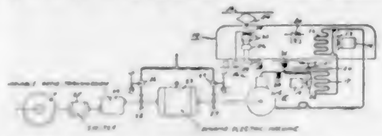
2,239,803
SLIDING CLASP FASTENER
Martin Winterhalter, Morcote-Castello, near Lugano, Switzerland
Application August 28, 1936, Serial No. 98,308
In Germany April 6, 1935
3 Claims. (Cl. 24—205)



1. A sliding clasp fastener comprising a pair of stringers, a plurality of spaced interlocking members molded on and intimately united to opposite sides of each stringer and having portions extending beyond the stringers, said interlocking members each having a projection on a face of the extending portion and a recess in the opposite face, the recesses in the members on one stringer being arranged to receive the projections on the members on the other stringer to lock the stringers together, each recess having a bottom in a plane substantially parallel with its stringers, the mold flash formed on the members being substantially parallel to the stringers and in the plane of the bottoms of the recesses, so that the interlocking projections and recesses are free of mold flash.

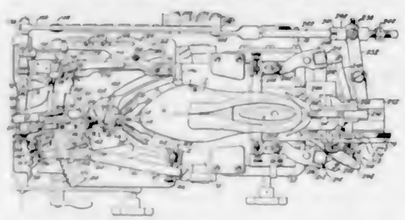
2,239,804
ELECTRICAL APPARATUS
Donald F. Alexander, Charles F. Henney, and Charles L. Paulus, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application March 4, 1937, Serial No. 129,024. Divided and this application August 20, 1937, Serial No. 160,148
2 Claims. (Cl. 171—313)

1. In a vehicle; a live axle assembly; a unitary dynamo-electric machine; a battery; torque transmitting means from said live axle assembly to said dynamo-electric machine; control means, automatically responsive to vehicle running conditions, to cause said dynamo-electric machine, to act as a motor energized from said battery, to motor independently of said live axle assembly when said vehicle is standing and, when said vehicle is in motion, to cause said live axle assembly to drive, through said torque transmitting means, said dynamo-electric machine, said dynamo-electric machine arranged to act as a generator to charge said battery, a source of outside alternat-



ing current, a current-changing device connectible to said source of outside electrical current, connecting means for connecting said source to said current-changing device and for connecting said current-changing device to said battery and dynamo-electric machine, and means for modifying said control means when said current-changing device is operating to cause said dynamo-electric machine to act as a motor when said car is in motion.

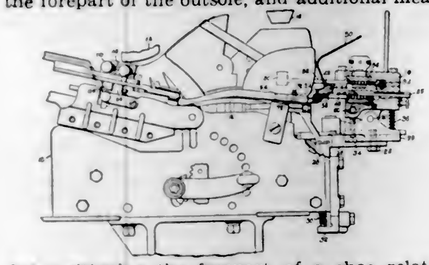
2,239,805
MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS
Corwin W. Baker, Stoneham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 12, 1940, Serial No. 345,099
43 Claims. (Cl. 12—33)



1. A pad box for use in applying pressure to shoe bottoms provided with a sole receiving pad and having, in combination, means for positioning the forepart of a sole at an angle relatively to the longitudinal median line of the pad, and means for positioning the rear part of the sole centrally on the pad, the said forepart positioning means being adjusted to position the sole forepart such that the sole rear part is properly disposed relatively to the forepart after the said rear part has been positioned centrally on the pad.

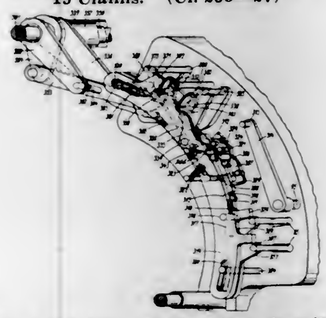
2,239,806
MACHINE FOR USE IN APPLYING PRESSURE TO SHOE BOTTOMS
Francis J. Better, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 16, 1940, Serial No. 345,747
15 Claims. (Cl. 12—33)

1. A pad box for use in applying pressure to shoe bottoms having in combination a sole receiving pad, means for holding the forepart of an outsole placed on the pad, means for positioning the forepart of a midsole relatively to the forepart of the outsole, and additional means



for positioning the forepart of a shoe relative to the outsole and the midsole.

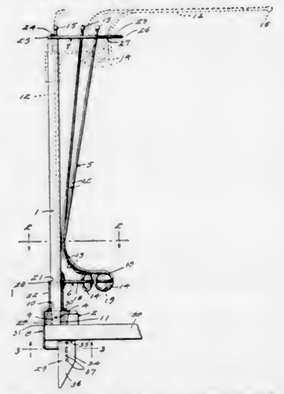
2,239,807
CASH REGISTER, ACCOUNTING AND THE LIKE MACHINE
Ernst Breitling, Berlin-Tempelhof, Hans Schwenk, Berlin, and Hans Uhlmann, Berlin-Steglitz, Germany, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland (1926)
Application March 22, 1939, Serial No. 263,370
In Germany January 23, 1936
15 Claims. (Cl. 235—27)



1. In a machine of the class described, the combination of machine release keys; means to normally lock one of the machine release keys against depression; transaction keys; a control bar operable upon depression of a transaction key; a latch to maintain the control bar in the position to which it is moved upon depression of a transaction key; means pivoted on said control bar; devices on the pivoted means movable into the path of the transaction keys when the control bar is moved, said devices remaining in the path of the control keys when the control bar is held by the latch, whereby the pivoted member is actuated upon subsequent depression of a transaction key; and connections between the pivoted means and the first-named means to determine the position of the first-named means.

2. In a machine of the class described, the combination of machine release keys; means to normally lock one of the machine release keys against depression; transaction keys; a control bar operable upon depression of a transaction key; a latch to maintain the control bar in the position to which it is moved upon depression of a transaction key; means pivoted on said control bar; devices on the pivoted means movable into the path of the transaction keys when the control bar is moved, said devices remaining in the path of the transaction keys when the control bar is held by the latch, whereby the pivoted member is actuated upon subsequent depression of a transaction key; connections between the pivoted means and the first-named means to determine the posittion of the first-named means; manipulative devices to control the machine for entering old balances; a mechanism rendered effective under control of the manipulative devices to cause the machine to perform a balancing operation immediately following an old balance entry operation; and means actuated by said mechanism to actuate the latch to thereby release the control bar during a balancing operation.

2,239,808
HANGER
Bettie Justiss Bostick, Jacksonville, Fla.
Application July 14, 1935, Serial No. 284,551
3 Claims. (Cl. 211—86)



1. In a hanger, a base, a standard secured at its lower end to the base, a flat horizontally disposed combined guide and holder element secured upon the upper end of and disposed at right angles to the standard, said element being formed with a row of radially disposed spaced slots, a combined shifting and coupling element having a portion slidably mounted on the standard and a horizontally disposed part extended outwardly at right angles to said portion, said part being formed with a row of radially disposed spaced openings corresponding in number and position to said slots, and a normally upstanding set of extendible and retractible suspension arms having annular lower ends extending through said openings and having their upper ends extending through said slots, said lower ends overlapping spaced portions of said part for loosely connecting the arms to said part, said arms permanently positioned in and having inwardly curved parts adjacent said lower ends coacting with said slots for automatically disposing the major portion of said arms from upstanding to horizontal position when the combined shifting and coupling element is disposed in proximity to said combined guide and holder element.

2,239,809
INSULATOR
Wade H. Burleson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application March 9, 1939, Serial No. 260,722
2 Claims. (Cl. 174—140)

1. An insulator comprising a dielectric member and a metal fitting secured thereto, said member

and fitting having relatively converging faces forming a peripheral groove about said insulator and means for providing good electrical connection between said fitting and the surface of said dielectric member, said means comprising a conducting coating on the surface of said dielectric member within said groove and a longitudinally and transversely resilient band disposed in said groove about said insulator and drawn inwardly into said groove by the resiliency of said band



into close engagement with the converging faces of said groove, said band being formed of an elongated strand of resilient conducting material having recurrent peripherally spaced inwardly bent portions for engaging said converging faces, the resiliency of said band and the spacing of the points of contact thereof with said converging faces insuring good electrical connection at each point of contact to minimize radio disturbances due to electrical discharges.

2,239,810

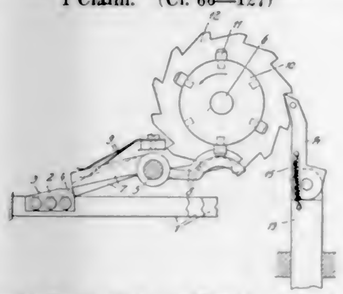
DEVICE FOR LOCKING THE THREAD CARRIER BARS OF FLAT KNITTING MACHINES

Franz Ceeka, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany

Application January 13, 1940, Serial No. 313,771

In Germany December 21, 1938

1 Claim. (Cl. 66—127)



A device for locking the thread carrier bars of flat knitting machines, comprising stops limiting the stroke of said thread carrier bars, means operating according to pattern, double-armed locking levers influenced by said means operating according to pattern and acting upon said thread carrier bars, and springs acting upon said double-armed locking levers, the arrangement being such that said carrier bars unimpededly reach said stops limiting their stroke in the direction towards said stops and are automatically locked by said levers in the position of contact with said stops, whereas said thread carrier bars continuing their operation only are released on movement in the opposite direction by influencing corresponding arms of said double-armed locking levers according to pattern and against the action of said springs, said locking blocks being fixed upon the ends of said thread carrier bars and having an inclination towards one end and a curve-like locking face at the other side corresponding in shape to the front edge of one of the arms of said double-armed locking levers.

2,239,811

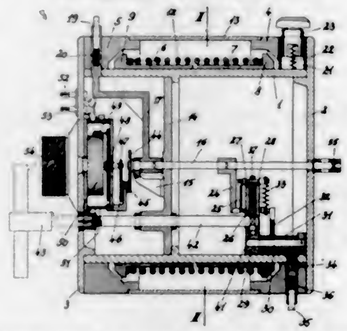
GROOVE TESTING PROCESS AND APPARATUS

Paul Cüppers, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany

Application January 11, 1939, Serial No. 250,406

In Germany January 19, 1938

11 Claims. (Cl. 177—311)



1. Apparatus for testing the angularity of a spiral groove in a grooved barrel comprising a support adapted to move through the barrel, a pair of groove engaging feelers carried by said support for relative angular movement about the axis of the barrel and adapted for simultaneous engagement with the same groove at points axially spaced along the groove, and means responsive to relative angular displacement of said feelers for indicating deviations in the angularity of the groove tested.

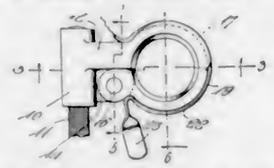
2,239,812

ELECTRICAL CONDUCTOR TERMINAL

Luis de Urzaiz, New York, N. Y.

Application February 20, 1940, Serial No. 319,973

2 Claims. (Cl. 173—259)



2. Means for connecting an electrical conductor to a battery post, including a conductor end support, an arcuate clamping jaw formed integral with said support, an arcuate clamping jaw pivotally connected to said support, the outer peripheral face of one of said jaws being grooved and the corresponding face of the other of said jaws being smooth, and a spring clamp surrounding said jaws for drawing the same together, said clamp being in the form of an open loop and having a side portion disposed in said groove and a side portion disposed against said smooth face of the other jaw and the last-named side portion having an end portion bent outwardly and twisted to form a thumbpiece in a plane parallel to the upper faces of the jaws.

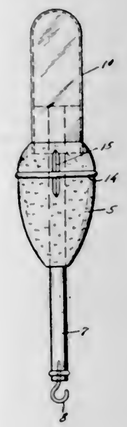
2,239,813

FISHING BOBBER

Michael Dubell, Chicago, Ill.

Application October 12, 1940, Serial No. 361,001

3 Claims. (Cl. 43—49)



1. A fishing bobber comprising a buoyant body, means projecting from the lower end of the body for attaching a fish line thereto, means at the side of the body for also attaching a fish line thereto, and a tubular member having one end embedded in the upper portion of the bobber and its other end closed and projecting above the bobber to provide an air chamber in said tubular member to add to the buoyancy of the bobber.

2,239,814

PAPER-SIZING COMPOSITION

Earle R. Edson, Gloucester, and Charles Quincy Ives, Reading, Mass., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts

No Drawing. Application March 13, 1939, Serial No. 261,666

12 Claims. (Cl. 134—21)

1. A substantially dry composition particularly adapted for sizing papermaking stock and comprising substantially dry rosin size particles enveloped by substantially dry, acidic, calcined starch-conversion product having a dextrin content downwards of about 60% and substantial solubility in water at 70° F.

2,239,815

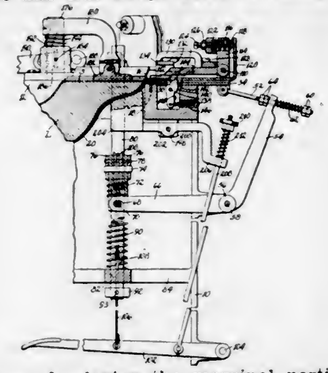
LASTING MACHINE

Karl Engel, Swampscott, and Charles S. Kinney, Middleton, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application January 25, 1940, Serial No. 315,511

22 Claims. (Cl. 12—7)

1. In a machine for lasting the foreparts of shoe uppers comprising a plurality of straps, means for clamping the marginal portions of the straps at the toe end and at the opposite sides of the forepart and for simultaneously tensioning them over a last in response to relative movement of the last and said clamping means heightwise of the last, and wipers spaced similarly to said toe and side straps about the forepart of



the upper for laying the marginal portions of said straps inwardly over an insole on the last.

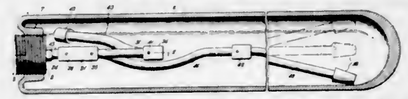
2,239,816

FIRE EXTINGUISHER LIQUID PICKUP APPARATUS

Harry Ensminger, Chicago, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application December 22, 1938, Serial No. 247,269

15 Claims. (Cl. 169—31)



15. In a portable fire extinguisher, a cylinder capable of being supported with either of its ends above the horizontal and having a discharge passage at one of its ends, a system of ducts having one of its ends coaxially connected to the discharge passage, a flexible tube having one end extending into the end of the cylinder having said discharge passage and its other end connected to said system of ducts, a gravity actuated check valve operating in said system of ducts and closing said system when the end of the cylinder having said discharge passage is raised above the horizontal, a second system of ducts angularly connected with the discharge passage at a point down-stream of the connection with the first mentioned system of ducts, and a second flexible tube having one end extending into the remaining end of the cylinder and its other end connected to the second system of ducts, said second flexible tube and its system of ducts being so constructed as to always provide open communication between the discharge passage and the end of the cylinder into which said second tube extends.

2,239,817

BUILDING STRUCTURE

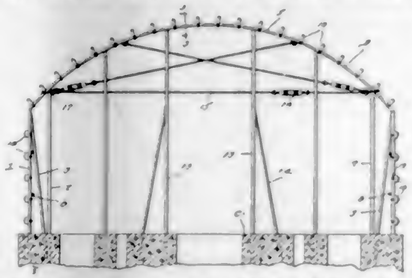
Gilbert O. Gross, Greenfield, Iowa

Application March 11, 1940, Serial No. 323,433

2 Claims. (Cl. 189—1)

1. A building structure of the class described comprising a concrete base, upright members extending longitudinally on the base at each side thereof and each including an inner pipe and an outer pipe and a diagonally arranged bracing pipe connecting the inner and outer pipes together, upwardly bowed pipes forming a roofing frame and having their ends welded to the upper

ends of the outer pipes of the uprights and end portions welded to the inner pipes of the uprights, upright pipes at the ends of the structure having their upper ends welded to the outermost arcuate pipes, tie rods each including sections connected



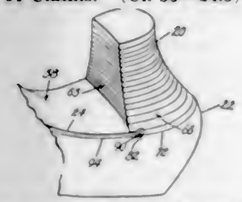
together by a turnbuckle, one end of each tie rod being connected to one part of a roofing pipe and the other end to another part thereof, said tie rods holding the roofing pipes in a true arc, and longitudinally extending pipes connected with the outer pipes of the uprights.

2,239,818

SHOE AND HEEL THEREFOR

George Hazelton, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 13, 1939, Serial No. 309,062
In Great Britain January 12, 1939
11 Claims. (Cl. 36—24.5)



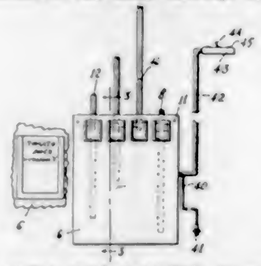
10. A shoe comprising an attached heel having in the upper end of its breast a sole receiving groove, side walls of which extend to the breast of the heel and ends of which terminate partly at the attaching face of the heel and partly at the sides of the heel, and a short outsole the rear portion of which fits in said groove and is forcibly held in the same.

2,239,819

VALUATION EXHIBITOR

Mary E. Holme, Carlinville, Ill.
Application June 7, 1940, Serial No. 339,403
4 Claims. (Cl. 35—1)

1. In a valuation exhibitor of the class described comprising upper and lower rectangular frames, standards oppositely disposed to connect the frames, a shaft trunnioned on the standards near the center thereof longitudinally, a sheave secured to the shaft, a motor carried by the lower frame and a belt connecting said sheave and sheave of the motor as turning means for the shaft, a plurality of magnetic elements spaced along the shaft and means to secure the same rigid and against rotation with the shaft, a friction clutch adjacent each magnet and being spaced therefrom to avoid contact with the head of the magnet when the clutch is attracted thereto ward for its frictional engagement with an element on the shaft, thereby rendering the clutch rotatable with the shaft, and the clutch having a grooved hub to engage a belt, and an electric switch as a control for each magnet, an elongated electric lamp and carriage therefor for each clutch, a pair of guide rods for the carriage, vertically disposed and in parallelism with the lamp, the ends of the rods being secured to the upper and lower frames, respectively, as guiding means for the vertical movement of the lamp carriage, and a pair of rods for each lamp carriage to function as electrodes and being insulated from the frame at each end thereof, the rods being in parallelism with the lamp, a brush for each rod as closing means for an electric circuit and slidable on the rod as the lamp carriage moves vertically, belting means connecting each clutch element to the lamp carriage to raise and



lower the same, and a switch to control the vertical movement of the lamps to wholly or partially extend the same from the top frame member, said member being apertured for each lamp to slidably engage therethrough a card for each lamp, said cards having indicia printed thereon, means to carry the same in close relation to their respective lamps, a jacket for each lamp movable therewith, said jacket having graduations and numerals printed thereon to coact with the indicia of the cards substantially as specified, the indicia of the jackets being intensified when the lamps are lighted and visually discernible as the lamps protrude from the upper frame, and a source of electric power for the electrically controlled elements of the exhibitor.

2,239,820

CLIP FOR SCREW DRIVERS

Henry T. Kinney, Hicksville, N. Y.
Application June 21, 1939, Serial No. 280,399
1 Claim. (Cl. 145—52)



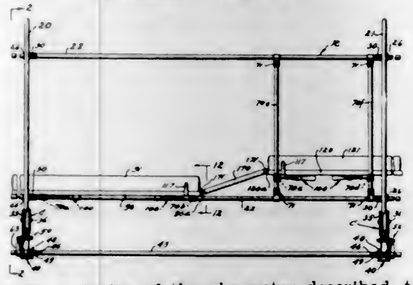
In a device of the character described, spaced elongated plates arranged to engage opposite faces of a shank of a screw driver, barrels formed on edges of the plates and substantially paralleling the axis of the shank of the screw driver, jaws integral with companion ends of the plates and including opposed gripping ends, and a spring member of substantially U shaped including pairs of arm portions entering said barrels, and a pair of bowed tension creating connecting portions acting to urge the plates and jaws into gripping position.

2,239,821

FRACTURE FRAME

Stuart C. Knox, Los Angeles, Calif., assignor to Medical Engineering Company, Los Angeles, Calif., a copartnership composed of Stuart C. Knox, T. Keith Glennan and Daniel Cornwall Hickson

Application August 1, 1939, Serial No. 287,779
6 Claims. (Cl. 5—61)



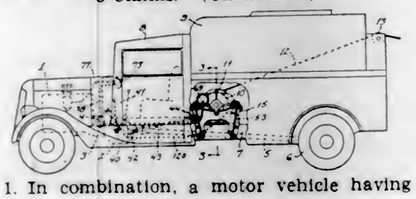
1. In a device of the character described, the combination of a rotatable frame comprising spaced end rings and four parallel, equally spaced longitudinal rails connecting said end rings, said rails consisting of two normally horizontally alined bottom rails and two normally horizontally alined top rails, parallel horizontal bars connected at opposite ends to said two bottom rails, a mattress-supporting platform secured to said parallel cross bars, a mattress supported on the upper side of said platform, parallel vertical cross bars spaced from one another longitudinally of said longitudinal rails and connected to the top and bottom rails on each side of said rotatable frame, parallel horizontal cross bars detachably connected at opposite ends to said vertical cross bars at a level above said mattress, a mattress-supporting platform disposed beneath and detachably secured to said last mentioned horizontal cross bars, a mattress secured to the underside of said last mentioned platform, said two mattresses being spaced apart vertically to provide a space for a patient therebetween, and a cradle in which said frame is rotatable on a longitudinal axis substantially defined by the centers of said end rings.

2,239,822

WINCH

Neil P. Larsen and Herman J. Troche, Cleveland, Ohio, assignors to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio

Original application February 16, 1938, Serial No. 190,760. Divided and this application February 28, 1940, Serial No. 321,234
5 Claims. (Cl. 180—53)



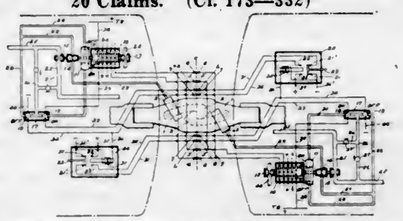
1. In combination, a motor vehicle having a motor, a winch mechanism including a winding drum and means for connecting the drum to the motor, said means including a clutch, means operable by the suction of the motor to disconnect said clutch and means actuated upon disengagement of the clutch for resisting rotation of the drum.

2,239,823

CAR COUPLER

Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application November 25, 1939, Serial No. 306,130
20 Claims. (Cl. 173—332)



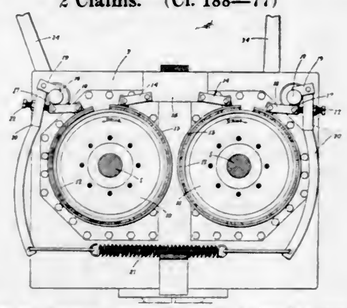
2. The combination with two cars, of a coupler for connecting said cars, mechanism on said cars having an "on" position adapted for coupled relation of said cars and an "off" position adapted for uncoupled relation of said cars, means operable while said cars are in coupled relation for setting said mechanism in its "off" position and for holding said mechanism in said position until said cars are separated, said means comprising a manually and electrically operable control switch in each car, separate electric circuits connected with the control switch in each car for inciting the mechanism in the said other car, means connected with each circuit and set in operation thereby, when the control switch therefor is closed, for setting the said mechanism incited by that circuit in its "off" position and for closing the control switch of the other circuit so that when either switch is manually closed the other switch will be automatically closed and said circuits will mutually cooperate to hold both switches closed and retain said mechanism in its "off" position until said circuits are opened by separation of said cars.

2,239,824

BRAKE-BAND MOUNTING

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation

Original application May 5, 1939, Serial No. 271,907. Divided and this application September 27, 1940, Serial No. 358,576
2 Claims. (Cl. 188—77)



1. In a power control unit, a brake drum, a

split band thereon anchored at one end, a link connected to the other end of the band and extending substantially tangent thereto in a direction away from said one end, a rotary brake release shaft parallel to the axis of the drum and disposed adjacent the outer end of the link, an arm rigid with and depending from the shaft on which the outer end of the link is pivoted, another link depending substantially parallel to and in lateral alinement with said arm on the side of the shaft opposite that from which the first named link projects, means pivoting said last named link in connection with the shaft, an adjustment screw mounted in said last named link and engaging the adjacent side of the arm and a spring acting on said last named link and forcing said screw against the arm.

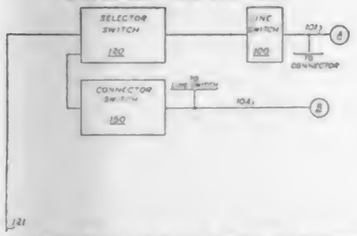
2,239,825

TELEPHONE APPARATUS

Clarence Ernest Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application April 22, 1938, Serial No. 203,474. Divided and this application October 23, 1939, Serial No. 300,855

6 Claims. (Cl. 179—17)



1. In a telephone system, a ringing interrupter switch comprising, in combination, a plurality of bank contacts arranged in sets, wipers respectively associated with said contact sets, motor means for driving said wipers over the contacts of the respective associated sets, said wipers being adapted to be connected to a source of ringing current, a plurality of ringing current conductors terminating at said bank contacts, the number of said conductors being greater than the number of said contact sets, and jumper connections extending between certain of the contacts of different contact sets which terminate certain of said conductors, said jumper connections and said ringing current conductors being so connected and arranged that at least a portion of said wipers are operative to impress the voltage of said source on at least two of said ringing current conductors during each ringing cycle of said switch and the coded character of the voltage impressed on said conductors is different for each of said conductors.

2,239,826

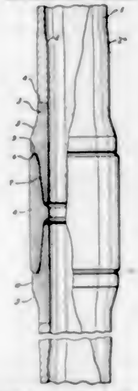
TOOL JOINT

Ralph Neuhaus, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application July 15, 1940, Serial No. 345,460

2 Claims. (Cl. 285—146)

1. A drill stem section, short pin members on said section at each end thereof, a sealing shoulder on each of said members, a tapered and threaded pin on the extremity of said section beyond each of said shoulders, an elevator on each member spaced closely to said sealing shoulder and tapered in a direction away from said threaded end, and a coupling member of larger external diameter than said pin members



adapted to receive wear incident to operation and threaded to engage said pin members and sealing with said shoulders.

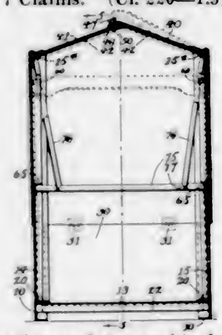
2,239,827

HARVESTING AND STORAGE BIN

Louie Crayton Pilcher, Dothan, Ala.

Application January 28, 1939, Serial No. 253,460

7 Claims. (Cl. 220—1.5)



1. A harvesting and storage bin for cotton provided with a bottom, side walls and end walls, longitudinal bars supporting the bottom above the ground, vertical bars connecting the longitudinal bars to the side walls, transverse bars connecting the longitudinal bars together and supporting the bottom, diagonally disposed bars secured to the side walls and to the vertical bars, lids hingedly connected to the upper edges of the side walls for closing the top of the bin.

2,239,828

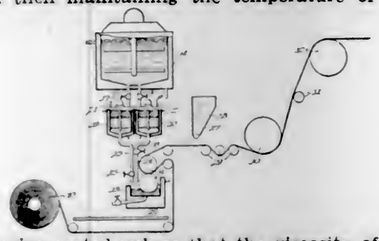
COATED ABRASIVE

Nicholas E. Oglesby, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

Application February 6, 1937, Serial No. 124,507

3 Claims. (Cl. 51—293)

1. The method of making sandpaper which comprises heating a batch of a highly viscous synthetic resin adhesive to reduce its viscosity to substantially a coatable state, while the resin is in this state, mixing an accelerating curing agent therewith which promotes substantially immediate thickening of the resin at the coating temperature, then while maintaining the temperature so that the viscosity of the mixture is capable of picking up a desired grit weight, coating the same upon a backing and applying the abrasive grit, and then maintaining the temperature of the



abrasive coated web so that the viscosity of the coating will increase rapidly enough to retain the grit in its initially applied positions and prevent movement of the grit during the curing of the resin due to the thickening of the resin and the catalytic action of the accelerating agent.

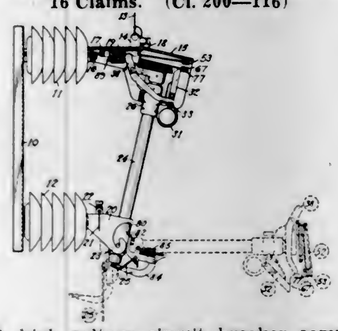
2,239,829

HIGH VOLTAGE CIRCUIT BREAKER

Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.

Application January 3, 1938, Serial No. 183,077

16 Claims. (Cl. 200—116)



1. A high voltage circuit breaker comprising spaced terminals, a hollow tube of insulating material spanning said terminals and movable between closed and open positions, means including a conductor within said tube and a bimetallic element externally mounted on said tube for electrically connecting the terminals, latch means cooperating with said bimetallic element for maintaining said tube in the closed position, means biasing said tube to the open position, and means responsive to a movement of said bimetallic element for unlatching said tube, said bimetallic element embodying ambient temperature compensating means whereby said movement is substantially dependent only upon the magnitude of current therethrough.

2,239,830

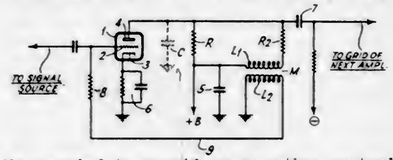
WIDE BAND AMPLIFIER

John A. Rankin, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 1, 1938, Serial No. 232,711

2 Claims. (Cl. 179—171)

1. In a wide band signal amplifier of the type comprising at least one amplifier tube provided with a resistance coupling element in its output; means for compensating the effect of the inherent output capacities of the tube, said means comprising an inductive element arranged in series with said resistance element, a second inductive element connected between said tube input electrodes, said inductive elements being magneti-



cally coupled to provide a negative mutual inductance, and said resistance element and mutual inductance developing a signal voltage which is applied to said input electrodes in phase quadrature with the signal input voltage thereby to cancel out the effect of said inherent capacities.

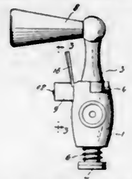
2,239,831

SAFETY LATCH FOR GAS VALVES

Michael J. Sadvary, New York, N. Y.

Application April 18, 1939, Serial No. 268,601

4 Claims. (Cl. 251—164)



1. A valve for gas stoves and the like comprising a valve member, a handle at one end thereof, a casing surrounding said member and connected to a gas supply, a latch projecting through said casing and into said member to lock the same in closed position, a spring for holding said latch in said position, an operating lever having a portion bearing against said casing, said bearing constituting the fulcrum of said lever, said lever having an opening in an intermediate portion thereof, said latch passing through said opening, an extension on said lever projecting in proximity to and below said handle and adapted to make contact with the finger of the operator, said extension being on the same side of said casing as said valve handle and being movable in a direction directly towards said valve member, a support secured to said casing, the free end of said latch being held therein, one end of said spring contacting with the inside of said support and surrounding said latch, the other end of said spring bearing against said lever.

2,239,832

INSECTICIDE

Lloyd E. Smith, Washington, D. C., assignor to Henry A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application February 10, 1939, Serial No. 255,701

3 Claims. (Cl. 167—30)

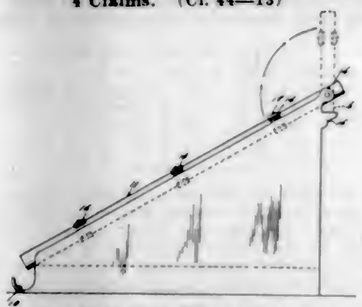
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide containing as its essential active ingredient p-aminoacetanilide.

2. An insecticide containing as its essential active ingredient m-aminoacetanilide.

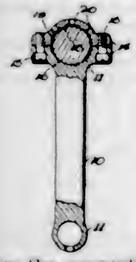
3. An insecticide containing as its essential active ingredient o-aminoacetanilide.

2,239,833
FUEL FORM MANUFACTURING APPARATUS
Kindred Lane Storrs, Coal City, Utah
Application September 14, 1939, Serial No. 294,971
4 Claims. (Cl. 44—13)



1. A heating and molding apparatus of the character described comprising an elongated hollow member open at its opposite ends, heating means, a supporting structure for supporting the hollow member in an inclined position over the heating means, a pivotal connection between the upper end portion of the hollow member and the upper portion of the supporting structure when the hollow member is in inclined position, and means for closing the pivoted end of the hollow member when the hollow member is raised to a vertical position.

2,239,834
BEARING
Judson Williams, Philadelphia, Pa.
Application December 12, 1939, Serial No. 308,873
5 Claims. (Cl. 308—23)



1. A bearing for the connecting rod of an engine developing a thrust load in a single direction on the rod and including a portion having a journal surface of substantially less than 180° and shaped to a working fit with a revolving element, said surface being disposed on that portion of the rod fashioned to receive said load, and a portion having a part thereon to coact with said element for normally maintaining said surface in working engagement with said element but of attenuated mass incapable of sustaining the thrust load and presenting only frail area in working contact with said element to be mutilated thereby as the bearing shrinks and avoid grabbing of said element by the bearing when chilled.

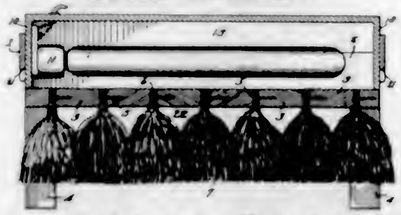
2,239,835
DENTAL ARTICULATOR
Henry Zimmerman, Chicago, Ill.
Application November 8, 1937, Serial No. 173,337
4 Claims. (Cl. 32—32)

4. In a dental articulator, a denture holding base member, a denture holding plate, and a pair of standards in pivotal support of said plate, said standards each comprising an upright helical spring and a connector post having a threaded section corresponding in pitch with the helical turns in such spring and being in threaded relation with the upper end thereof, a pair of anchor



members secured to the base member and each having a threaded section corresponding in pitch with the helical turns of said springs and being respectively in threaded relation with the lower ends thereof for holding said springs in anchored relation with the base member, and means pivotally connecting said holding plate onto said connecting members.

2,239,836
FIBER HOVER
Tyler D. Abercrombie, Ashburn, Ga.
Application June 9, 1938, Serial No. 212,822
1 Claim. (Cl. 119—33)

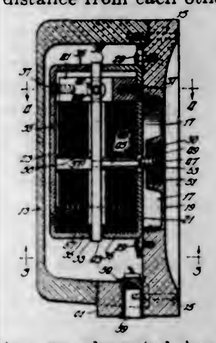


A hover including a box-like casing defining a heating chamber, legs supporting the casing at its corners, parallel rails constituting the bottom of said chamber, a row of spaced clusters of fibrous material attached to one side of each rail and gripped by one side of the next adjoining rail, said clusters of material being suspended below the rails and all of the clusters being gradually enlarged in a downward direction to provide crossed communicating air spaces under the rails and a compact mass of fibers below said spaces substantially filling the area between the legs, said crossed spaces constituting ducts for distributing air to all portions of the mass, those portions of the clusters held between the rails being spaced to provide air vents, and a heating element in the casing above the vents.

2,239,837
TELEPHONE RECEIVER
Paul A. Bottorff, Des Plaines, Ill., assignor to Electro-Acoustic Engineers, Des Plaines, Ill., a partnership consisting of Paul A. Bottorff and Charles A. Bottorff
Application June 8, 1939, Serial No. 278,039
5 Claims. (Cl. 179—107)

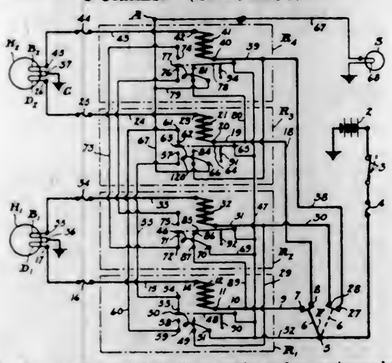
1. In a receiver of the class described, a casing which includes a plate member of non-magnetic material having relatively rigid edge portions and a centrally located, relatively flexible diaphragm portion which constitutes the vibratory element of said receiver for contacting a portion of the bony structure of the user of said

receiver, and means located within said casing for actuating said vibratory element, said last mentioned means comprising a stationary permanent magnet structure which is fixedly attached to the rigid edge portions of said plate member and which includes cooperating pole pieces for creating two separate magnetic fields spaced some distance from each other, an arma-



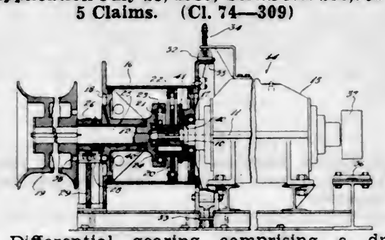
ture comprising an elongated bar member of magnetic material pivotally supported upon a stationary support means which is fixedly attached to the rigid edge portions of said plate member, said armature having a portion located within each of said spaced magnetic fields, and means mechanically connecting said armature to the diaphragm portion of said plate member.

2,239,838
LIGHTING SYSTEM FOR AUTOMOBILES
Robert C. Bratt, Cleveland, Ohio
Application February 7, 1940, Serial No. 317,784
3 Claims. (Cl. 171—97)



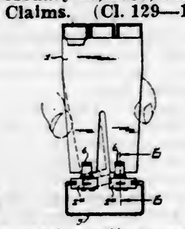
1. An electrical lighting system for automobiles comprising two head lamps with at least a dim filament and a bright filament each, a light switch, a source of electrical energy, only two separate relays for each of said head lamps, each relay having a single solenoid operating coil, which is connected in series with only one of said filaments, and normally closed main contacts, and a manually operable selector switch for selectively connecting said bright filament or the dim filaments and the respective operating coils in series therewith to said source of energy, one terminal of the operating coil of each relay being permanently connected to a terminal of said selector switch, the other terminal being permanently connected to a single filament, one of said main contacts of each relay being movable and being connected through said light switch to said source of energy regardless of the position of said selector switch, the other of said main contacts of each relay being stationary and being electrically connected to the operating coil of the other relay for the same lamp, said main contacts of each relay being opened by the operating coil only when lighting current passes therethrough, any relay having a coil in series with a manually connected filament being automatically operable by a failure of current flow through said manually connected filament to divert the current to a manually unconnected filament of said lamp without affecting the connection of the other head lamp.

2,239,839
DIFFERENTIAL GEARING
Melvin B. Benson, Plainfield, N. J., assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J., a corporation of New York
Application July 28, 1939, Serial No. 286,961
5 Claims. (Cl. 74—309)



1. Differential gearing comprising a drive member in the form of an eccentric rotatable about a given axis, a first gear element and a second gear element fixed with respect to each other for rotation together, said gear elements being associated with said eccentric to be operated thereby and rotatable with respect to said eccentric about the axis of eccentricity thereof, a first ring-gear meshing with said first gear element and supported for rotation about said given axis, a second ring-gear meshing with said second gear element and supported for rotation about said given axis, power means for said gearing having a casing and a power shaft fixed with respect to said eccentric for rotating the same about said given axis, a drum enclosing said gear elements and said ring-gears, said first ring-gear being fixed with respect to said drum, a fixed bearing, said drum at one end thereof being supported directly by said casing and at its other end by said bearing for rotation about said given axis, and means for holding either said drum or said second ring-gear against rotation while at the same time permitting of rotation of the other.

2,239,840
METAL TAB ATTACHMENT
Charles C. Casey, Detroit, Mich.
Application February 13, 1939, Serial No. 256,127
2 Claims. (Cl. 129—15)



1. A tab for use in sorting machines compris-

ing a card having a bifurcated lower portion, a thin two part block for said card made of light material, a thin hinge construction pivotally connecting each portion of the bifurcated card with one part of the block and means on the outer end of each block part for ready attachment to and detachment from a tray in which the tab blocks are adapted to be engaged.

2,239,841

LUBRICATING OIL AND LUBRICATION THEREWITH

Elmer William Cook, New York, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware

No Drawing. Application December 12, 1938, Serial No. 245,218
7 Claims. (Cl. 252—51)

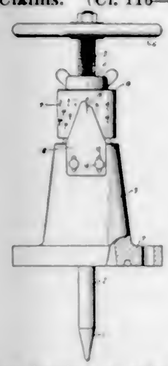
1. Method of lubricating bearing surfaces, at least one of which comprises an alloy having substantially the corrosion susceptibility of cadmium-silver, cadmium-nickel and copper-lead alloys, which comprises applying to the bearing surfaces lubricant having incorporated therein a sufficiently oil-soluble organic morpholine derivative in corrosion inhibiting proportions.

2,239,842

VALVE INDICATOR

Seth Evans, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application December 1, 1938, Serial No. 243,317
4 Claims. (Cl. 116—125)



1. In a valve having a valve bonnet, and a valve stem threaded therethrough, the combination of a cap shaped body fitting loosely over and enclosing about the upper end of said bonnet, said body being screwed upon said stem, means to fix said body non-rotatably upon said stem, a scale marked on said body, and a pointer on said bonnet adjustable longitudinally of said scale.

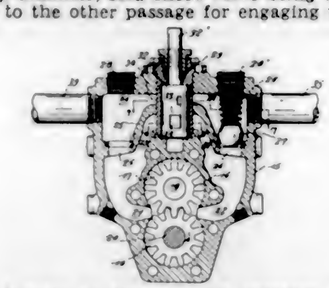
2,239,843

HYDRAULIC HOIST MECHANISM

Karl Felicke and Vivian L. Farnsworth, Galion, Ohio, assignors to The Perfection Steel Body Company, Galion, Ohio

Application August 5, 1939, Serial No. 288,684
2 Claims. (Cl. 60—52)

1. A gear pump, comprising, a casing having a pump chamber for intermeshing gears, a pair of intermeshing gears rotative within said chamber, a pair of main passages respectively as intake and delivery relatively at opposite sides of said pump chamber, each at one end in communication with said chamber, a valve seat for a check valve respectively sub-dividing each of said passages, a check valve for one of said passages when functioning for fluid delivery engageable with the seat therein to withhold back-flow of fluid to the pump chamber, said check valve being transferable to the other passage for engaging with the



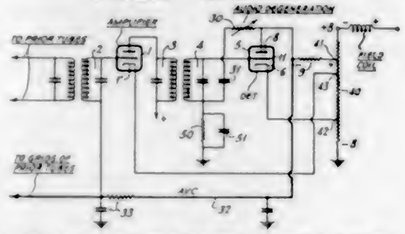
seat therein to alternate the passages for fluid intake and delivery, by-passages respectively intermediate said main passages in communication therewith and relatively at opposite sides of said valve seats in said passages, and a valve traversing said by-passages to independently and conjointly control the same.

2,239,844

AUTOMATIC VOLUME CONTROL CIRCUITS

Dudley E. Foster, South Orange, N. J., and Garrard Mountjoy, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 4, 1938, Serial No. 233,164
4 Claims. (Cl. 250—20)



1. In a detection network, a tube having at least a cathode, a plate and a control grid, a signal input circuit connected between the grid and cathode, a resistive impedance connected between said plate and cathode, a path of low impedance to audio frequency currents connected between a point on said resistive impedance and said control grid, said path being constructed to impress audio voltage developed across said impedance upon said grid in degenerative phase with the audio modulation on the carrier at said input circuit, a second connection to said impedance for deriving therefrom solely a direct current voltage developed thereacross by the tube space current, and means for biasing the grid so that the network detects by plate rectification.

2,239,845

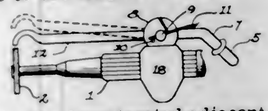
ATTACHMENT FOR DENTAL HANDPIECES

Francis J. Gibbons and John J. Gibbons, Scranton, Pa., assignors of one-third to Anna Gibbons, Brentwood, Md.

Application June 29, 1940, Serial No. 343,238
1 Claim. (Cl. 32—28)

A nozzle attachment for a dental handpiece of the type comprising an elongated handle and a circular abrasive stone rotatably mounted upon

one end of said handle, said nozzle attachment comprising a clamp embracing the handle, a concave seat upon said clamp, a hollow spherical valve housing supported upon said seat, means including a flexible conduit for connecting said valve housing to a source of water supply, said valve housing being adjustable lengthwise of the handle, an elongated fluid-discharge tube extending from said valve housing to a position adjacent the abrasive stone, said fluid-discharge tube having its outlet disposed so as to direct a jet of water therefrom at approximately right angle to the longitudinal axis of the tube,



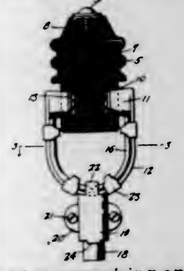
a valve-operating lever located adjacent the valve housing for controlling the passage of water therethrough, an interfitting key-and-slot connection between the spherical valve housing and the seat permitting rotative adjustment of said housing upon its seat in a plane substantially including the longitudinal axis of said fluid-discharge tube, an ear projecting from said clamp, fastening means extending between the ear and valve housing adapted to retain the valve housing in any selected position of pivotal adjustment upon its seat, and a valve-operating lever located adjacent the valve housing for controlling the passage of water therethrough.

2,239,846

ELECTRICAL CONNECTION PLUG

Arthur H. Gifford, Santa Maria, Calif.

Application January 30, 1940, Serial No. 316,427
1 Claim. (Cl. 173—324)



A connector plug comprising an insulated body including a connector part adapted for insertion in an electric outlet receptacle and an extension outwardly of said connector part, said extension having a plurality of recesses therein arranged in pairs at opposite sides of the extension, conductors embedded in the extension having portions exposed at the bases of said recesses and a conductor clip detachably engageable with the extension and having opposed inwardly projecting contacts adapted to enter a pair of the recesses for contacting said first named conductors.

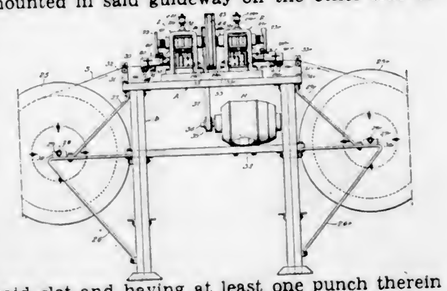
2,239,847

MACHINE TOOL

Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application December 13, 1938, Serial No. 245,539
21 Claims. (Cl. 164—48)

1. In a machine tool for making small but difficult products from relatively thin stock, a frame, a guide block mounted in said frame and having a guideway formed therein in which both a punch and die assembly may be mounted to insure accurate alignment thereof, said block having a stock receiving slot formed therein and extended across said guideway, a die assembly fast in said guideway on one side of said slot and having at least one die opening therein, a punch assembly mounted in said guideway on the other side of



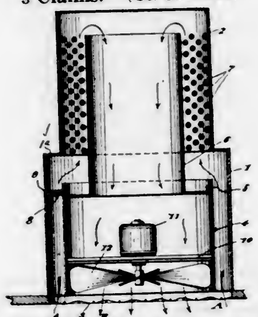
said slot and having at least one punch therein adapted to seat in said die opening, and means for imparting a reciprocatory movement at least to the part of said punch assembly carrying said punch and operable to advance said punch across said slot and into said die opening and to retract said punch from said die opening back across said slot whereby said punch operates on stock disposed in said slot between said die opening and said punch.

2,239,848

AIR CONDITIONING APPARATUS

George Addis Jackson, Tulsa, Okla.

Application August 13, 1940, Serial No. 352,450
3 Claims. (Cl. 62—140)



1. In an apparatus of the class described, the combination of a primary casing provided with a dome, an auxiliary casing within said primary casing, said auxiliary casing provided with a drip pan in its upper portion, a shell within said dome and constituting a portion of said drip pan, coils within said dome around said shell, and a motor-driven fan within said auxiliary casing.

2,239,849

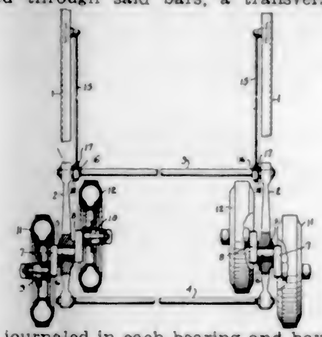
VEHICLE AXLE

Elroy F. Judd, El Campo, Tex., assignor, by direct and mesne assignments, to T. E. Ferris, Harris County, Tex.

Application November 21, 1939, Serial No. 305,431
6 Claims. (Cl. 280—81)

1. In a vehicle having a main frame, a subframe flexibly supporting a portion of the main

frame and comprising a pair of rigid transversely interconnected longitudinal bars, one adjacent each side of the main frame, transverse bearings formed through said bars, a transverse short



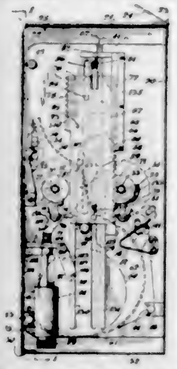
shaft journaled in each bearing and having forwardly and rearwardly offset crank arms, spindles on the ends of the arms, and wheels supporting said spindles.

2,239,850

TOWEL DISPENSING APPARATUS

Paul F. Hoag, Brooklyn, N. Y., and Paul D. Payne, Irvington, N. J.; said Payne assignor to said Hoag

Application October 7, 1939, Serial No. 298,380
22 Claims. (Cl. 312—38)



9. In towel dispensing apparatus, in combination, roller means for advancing fresh toweling from a supply thereof, reversible roller means for displacing toweling handled by the first mentioned means, a single control device and means responsive to a single operation thereof for operating both said roller means to cause each to advance a portion of toweling toward the other, to establish a loop of toweling for use.

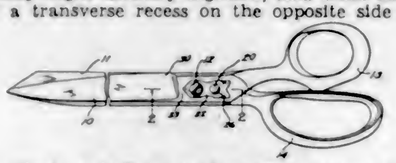
2,239,851

SHEARS

Alden A. Lincoln, Bridgeport, Conn., assignor to The Acme Shear Company, Bridgeport, Conn., a corporation of Connecticut

Application July 29, 1939, Serial No. 287,202
3 Claims. (Cl. 30—268)

1. A shear comprising a pair of pivoted blades having contacting cutting edges curved longitudinally of the blades with the concave sides at the inner and contacting edges, one of said blades being loosely mounted on the pivot for limited lateral rocking movement and spaced a short distance from the other blade at said pivot, a spring plate mounted on the pivot and having one end engaging the outer surface of the latter blade between the pivot and the cutting edges so that when tensioned it tends to press the cutting edges laterally together, said blade having a transverse recess on the opposite side of



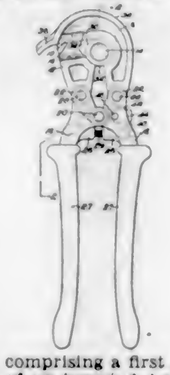
the pivot, a ball in said recess engaging the spring and the adjacent surface of the other blade, and an inclined cam surface on the second blade on which the ball rolls as the blades are swung about the pivot and arranged to gradually increase the pressure of the spring on the first blade as the blades move toward closed position and the point of contact between their cutting edges moves outwardly away from the pivot.

2,239,852

WIRE CUTTER

Francis T. Lind, Everett, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts

Application April 12, 1939, Serial No. 267,515
4 Claims. (Cl. 30—193)



1. A cutter comprising a first head lever of the general form of an inverted J and having a cutting edge at the inner side of the overhanging arm thereof extending substantially at right angles to the length of the two whereby it may be engaged in the manner of a hook over the further side of a wire, a second lever pivoted to the first received in the space beneath said arm and having an edge cooperating with the edge of the first, and means associated with the lever tails for manually actuating the tool, the head levers together defining a head of generally oval plan and the first lever having a broad exterior margin within the projected outlines of which are received at least those portions of the tool outward of the hand grips.

2,239,853

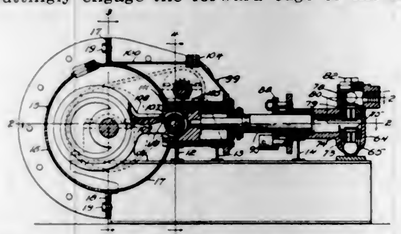
STEEL RECIPROCATING PUMP

Charles Harold Louree, Tulsa, Okla.

Application June 14, 1939, Serial No. 279,185
1 Claim. (Cl. 103—202)

In a pump construction; a tubular crankcase;

laterally extending, horizontally aligned tubular cylinders welded to and communicating with the crankcase, a rectangular sheet metal frame encompassing the said cylinders and with the rearward edge thereof contacting the crankcase, a plate extending laterally from the crankcase in superimposed relation to the cylinders, the forward margin of the plate curving downwardly to abuttingly engage the forward edge of the said



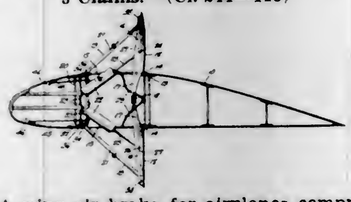
frame and with the end margins thereof bent downwardly to engage the crankcase and frame to define a fluid tight enclosure, which enclosure communicates with each of the cylinders through spaced ports extending through the frame and cylinder walls and with the crankcase through ports extending through the crankcase wall, said plates and tubular members being fabricated from structural shapes welded together to define a light, compact and durable structure.

2,239,854

WING AIR BRAKE

Cecil Leonard McCormick, Hialeah, Fla.

Application December 19, 1939, Serial No. 310,071
3 Claims. (Cl. 244—113)



1. A wing air brake for airplanes comprising, the combination with an airplane wing, of a panel hinged at the rear edge to the wing and adapted to form part of the wing surface in closed position and to extend substantially perpendicularly to the wing surface when open, spring means connected to the rear edge of the panel and adapted to initiate opening of the panel to permit the wind to complete opening movement of the panel, spring pressed latch means connected to the wing and engaging the panel to normally hold the panel closed, means for manually releasing the latch means, a combined shock absorber and pneumatic cylinder hinged to the wing and connected to the panel for opening the panel, and means for supplying a pressure medium to the cylinder.

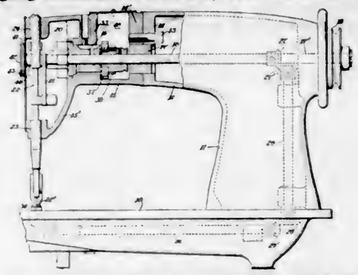
2,239,855

TAKE-UPS FOR SEWING MACHINES

Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application March 4, 1939, Serial No. 259,722
14 Claims. (Cl. 112—248)

1. A sewing machine having, in combination, a rotary needle-bar actuating shaft, a pair of rotary take-up shafts disposed on opposite sides of and parallel to said needle-bar shaft, thread engaging elements carried by said take-up shafts



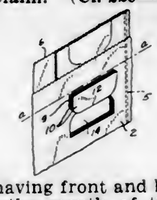
and operating on the same thread, and gearing connecting said shafts whereby all of said shafts are actuated at uniform angular velocities.

2,239,856

REINFORCED CARRY BAG

George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York

Application December 9, 1938, Serial No. 244,827
1 Claim. (Cl. 229—53)



A carry bag having front and back walls and a closing flap at the mouth of the bag foldable downwardly along a definite fold line, superimposed tongues cut from the bag walls, said tongues hinged at their upper edges adapting them to be folded upwardly, the hinge lines of the wall tongues being spaced from the line of fold of the flap a distance at least equal to the length of a tongue so that when said tongues are folded upwardly, edges opposite the hinge will substantially meet the line of fold of the flap, a tongue formed in the closing flap extending in an opposite direction from the wall tongues in the unfolded condition of the flap, said tongue, upon folding over of the flap, adapted to be passed through the openings of the bag walls and folded back when wall tongues have been folded forwardly and upwardly, the hinge line of the flap tongues and the hinge lines of the wall tongues being spaced an equal distance from the fold line of the flap, whereby the hinge portion of the flap tongue substantially coincides with the hinge portions of the wall tongues in the folded back position of the flap tongue.

2,239,857

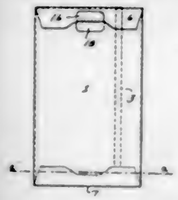
CARRY BAG

George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York

Application October 11, 1939, Serial No. 298,881
2 Claims. (Cl. 229—53)

1. A paper bag having front and rear walls, a bottom flap which is a prolongation of the front wall and folded over onto the rear wall to close the bottom of the bag, a top flap which is a prolongation of the rear bag wall and fold-

able over the mouth of the bag to close the same, a recess cut from the edge of said closing flap, a projection at the lower end of the wall of which said closing flap is a prolongation complemental to said recess and having a portion of a width



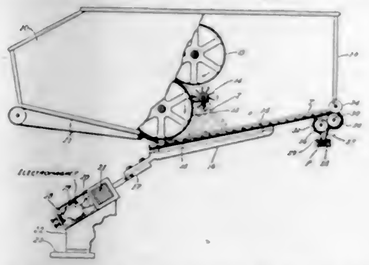
substantially one-third of the width of the bag extending across the line of fold of said bottom flap, and locking tongues cut from the bag walls adapted to be folded into said recess in the closing flap after the closing flap has been folded over to close the bag mouth.

2,239,858

TOBACCO CONVEYING AND FEEDING

Clifford F. Randolph, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application September 7, 1935, Serial No. 39,563
8 Claims. (Cl. 131—109)



5. In a machine for making smoking articles, the combination with a hopper holding a bulk source of supply of disintegrated tobacco, of a vibrating table arranged to receive tobacco from said supply, of means for imparting a diagonal vibrating movement to said table in a direction oblique to the plane of the table and toward one edge thereof to spread tobacco delivered there into a layer of uniform thickness and deliver the same in a substantially uniform stream over said edge, means for forming a filler of said tobacco for making said smoking article, a device for directing the tobacco fed over said edge to said filler forming means, and means coacting with said hopper to feed tobacco therefrom to said table at a portion thereof remote from said edge.

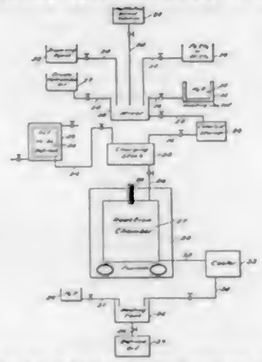
2,239,859

METHOD OF PURIFYING HYDROCARBON OILS

Elmer H. Records and James E. Louttit, Tacoma, Wash.

Application August 16, 1938, Serial No. 225,142
8 Claims. (Cl. 196—26)

1. The method of refining hydrocarbon oils containing sulfur compounds which comprises treating said hydrocarbon oil with a catalyst including a metal salt selected from the group consisting of ferric chloride, aluminum chloride, and a dispersing agent consisting of sulfonated



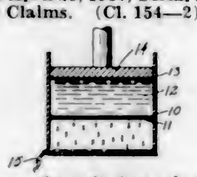
castor oil, at an elevated temperature to convert the sulfur compounds into soluble form.

2,239,860

METHOD OF MAKING PLASTIC PRODUCTS

Carlisle K. Roos, Wheaton, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application April 28, 1937, Serial No. 139,453
9 Claims. (Cl. 154—2)



1. The process of producing a hard, dense and strong gypsum wallboard and the like which comprises the steps of placing a mixture of calcined gypsum and water between two cover-sheets of paper, and applying sufficient pressure thereto to cause escape of excess water from the mixture through the sheets, said pressure being applied substantially over the entire area of the sheets at one time by mechanical means which force the gypsum crystals closer to each other, thereby increasing the density of the product.

2,239,861

METHOD OF MAKING PLASTIC PRODUCTS

Carlisle K. Roos, Wheaton, Delbert F. Jurgensen, Jr., Chicago, and Thomas P. Camp, Glen Ellyn, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application April 28, 1937, Serial No. 139,452
4 Claims. (Cl. 154—2)

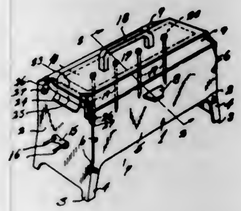
1. The process of making a hard, dense and strong set gypsum wallboard or the like which comprises gaging calcined gypsum with an excess of water over that required for the formation of calcium sulfate dihydrate, forming the resulting mixture into approximately the finished form of the wallboard or the like, then compressing the product thus made by means of flat platens, at least one of which is provided with a screen, with sufficient pressure over substantially the entire area thereof to cause the outflow of water from the product, the pressing taking place before the initial set of the material has taken place, removing the pressed boards from between the platens and supporting the same in flat condition but without pressure until the gypsum core thereof has set.

2,239,862

ELECTRIC TOASTER

Orvin V. Scalph and Enid W. Hufford, Spokane, Wash.

Application March 21, 1939, Serial No. 263,106
2 Claims. (Cl. 53—5)



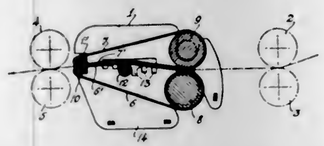
1. In a toaster, a hollow body open at its top and having a flat wall at one end, a strap extending transversely across the upper end portion of said end wall in spaced relation to the outer face thereof with its end portions secured to the end wall, a removable cover for said body consisting of a metal plate of dimensions adapting it to rest on the body in covering relation to the open top thereof with one end of the cover plate projecting from the body, the projecting end portion of the cover plate being bent downwardly to form a depending tongue bearing against the flat end wall of the body and passing through space between the wall and the strap and having its lower portion bent to form an outwardly deflected downwardly inclined lip engaging under the strap to releasably hold the cover plate in place upon the body, and means depending from the cover plate for supporting articles to be toasted within the body.

2,239,863

DRAW FRAME

Ludwig Schlipp, Kassel, Germany, assignor to Spinnfaser Aktiengesellschaft, Kassel-Bettenhausen, Germany, a corporation of Germany

Application July 5, 1938, Serial No. 217,383
In Germany October 22, 1937
8 Claims. (Cl. 19—131)



1. In a textile machine, a drawing frame comprising a pair of feed rollers, a pair of drawing rollers, a pair of endless belts intermediate said rollers, means for driving and guiding said belts at their return points, plates on both sides of said belts for supporting said driving and guiding means, a rod-shaped member adapted to support the upper side of the lower belt at a point intermediate said return points, and recesses in said plates for adjustably mounting said rod-shaped support member.

2,239,864

PROCESS FOR PRODUCING ETHYNYL CYCLOPENTANOPOLYHYDROPHENANTHRENE COMPOUNDS

Homer E. Stavely, Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application September 8, 1938, Serial No. 228,957
6 Claims. (Cl. 260—397)

1. The process of preparing an ethynyl-substituted cyclopentanopolyhydrophenanthrene which comprises reacting a cyclopentanopolyhydrophenanthrene having a keto group in the 17-position with acetylene in the presence of an alkali-metal tertiary alcoholate.

2,239,865

CATHODE RAY DEFLECTING COIL

Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 1, 1939, Serial No. 253,954
In Germany December 23, 1937
2 Claims. (Cl. 250—157)



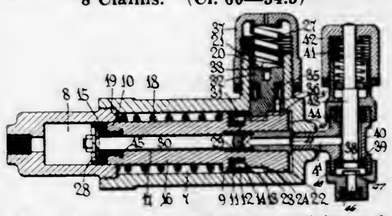
1. A deflecting coil system comprising a symmetrical closed magnetic core, a plurality of pairs of electrical conductor coils positioned upon said core, one of said pair having coils opposite to each other and each coil having a plurality of layers composed of consecutive turns, each of said layers commencing from the same end and being wound in the same direction.

2,239,866

HYDRAULIC POWER UNIT

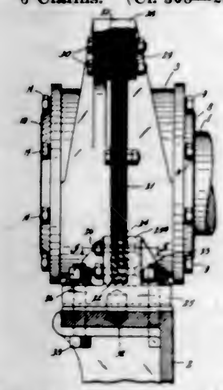
Carroll B. Vickers, Kenmore, N. Y., assignor to Vickers Manufacturing Corporation, Buffalo, N. Y.

Application August 11, 1938, Serial No. 224,322
8 Claims. (Cl. 60—54.5)



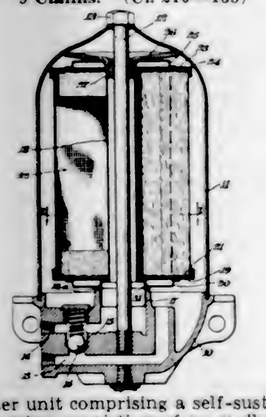
1. A hydraulic power system comprising a force applying unit including means for applying pressure to a confined body of liquid, a work unit including relatively movable piston and cylinder elements, the cylinder element being in line communication with the body of liquid whereby operation of the force applying unit will subject the liquid to a predetermined pressure for actuating the work unit to initially set the movable element of the latter with a predetermined force, and a force multiplier unit interposed in the communicating line and comprising a differential piston member having an opening therethrough to provide for such direct communication between the first and second units, means for closing the opening by and during movement of the piston member, and means for locking the piston member against movement up to said predetermined pressure and operable thereafter automatically to release the piston member.

2,239,867
SHAFT MOUNTING
Samson M. Weckstein, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 10, 1939, Serial No. 255,609
6 Claims. (Cl. 308—26)



1. A shaft mounting comprising a laminated flat metallic spring rigidly secured at one end, a shaft, and a housing rotatably supporting said shaft and rigidly secured to and sustained entirely by the other end of said laminated spring, said laminated spring being disposed crosswise of and edgewise to the axis of said shaft to thereby accommodate longitudinal movement and angular misalinement of said shaft through bending action of said laminated spring longitudinally of the shaft axis while substantially preventing bodily movement of said shaft crosswise of said axis.

2,239,868
FILTER
Lewis W. Williams, Short Hills, N. J., assignor to Motor Improvements, Inc., Newark, N. J., a corporation of Delaware
Application October 27, 1938, Serial No. 237,167
9 Claims. (Cl. 210—165)



1. A filter unit comprising a self-sustaining filtration member consisting of an endless strip of perforate metallic material infolded to form flanges extending radially from a central tubular passage and a length of filtering material contacting the entire outer face of said perforate metallic material, a cap engaging the entire surface of each end of said filtration member, an apertured tube extending through said central passage and said caps, and resilient means carried by said tube to press said caps against the ends of said member.

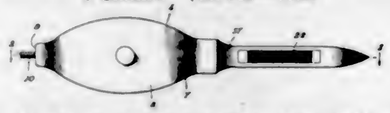
2,239,869
PROCESS FOR TREATING LIQUID ZINC AMALGAMS
Hermann Wolf, Ernst Kuss, Hans Hohn, and Fritz Stietzel, Duisburg, Germany, assignors of one-half to Duisburger Kupferhütte, Duisburg, Germany, and one-half to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application August 11, 1939, Serial No. 289,632. In Germany June 21, 1937
9 Claims. (Cl. 75—97)

1. Process for maintaining the good flowability of liquid zinc amalgam which consists in covering the liquid zinc amalgam with solutions of substances capable of dissolving zinc oxide and of such a concentration that the zinc amalgam is practically not attacked.

2. Process for maintaining the good flowability of liquid zinc amalgam which consists in covering the liquid zinc amalgam with aqueous solutions of substances capable of dissolving zinc oxide and of such a concentration that the zinc amalgam is practically not attacked.

3. Process for maintaining the good flowability of liquid zinc amalgam which consists in covering the liquid zinc amalgam with acid reacting aqueous solutions of substances capable of dissolving zinc oxide and of such a concentration that the zinc amalgam is practically not attacked.

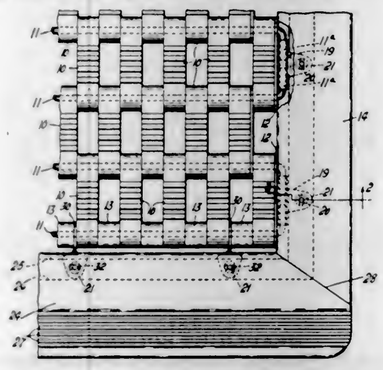
2,239,870
ELECTRIC FINGERNAIL FILE
Val Ariza, Tuscarora, Nev.
Application August 26, 1940, Serial No. 354,263
2 Claims. (Cl. 132—75.8)



1. A device of the character described, comprising, a hollow casing, a finger support detachably carried by said casing and formed with a guideway and a slot communicating with said guideway, a fingernail operating element slidably mounted in said guideway and accessible for engagement with a fingernail through said slot, and means carried within said casing and connected to said element for reciprocating the latter within said support.

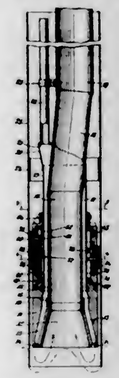
2,239,871
LINK MAT CONSTRUCTION
Harry W. Bell, Seattle, Wash., assignor to Durable Mat Company, Seattle, Wash., a corporation of Washington
Application December 6, 1938, Serial No. 244,193
5 Claims. (Cl. 20—78)

1. In a link mat construction, the combination of a mat body including a metal frame, a marginal strip of flexible material extending along a side of the mat, said strip being formed with a longitudinally extending groove in one marginal face thereof and formed rearwardly of said groove with a relatively narrow longitudinally extending slot that is open at one side throughout its entire length to the bottom of said groove, said groove and slot being coextensive with said strip, metal clips secured at spaced points to said metal frame positioned in the groove of said strip and formed with integral tongue portions extending into said



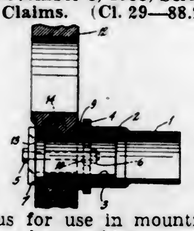
slot, and securing means extending only partly through the strip, from the bottom thereof, and concealed from the top thereof, engaging said tongue portions for attaching the strip to the body.

2,239,872
APPARATUS FOR SINKING FORMS FOR CONCRETE PILES
Emanuel T. Beplat, Flushing, N. Y.
Application March 25, 1939, Serial No. 264,109
6 Claims. (Cl. 61—78)



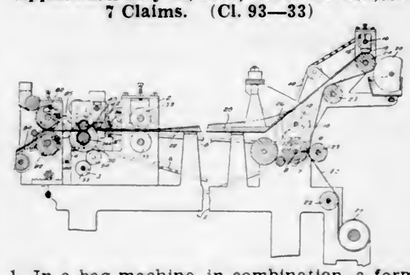
1. In apparatus for sinking forms, the combination of a tubular member adapted to be lowered into a form, said tubular member having a passage therein for directing air against earth at the bottom of the form, and having a centrally disposed discharge opening therein, a cover member on the form having an air inlet and a discharge outlet therein, a substantially airtight, telescoping conduit connected between said air passage and the air inlet, a second substantially airtight, telescoping conduit between said discharge opening and the discharge outlet, said conduits permitting relative movement of said tubular member with respect to the cover member during the sinking of the form, an anvil on the cover member, and means for striking the anvil, whereby earth within the form may be removed simultaneously with the driving thereof.

2,239,873
APPARATUS FOR MOUNTING CRANKPINS AND THE LIKE
Henry A. Bergert, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 3, 1938, Serial No. 238,513
4 Claims. (Cl. 29—88.2)



1. Apparatus for use in mounting a solid or hollow pin in a bore, said apparatus comprising a pilot sleeve for said pin, a centering sleeve adapted to slidably fit said pilot sleeve and said bore to thereby position said pilot sleeve in accurate axial alinement with said bore, means for rigidly clamping said pilot sleeve endwise in such position to the member having said bore therein, whereby said centering sleeve may be withdrawn endwise from said bore and said pilot sleeve and said pin slid endwise through said pilot sleeve into said bore, the bore opposing end portion of said pilot sleeve being counterbored, and a detachable adapter sleeve seated in said counterbore and having an inside diameter corresponding substantially to the diameter of the bore engaging portion of said pin.

2,239,874
CUTOFF MECHANISM FOR BAG MACHINES
Walter Bochow, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y., a corporation of New York
Application May 23, 1940, Serial No. 336,695
7 Claims. (Cl. 93—33)

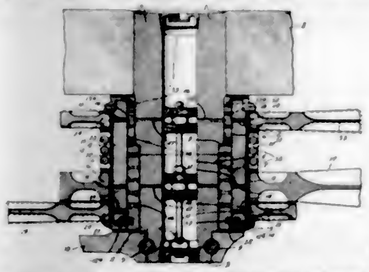


1. In a bag machine, in combination, a former about which a web of paper is folded to form a bag tube, said former having two cutting edges, and means cooperating with said cutting edges for causing one wall of said tube to be severed against one of said cutting edges and the other wall of the tube to be severed against the other cutting edge.

2,239,875
CRANKPIN BEARING
Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 1, 1937, Serial No. 123,373
5 Claims. (Cl. 308—37)

1. A locomotive rod bearing comprising a driving wheel having a crankpin, a floating bushing thereon, a floating main bushing on said first

mentioned bushing, a rod having an opening rotatably receiving said main bushing, and abutment means for the sides of said rod, the abutment means for the inner side of said rod comprising an annular abutment member mounted



on the inner end of said first mentioned bushing between said wheel and said rod but unsecured to said main bushing, whereby said main bushing is insertable in and removable from said bearing without removing said rod or said annular abutment member.

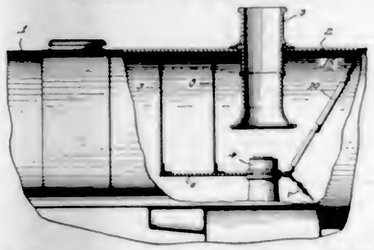
2,239,876

DEFLECTOR FOR LOCOMOTIVES

Sigurd E. Christophersen, East Milton, Mass., and Harry L. Fox, West Haven, Conn.

Application September 11, 1939, Serial No. 294,290

6 Claims. (Cl. 110—122)



1. A spark arrester for locomotives having a smoke box and a stack, comprising supporting means adapted to be mounted in the smoke box of a locomotive, and a plurality of spaced bars carried by the supporting means and extending across the path of the products of combustion as the products of combustion pass toward the stack, said bars being disposed in substantially parallel relationship and loosely carried by the supporting means for free and independent rotatable movement on their axes in use, while maintaining a substantially constant flow passage for the products of combustion.

2,239,877

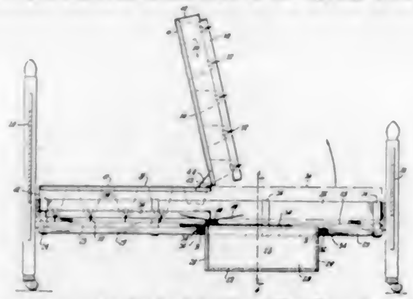
BED

Vincenzo Ciullo, Brooklyn, N. Y., assignor to Albert James Ciullo and Ralph Iacomino, jointly, both of Brooklyn, N. Y.

Application March 9, 1940, Serial No. 323,075

4 Claims. (Cl. 5—308)

2. The combination of a bed provided with head and foot pieces and side members, of a bed spring supported by said side members and foldable into two halves along a line extending transversely of said bed, longitudinal guide rails attached to said side members, a storage compartment between said guide rails and slidable therealong to be positioned beneath either half of the spring where-



by access may be had to it or the floor beneath it with either half of the spring raised.

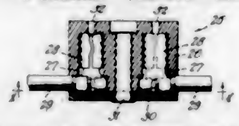
2,239,878

HEADLIGHT SOCKET

Harold H. Clayton, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana

Application October 20, 1939, Serial No. 300,314

6 Claims. (Cl. 173—328)



1. Electrical interconnecting means comprising, in combination, a conductor blade, a tubular section with a slot running longitudinally therethrough and adapted to have said conductor blade pushed therein, said slot having a projecting portion at which the clamping force of the entire tubular section is exerted against said conductor blade, and a bifurcated section extending integrally from said tubular section one fork of which is curled around a metal conductor while the other fork is curled around the insulation covering of said metal conductor.

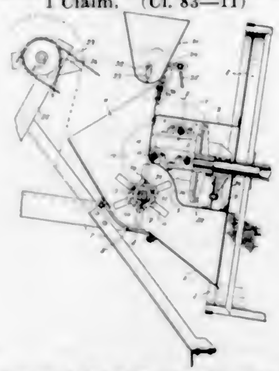
2,239,879

PEAT TREATING DEVICE

Nicholas A. Constantine, Duluth, Minn.

Application August 29, 1938, Serial No. 227,327

1 Claim. (Cl. 83—11)



A mixing and feeding unit for revolving peat screens having a central drive shaft, consisting of a comminutor housing located at the feed end

of said screen and discharging thereinto below the drive shaft, one end of said housing being above the axis of said drive shaft and being provided with means for receiving material to be treated, a comminutor disposed transversely and centrally of said housing and below said shaft axis, means disposed transversely of the bottom of said housing for convenient access to said comminutor and forming a portion of said housing, means supported upon said housing above said comminutor for feeding foreign material into said housing, and power means for simultaneously driving said comminutor, screen shaft, and foreign material feeding means.

2,239,880

MANUFACTURE OF SILICATES

Daniel B. Curll, Jr., Philadelphia, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application January 14, 1937, Serial No. 120,629

14 Claims. (Cl. 23—110)

4. In the production of alkaline metal silicates, the process which comprises mixing together silica sand with an alkaline metal salt having a melting point which is lower than the melting point of the sand and lower than that of the silicate product to be produced, in molecular proportions within the range of about $2SiO_2$:1 alkaline metal oxide to $1SiO_2$:2 alkaline metal oxide, said alkaline metal salt having an acid radical which is capable of being volatilized during the course of the reaction thereby raising the temperature at which the reaction mixture will form a melt, heating the resulting mixture under conditions producing a uniform distribution of temperature through said mixture, the substantially complete elimination of said acid radical and the formation of an alkaline metal silicate, the heating temperature at the start of the process being maintained below the fusion temperature of said alkaline metal salt until a substantial portion of said acid radical has been volatilized the heating temperature then being raised above said fusion temperature to complete the reaction but being maintained throughout the process below temperatures producing any substantial fusion of any of the ingredients of the reaction mixture, whereby a porous silicate product of non-vitreous appearance is produced.

12. As new compositions of matter, porous calcination products having a non-vitreous appearance comprising an alkali metal silicate having a molecular ratio of SiO_2 to alkali metal oxide ranging from about 2:1 to 1:2, said products containing finely-divided, interlocked crystals of an anhydrous alkali metal silicate giving the product an opaque appearance, the larger granules being oölitic in appearance, the granules consisting largely of crystals of sodium metasilicate, in the form of dendrites radiating from common centers like the seeds of a cockle-bur, said common centers consisting of a silicate glass, the more siliceous of said products also containing crystals of alkali metal disilicate, said products being readily and substantially completely soluble in water and having an apparent density ranging from about 0.6 to 1 when sufficiently fine to pass a 65 mesh screen.

2,239,881

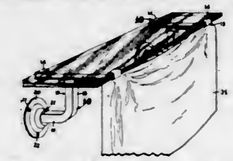
TOWEL SUPPORT

George B. Davis, Pasadena, Calif.

Application August 23, 1940, Serial No. 353,813

7 Claims. (Cl. 211—16)

1. In a towel support, a leg member, a shelf engaging strip supported on the leg member, said strip extending forwardly from said leg, a finger pivotally mounted beneath said strip, a spring



normally urging the finger towards the strip, said finger having a free end extending forwardly.

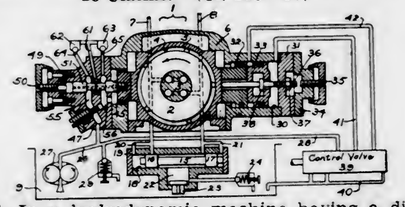
2,239,882

CONTROL FOR HYDRODYNAMIC MACHINES

Richard E. Davis, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 18, 1939, Serial No. 290,742

18 Claims. (Cl. 103—37)



1. In a hydrodynamic machine having a displacement varying member shiftable between zero and maximum displacement positions, the combination of means for moving said member from its zero displacement position to a maximum displacement position and tending to move it at high speed, means effective only at a point between said positions for interrupting the rapid movement of said member, and means for modifying the effect of said interrupting means to enable said moving means to move said member at slow speed past said point whereby the displacement of said machine is suddenly increased a predetermined amount and then maintained nearly constant for a predetermined period of time and then suddenly increased to a predetermined maximum.

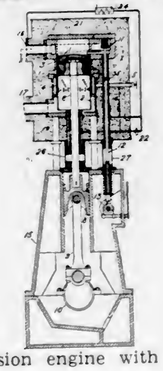
2,239,883

EXPANSION ENGINE

William Lane De Baufre and Theodore Anton Filipi, Lincoln, Nebr.; said Filipi assignor to said De Baufre

Original application March 4, 1936, Serial No. 67,108. Divided and this application June 30, 1937, Serial No. 151,198

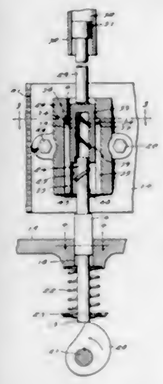
18 Claims. (Cl. 62—123)



12. An expansion engine with cylinder and

reciprocating piston therein for expanding a gas from an initial pressure to an exhaust pressure, an inlet valve for admitting gas at the initial pressure to said cylinder, a valve rod for opening said inlet valve, a sleeve surrounding said valve rod, and means for supplying dry gas under pressure to an intermediate point in said sleeve, whereby leakage of cold gas is prevented along said valve rod.

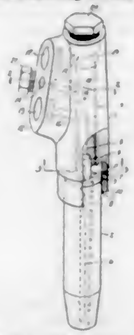
2,239,884
VARIABLE PUSH ROD FOR DIESEL INJECTORS
Lawrence J. Deeley, Blossvale, N. Y.
Application April 23, 1940, Serial No. 331,250
7 Claims. (Cl. 103—38)



1. In a fuel pump construction, a rotating cam, a push rod reciprocally actuated by the cam, a plunger arranged axially of the push rod and having a recess opening through its lower end to screw-threadedly receive the upper end of the said push rod, and a casing having a bore for reciprocally accommodating the plunger, the said bore having longitudinal grooves adapted to slidably receive trunnions formed on the plunger, which longitudinal grooves open into an annular groove disposed adjacent the upper end of the bore, said plunger being normally held in fixed association with the push rod by engagement of the trunnions within the longitudinal grooves but adapted to rotate relative thereto upon movement of the trunnions into register with the said annular groove.

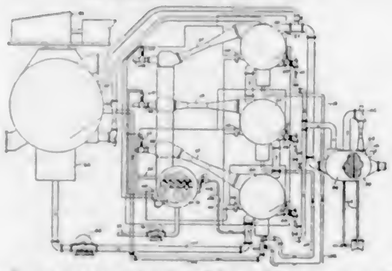
2,239,885
CUTTING AND WELDING TORCH
Sanford J. Errett, Portland, Oreg.
Application August 22, 1938, Serial No. 226,103
5 Claims. (Cl. 158—27.4)

1. In a cutting torch, a torch head and a cutting tip therefor, said torch head being provided with an outer end socket, the tip being provided with an extension designed to extend into said socket, an annular chamber formed about the extension and disposed between the end of the torch head and the end of the tip, a ferrule disposed over the inner end of the tip and forming the outer wall of said chamber, a passage in said torch head opening into said socket, a passage in said tip extending through said extension and registering with said passage in the torch head, and passages in said torch head and said tip opening into and leading from said chamber, said



extension being brazed into said socket to seal the flow of gas therethrough from said chamber.

2,239,886
POWER PLANT REFRIGERATING SYSTEM
Harry A. Feldbush, Short Hills, and Edward E. Wagner and Charles F. Hendrie, Newark, N. J., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 6, 1939, Serial No. 266,304
15 Claims. (Cl. 62—2)

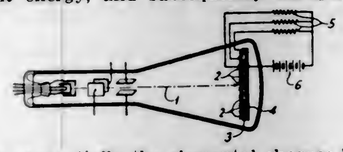


1. In a power plant refrigerating system the combination with, a main steam condenser for condensing steam in a power unit including a hot well and means for withdrawing non-condensable gases and vapor from said main condenser, of a secondary surface condenser for condensing vapor withdrawn from said main steam condenser, a flash tank, means for delivering water into said flash tank, a steam jet for evacuating said flash tank to lower the pressure therein for flashing and cooling water delivered thereto, said steam jet discharging into said secondary condenser, and means connecting said hot well and secondary condenser for circulating the condensate from the main condenser as cooling water through said secondary condenser.

2,239,887
LUMINESCENT SCREEN
Wolfgang Ferrant, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York
Application August 25, 1938, Serial No. 226,704
In Germany July 2, 1937
9 Claims. (Cl. 178—7.5)

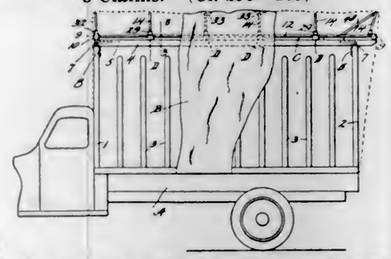
1. The method of reproducing images on a fluorescent screen which comprises the steps of producing substantially constant elemental charges on said screen, irradiating the screen

with radiant energy to induce fluorescence to produce illumination of said screen, removing the radiant energy, and subsequently abruptly re-



ducing sequentially the elemental charges in accordance with the light values of elemental areas of the image to be reproduced.

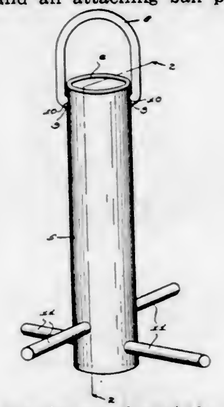
2,239,888
VEHICLE COVER SUPPORTING STRUCTURE
Samuel C. Forrester, Atlanta, Ga., assignor to Fulton Bag and Cotton Mills, Atlanta, Ga.
Application September 24, 1938, Serial No. 231,590
8 Claims. (Cl. 296—105)



1. A collapsible vehicle cover supporting structure including quick detachable parallel members and a supporting frame structure therefor, a series of bows bridging said members, co-acting means between the free ends of the bows and the parallel members to permit slidable movement lengthwise thereof, a cover supported by and connected to said bows, means for stretching and holding the cover taut over said bows, said means including brace members connected to the upper stretch of one of said bows, anchor elements having clamping sections connected to the frame and adjustably connected to and adapted to support said parallel members, certain of said anchor members clampingly carried by and adjustable longitudinally of said parallel members, stop means carried by said brace members at points adjacent their free ends and engageable with said anchor elements carried by the parallel members to maintain said bow in cover stretching position, and yieldable means co-acting with the free ends of said brace members to hold said stop means in engaged position with respect to said last mentioned anchor elements to maintain said cover taut irrespective of the shrinking and stretching incident to weather conditions.

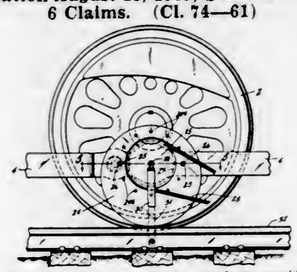
2,239,889
BOAT ANCHOR
Rodney C. Hobbs, Hammond, Ind.
Application July 27, 1939, Serial No. 286,912
1 Claim. (Cl. 114—206)

An anchor of the character described comprising a body consisting of an elongated tubular member open at its opposite ends, and a filler of heavy material completely filling the tube from end to end of the tube, said tube adjacent one end thereof being provided with two pairs of oppositely disposed apertures, the apertures of one pair being spaced longitudinally with respect to the apertures of the second pair, and disposed on the tube substantially at right angles to the apertures of the second pair, and straight rods extending through the apertures of the respective pairs, said rods having intermediate portions thereof passing through and anchored in the filler and secured by the filler against relative movement; and an attaching bail pivotally se-



cured to the tubular member at the end thereof remote from said rods, said bail having inwardly extending pintles and opposite side parts of the body having holes therein and the filler having oppositely arranged holes therein, the pintles passing through the holes in the body into the holes in the filler for rotary movement.

2,239,890
TESTING APPARATUS
Oscar J. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application August 18, 1939, Serial No. 290,728
6 Claims. (Cl. 74—61)

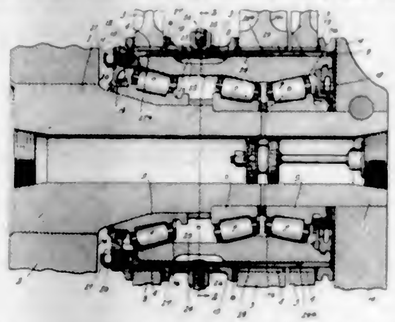


1. A vibrator for a stationary locomotive driver wheel having a projecting crank pin comprising a roller bearing on said crank pin, a sleeve on said roller bearing, an adjustable weight on said sleeve, means for rotating said sleeve and means for preventing rotation of said wheel.

2,239,891
LOCOMOTIVE ROD BEARING
Ralph E. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 20, 1940, Serial No. 314,775
13 Claims. (Cl. 308—78)

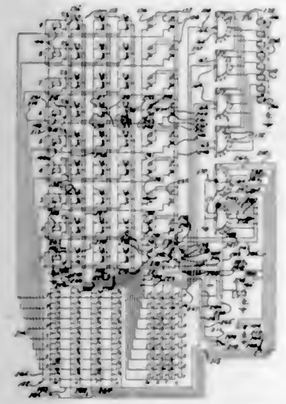
1. A locomotive rod bearing construction comprising relatively rotatable inner and outer raceway members, a support for said inner raceway member, a separate journal sleeve rigidly

mounted on said outer raceway member, a drive rod having a bearing rotatable on said journal sleeve, said outer raceway member and said jour-



nal sleeve cooperating to form a lubricant reservoir and passageways leading from said reservoir to the cooperating surfaces of said journal sleeve and said rod bearing.

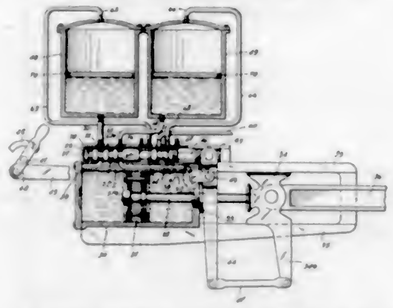
2,239,892
COMPUTING SYSTEM
Harold Glenn Johnstone, Oak Park, and Charles William Robbins, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1928, Serial No. 314,578
46 Claims. (Cl. 235—61)



1. In an electrical computing system, a plurality of sets of contacts for setting up and storing two multi-digit factors of a problem, a source of electrical energy, and cyclically operable means controlled by the setting up contacts for establishing electrical impulses corresponding in number to the value of each of the digits entering into the result of a computation.

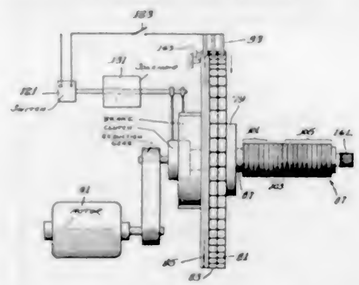
7. In an electrical computing system, a source of electrical energy, a device for successively setting up numbers to be added, means controlled by the setting means for establishing electrical impulses corresponding in number to the value of the digits indicated by the setting device, means for receiving said impulses to indicate the result of the addition, and electrical means for automatically returning the setting device and the means for establishing electrical impulses to normal.

2,239,893
POWER REVERSE GEAR
Arthur E. Jackman, Jr., Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 10, 1940, Serial No. 313,168
4 Claims. (Cl. 121—40)



1. A power operator comprising a cylinder having ports in opposite ends thereof, a piston reciprocable in said cylinder, separate reservoirs for supplying an operating liquid to and for receiving a return flow from said cylinder through the ports thereof, means for supplying fluid pressure to said reservoirs, ports for exhausting such fluid from the respective reservoirs, a single valve slidable longitudinally of said cylinder and manually operable to simultaneously establish at either end of its sliding movement communication between said reservoirs and said cylinder ports, between said fluid pressure supply and one of said reservoirs and between the other of said reservoirs and the exhaust port therefor and for cutting off communication between said fluid pressure supply and the reservoir open to the exhaust port therefor and between the reservoir open to said fluid pressure and the exhaust port for said last mentioned reservoir, and a mechanical connection between said piston and said valve, whereby said valve is adapted to move with said piston and cut off communication between said cylinder and said reservoirs and between the latter and said fluid pressure supply at a predetermined point in the travel of said piston in either direction.

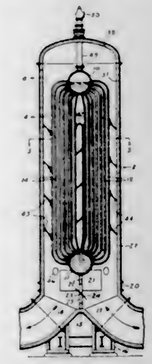
2,239,894
DISPLAY DEVICE
Thomas A. Keen, San Mateo, Calif., assignor to Hannah M. Smith, Chicago, Ill.
Application May 3, 1939, Serial No. 271,607
12 Claims. (Cl. 161—18)



1. In display apparatus comprising selectively

operable indicia display means, the combination, with said display means, of a cyclically operable timing device, control means under the control of said timing device for actuating said display means in accordance with the position occupied by said timing device at any predetermined position thereof within its operating cycle, means for setting and holding said timing device in a predetermined initial or starting position, means to release said timing device for operation at the beginning of a time interval to be measured, and means operating at the conclusion of said interval, as measured by the timing device, for actuating the display means to indicate the extent of said interval.

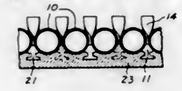
2,239,895
WASTE HEAT BOILER
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application December 15, 1938, Serial No. 245,938
4 Claims. (Cl. 122—7)

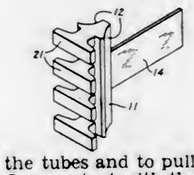


1. A waste heat boiler comprising an upper horizontal cylindrical steam-and-water drum, a lower cylindrical water drum beneath the upper drum and parallel thereto, a baffle extending upwardly from the lower drum, two banks of upright water tubes connecting the drums and located on opposite sides of the baffle, an upright metal casing enclosing the drums and water tubes, means providing a gas inlet passage adjacent the lower end of one tube bank, means providing a gas outlet passage adjacent the lower end of the other tube bank, a partition beneath the lower drum to separate the inlet passage from the outlet passage, the partition having an opening therein, and a damper to control the opening in the partition.

2,239,896
FURNACE WALL
Max H. Kuhner and Gustav A. Rehm, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application July 4, 1939, Serial No. 282,773
5 Claims. (Cl. 122—6)

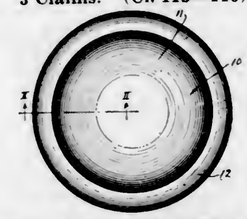
1. A furnace wall comprising a row of parallel cylindrical metal tubes with narrow spaces between them, blocks mounted on the inner side of the tubes and each having two concave cylindrical surfaces in contact with the surfaces of two adjacent tubes, and relatively thin plates of malleable metal extending outwardly from the blocks between the tubes, the outer portions of the plates being so twisted as to engage the outer





surfaces of the tubes and to pull the blocks outwardly into firm contact with the tubes.

2,239,897
METHOD OF MAKING WHEEL DISKS
George Albert Lyon, Allenhurst, N. J.
Application June 4, 1938, Serial No. 211,781
3 Claims. (Cl. 113—116)

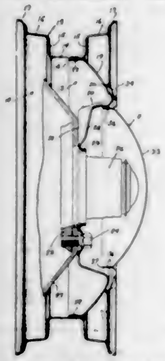


1. The process of manufacturing a wheel disk having an integral obliquely extending fastening flange which includes stamping a sheet metal blank into a form having a substantially flat central portion and an outer ring portion of predetermined configuration with an annular groove formed therebetween, drawing said central portion into a crown portion while maintaining the configuration of said ring portion, and pressing said crown portion toward said ring portion while substantially maintaining the configuration of both of said portions while simultaneously causing a portion of the metal in said crown portion adjacent said groove to collapse progressively away from the original position of said groove into a folded axially rearwardly extending integral depending flange, and thereafter obliquely bending said flange to form a wheel disk fastening flange over which resilient wheel disk mountings elements may be snapped.

2,239,898
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application November 2, 1938, Serial No. 238,299
3 Claims. (Cl. 301—37)

1. In a wheel and ornamental member assembly, the combination comprising a wheel having a plurality of radially inwardly extending protuberances on the outer face thereof, and an ornamental member disposed on the outer face of said wheel having radially inner and outer parts joined by an integral axially rearwardly extending normally circular folded flange, the rear edge portion of said flange being of greater diameter than the clearance diameter of said protuberances, said folded flange being telescoped with said wheel past said protuberances and said edge portion of said folded flange engaging be-

hind said protuberances, forcing said folded flange out of its normally circular position,



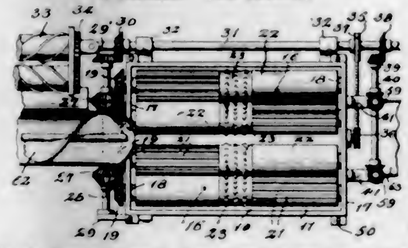
whereby said ornamental member is detachably secured to said wheel.

2,239,899

COMBINED CORNHUSKING AND AGITATOR DEVICE FOR CORN PICKING MACHINES

Bert Nightenhelser, Westfield, and Julius Ballard, Noblesville, Ind.

Application May 24, 1939, Serial No. 275,532
6 Claims. (Cl. 130—5)



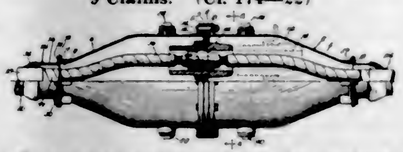
5. A husking roll for cornhusking machines comprising a steel core, a resilient corrugated sleeve on the core at one end, the corrugations extending longitudinally thereof, a smooth resilient sleeve upon the core at the other end and an annular rasp positioned on the core between the sleeves.

2,239,900

CABLE CONNECTING MEANS

Andrew E. Papp, Chicago, Ill., assignor to G & W Electric Specialty Co., Chicago, Ill., a corporation of Illinois

Application April 15, 1938, Serial No. 202,193
9 Claims. (Cl. 174—22)



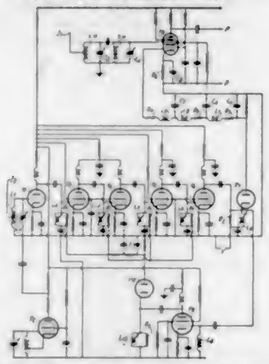
1. In an electrical stop joint, the combination of a housing, a partition for said housing having an insulator member extending laterally thereof and providing an opening through said partition, an insulated cable conductor extending into said insulator member, said insulation terminating in spaced relation to the end of said cable conductor, a connector mounted in said insulator member and connected to said cable conductor, said insulator embracing said connector and cable conductor and being disposed in overlapping relation to said insulation, and readily replaceable means for providing a fluid-tight joint between said insulator member and connector.

2,239,901

HIGH FREQUENCY SIGNAL TRANSMISSION SYSTEM

William Spencer Percival, London, England, assignor to Electrical & Musical Industries Limited, Middlesex, England, a company of Great Britain

Application September 35, 1936, Serial No. 102,485
In Great Britain November 8, 1935
9 Claims. (Cl. 250—20)



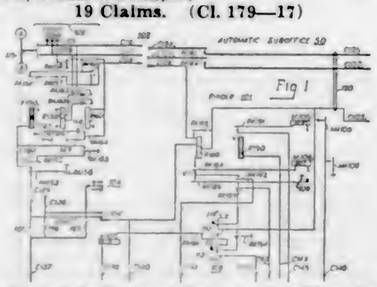
1. In combination with a signal receiver having at least one tube provided with a tuned signal input circuit, a control network adapted to reduce the signal transmission efficiency of said receiver during the reception of transient interference, said control network comprising a rectifier having a resonant input circuit tuned to a radio frequency, means for impressing on said rectifier input circuit transient interference impressed on said signal input circuit, means responsive to the rectifier output for reducing the gain of said receiver tube, said signal input circuit being of relatively high selectivity, and said rectifier input circuit having a relatively low selectivity.

2,239,902

TELEPHONE SYSTEM

Edward Sigford Peterson, Elmwood Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application October 3, 1938, Serial No. 233,021. Divided and this application June 30, 1939, Serial No. 282,106
19 Claims. (Cl. 179—17)



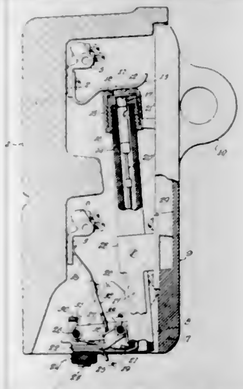
1. In a telephone system, a plurality of subscriber lines, a switching link operative to set up connections between said lines, first control means for causing said link to seize a calling one of said lines, second control means for causing said link to seize a called one of said lines, a number of characteristic sources of ringing current, means including a switch for selectively connecting any one of said sources of ringing current to a called line, means governed by said second control means for controlling said switch, means for releasing said link, and means including said switch for controlling said releasing means.

2,239,903

FUSE CONSTRUCTION

William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application February 27, 1939, Serial No. 258,708
27 Claims. (Cl. 200—114)



19. In a fuse construction, a housing having an upper and a lower stationary contact, a fuse tube within said housing having an upper contact engaging said upper stationary contact, a switch adjacent the lower end of said fuse tube normally engaging the lower of said stationary contacts and permanently biased towards open position away from said lower stationary contact, signalling means adjacent the lower end of said fuse tube normally housed within said housing and biased towards motion to an exposed position outside of said housing, said signalling means normally latching said switch against opening movement and said switch having movement independently of said signalling means when released from said signalling means, and a fuse link within said fuse tube connected in series with said switch between said upper and lower stationary contacts and normally restraining said signalling means from outward motion, said switch when in open position isolating the lower end of said fuse tube from said lower stationary contact.

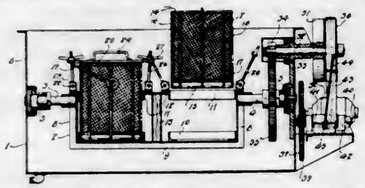
2,239,904

TUMBLING MACHINE

Karl Gustaf Soderberg, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware

Application March 23, 1940, Serial No. 325,619
3 Claims. (Cl. 141—1)

1. A machine for tumbling articles in the presence of a liquid comprising in combination a tank adapted to hold a liquid chemical, a U shaped frame rotatably mounted within said tank for rotation about a substantially horizontal axis, a plurality of ring members mounted in spaced relation one above the other on said U shaped frame, a foraminated basket adapted to be received within said ring members, a removable



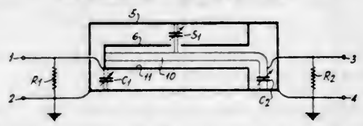
cover for said basket, and a swingable fastening means for securing the cover on the basket and for securing the basket within the ring members whereby the work within the basket is tumbled as the U shaped frame is rotated.

2,239,905

FILTER CIRCUITS

Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 19, 1938, Serial No. 191,424
22 Claims. (Cl. 178—44)



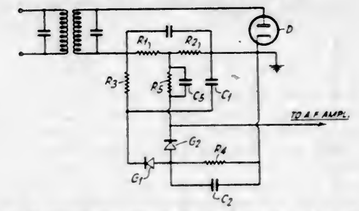
1. A filter circuit comprising an inner and an outer tuned circuit, each in the form of a concentric line resonator, each resonator having an outer and an inner conductor, the inner conductor of said outer resonator being hollow, said inner resonator being located within said hollow conductor, whereby the inner surface of said hollow conductor forms the outer conductor of said inner resonator, and means for capacitively coupling said resonators together in the interior of said outer resonator and intermediate the ends of said resonators to constitute a band pass filter.

2,239,906

NOISE CONTROL CIRCUIT

Otto Tüxen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

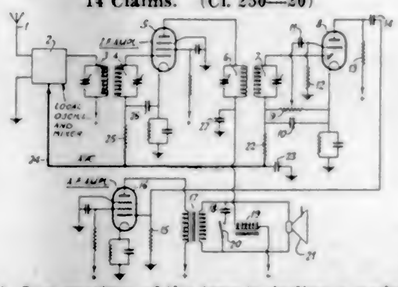
Application December 13, 1938, Serial No. 245,356
In Germany December 21, 1937
8 Claims. (Cl. 250—20)



7. In a carrier rectifier network of the type comprising a diode arranged in series with a carrier input circuit and load resistor, a shunt path across the load comprising a rectifier in series with a resistive impedance, a second path including a second rectifier connected between

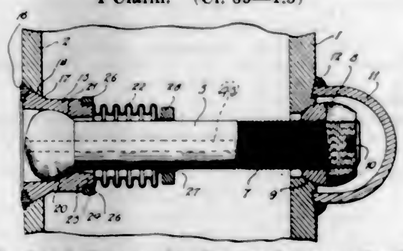
an intermediate point of said load resistor and the junction of said resistive impedance and first rectifier.

2,239,907
TUNING CONTROL CIRCUITS
Carel Jan van Loon, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 21, 1938, Serial No. 203,281
In Germany July 9, 1937
14 Claims. (Cl. 250—20)



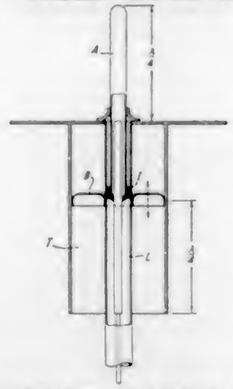
1. In a receiver of the type including a modulation signal carrier energy transmission network, a rectifier and a reproducer; the method which includes transmitting modulated carrier energy through said network, rectifying said transmitted carrier energy, reproducing the modulation frequencies of the rectified carrier energy, and greatly reducing the reproduction of the higher modulation frequencies in response solely to a departure of the said carrier frequency from a predetermined frequency value thereby to cause a distorted sound to appear at the reproducer to indicate detuning of the receiver.

2,239,908
STAY BOLT FOR BOILERS
Cletus V. Bauer, Yonkers, and Frank P. Cina, Port Richmond, N. Y., and Charles J. Zusy, deceased, late of Yonkers, N. Y., by Kathryn Zusy, administratrix, Nassau, N. Y.
Application May 6, 1939, Serial No. 272,098
1 Claim. (Cl. 85—1.5)



A stay bolt assembly for use between the fire box sheet and the wrapper sheet of a boiler comprising, a bolt having a head at one end, a sleeve positioned over the bolt, said sleeve having a seat for the bolt head and the bolt head and seat forming a ball and socket type connection, said sleeve being arranged to be secured in an aperture in the fire box sheet and to have its major portion lie between the said sheets of the boiler whereby the head of the bolt is countersunk and does not project beyond the fire box sheet, a metal bellows positioned over the bolt between the said head at one end and the opposite end of the bolt so as to lie between the said boiler sheets, said bellows having one end projecting to overlie a portion of the sleeve, and its other end projecting for substantial contact with the body of the bolt, and shrink rings applied over the extending ends of the bellows for clamping said ends respectively to the sleeve and bolt for sealing the connection between the bolt head and its seat.

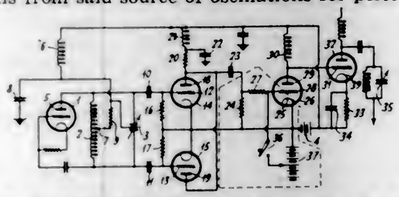
2,239,909
ANTENNA AND COAXIAL TRANSMISSION LINE CIRCUIT
Werner Buschbeck and Hans Prost, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 22, 1939, Serial No. 269,338
In Germany May 20, 1938
2 Claims. (Cl. 250—33)



1. In combination, an antenna adapted to be varied in length so as to be selectively operated on a plurality of frequencies, a coaxial feeder line having its inner conductor connected to said antenna, a counterpoise for said antenna connected to the end of the outer conductor of said feeder line, a hollow conductor surrounding a portion of the outer conductor of said feeder line and connected to said counterpoise, said hollow conductor having a length equal to a quarter of the length of the longest operating wave of said antenna and means connecting said hollow conductor to the outer conductor of said coaxial line, said last means being adjustable along said hollow conductor whereby the length thereof between said means and its free end may be adjusted to a quarter of the length of the operating wave.

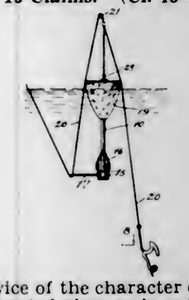
2,239,910
WAVE GENERATING MEANS
Newsome Henry Clough, Brentwood, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 5, 1938, Serial No. 200,134
In Great Britain April 6, 1937
6 Claims. (Cl. 250—36)

1. An efficient high-frequency wave generating system comprising in combination, a source of oscillations, an amplifier tube having a control grid electrode and cathode and having output electrodes, a reactive circuit tuned to a frequency related by an integral number to the frequency of said source of oscillations connected to said output electrodes, an inductive circuit coupled with said control grid and cathode, means for causing current to flow in said inductive circuit and for biasing said control grid negative relative to said cathode an amount sufficient to render said amplifier non-conductive when current flows in said inductive circuit, and means operated by oscillations from said source of oscillations for periodi-



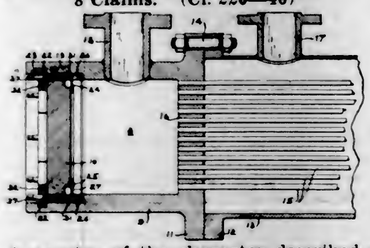
cally reducing the flow of said current in said inductive circuit at a frequency determined by the frequency of said oscillations to cause said amplifier to become conductive periodically and supply current impulses to said reactive circuit to produce therein oscillatory energy.

2,239,911
FLOAT ACTUATED FISHHOOK SETTER
Fred Dorn, Chicago, Ill.
Application June 15, 1940, Serial No. 340,634
13 Claims. (Cl. 43—49)



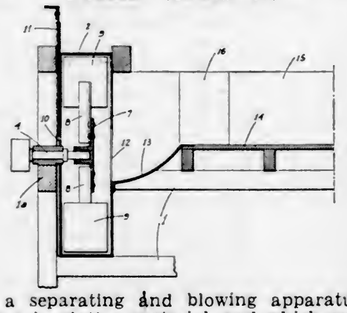
1. In a device of the character described, a tube, a spring-actuated plunger in said tube, a trigger movable with respect to said tube for holding said plunger in an inoperative condition, and a float slidable on said tube, said float engaging and moving said trigger in one position of said float to release said plunger for actuation by the spring thereof to an operative condition.

2,239,912
CLOSURE MEMBER FOR HIGH PRESSURE HEADS
Frederick K. Fischer, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 21, 1938, Serial No. 203,291
8 Claims. (Cl. 220—46)



1. Apparatus of the character described comprising a hollow, pressure-sustaining body member having a thrust shoulder and a sealing surface; a cover intermediate said thrust shoulder and said sealing surface; a plurality of shear pieces between said cover and said thrust shoulder for transmitting pressure from the former to the latter; an annular sealing member carried by the cover adjacent the sealing surface and having a rim portion and a flexible web portion; means providing sealing engagement of said web portion with the cover; and compression means for urging the rim portion towards the sealing surface.

2,239,913
SEPARATOR AND BLOWER FOR INSULATING MATERIALS
Carl C. Hall, Woodland, Calif.
Application March 24, 1939, Serial No. 264,048
1 Claim. (Cl. 302—37)

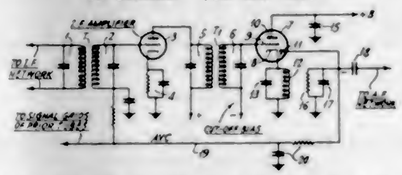


In a separating and blowing apparatus for building insulation material, and which apparatus includes a substantially cylindrical housing including spaced end plates, the housing having an intake opening and a discharge outlet therein, a driven shaft extending axially into the housing through one end plate and terminating short of the other, a rotary paddle unit mounted on said shaft within the housing, and an open topped feed chute leading to said intake opening; the paddle unit including a circular disc mounted concentrically at the end of the shaft in facing relation and relatively close to but spaced from said other end plate, said intake opening being circular and formed in said other end plate concentric to the disc, the diameter of the disc being substantially greater than the diameter of said intake opening, and the space between the disc and said other end plate being unobstructed.

2,239,914
FLOCKED PATTERN EFFECTS IN CELLULOSIC FABRICS AND THE PRODUCTION THEREOF
Georges Heberlein, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 11, 1940, Serial No. 329,107. In Switzerland April 15, 1939
23 Claims. (Cl. 41—41)

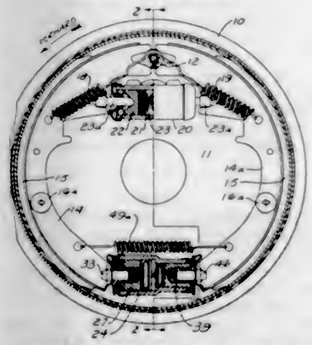
22. Process for producing ornamental pattern effects in cellulosic textile fabrics, which comprises: printing the fabric in different patterns and in registered relation with a dye-containing, water-soluble resist against the action of swelling agents and with an adhesive varnish, applying to the varnished areas a cellulosic flock material resistant to the action of swelling agents and drying, impregnating the so-treated fabric with a swelling agent to swell the fibers in the exposed areas, and washing to remove the said agent and said resist.

2,239,915
SIGNAL RECTIFIER CIRCUIT
Seymour Hunt, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 15, 1939, Serial No. 268,078
11 Claims. (Cl. 250—20)



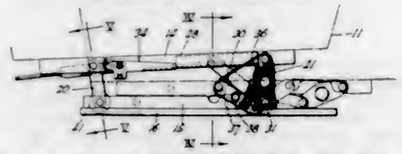
1. In a signal reception network, an electron discharge device including at least a cathode, a signal grid and an output electrode, a source of signals coupled to the signal grid, said source including a tuned circuit resonant to the operating signal carrier frequency, a second tuned circuit connected between the cathode and a point of fixed potential, said second tuned circuit being resonated to said carrier frequency, means for maintaining said output electrode at a positive potential, an auxiliary anode operatively associated with said cathode and providing a diode for rectifying carrier signal current developed in said second tuned circuit, a load resistor connected between said anode and said point of fixed potential, and means for deriving from the rectified current flowing through said load resistor a direct current voltage whose magnitude is proportional to the carrier amplitude.

2,239,916
VEHICLE BRAKE
George H. Hunt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application June 26, 1939, Serial No. 281,111
7 Claims. (Cl. 188—78)



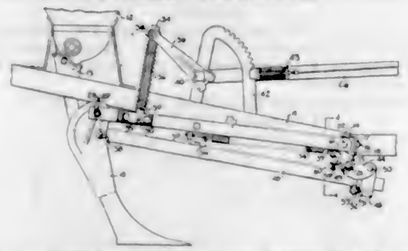
1. A unitary brake shoe servo control comprising a tubular housing, a pair of plungers slidable axially of said housing, said plungers adapted to be connected at their remote ends to the respective adjacent ends of a pair of brake shoes, a pair of levers pivoted within said housing intermediate the adjacent ends of said plungers, each of said levers engaging the adjacent end of the complementary plunger intermediate the ends of the lever, the free end of one of said levers engaging the other lever at a point intermediate its pivot and its point of contact with its associated plunger whereby a predetermined portion of the effort applied to one of said plungers by its associated brake shoe is transmitted to the other plunger.

2,239,917
ADJUSTABLE VEHICLE SEAT SUPPORT
Irving Hunter and Arthur B. Short, Medina, N. Y., assignors, by direct and mesne assignments, of seventy-five per cent to Le Grand S. Whedon, Medina, N. Y., and twenty-five per cent to Barton A. Bean, Jr., Buffalo, N. Y.
Application June 22, 1939, Serial No. 280,616
8 Claims. (Cl. 155—14)



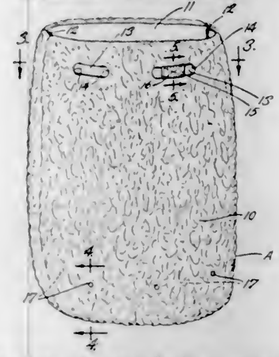
1. In a vehicle seat adjusting and supporting structure, means engageable with a vehicle seat, other means engageable with the body of a vehicle, a pair of front parallel links pivotally engaging at their opposite ends said seat engaging means and said body engaging means, a pair of rear parallel links pivotally engaging at their opposite ends said seat engaging means and said body engaging means, whereby the links are movable about their pivotal engagement with said body engaging means to carry said seat engaging means between upper forward and lower rearward positions, said body engaging means comprising an element adapted to be rigidly associated with a vehicle body and an element movable horizontally with respect thereto, and actuating mechanism engaging between said rigid element and said movable element and responsive to pivotal movement of said links to effect controlled relative forward and rearward movement of said elements, said actuating mechanism comprising toggle linkage between said seat engaging means and said rigid element and a link pivotally connected to said toggle linkage and the movable element.

2,239,918
PARALLEL LIFT FOR FURROW OPENERS
George M. Kriegbaum, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application January 31, 1940, Serial No. 316,495
6 Claims. (Cl. 97—184)



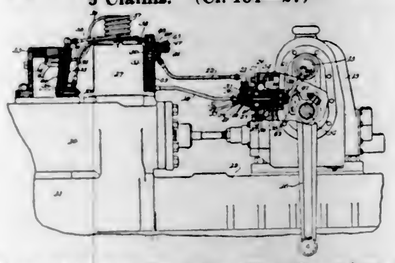
1. In combination, a furrow opener, a first link having one end pivotally connected to the furrow opener, a second link generally parallel to the first link and having one end pivotally connected to the furrow opener at a point spaced from the connection of the furrow opener and the first link, a support pivotally connected to the end of the first link opposite the end connected to the furrow opener, a lever pivotally connected at a mid-point to the support and at one end to the end of the second link opposite the end to which the furrow opener is connected, and a spring connecting the other end of the lever and an intermediate point of the second link.

2,239,919
MITT FOR WASHING, DUSTING, POLISHING, AND THE LIKE
Edward C. Lindfelt, Des Moines, Iowa
Application July 5, 1938, Serial No. 217,444
2 Claims. (Cl. 15—227)



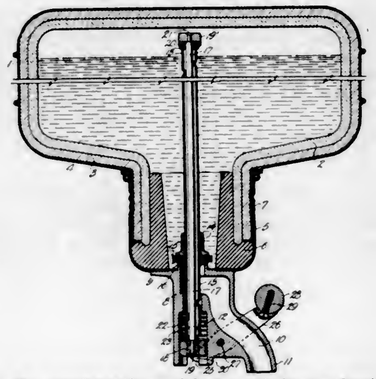
1. An article of manufacture comprising a sack-like mitt with thick fibrous material on both front and back outer surfaces, perforations through the front of the mitt, near its lower end, where the mitt parts close to the perforations may be pressed downwardly by the fingers of the wearer, with the palm held downward, to drain water from the mitt, and a gum rubber band threaded through holes in said mitt at the open end thereof, said band passing interiorly from the front to the back portion of said mitt at points spaced substantially inwardly from the side edges thereof, allowing the mitt to remain flat when the band engages the sides of the wearer's wrist.

2,239,920
LUBRICATING APPARATUS
Joseph R. Mahan, Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 22, 1939, Serial No. 269,434
5 Claims. (Cl. 184—27)



5. In apparatus for lubricating the valves and cylinder walls of a duplex steam engine having a steam valve-operating rocker shaft assembly including a stand therefor, the combination of a cam on one of said rocker shafts, a pump body removably mounted as a unit on the stand with its inner end adjacent the cam, a pump chamber within the pump body, a pump plunger having one end arranged to reciprocate within the chamber, a head interposed in direct operative engagement between the other end of the plunger and the cam, a spring for continuously urging the plunger into engagement with the head and the head into engagement with the cam for reciprocating the plunger in response to the oscillating movement of the rocker shaft, a lubricant reservoir mounted on the engine and connected to the inlet of the pump, and a lubricant line for connecting the discharge of the pump to the steam inlet of the engine.

2,239,921
LIQUID DISPENSING DEVICE
Joseph M. Majewski, Jr., Kansas City, Mo.
Application February 24, 1941, Serial No. 380,286
2 Claims. (Cl. 221—67)

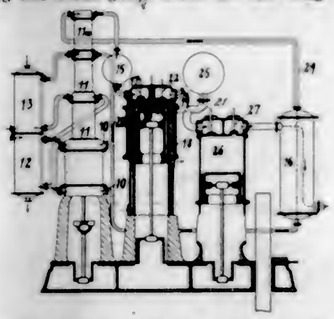


1. In combination with a container adapted to contain liquid, a spigot, a liquid valve for controlling the flow of liquid from said container through said spigot, a vertical tube extending upwardly into said container, means for mounting said liquid valve on said tube, a vent valve sealing the upper end of said tube, a rod positioned within said tube, means for securing said vent valve to the upper end of said rod, means carried by the lower end of said rod normally out of engagement with the lower end of said tube, and means for moving said rod upwardly, the construction being such that the initial movement of said rod will open said vent and continued movement of said rod will move said tube upwardly to open said liquid valve.

2,239,922
INTERNAL COMBUSTION ENGINE
Michael Martinka, Duisburg, Germany
Application June 23, 1937, Serial No. 149,801
In Germany May 20, 1930
5 Claims. (Cl. 60—15)

1. Internal combustion engine and installations comprising a multi-stage compressor, having intercoolers, a working cylinder in which the gases are heated by internal combustion and are expanded, an internal heat exchanger based on the principle of regeneration, arranged in the interior of said working cylinder, filling up the clearance above the piston bottom in the upper dead center position of the piston and external heat exchangers outside of the cylinder pipes conducting the fresh gases from the lower stage of the compressor to said external heat

exchanger and other pipes reconducting the fresh gases heated in said external heat exchanger to upper stages of the compressor, and pipes conducting the fresh gases from the last stage of the



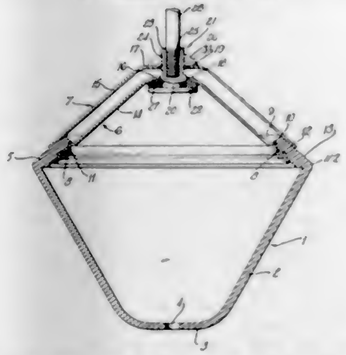
compressor to the inlet valve of the combustion cylinder and through the regenerator, further pipes conducting the exhaust gases to the external heat exchanger after said exhaust gases have passed the regenerator.

2,239,923

TANK BALL

Herbert S. May, Great Neck, N. Y., assignor to American Rubber Products Corporation, New York, N. Y., a corporation of New York

Application March 2, 1940, Serial No. 321,837
6 Claims. (Cl. 4—56)



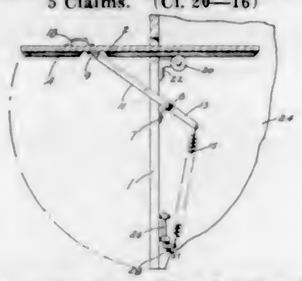
1. The combination of a metal top tank ball having a conical rubber valve member, a flattened apex portion with a central opening therein and a flange at its enlarged end also conical but extending inwardly from such enlarged end, two complemental metal shells each having a conical skirt and a flattened crown portion at the apex portion thereof with alined central openings in said crown portions, a spud including a head and a chambered stem having an external lefthand thread and an internal righthand thread, a rubber washer disposed between the inner face of the crown portion of the inner shell and the head of the spud with the stem extending outwardly through the alined openings of said shells and the rubber washer cooperating with the inner shell and head of the spud to effect a water-tight seal at the crown portion of the inner shell, a collar screw-threadedly engaging the lefthand thread abutting against the outer shell, and a connecting rod screw-threadedly engaging the righthand thread, the outer free end portions of the skirts of the shells engaging and clamping the flange of the rubber valve member between them.

2,239,924

OVERHEAD SWINGING DOOR

John A. McFarlane and William W. McFarlane, Bellflower, Calif.

Application December 12, 1938, Serial No. 245,118
5 Claims. (Cl. 20—16)



1. The combination with a building having a door opening, of a door for closing said opening, axially alined pivots journaled on the wall of the building on each side of the door about one-third the distance from the top thereof, bearing brackets at the side edges of the door about one-third the distance from its bottom, bars having one end rigidly secured to said pivots and journaled in said bearings at the other end, arms extending from the pivots, springs extending from said arms to the wall near the floor, and a roller on the wall near the top of the door at each side thereof for guiding and supporting the door during and upon its elevation.

2,239,925

PROCESS OF PRODUCING POROUS PLASTER AND PRODUCT THEREOF

Ralph H. McKee and Frederick A. Hessel, New York, N. Y.

No Drawing. Application August 18, 1939, Serial No. 290,796
14 Claims. (Cl. 106—24)

1. The process of producing light-weight, porous plaster which comprises reacting in a plaster mix urea with a hypochlorite.

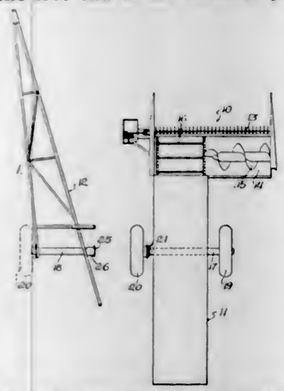
2,239,926

AXLE FOR HARVESTER-THRESHERS

Lee P. Millard, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application July 8, 1939, Serial No. 283,433
2 Claims. (Cl. 56—228)

1. A two wheel supported harvester thresher comprising a transverse tubular axle having its ends provided with respective stub axles on each of which a supporting wheel is journaled, a thresher part mounted on one portion of the tubular axle, a draw frame mounted at the side of the thresher part on the remaining portion of the tubular axle, said tubular axle between the draw frame and thresher part being separable, means at said location for separably connecting the proximate inner ends of the tubular axle, said tubular axle part which supports the thresher part carrying at its separable end a sleeve part normally extending into the other separable part of the tubular axle when said tubular axle parts are connected, said draw frame supporting tubular axle part being removable bodily from the thresher part supporting tubular axle portion, means detachably connecting the wheel of said removable part to said removable part whereby said latter wheel when detached may be transferred to the free end of the thresher part sup-



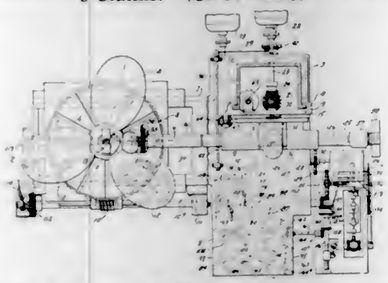
porting axle and have its stub axle inserted into the sleeve of the thresher supporting tubular axle part, and means to secure the said stub axle part in said sleeve, whereby the tread of the two wheel harvester thresher is materially narrowed for transport.

2,239,927

CUTTING AND SHAPING MACHINE

Henry Earl Morton, Muskegon Heights, Mich.

Application January 3, 1939, Serial No. 248,985
9 Claims. (Cl. 90—13.3)



1. In a machine of the character described, a movable supporting member for material to be cut and shaped along a curved datum line, a tool member to cut the material and movable relative thereto, one of said members being movable at a constant rate of speed and the other of said members being movable at a variable rate of speed, means to move said members, means to change the rate of movement of said other member, means controlling said rate changing means, rotatable and bodily movable cam means operable in response to change in rate of movement of said other member to actuate said controlling means, and means operable in response to said rate changing means to actuate said controlling means.

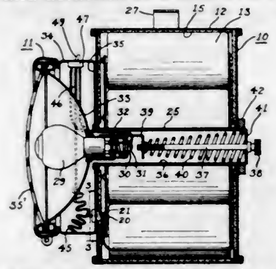
2,239,928

ELECTRIC LAMP

Carl W. Nixon, Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Application May 15, 1939, Serial No. 273,682
4 Claims. (Cl. 240—10.61)

1. A portable electric lamp comprising a battery having a number of cells permanently enclosed in a surrounding casing, said casing having a tubular member extending therethrough from one side of the battery to the other and providing a passage between some of the cells, and a lamp carried by said battery and adapted to be readily attached and detached as a unit, said lamp com-



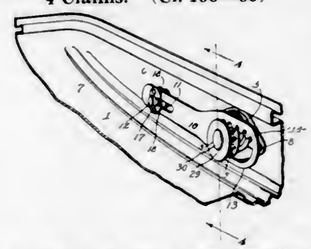
prising a lamp bulb and a bulb housing supporting said bulb and having a portion fitting within the tubular portion of the battery and supported thereby with one part of the bulb housing on one side of the battery and with an opposite part projecting from the opposite side of the battery, and means engaging the projecting part for detachably retaining the lamp in position on the battery.

2,239,929

SUPPORT FOR PIVOTED SEATS

Henry P. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application May 5, 1938, Serial No. 206,102
4 Claims. (Cl. 155—85)



4. In a chair of the class described: a leg standard having a fixed horizontal spindle with a toothed segment fixed thereon; a seat turnable on the spindle to lowered use position and to raised position and having a chamber into which the spindle extends and in which the segment is housed; a bar housed in the chamber, slidable on the seat forwardly-rearwardly thereof and having a forwardly-rearwardly extending rack wherewith the segment meshes in the seat's turning movement; and means in the chamber for limiting the bar's sliding movement to an extreme position wherein the seat in its lowered use position is supported on the bar.

2,239,930

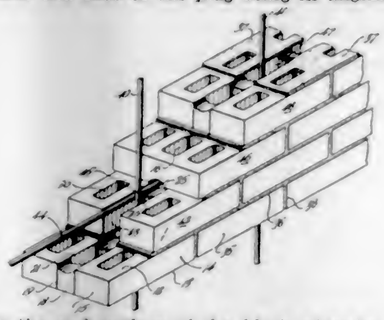
HOLLOW BRICK BUILDING BLOCK AND REINFORCED BRICK WALL

Joseph B. Peebles, Los Angeles, Calif., assignor to Gladding, McBean & Co., Los Angeles, Calif., a corporation of California

Application December 5, 1939, Serial No. 307,618
6 Claims. (Cl. 72—41)

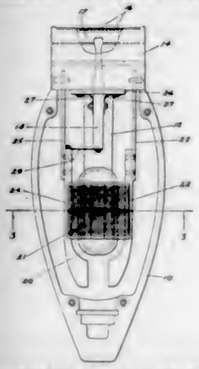
1. A building block having a plurality of transverse perforations between the top and bottom of

the block, one of the ends having a removable plug in line with one of the perforations, the outside end face of the plug being in alignment



with the end surface of the block whereby the blocks may be built up into a wall with end surfaces of contiguous blocks separated only by a vertical mortar joint of constant thickness.

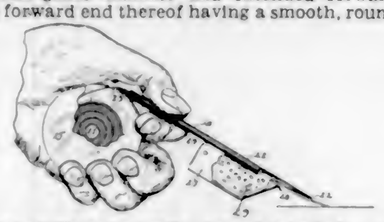
2,239,931
VIBRATORY MOTOR
Robert S. Prescott, Brookline, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application July 31, 1939, Serial No. 287,494
4 Claims. (Cl. 172—126)



1. A vibratory motor comprising a frame having at one end a transversely extending head, an electro-magnet carried by the frame, flat springs secured to opposite ends of the head, armature bars disposed adjacent to opposite sides of the magnet, curved springs secured to the under face of the head, an arm supported for rocking movement by said curved springs, and a spring leaf extending transversely between one of the armature bars and the arm below its point of connection with said springs.

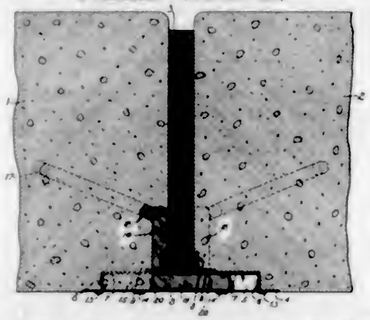
2,239,932
POSTAGE STAMP AFFIXER
Samuel G. Richards, Des Moines, Iowa
Application April 22, 1939, Serial No. 269,402
5 Claims. (Cl. 216—33)

1. The combination with a postage stamp affixer having a stamp guide member with a smooth upper surface, of a spring latch member on its under side, a stamp guide member having a smooth under surface and downwardly and inwardly extended side walls slidingly mounted on the first guide member, a co-acting latch member carried by the second guide member to secure it in position, a sponge receptacle open at its upper side and hinged at its rear end to the second guide member and extended forwardly, the forward end thereof having a smooth, rounded



upper surface normally spaced apart from the under surface of the second guide member, a spring for yieldingly holding the sponge receptacle toward the guide member, a friction device for holding the sponge receptacle in open position, and a sponge in the sponge receptacle.

2,239,933
EXPANSION JOINT
Robert R. Robertson, Chicago, Ill.
Application March 3, 1939, Serial No. 259,581
6 Claims. (Cl. 94—18)



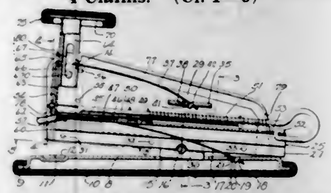
1. A road joint former for imbedding between adjacent concrete road slabs, said road joint former comprising a base plate, a plurality of spaced groups of staggered pocket members secured upon the base plate with the alternate pocket members opening in opposite directions, a filler member above the base member, flange means formed on the pocket members and contacting opposite sides of the filler member, and spaced groups of alternately arranged reversed load transmission units projecting in opposite directions beneath the filler member and slidably engaged in the pocket members.

2,239,934
FISHLINE SINKER
Ignacio L. Ruiz, New York, N. Y.
Application March 24, 1939, Serial No. 263,845
4 Claims. (Cl. 43—52)



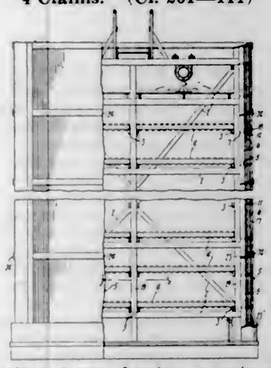
1. A sinker for fishlines which comprises a body portion of double pyramidal form, the greater part of the body being of buoyant material, the lower part of the body being of metal of sufficient weight to cause the sinker to find the bottom.

2,239,935
STAPLING MECHANISM
Fred A. Scherman, Racine, Wis., assignor to Ajax Tool and Die Company, Racine, Wis., a corporation of Wisconsin
Application October 21, 1938, Serial No. 236,178
4 Claims. (Cl. 1—3)



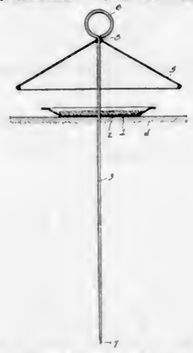
1. In a device of the character described, the combination with a base provided with an aperture and having a tongue projecting into the aperture, of a leaf spring fulcrumed across the top of the base adjacent the aperture and remote from the tongue and provided with an opening in which said tongue is engaged for releasably securing said spring against displacement, a stapling head pivotally connected with the base for limited movement with respect thereto and provided with a part engaged by the end of said spring remote from said base, the limit of movement of said head and the point of engagement of said spring therewith being such as to urge said head toward one extreme of its movement and to maintain said spring under slight initial deflection at such extreme.

2,239,936
COOLING TOWER CONSTRUCTION
Edward W. Simons, San Francisco, Calif., assignor to Redwood Manufacturing Co., Pittsburg, Calif., a corporation of Nevada
Application April 14, 1939, Serial No. 267,809
4 Claims. (Cl. 261—111)



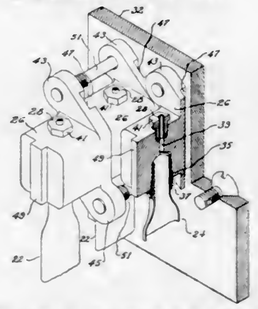
1. A cooling tower having a pair of opposed side walls, each of said side walls comprising a row of spaced, elongated members in side by side relation, providing a passageway between adjacent members for passage of air to within the tower at one of said side walls and from within the tower outwardly at the other of said side walls, substantially the entire outwardly facing sides of said members being generally convex in cross-sectional contour to reduce resistance to flow of air to within said tower.

2,239,937
BAIT PROTECTOR
Edith Phillips Smith, Berkeley, Calif.
Application January 10, 1939, Serial No. 250,144
2 Claims. (Cl. 43—131)



1. In a bait protector of the character described, a spike having a smooth exterior surface and a pointed lower end, whereby the spike may be made to pierce a bait-containing dish and driven into ground beneath the dish, and a substantially conical-shaped hood mounted axially on the spike and having its apex secured to the latter and its rim presented toward the pointed end of the spike, the exterior surface of the spike from its pointed end to the hood being unobstructed, whereby the spike may be driven into the ground even to the extent of bringing the rim of the hood into contact with the ground.

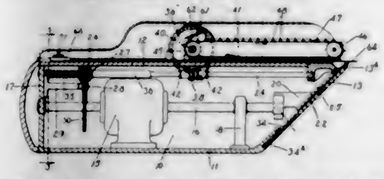
2,239,938
TUBE SUPPORT FOR GAUGES, RECORDERS, AND THE LIKE
Norman J. Smith, Medfield, Mass., assignor to Crosby Steam Gage & Valve Company, Boston, Mass., a corporation of Massachusetts
Application March 21, 1939, Serial No. 263,225
2 Claims. (Cl. 73—109)



1. A unitary base structure for a Bourdon tube, having a base member provided with an attaching face, offset attaching lugs projecting above and below the base member, each lug having a face in the same plane as the attaching face, said attaching face having an interlocking recess formed therein, and an interlocking rib formed upon the face opposite the attaching face of the

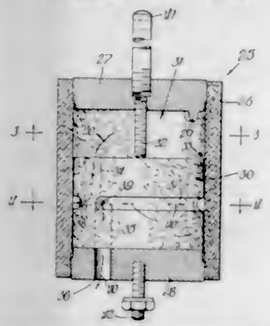
base member whereby a plurality of identical base members may be interchangeably assembled and secured in tiered relationship within the housing.

2,239,939
HAIRCUTTING APPARATUS
Wellington Arthur Sneed, Davenport, Iowa
Application June 8, 1939, Serial No. 277,969
11 Claims. (Cl. 30—132)



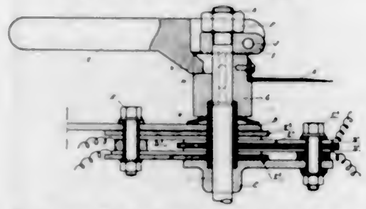
1. In a haircutting machine, the combination of a casing, a hair clipping apparatus carried thereby, a motor in said casing operatively connected with said apparatus, to operate the clippers, a comb apparatus mounted on said casing, including an endless carrier and series of teeth thereon, for operation in proximity to said clipping apparatus, and means for imparting the movement of said motor to said endless carrier, for the suitable operation thereof.

2,239,940
CURRENT INTERRUPTING APPARATUS
Charles L. Stroup, Oak Park, Ill.
Application December 26, 1939, Serial No. 311,034
7 Claims. (Cl. 175—30)



1. A lightning arrester comprising, in combination, a fiber housing, an upper electrode closing off the upper end of said fiber housing, a lower electrode closing off the lower end of said fiber housing, an aperture in said lower electrode, a fiber block fitting within said fiber housing, a narrow space between the lateral surface of said fiber block and the inner surface of said fiber housing, a chamber between the top of said fiber block and said upper electrode, a groove in the lateral surface of said fiber block, an upper passageway interconnecting said groove with said chamber and a lower passageway interconnecting said groove with said aperture, said narrow space between the lateral surface of said fiber block and the inner surface of said fiber housing constituting an arc passageway of restricted area between said upper and lower electrodes, said groove and said upper and lower passageways in communication therewith constituting a blast passageway of greater area and length between said upper and lower electrodes than said arc passageway, and arc extinguishing gases being given off from said fiber housing and fiber block when exposed to an electric arc.

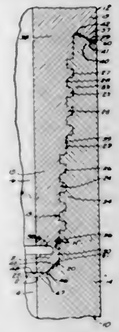
2,239,941
OPERATING DEVICE FOR ADJUSTABLE TRANSFORMERS AND THE LIKE
Pierre Soulary, Paris, France, assignor to l'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France
Application April 21, 1939, Serial No. 269,303
In France July 12, 1938
10 Claims. (Cl. 171—119)



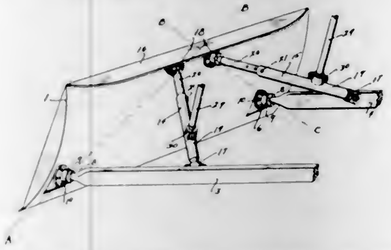
1. A device for adjusting and locking a part which is rotatably mounted upon a spindle and is submitted to electro-magnetic forces tending to cause it to rotate around the said spindle, comprising substantially a system of sliding members interleaved with one another and consisting partly of fixed elements connected to the stationary part within which the spindle rotates, and partly of movable elements mounted upon the rotatable spindle carrying the movable part which is submitted to the electro-magnetic forces, the said system being controlled by a single handle, a movable part mounted upon the spindle in such a manner as to be only axially displaceable thereon, and a part which is freely mounted upon the said spindle and to which the handle is articulated, the said handle being provided with a lug which may be brought to engage in a recess provided in the said axially movable part, locking being effected by the rotation of a nut screwed on to the screw-threaded extremity of the spindle by means of the fork-shaped extremity of the handle which encases the nut.

2,239,942
WELL PIPE JOINT
Frederick Stone, Redondo Beach, and Albert L. Stone, Palos Verdes Estates, Calif., assignors to Hydril Company of California, Los Angeles, Calif., a corporation of California
Application May 17, 1939, Serial No. 274,152
3 Claims. (Cl. 285—146)

1. A well pipe joint embodying an internally threaded box member and an externally threaded, tubular pin member adapted to be threadably connected, an internal seating shoulder on the box member, a mating seating shoulder at the distal end of the pin member, one of said shoulders being formed to initially engage the other shoulder only at a point intermediate the limits of the transverse extent thereof, an external seating shoulder on the box member, and a mating seating shoulder at the base end of the pin member, the normal effective longitudinal extent of the pin member measured between its shoulders being greater than the normal effective longitudinal extent of the box member measured between its shoulders whereby, when the joint is made up with predetermined torque strain, the shoulder on the distal end of the pin member seats on its mating box shoulder before the other mating shoulders engage one another, said pin being provided with an annular groove which opens to the bore of the pin and extends radially to a point beyond said intermediate point, said groove being located adjacent the shoulder on the distal end to provide a spring lip presenting that shoulder as one of its faces, said lip being adapted to yield resiliently when said joint is subjected to additional torque strain of a magnitude sufficient to seat the other shoulders of the joint.

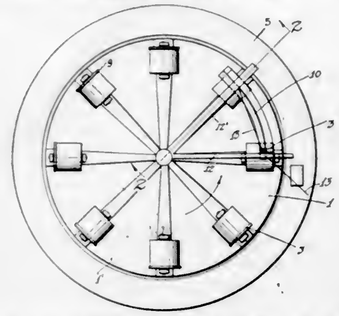


2,239,943
BULLDOZER
Robert Sword, Linslaw, Oreg.
Application April 14, 1939, Serial No. 267,888
3 Claims. (Cl. 37—144)



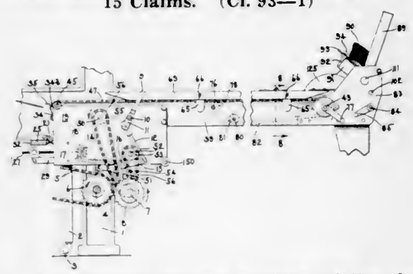
1. A bulldozer, bars extending from the lower outer ends of the bulldozer to a road vehicle, the connection of the bars to the road vehicle being mounted for limited universal swinging and rocking movement, said bars supporting the bulldozer for movement with respect to the vehicle, braces intermediate the bars and bulldozer, the braces being connected at one end to the bars at a distance from the bulldozer, and being connected at the bulldozer at the upper end of the latter and adjacent the vertical central line of the bulldozer the ends of a brace and bar being connected to the bulldozer on one side of the center line thereof and arranged to permit swinging of the arm and brace as a unit about an axis running through the connection of said arm and brace to the bulldozer, a power means operative from the vehicle, connections from the power means, said power means serving to actuate either or both of the braces at will, the operation of one such brace tending to tilt the bulldozer on the pivotal support of the opposite bar, and the operation of both of said braces serving to raise or lower the bulldozer through the medium of the pivotal connected bars.

2,239,944
AMUSEMENT RIDE DEVICE
Lewis R. Tobie, Augusta, Ill.
Application March 28, 1940, Serial No. 326,343
12 Claims. (Cl. 272—36)



11. In an amusement ride device, a substantially circular track, a platform rotatable on said track, at least one rotary drum mounted on said platform, the drum being supported for rotation about a substantially horizontal axis, and means operative as the platform rotates for procuring an intermittent rotation of the drum about its horizontal axis.

2,239,945
FEEDING AND FOLDING MECHANISM FOR WRAPPING MACHINES
Howard B. Tuthill and Harry F. Caldwell, Grand Rapids, Mich., assignors to Oliver Machinery Company, Grand Rapids, Mich., a corporation of Michigan
Application April 26, 1939, Serial No. 270,066
15 Claims. (Cl. 93—1)

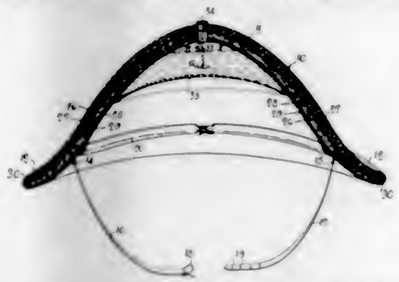


1. A pasteboard folding machine of the character described comprising, a rack for holding a plurality of pasteboard blanks, a conveyor, a support between said rack and said conveyor, means for delivering said blanks singly to said support, means to transfer a blank from said support to said conveyor, and means to engage the ends of a blank before it reaches the conveyor to fold said ends inwardly.

2,239,946
PROTECTIVE HELMET
Thomas B. Upchurch, Jr., Raeford, N. C.
Application December 26, 1939, Serial No. 310,971
5 Claims. (Cl. 2—3)

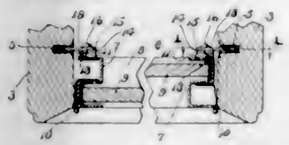
2. A helmet formed from a metallic meshed reinforcing foundation shaped to conform to the head of a wearer, with a layer of fibrous material disposed adjacent said reinforcing material, a layer of rubberized fabric entirely covering

both the foundation and the fibrous layer, and having a resilient partition disposed in the crown of said helmet whereby a compartment there-



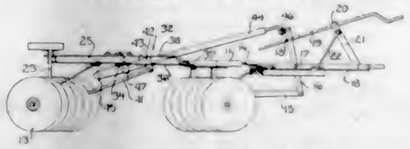
above will be provided for water or other liquid, and means for gaining access to said upper compartment.

2,239,947
ATTACHMENT FOR SHOWCASE UNITS
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application October 23, 1939, Serial No. 300,715
8 Claims. (Cl. 312—138)



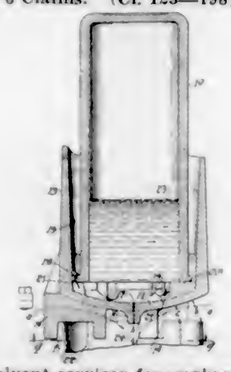
2. A vertical member adapted to be connected to a vertical support at two spaced apart points in the length of said member, said member having two latching devices secured thereto at spaced apart points, one in a reverse position with respect to the other, each of said latching devices comprising a base secured to said member, and a latching member pivotally mounted thereon, each of said latching members having a latching hook, and engaging means on the base and latching member permitting movement of the latching member to operative latching position and normally stopping reverse movement thereof after movement of a latching member to a predetermined position.

2,239,948
HARROW
Stephen M. Young, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application May 25, 1940, Serial No. 337,233
11 Claims. (Cl. 55—83)



1. A harrow comprising a front unit composed of a frame and a pair of gangs, a rear unit composed of a frame and a pair of gangs, a pair of spaced links, means connecting the links at one end with one unit, means slidably connecting the links at their other end with the other unit for providing a relative movement of the links toward the said other frame and a relative movement of the links away from the said other frame only up to a certain point, and means connecting the links and one unit for causing the rear unit to trail directly behind the front unit.

2,239,949
SOLVENT SERVICER FOR ENGINES
Fredrick W. Bartz, Minneapolis, Minn., assignor to Vulcan Manufacturing Co., Inc., St. Paul, Minn., a corporation of Minnesota
Application January 23, 1940, Serial No. 315,286
6 Claims. (Cl. 123—198)



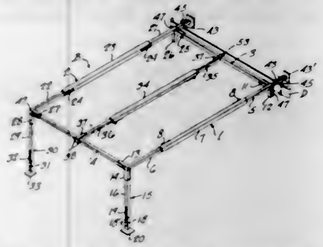
1. In a solvent servicer for engines, a supporting member comprising a cuplike element having a plurality of depending flanges radially arranged on the bottom thereof and provided with radially elongated downwardly opening notches to permit support of said supporting member on different sized intake tubes of carburetors, a nozzle at the center of said supporting member and depending therefrom to a position below the top of the intake tube when said supporting member is supported thereon, a transparent container inverted in said cuplike element and adapted to contain solvent liquid to enter the cuplike element and thereafter flow by gravity and by suction in the intake tube of the carburetor from said nozzle, said container having a bead surrounding its open lower end, and spring catches carried by said supporting member on the interior thereof and engaging said bead to retain the container in position in said supporting member.

2,239,950
FILTER
Louis B. Berg, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 3, 1938, Serial No. 193,697
2 Claims. (Cl. 183—75)



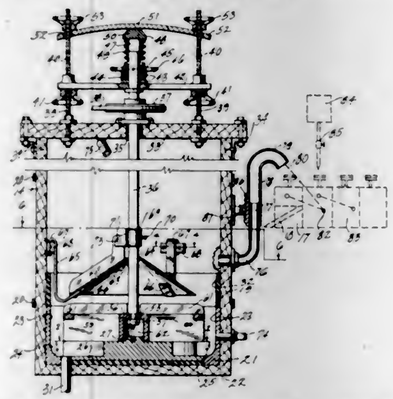
1. In a fluid cleaner, a plurality of flexible superposed sheets of filter material comprising substantially parallel flat wires inclined at an angle to the plane of the material, and spaced round wires retaining the flat wires in parallel spaced relation, the flat wires defining passages that are at a slight angle to the direction of travel of fluid passing through the filter.

2,239,951
COLLAPSIBLE CAMPING STRUCTURE
Fred H. Bromschwig, St. Louis, Mo.
Application April 10, 1939, Serial No. 266,992
3 Claims. (Cl. 5—119)



1. A collapsible camping structure comprising a cot, means for attaching said cot to a bumper of a motor vehicle, said means comprising a pair of members telescopically and detachably associated with said cot and extended from portions thereof and having bumper clamping elements associated therewith, said members being capable of such different association with the cot when said cot is not attached to a bumper of a motor vehicle as to provide legs for the cot.

2,239,952
ORE GRINDER
Ralph B. Dergance, Denver, Colo.
Application September 23, 1940, Serial No. 357,910
7 Claims. (Cl. 83—93)

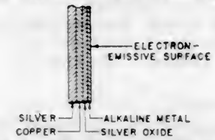


2. An ore grinder comprising in combination, a vessel having a bottom, a grinding disk supported on the bottom, a bearing supported on the vessel adjacent its top, a shaft journaled in the bearing for rotation about a vertical axis, means for rotating the shaft, a grinding disk secured to the lower end of the shaft and normally supported on the lower grinding disk, means for varying the pressure exerted by the upper grinding disk on the lower one comprising, a spring having one portion in engagement with the shaft through a force transmitting means, and another portion connected with the vessel, means comprising a threaded member attached at its lower end to the vessel and a nut operatively associated with both the threaded member and the spring for varying the tension of the spring, and an abrading resisting ring surrounding the grinding disks.

2,239,953
LUBRICATING OIL COMPOSITION
Matthew Fairlie, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 1, 1939, Serial No. 271,168
5 Claims. (Cl. 252—39)

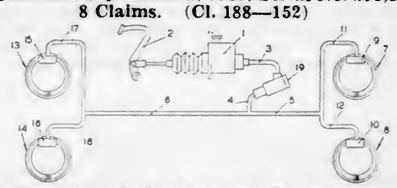
1. A liquid lubricating oil composition comprising a petroleum lubricating oil and chloro calcium phenyl stearate in which the chlorine is attached to the calcium.

2,239,954
CATHODE FOR ELECTRON DISCHARGE TUBES
Werner Fanselau, Berlin-Tempelhof, Germany, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany
Application June 1, 1939, Serial No. 276,795
In Germany June 1, 1938
4 Claims. (Cl. 250—27.5)



3. The process of making cathodes of the oxide type, which comprises the steps of providing a surface of a silver foundation with a coating of copper, depositing upon said copper coating a layer of silver of predetermined thickness, completely oxidizing said last-named silver layer in a glow discharge in the presence of oxygen to convert said layer of metal into a layer of oxide of predetermined thickness, and alkalizing said layer of oxide to produce an electron-emissive cathode.

2,239,955
INERTIA-OPERATED RATIO CHANGING BRAKE ACTUATING SYSTEM
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 2, 1939, Serial No. 293,178
8 Claims. (Cl. 188—152)



1. In a fluid braking system for a vehicle, a plurality of brakes, means for actuating the brakes and comprising a source of pressure, a fluid motor associated with each brake and conduit means for connecting the motors to the source of pressure, and means associated with the conduit means and responsive to deceleration of the vehicle for changing the ratio between the fluid pressure supplied by said source and the fluid pressure acting on all the motors.

2,239,956
DOOR CATCH
Hiram B. Gallinger, Superior, Wis.
Application November 8, 1940, Serial No. 364,855
5 Claims. (Cl. 292—79)

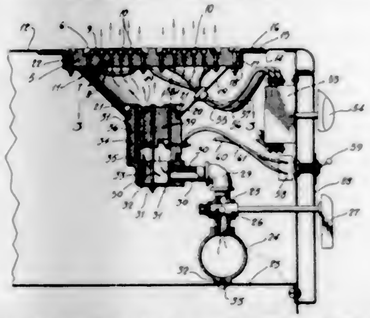
1. In a door catch including a stationary and

a movable member, each having spaced side walls, a relatively large substantially circular opening in each side of one of said members, a member extending transversely of said first mentioned members and having arcuately disposed ends extending through said circular openings and



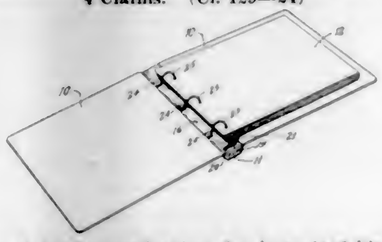
adapted to bear against the edges thereof and thereby form a pivotal joint for said members and being fixed in the sides of the other member, and means whereby to bias said members toward the limit of their pivotal movement in either direction.

2,239,957
STOVE
Chujiro Genda, Beverly Hills, Calif.
Application May 7, 1938, Serial No. 206,582
3 Claims. (Cl. 219—37)



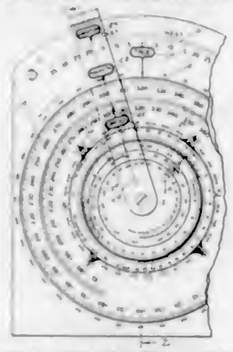
2. In an electric range construction, an insulation disc provided with a spiral groove and with transverse ducts communicating with said groove, an electric heating element received within said spiral groove and positioned directly over the transverse ducts, and means for conducting air under pressure through said ducts into the said spiral groove for direct impingement upon the electric heating element within said groove.

2,239,958
LOOSE-LEAF BINDER
Joseph A. Gibson, Kimball, Nebr.
Application October 30, 1939, Serial No. 301,927
4 Claims. (Cl. 129—24)



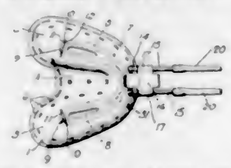
1. A binder mechanism for loose-leaf binders comprising: a frame member; a binder shaft extending longitudinally of said frame member on the rear side thereof; a series of fixed binding posts projecting from the front side thereof; a series of parallel, radial binder members secured to said binder shaft; arched binders extending upward from the outer free ends of said radial members; a crank shaft positioned parallel to said binder shaft; and offset portions on said crank shaft contacting said binder members.

2,239,959
COURSE CONVERTER FOR CONVEYANCES
Lloyd R. Gray, San Diego, Calif.
Application January 25, 1939, Serial No. 252,797
3 Claims. (Cl. 235—83)



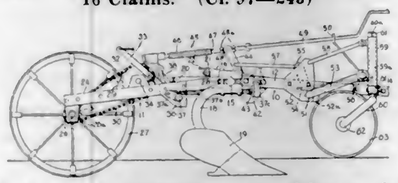
1. In a course converter for conveyances of the class described, the combination of a disk member provided with a special particular ship corrected variable degree compass scale consisting of three hundred and sixty unequally spaced divisions positioned concentric with said disk, an arm member pivotally mounted concentric with said disk provided with a compass index indicator arranged to pass in contiguous relation with said scale, a magnetic and true course degree scale consisting of three hundred and sixty equally spaced divisions on said disk concentric with said special particular ship corrected variable degree compass scale, said arm member also having a magnetic index indicator arranged in relation with said magnetic and true course degree scale and arranged in relation therewith for comparison between the special particular ship corrected variable degree compass scale and the magnetic and true course degree scale.

2,239,960
DENTIST'S PLASTIC TRAY
Walter C. Harbart, Los Angeles, Calif.
Application July 30, 1938, Serial No. 222,216
2 Claims. (Cl. 32—17)



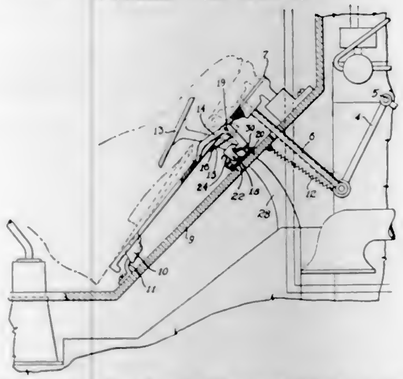
1. In a dental tray for taking dental impressions in a plastic material, the combination of a tray body in the form of a plate having a peripheral flange with a pair of openings therethrough, a duct member having a pair of oppositely disposed extensions lying on the said body and having a pair of substantially straight necks passing through the said openings adapted to be attached to a hose, said body having a pair of sockets to receive the inner ends of said extensions, and a locking clip engaging said necks and engaging the said body to secure the duct member on the body.

2,239,961
TILLAGE IMPLEMENT
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 12, 1940, Serial No. 329,335
16 Claims. (Cl. 97—243)



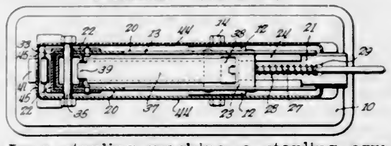
1. A tillage implement comprising a front frame, caster wheels connected to the front frame by parallel links, a rear frame pivoted to said front frame, for limited movement with respect thereto, wheel supports for said rear frame, a power lift mechanism mounted on said rear frame, and means connected to the power lift and to the parallel links in such a manner that upon operation of the power lift the parallel links will be moved up or down to raise or lower the front frame.

2,239,962
MOTOR VEHICLE CONTROL APPARATUS
George E. Howard, Butler, Pa.
Application November 7, 1939, Serial No. 303,244
3 Claims. (Cl. 192—3)



1. The combination with an accelerator pedal of an automobile, of a latch lever of bell crank form, pivotally connected to the pedal and having one arm thereof normally projecting above the plane of the pedal and the other arm extending downwardly, a dog, means on said downwardly-extending arm for making latched engagement with the dog, means yieldably urging the said latching arm into engagement with the said dog when the pedal is in depressed position and the operator's foot is out of engagement with the upper arm of the lever, an upwardly-projecting brake lever, and means actuated upon downward movement of the brake lever, for effecting unlatching of the dog and the said latch lever.

2,239,963
STAPLING MACHINE
Roy G. Hoffert, Racine, Wis., assignor to Ajax Tool and Die Company, Racine, Wis., a corporation of Wisconsin
Application August 17, 1938, Serial No. 225,473
9 Claims. (Cl. 1—3)



1. In a stapling machine, a stapling arm, a staple magazine extending length-wise of and within said arm, staple driving means at one end of said arm operable to eject one staple at a time from said magazine and a resilient clip attached to the same end of said arm, said clip projecting forwardly from said arm and being doubled back upon itself to form an inwardly directed leg normally projecting across the path of travel of the ejected staples for the purpose described.

2,239,964
AUTOMATIC CLUTCH FOR WIRE STITCHING MACHINES
Roy G. Hoffert, Racine, Wis.
Application July 12, 1940, Serial No. 345,158
1 Claim. (Cl. 140—130)

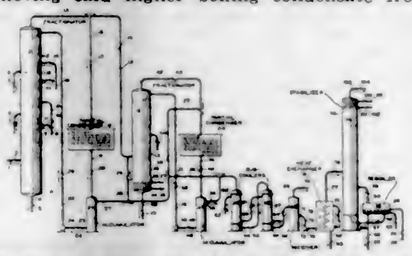


An automatic clutch for wire stitching machines, comprising a head to be reciprocated, a wire guiding tube fixed to the head and formed with a longitudinal opening for admitting a stitching wire and also formed with a chamber or recess for receiving clutch discs, said chamber or recess being extended transversely and open at both ends and having flat parallel sides, a clutch disc operating body fixed to the tubular body and being formed with an inner side wall tapered outwardly and toward the head, two clutch discs mounted in said recess and having flat sides loosely engaging the parallel sides of the disc chamber or recess and being of such size and shape as to be engaged by the said tapered wall, the thickness of the discs being substantially the same as the maximum diameter of the wire to be engaged thereby, a collar slidingly mounted on the tubular body and having a circular flange to engage the peripheries of the discs at points diametrically opposite those portions of the discs which engage the wire, and a spring for forcing the collar into engagement with the discs.

2,239,965
TREATMENT OF HYDROCARBON OILS
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 28, 1937, Serial No. 161,403
3 Claims. (Cl. 196—11)

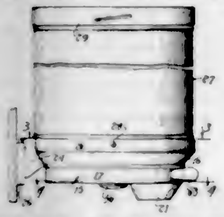
1. In a process wherein hot vaporous products resulting from the pyrolytic conversion of hydrocarbon oils and containing a substantial quantity of materials boiling within the range of gasoline are fractionated to condense therefrom fractions boiling above the range of gaso-

line, the combination of concomitant steps which comprise removing from the zone of said fractionation a vaporous stream consisting essentially of gasoline and normally gaseous products, dividing said stream into two portions of like boiling range and subjecting one of said portions to condensation, returning resultant condensate in regulated quantities to the zone of said fractionation wherein it serves as a cooling and refluxing medium, further fractionating the other portion of said stream to separate the components thereof into a vaporous fraction, consisting primarily of light gasoline fractions and normally gaseous products, and a higher boiling condensate comprising heavy gasoline fractions, removing said higher boiling condensate from



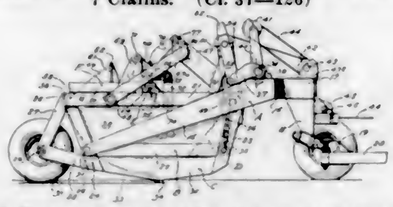
the second mentioned fractionating step, partially condensing said vaporous fraction from the second mentioned fractionating step and returning resultant condensate in regulated quantities to said second mentioned fractionating step wherein it serves as a cooling and refluxing medium, subjecting the vapors and gases remaining uncondensed by the last mentioned partial condensation step to sufficient further cooling to condense substantially all of their normally liquid components, separating the resulting distillate and uncondensed normally gaseous products, stabilizing the distillate to reduce its vapor pressure to the desired degree by liberating controlled quantities of dissolved normally gaseous products therefrom and recovering the resulting stabilized light gasoline fractions.

2,239,966
DISPENSING DEVICE
Ansgarius H. Johnson, Chicago, Ill., assignor to Club Aluminum Products Company, Chicago, Ill., a corporation of Delaware
Application July 31, 1939, Serial No. 287,439
8 Claims. (Cl. 221—108)



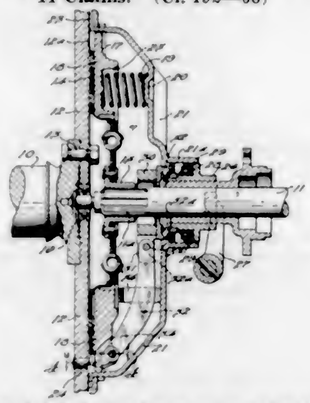
1. A dispensing device comprising a base adapted to support a container and having a bottom provided with a discharge opening, a partition plate overlying a portion of said bottom and disposed above that part of said bottom of the base having said discharge opening, dispensing means disposed between said bottom and partition and journaled for swinging movement about an axis transverse to said bottom and partition, said dispensing means having a pocket therein adapted to be moved from an exposed position to a position beneath said partition, said partition having a concave curved edge extending toward the axis of said dispensing means, said edge first engaging the contents of the pocket at the ends of the edge when the dispensing member is moved toward the partition plate and subsequently engaging the contents intermediate the edges thereof to sever the contents of the pocket from the bulk with a minimum disturbance thereof, said edge being depressed below the underside of the partition.

2,239,967
CARRYING SCRAPER
John J. Low, Los Angeles, Calif., assignor to Kay-Brunner Steel Products, Inc., a corporation of Delaware
Application February 1, 1939, Serial No. 254,021
7 Claims. (Cl. 37—126)



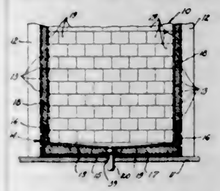
4. In a carrying scraper; a bowl; arms pivoted on the bowl; an earth ejector carried by said arms to swing forwardly through the bowl; an apron pivoted on the bowl; levers pivoted to the bowl; links pivoted to the arms and to the levers; other links pivoted to the apron and to the levers; and means for moving the apron, whereby the levers and links coact to swing the ejector forwardly through the bowl.

2,239,968
CLUTCH
James Harold Meech, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 8, 1937, Serial No. 178,673
11 Claims. (Cl. 192—68)



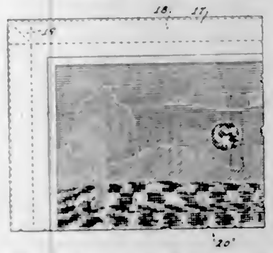
1. In a clutch device for a motor vehicle having a flywheel upon which the clutch device is mounted, the flywheel having a driving friction surface, a driven shaft; a driven disk mounted on said shaft; a pressure plate adapted to normally keep the driven disk in frictional engagement with the driving surface of the flywheel; a plurality of lugs on the flywheel; a release lever having a sharp edge and substantially parallel oppositely disposed surfaces supported by each lug for rocking movement on said edge; each of said levers having one of said surfaces adapted to engage said pressure plate and to push it away from the flywheel when a force spaced from said substantially parallel surfaces is applied, an annular actuating member arranged on said driven shaft and adapted to be moved longitudinally thereof; and a plurality of release fingers, each of said fingers having two ends hingedly connected respectively to said member and to a release lever, whereby a force may be transmitted from said member to the release levers.

2,239,969
COMPOSITION SHOWER PAN
Glenn A. Morthland, Los Angeles, Calif.
Application July 30, 1938, Serial No. 222,190
6 Claims. (Cl. 72—14)



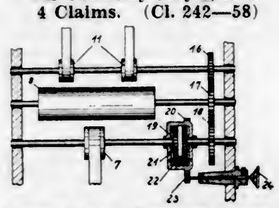
1. A composite shower pan or the like comprising a layer of asphalted felt, a layer of burlap impregnated with asphalt over said asphalted felt, a layer of plastic asphalt above said burlap, a layer of asphalted felt over said plastic, and a paper cover layer over the last mentioned layer.

2,239,970
ARTICLE OF MANUFACTURE
Raymond G. Osborne, Los Angeles, Calif.
Application September 13, 1939, Serial No. 294,667
7 Claims. (Cl. 35—26)



1. An article of manufacture for the creation of temporary designs or pictures by children, art students and the like, comprising a plurality of dry granular masses each of a magnetic susceptibility differing from that of the other masses and each composed of individual magnetic grains; those grains having the same magnetic susceptibility being colored alike and differently from those magnetic grains of different magnetic susceptibility; said grains adapted for intermixed application to a surface in the creation of a temporary design or picture made up of areas of contrasting color, a magnet normally capable of lifting from said surface the least susceptible grains, and means for successively reducing the lifting effect of said magnet.

2,239,971
PAPER-REEL CHANGING DEVICE IN ROTARY PRINTING MACHINES
Friedrich Pondorf, Plauen, Germany, assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 24, 1936, Serial No. 87,052
In Germany July 2, 1935
4 Claims. (Cl. 242—58)



4. In a paper reel changing device, means to rotatably support a replacement reel having a printed web and a reel from which a printed web is being led adjacent to the replacement reel, said webs having spaced apart perforations therein, the spacing of perforations in one web being equal to the spacing of perforations in the other web, a first electrical contact making device including a part rotatable with the replacement reel and in line with a perforation in the web thereof, said contact making device being actuated when the perforation in the web reaches a determined point, a second electrical contact making device in the path of the web being led and at a distance from the said point governed by the spacing between the perforations in the webs, means to drive the replacement reel at a speed corresponding to the speed of the web being led, means to vary the speed of said driving means to register the perforations in said webs, an electrically operable device energized when said contact making devices are simultaneously actuated, due to the perforations in said webs being in register, and means to join said webs.

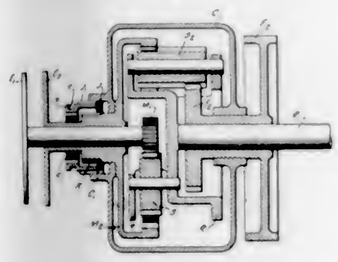
2,239,972
UNDERGARMENT
Erwin F. Rauser, Milwaukee, Wis.
Application July 18, 1938, Serial No. 219,725
2 Claims. (Cl. 2—224)



1. In a trunk type of undergarment having leg openings and having a waistband, a crotch section having a narrow upper end secured to the front central portion of the waistband and extending downwardly at the front of the garment, the side edges of said crotch section in the front of the garment diverging downwardly to points intermediate the front of the leg openings, body portions having side edges connected to said diverging side edges of said crotch section and having upper edges connected to the waistband and having lower edges terminating at the leg openings, the side edge of one of said body sections being unconnected to the adjacent diverging side edge of the crotch section from an intermediate point down to a point intermediate the front of the leg opening to provide a fly opening, and said side of the body having its upper part

above the fly opening connected to said diverging edge of the crotch section, and a flap extending from said side edge of the body section throughout the length of said section and having its lower end secured to the garment at the leg opening and having its upper end secured to the waistband, said flap being overlapped by the adjacent edge of the crotch section and by the free unconnected part thereof whereby said flap forms a reinforcement beneath the weakened fly opening part of the garment and a connection between the waist band and the leg opening.

2,239,973
VARIABLE SPEED GEAR
Pol Ravigneaux, Neuilly-sur-Seine, France
Application July 7, 1938, Serial No. 217,849
In Luxemburg July 10, 1937
11 Claims. (Cl. 74—276)

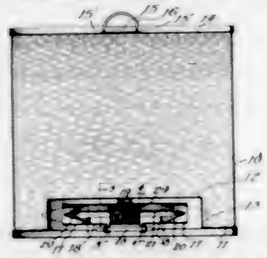


1. A variable speed gear comprising in combination a driving shaft, a driven shaft and two epicyclic sets, one of said sets comprising at least one planetary pinion and two wheels concentric with said driving shaft and meshing with said pinion, one of said wheels being of the type of a sun wheel, and the other of the type of an annulus, and the other epicyclic set comprising at least one planetary pinion meshing with the planetary pinion of the first set, and only one wheel concentric with said driving shaft and meshing with said pinion of said second set and of the type of one of said wheels of the first mentioned set, a rotatable pinion carrier carrying said planetary pinions and adapted to be operatively connected with said driven shaft, clutching means adapted to connect said driving shaft separately with two of said three wheels, that is, with a sun wheel and with an annulus, and locking means adapted to lock against rotation the third of said three wheels.

2,239,974
DETERGENT COMPOSITION
Cortes F. Reed, Anoka, Minn., assignor of one-half to Charles L. Horn, Minneapolis, Minn.
No Drawing. Application June 30, 1938, Serial No. 216,852
7 Claims. (Cl. 252—161)

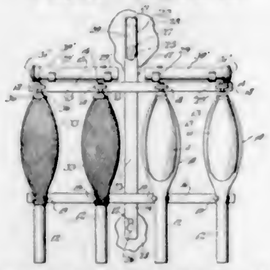
1. A detergent composition consisting essentially of from 35 to 90% by weight of a water-soluble alkali metal salt of a mineral acid and the balance a surface active product prepared by reacting a saturated aliphatic hydrocarbon in a liquid state at a temperature between 30° C. and 100° C. with a gaseous mixture of sulfur dioxide and chlorine, and hydrolyzing the resulting product with an alkali metal hydroxide solution.

2,239,975
FIRE EXTINGUISHER
William Louis Roessner, Denver, Colo., assignor to Bertha L. MacGregor, as trustee
Application February 23, 1939, Serial No. 257,866
6 Claims. (Cl. 169—26)



3. A fire extinguisher comprising a container having a recess formed in one of its walls, puncturing means mounted and operable in said recess, thermo-responsive retaining means for rendering the puncturing means inoperative until a predetermined temperature has been reached and then automatically releasing the puncturing means, and means for actuating the puncturing means when said retaining means has been released, said puncturing means comprising a pair of aligned, hollow, pointed members, a coiled spring between said members, and means on the puncturing members engaged by said retaining means.

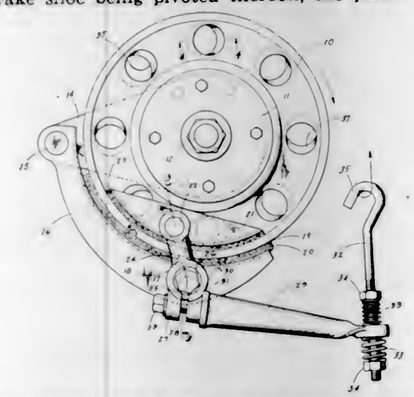
2,239,976
FIRE EXTINGUISHER CARRIER
William Louis Roessner, Denver, Colo., assignor to Bertha L. MacGregor, trustee
Application March 1, 1939, Serial No. 259,131
2 Claims. (Cl. 224—45)



2. A fire extinguisher carrier for carrying extinguishers of the grenade type, comprising an open frame having upper and lower horizontal bars, a handle secured to the frame and extending laterally of the frame on opposite sides thereof, a wall abutting member extending downwardly between the handle and frame, and vertically aligned means on said bars for engaging and removably supporting an extinguisher grenade.

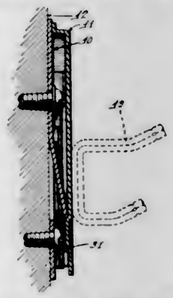
2,239,977
BRAKE MECHANISM
Ralph H. Rosenberg, Detroit, Mich., assignor to Detroit Duo-Grip Brake Company, Detroit, Mich., a corporation of Michigan
Application June 28, 1940, Serial No. 342,985
2 Claims. (Cl. 188—76)

1. A brake mechanism comprising, a brake drum, internal and external brake shoes coordinated therewith, a fixed post, a pin therein pivotally supporting said external brake shoe, one of said brake shoes being of greater length than the other, a bell crank, a pintle mounted therein, said internal brake shoe being pivoted thereon, a second pintle in said bell crank, said external brake shoe being pivoted thereon, the pintle in



the longer brake shoe being disposed in greater spaced relation with said pin in said post than the pintle in the other brake shoe, whereby said bell crank will fulcrum on the pintle in the shorter brake shoe as the brake drum moves the pintle in the longer brake shoe away from said pin under the influence of the frictional resistance offered by the longer brake shoe.

2,239,978
WALL BRACKET
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application November 12, 1938, Serial No. 239,988
3 Claims. (Cl. 248—224)



3. A wall bracket, comprising a backing plate, means for securing said backing plate in fixed engagement with the wall, a face plate for supporting a fixture, one of said plates being of resilient material, co-operating means on said plates for holding them in an assembled relation including a tongue formed integrally with said resilient plate, said tongue being provided by disconnected openings forming a fulcrum on each side and between the ends thereof, the ends of said tongue on each side of said connection extending in the same plane out of the plane of said resilient plate, one end of said tongue engaging a projection on the other of said plates for maintaining said assembled relation against accidental displacement, said securing means engaging the other end of said tongue for rotating said tongue into holding engagement with said projection.

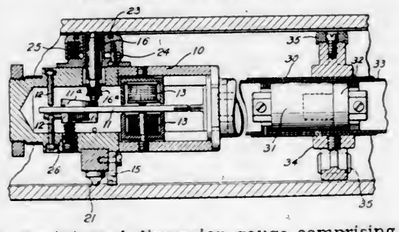
2,239,979
MANUFACTURE OF SPINNERETTES
Max Schneider, deceased, late of Elizabethton, Tenn., by Emma Schneider, administratrix, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1938, Serial No. 184,425
3 Claims. (Cl. 204—16)

2. In the preparation of spinnerettes, the steps comprising providing a plurality of holes of the desired size and shape in the draw plate; applying a film-forming organic insulating coating composition of a color different from that of the metal of the spinnerette to prevent the electro-deposition of metal except on and around any metal projecting beyond the surface of the draw plate; electro-depositing a metal upon the inner and outer surfaces of any metal projections; filling said holes with a resinous material, said material being liquid at normal room temperatures and having a melting point below the temperature at which the metal of the spinnerette would lose its temper; baking to solidify the resinous material, polishing the surface of the draw plate to remove any metal projections as well as the metal plated thereon and the coating composition; and dissolving and removing the resinous material from the holes.

2,239,980
DEXTRAN ETHER ESTER
Grant L. Stahly and Warner W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 4, 1938, Serial No. 238,855
4 Claims. (Cl. 260—209)

1. In a method of producing a mixed ester derivative of bacteriologically formed dextran, reacting the dextran with butyl chloride to form the butyl ether derivative of dextran, dissolving the derivative of dextran in an aqueous solution of sodium hydroxide, and reacting the mixture with a benzoyl halide to form the mixed ester derivative of dextran.

2,239,981
INTERNAL DIMENSION GAUGE
Spencer B. Terry, West Hartford, and Raymond S. Fox, Hartford, Conn., assignors to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application June 22, 1938, Serial No. 215,190
4 Claims. (Cl. 33—178)



1. An internal dimension gauge comprising in combination, a body member, fixed bore contact-

ing members removably secured thereto, a radially movable bore contacting member disposed diametrically opposite one of said fixed contacting members, means normally forcing said movable contacting member into contact with said bore, a spring pressed bearing member surrounding said movable contacting member and forcing one of said fixed contacting members constantly into contact with the bore being gauged, means engaging said movable contacting member, a member actuated thereby to indicate the radial position of said movable member, and an extension attached to said body member having a supporting member thereon, whereby said gauge may be maintained in successive gauging positions along a bore being gauged.

2,239,982

TOY

Fred S. Welch and Glyn O. White, Los Angeles, Calif., assignors to Clyde S. Payne, Los Angeles, Calif.

Application May 18, 1939, Serial No. 274,420
7 Claims. (Cl. 272—53)



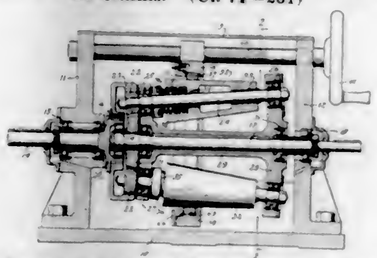
7. A toy of the class described embodying: a body; a front leg pivotally mounted on said body; a pair of oppositely disposed rear legs pivotally mounted on opposite sides of said body at a substantial distance behind said front leg; means connecting said rear legs together to form a unit; a rocker secured adjacent its rear end to the lower end of said front leg; rockers secured adjacent their rear ends to the lower ends of said rear legs; mechanism interconnecting the front and rear legs so that with rocking movement of the front leg outwardly or inwardly the rear legs are also caused to move outwardly or inwardly and vice versa; a seat on the top of said body; and a foot rest on the front of each rear rocker for receiving a portion of the rider's weight during a forward rocking movement.

2,239,983

VARIABLE SPEED TRANSMISSION

Alfred Gust Bade, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application February 27, 1936, Serial No. 66,041
14 Claims. (Cl. 74—281)



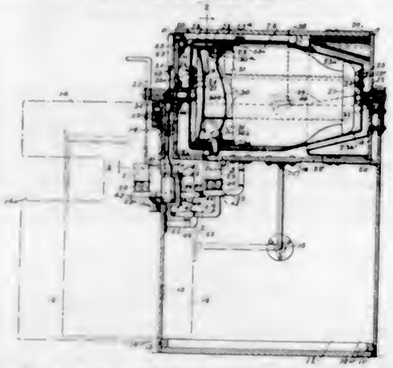
1. In a variable speed transmission the combination of a carrier mounted for rotation about a fixed axis, a group of tapered planetary rollers supported therein for rotation about individual axes, said last-named axes being inclined relative to said first named axis and fixed relative to said carrier, a control ring contacting and encircling said group of rollers, means for shifting said ring axially over substantially the length of said rollers to regulate their planetary action, torque transmitting gearing including a planetary gear connected to each of said rollers, and resilient means for urging said rollers outwardly along their axes to thereby expand said roller group against said ring without disturbing the positions of said roller axes.

2,239,984

MACHINE FOR DISPENSING LIQUIDS

Julian C. Barreda, Flushing, N. Y., assignor of one-half to Harold J. McLaughlin, Brooklyn, N. Y.

Application January 10, 1938, Serial No. 184,211
13 Claims. (Cl. 249—2)



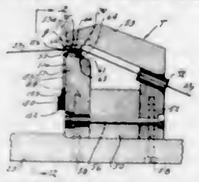
1. In a machine for dispensing a liquid, the combination of a liquid container having a normally closed liquid-outlet port and also having a liquid stirring element therein, means to support said liquid container rotatably, means to effect a proper rotary movement of said liquid container for stirring the liquid therein and for bringing said outlet port to a lower position from a higher position after the stirring of the liquid, means provided to move a receiving vessel under and from under said liquid-outlet port when the latter is in its lower position, and means operable by said rotary movement of the liquid container for opening said liquid-outlet port.

2,239,985

ELECTRICAL MUSICAL INSTRUMENT

Hugo Benioff, La Canada, Calif.

Application August 12, 1938, Serial No. 224,518
19 Claims. (Cl. 84—1.16)



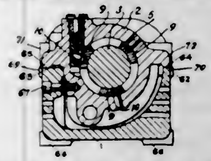
1. In a stringed electrical musical instrument having a frame and a plurality of laterally spaced vibratable strings stretched thereon, a magnet mounted on said frame having one pole piece structure extending toward said strings, a plurality of bridge elements mounted directly on said pole piece structure engaging said strings to define one end of a vibrating length of each string, and said pole piece structure having a pole face extending a limited distance beginning at said defined string ends along the vibrating strings, said magnet having a portion extending rearwardly from said pole piece structure in a direction along the strings, and having a pole piece structure of opposite polarity reaching from said last mentioned magnet portion across the path of the strings and forwardly along the strings, said pole piece structure having apertures passing said strings with clearance, and being formed with a pole face located on the opposite side of the strings from and presented in opposition to said first mentioned pole face.

2,239,986

MOUNTING FOR ROTARY TOOL SPINDLES AND THE LIKE

Harold L. Blood, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts

Original application September 15, 1937, Serial No. 163,983. Divided and this application September 2, 1938, Serial No. 228,195
4 Claims. (Cl. 308—15)



1. In apparatus of the class described, a rotary spindle, bearings for said spindle, and a mounting for said spindle and its bearings to maintain the spindle axis substantially at a predetermined level, said mounting comprising a housing of ordinary relatively-expansible metal surrounding and enclosing said bearings and said spindle, and a separate support for said housing, composed of low-expansion metal, said support being out of supporting contact with said housing except at surfaces in or above the horizontal plane of the spindle axis, thereby permitting expansion of said housing to occur, without appreciably raising the level at which said spindle axis is maintained by said mounting.

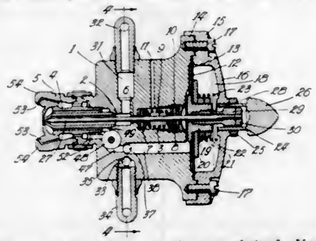
2,239,987

SPRAY GUN UNIT

Svend Bramsen and Eric Gustafsson, Chicago, and William B. McMartin, Lombard, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application August 20, 1938, Serial No. 225,974
6 Claims. (Cl. 299—140)

4. A spray gun unit comprising a body provided with a bore extending therethrough, a spray nozzle unit comprising material and air nozzle parts connected to said body at an end of said bore and with the material nozzle part communicating with said bore, a material passage in said body and leading to said bore, said body at the other end of said bore having a chamber with a diaphragm therein and with said diaphragm dividing said chamber into chamber portions, a spring in a chamber portion and pressing against said diaphragm on one side thereof, a sealing means in said other end of said bore, a needle valve connected to said diaphragm and extending from the other side thereof and through said other chamber portion, said sealing means, into said bore and said material nozzle, an air passage in said body and comprising an entry portion, a branch portion of given size leading to said last mentioned chamber portion, and another branch portion of smaller size leading to



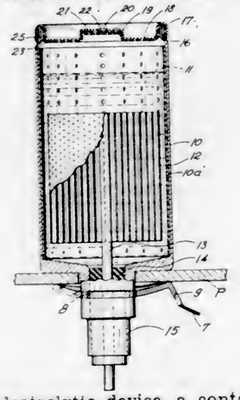
said air nozzle part, a spring resisted diaphragm type of check valve in said entry portion for controlling the passage of air under pressure in given time relation and operated by pressure air therein for supplying air at given pressure to said branch portions, said second branch portion acting to throttle the air to the air nozzle part.

2,239,988

ELECTROLYTIC DEVICE AND METHOD OF MAKING SAME

Joseph B. Brennan and Leona Marsh, Fort Wayne, Ind.; said Marsh assignor to Joseph B. Brennan, Fort Wayne, Ind.

Application August 20, 1936, Serial No. 96,976
4 Claims. (Cl. 220—44)



1. In an electrolytic device, a container having a flanged open end, a cap forming a closure for said container, said cap having an upwardly extending hollow boss having an opening therethrough, a perforated rubber member disposed in engagement with the inner surface of said boss adjacent said opening, and a film of flexible material adhering to the under side of said cap in the region immediately adjacent said disk for retaining said member in position.

2,239,989

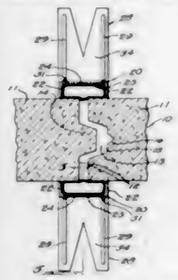
SEALING MEANS FOR USE IN GROUTING VERTICAL SEAMS IN SEA WALLS OR THE LIKE

Verner E. Britton, Newport Beach, Calif.

Application May 27, 1939, Serial No. 276,175
8 Claims. (Cl. 25—118)

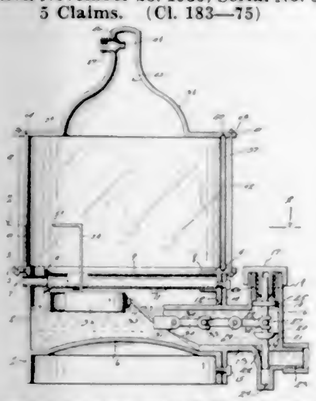
1. In a system for grouting the seams intervening componental sections of a sea wall or the

like, a rigid backing member adapted to be secured against the wall in opposing relation to a seam, and a hollow sealing member expansible



by applied internal pressure between the backing member and the wall and adapted by expansion to seal the seam at the wall face.

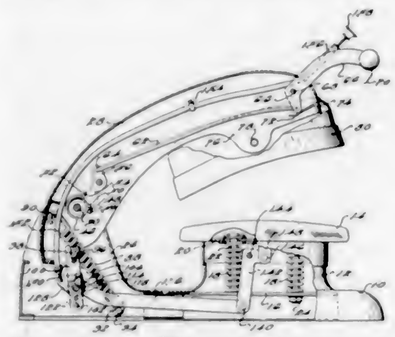
2,239,990
DEHYDRATOR
Oral Glenn Burton, Marion, Ind.
Application November 28, 1939, Serial No. 306,555
5 Claims. (Cl. 183—75)



1. A separator structure of the character described, comprising a body providing a gas chamber, the lower portion of said body being constructed and arranged to provide a fluid collection receptacle having a drain outlet, an inlet for said body at the upper part of said receptacle, a gas outlet in the upper part of the chamber, means connected with the said inlet for deflecting introduced gas downwardly into the receptacle wherein moisture in the introduced gas will be directly condensed and collected, and means forming a part of the outlet providing a restricted mouth opening into the outlet, the opening of which mouth has an area interiorly smaller than the area of the inlet to effect the retarding of the flow of gas from the chamber as a result of which settlement of heavier particles carried by the gases will be effected.

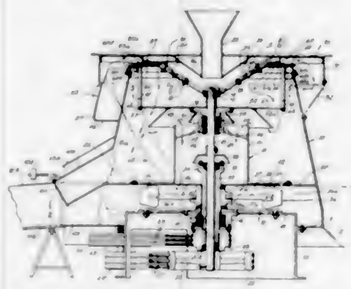
2,239,991
PRESS IRONER
Theodore R. Bush, Royal Oak, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 16, 1938, Serial No. 190,833
4 Claims. (Cl. 38—25)

2. In a press ironer, a base, a spring mounted buck carried on said base, an arm pivoted to said base for rotation about a horizontal axis, a pressing shoe carried by said arm and cooperable with said buck, means for drawing said buck against its spring mount, said means being operable by lowering said arm into pressing position, means



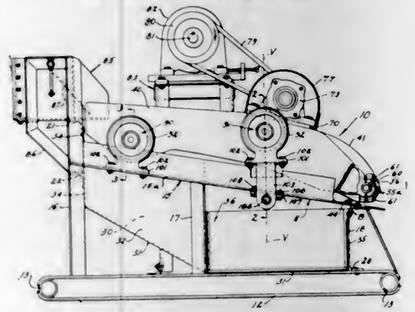
for locking said arm in a pressing position, means for locking said buck in a spring-compressed position; control means for releasing said locking means, and control means for releasing said arm, both said control means being mounted on one operating handle.

2,239,992
CENTRIFUGAL SEPARATOR
Harry Lee Corwin, Los Angeles, Calif., assignor to Vernon Tool Co. Ltd., Los Angeles, Calif., a corporation of California
Application March 16, 1938, Serial No. 196,216
9 Claims. (Cl. 210—66)



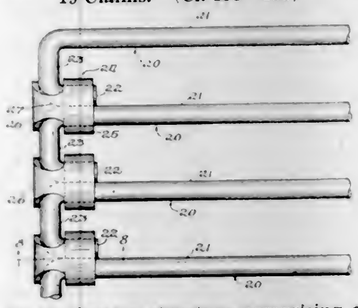
1. In a separator, the combination of a casing, a conical screen member rotatably mounted in said casing, a cover member mounted in spaced relation over said conical screen member, said cover member having a restricted opening through which materials may be introduced to said screen, and said cover member defining an air space over said screen member that is closed except for said restricted materials opening and for a restricted peripheral opening leading inwardly over the periphery of the screen member, and a suction fan for reducing the air pressure below said conical screen and thereby causing a flow of air between said cover and the peripheral edge of said screen and against the material on said screen, in a direction contra to the direction in which material tends to be thrown from said screen by centrifugal action, and thence downwardly through said screen.

2,239,993
VIBRATING SCREEN
Harry Lee Corwin, Los Angeles, Calif., assignor to Vernon Tool Co. Ltd., Los Angeles, Calif., a corporation of California
Application April 10, 1939, Serial No. 267,042
8 Claims. (Cl. 209—326)



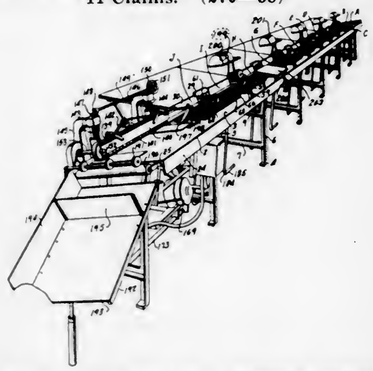
7. A vibratory screen comprising a vibratory screen frame having a longitudinally extending screen fabric, a vibrator mounted on said screen frame, a stationary frame, resilient supports supportingly connected with the vibratory frame at points located approximately in a vertical plane passing through the center of gravity of the screen frame and vibrator, means supporting said resilient supports from the stationary frame and allowing said resilient supports substantially unopposed movement bodily in a direction longitudinal of the screen frame while restricting movement of the resilient supports bodily in a direction normal to the screen frame, and additional resilient supporting means mounted on said stationary frame and supporting said vibratory screen frame at a position horizontally spaced from said center of gravity in a direction longitudinally of the vibratory screen frame.

2,239,994
ELEVATOR STRUCTURE
Charles F. Crumb, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 30, 1937, Serial No. 182,428
19 Claims. (Cl. 198—195)



1. In an elevator structure comprising a pair of links, each including a body portion, a reversely bent end portion, and a transverse connecting portion between the end and body portions, said links being positioned in parallel side-by-side relation with the end portion of one link immediately adjacent the body portion of the other link and the transverse portions of the links in line and with a space between the links at the region of juncture of the transverse and end portions of the first link and the region of juncture of the body and transverse portions of the second link, the combination with said links of a clip having a main portion surrounding the adjacent parts of the links and abutting on one side thereof and having an auxiliary portion extending from the main portion on the opposite side of the links and into the aforementioned space between the links.

2,239,995
TIPPING MACHINE
Dietrich Daneke and William H. Kushera, Topeka, Kans., assignors to Fred M. Brackett, Topeka, Kans.
Application May 25, 1938, Serial No. 210,021
11 Claims. (270—58)

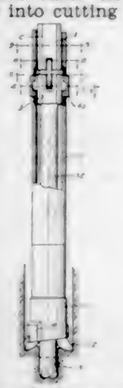


1. In a tipping machine, alternate carbon and form sheet stations, sheet advancing means extending along said stations to successively gather a form sheet and then a carbon sheet, sheet gaging means extending along said sheet advancing means to position the sheets moved therealong by said sheet advancing means in definitely positioned relation with said carbon stations, means at the carbon stations and selected form sheet stations and spaced above said sheet advancing means for supporting applied sheets above the sheets advanced from the preceding stations whereby the advance sheets move under a supported sheet, gage means spaced from said form sheet gaging means for positioning selected edges of the carbon sheets relatively to the form sheets, and means at selected stations and operating upon the form sheets for applying glue stripes to adhere a carbon sheet and a superimposed form sheet respectively.

2,239,996
DRILLING APPARATUS
James F. Chappell, Mineola, Tex., assignor to Chappell Drilling Equipment Corporation, a corporation of Texas
Original application May 25, 1936, Serial No. 81,647. Divided and this application April 14, 1938, Serial No. 201,905
9 Claims. (Cl. 255—74)

1. A drilling apparatus including, a rotatable drill pipe having its lower end open, means for rotating said pipe, an outer bit body adapted to be lowered through the pipe to the bottom thereof and having its outer surface recessed to provide lateral supporting shoulders thereon, cutting blades having their upper ends supported on said shoulders and arranged to be swung outwardly,

said blades normally being held in a retracted position by gravity, means at the bottom of the pipe for supporting the bit body within the pipe so that the cutting blades project from the lower end of the bit, a tubular mandrel adapted to be inserted within the outer bit for swinging the blades outwardly into cutting position, an inner



pilot bit carried by the lower end of the mandrel and projecting below the outer bit, means on the lower end of the pipe engaging the blades for imparting rotation to the outer bit, and means on the upper end of the mandrel arranged to be connected with the drill pipe for imparting rotation to the inner bit.

2,239,997
WETTING AGENT
Albert K. Epstein and Morris Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 9, 1938, Serial No. 229,094
6 Claims. (Cl. 260—404)

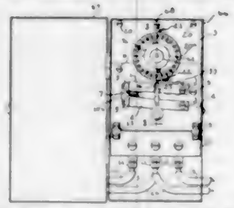
1. The class consisting of the free reaction products and salts of reaction products having a light color and being characterized by substantial freedom from odor and resulting from the reaction of triethanolamine and a member selected from the group consisting of caprylic acid and esters thereof, at temperatures in excess of 100 degrees C. while passing steam through the reaction mass, and then rapidly cooling the reacting mixture while maintaining a steam atmosphere at least until partial temperature reduction has been effected.

2,239,998
SLEEVE CONSTRUCTION FOR GARMENTS
Margit Fellegi, Los Angeles, Calif., assignor to Cole of California, Inc., Los Angeles, Calif., a corporation of California
Application March 6, 1939, Serial No. 259,969
1 Claim. (Cl. 2—125)



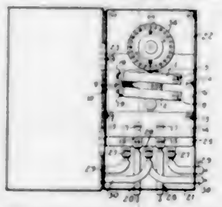
In a sleeve type garment, a bodice portion, sleeves attached to the bodice, means for eliminating the strain from the outer sleeve portion about the shoulder, each sleeve comprising an inner and outer layer unattached except at their upper end where they cover the shoulder the inner layer fitting snug on the wearer's arm while the outer layer is loose fitting, and means for holding the sleeve portion about the shoulder in an extended position, said means comprising a stiffening element between the inner and outer layers and fastened to the upper side of the shoulder and holding the outer layer spaced away from the inner layer.

2,239,999
AUTOMATIC TIME SWITCH
John C. Gillette, Dayton, Ohio, assignor to Cap Products Inc., Dayton, Ohio, a corporation of Ohio
Application November 12, 1938, Serial No. 240,179
13 Claims. (Cl. 200—38)



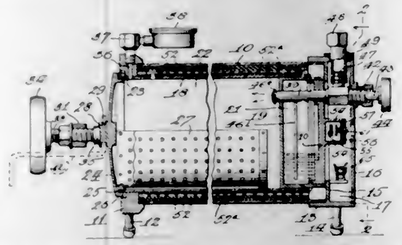
1. A switch comprising a pair of rigid parallelly disposed arms, said arms being pivotally mounted at one end on separate pivots secured to the switch and carrying at the opposite ends contacts for making and breaking circuits, means for maintaining the arms in a closed contact position, means for rotating both arms in the same direction about their pivots to a reset position, whereby the arms are moved longitudinally with respect to one another and a wiping action takes place at the contact surfaces, and means for moving the arms relatively to one another to open the contacts.

2,240,000
AUTOMATIC MULTIPLE TIME SWITCH
John C. Gillette, Dayton, Ohio, assignor to Cap Products Inc., Dayton, Ohio, a corporation of Ohio
Application March 6, 1939, Serial No. 259,937
11 Claims. (Cl. 200—38)



1. A time switch comprising a plurality of pairs to rigid coextensive parallelly disposed arms A, B, said arms being rotatably mounted on separate axes at one end on the switch and carrying at their opposite ends contacts for making and breaking circuits, spring-operated means for simultaneously rotating arm A of each pair away from arm B of each pair to open the contacts, spring-operated means for simultaneously rotating arm B of each pair toward arm A of each pair simultaneously to close the contacts, and automatic means for preventing the operation of said last-mentioned means until after a predetermined length of time.

2,240,001
STERILIZER
Walter G. Harvey, Los Angeles, Calif.; Elizabeth S. Harvey administratrix of said Walter G. Harvey, deceased
Application December 22, 1937, Serial No. 181,183
1 Claim. (Cl. 21—110)



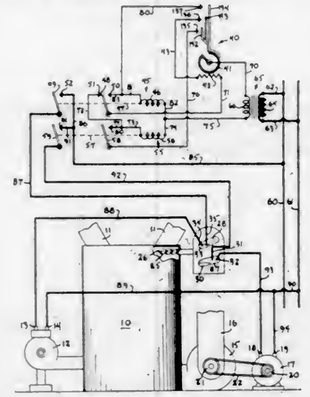
In a sterilizing apparatus, a housing having a sterilizing chamber and a separate chamber adapted to receive a sterilizing solution, electrical heating means arranged within said housing and surrounding both of the chambers therein for heating said chambers, valvular means for controlling the discharge of vaporized sterilizing solution from the solution-containing chamber into the sterilizing chamber and means whereby sterilizing solution is drawn from the solution chamber and delivered with the vaporized solution into the sterilizing chamber.

2,240,002
COLLAR AND NECKTIE SUPPORT
Donald P. Killen, Glendale, Calif.
Application June 19, 1939, Serial No. 279,923
1 Claim. (Cl. 2—132)



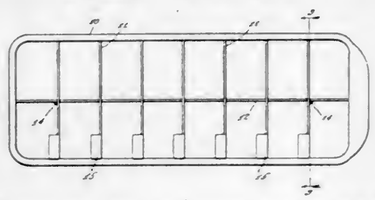
A collar and necktie support formed from a single piece of material and comprising a strip of thin, resilient material, collar supporting members depending from said strip adjacent its ends, the lower portions of which collar engaging members are bent to form open loops, the ends thereof terminating in depending points, a resilient tie engaging member extending downwardly and forwardly from the intermediate portion of said resilient strip which tie engaging member is shorter than the collar supporting members, the lower portion of which tie engaging member is bent to form an open loop and the end of said loop terminating in a depending point.

2,240,003
TEMPERATURE CONTROL SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 8, 1937, Serial No. 178,722
7 Claims. (Cl. 236—11)



2. In a heating system, a heater, means for circulating a temperature changing medium through said heater and through a space to be heated, temperature responsive means in the space to be heated, means under the control of the temperature responsive means for causing operation of said heater whenever the temperature in the space drops below a predetermined low value, means for causing said thermostat to interrupt operation of the heater at a time prior to that at which it would normally cause said interruption solely because of a predetermined temperature rise within said space, said time being such that the burner is operated for short frequent periods so that the temperature in the heater is maintained at a substantially constant value dependent upon the heating load, and such that continuous operation of the medium circulating means maintains a substantially constant desired temperature in the space being heated, and means under the control of the temperature responsive means for normally causing operation of the medium circulating means at all times unless the temperature in the space being heated rises to a high predetermined undesirable value.

2,240,004
ICE CUBE TRAY
Thomas J. Morton, Jr., and Charles A. Bauer, Newburg, Ind., assignors to The Cardinal Corporation, Evansville, Ind., a corporation of Indiana
Application March 11, 1938, Serial No. 195,354
3 Claims. (Cl. 62—108.5)



1. In combination, an ice-cube tray, a grid hav-

ing a longitudinal partition and a plurality of transverse partitions intersecting and rigidly secured to said longitudinal partition and extending from one side of said tray to the other, corresponding ends of said transverse partitions being provided at their upper edges with horizontally extending ears, and a lever adapted to rest upon the top of any of such transverse partitions and to engage beneath the ear of an adjacent transverse partition.

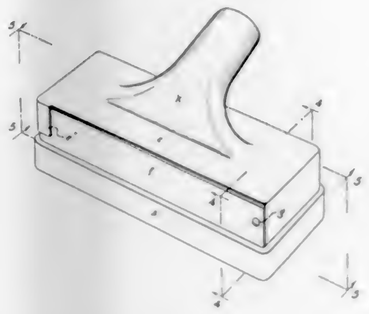
2,240,005

WALL CLEANING ATTACHMENT

George W. Moyer, Portland, Oreg.

Application August 15, 1938, Serial No. 224,847

1 Claim. (Cl. 15—155)



A wall-cleaning attachment comprising, a hollow head constituting a suction chamber, said head being connectable to a vacuum inducing means, and having an open face, a sponge-like resilient brushing pad of substantial thickness and having a plane outer face, a rigid back piece to which said pad is firmly attached, said back adapted to be inserted in and providing a substantially air-tight closure for said open face of the head, said pad and its said back provided with concentric, continuous suction ducts of substantial cross section constituting clear, constantly open dust passageways extending through said pad and its back and into said open suction chamber, and means for fastening said back in said head with the pad located entirely exterior the head, said fastening means consisting of holding flanges provided on the interior of the sides of the head, one of said sides being removable, and grooves adapted to receive said holding flanges provided on the perimeter of said back.

2,240,006

ESTERS OF HIGH-MOLECULAR POLYCARBOXYLIC ACIDS

Ernest G. Peterson, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 3, 1938, Serial No. 193,613

4 Claims. (Cl. 260—75)

1. The process of producing a rubbery, gelled synthetic resin which comprises reacting a terpene with maleic anhydride, distilling off the volatile portion of the product so formed to separate a non-volatile residue, and heating the said non-volatile residue with a glycol for a period of time sufficient to reach the gelled state.

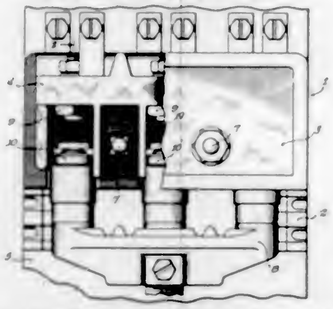
2,240,007

ELECTRICAL ARC BARRIER

Laurence E. Power, Milwaukee, Wis., assignor to Rostone Corporation, La Fayette, Ind., a corporation of Indiana

Application July 29, 1939, Serial No. 287,351

10 Claims. (Cl. 200—168)



1. An electrical insulating and arc-resisting element that exhibits marked resistance to destructive action of an electric arc including an indurated mixture of finely divided hydrated aluminosilicic acid and finely divided alkaline earth base material.

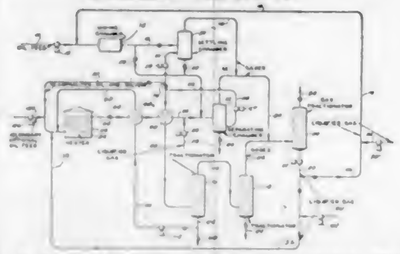
2,240,008

TREATING HYDROCARBON FLUIDS

Harold V. Atwell, Beacon, N. Y., assignor to Process Management Company, Incorporated, New York, N. Y., a corporation of Delaware

Application December 29, 1938, Serial No. 248,176

2 Claims. (Cl. 196—9)



1. A method of treating hydrocarbons which comprises mixing relatively heavy hydrocarbon oil with liquefied normally gaseous hydrocarbons containing a relatively large proportion of propane, passing the mixture to a settling chamber wherein asphaltic constituents are separated and a deasphalted oil containing normally gaseous hydrocarbons in solution is obtained, passing at least a part of the deasphalted oil containing normally gaseous hydrocarbons through a conversion zone wherein they are raised to an elevated temperature and maintained under superatmospheric pressure to effect the desired conversion, cooling the products of conversion to condense normally liquid hydrocarbons and liquefy a substantial part of normally gaseous hydrocarbons, passing the cooled liquid products to a separating chamber to separate asphaltic constituents from desired products of conversion, admixing at least a part of the deasphalted oil with the deasphalted products of conversion, heating the admixed deasphalted oil and deasphalted products of conversion by indirect heat exchange with the products of conversion leaving said conversion zone, fractionating the vapors from the heated deasphalted oil and deasphalted products of conversion to separate reflux condensate and a lighter hydrocarbon fraction containing gasoline constituents from normally gaseous constituents, heating reflux condensate by indirect heat exchange with the products of conversion leaving said conversion zone, recycling heated reflux condensate to said conversion zone, cooling the last mentioned normally gaseous constituents to liquefy normally gaseous hydrocarbons and separating liquefied normally gaseous hydrocarbons containing propane from gaseous constituents, using at least a part of the last mentioned liquefied normally gaseous hydrocarbons for mixture with and deasphalting of the relatively heavy hydrocarbon oil to be converted, admixing another part of the last mentioned liquefied normally gaseous hydrocarbons with the recycled reflux condensate and deasphalted oil charged to said conversion zone.

2,240,009

MINERAL OIL COMPOSITION AND IMPROVING AGENT

Darwin E. Badertscher, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application May 26, 1939, Serial No. 275,853

12 Claims. (Cl. 252—47)

1. A mineral oil composition comprising a viscous mineral oil fraction having in admixture therewith a minor proportion of the reaction product obtained by dissolving substantially equivalent proportions of an alkali alkyl xanthate and a beta-chloroethyl amine in a suitable solvent medium; refluxing the mixture for a sufficient period of time to precipitate alkali chloride and form the reaction product; and removing the alkali chloride and the solvent from said reaction product.

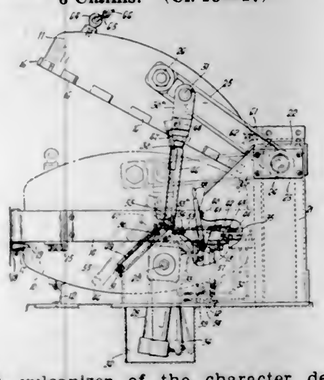
2,240,010

VULCANIZER

George P. Bosomworth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application July 13, 1938, Serial No. 218,938

6 Claims. (Cl. 18—17)



1. A vulcanizer of the character described, comprising a removable cover, means for raising and lowering the same, said means comprising a fluid pressure cylinder having a reciprocable piston rod that is projected outwardly to raise said cover, and a strut pivotally connected to the piston rod near the outer end thereof and automatically positionable against the piston rod with its lower end in juxtaposition to the adjacent cylinder head, when the piston rod is in projected position, whereby retraction of the piston rod is prevented upon failure of the fluid pressure.

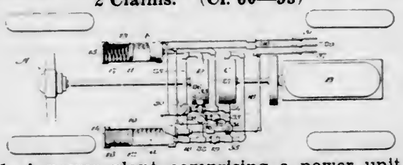
2,240,011

POWER PLANT

Hilton W. Casey, Boothwyn, Pa., assignor of fifty one-hundredths to Edward Margolin, and twenty one-hundredths to Aaron Tollin, both of Chester, Pa.

Application October 26, 1939, Serial No. 301,505

2 Claims. (Cl. 60—53)



1. A power plant comprising a power unit, a liquid pump connected with said power unit to be driven thereby, a liquid motor operatively connected with an element to be driven, said motor being reversible and having a pair of ports either for the inlet of liquid and the other for the outlet of liquid, an expansible and contractible chamber, yieldable means tending constantly to contract said chamber, pipe means connecting the outlet of said pump with said chamber and with both of the ports of said motor, pipe means connecting the inlet of said pump with both of the ports of said motor and also with the outlet of said pump, valves in said pipe means for directing liquid from the output of the pump to either of the ports of said motor and from the other port of said motor to the inlet of said pump, an expansible and contractible liquid reservoir, means tending constantly to contract said reservoir, a connection between said reservoir and the inlet of the pump, valve means for placing the outlet of the pump in direct communication with the inlet thereof and also for denying direct communication between the outlet and the inlet of the pump so as to require liquid supplied by the pump to flow to said chamber and said motor, manual means for actuating said last named valve means, and other means operable by a rise of the pressure in said chamber to a predetermined value to actuate said last named valve means to place the outlet of the pump in direct communication with the inlet thereof.

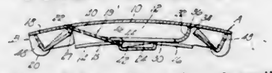
2,240,012

BUCKLE

John B. Freysinger, New Britain, Conn., assignor to North and Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut

Application December 16, 1939, Serial No. 309,562

5 Claims. (Cl. 24—230)



5. A buckle of the character described, comprising two separable members, one member having a front plate and oppositely disposed guide members spaced rearwardly from and parallel thereto, said guide members having locking shoulders intermediate the ends thereof, the other member having a front plate and positioning means extending outwardly therefrom and

receivable within the guide members of said first plate, said positioning means including spaced apart inner and outer shoulders offset from the plane of the front plate of said second member by the thickness thereof and abutting the rear face of the front plate of the first member, a fulcrum intermediate of said shoulders and abutting the guide members of said first member, and locking means carried by said second member and including a transverse locking arm spaced outwardly from said front plate by a resilient tongue, said tongue being oblique to said front plate to normally position said locking arm rearwardly of the plane of the guide members of said first member, whereby said arm will be depressed upon being inserted therebetween, and locking shoulders extending rearwardly from the trailing edges of said locking arms and engaging behind the locking shoulders of said guide members.

2,240,013
WINDSHIELD DEFROSTER
Herbert Gale, Kansas City, Mo., assignor of one-half to Jack W. Comer, Kansas City, Mo.
Application April 1, 1940, Serial No. 327,194
3 Claims. (Cl. 20—40.5)



1. In means for blowing air and spraying a liquid against the windshield of a motor vehicle comprising a stove associated with the engine of the motor vehicle, a blower operated by the engine, a pipe leading from said stove to the intake of the blower, a tank adjacent to the windshield divided into an air compartment and a liquid compartment, a pipe leading from the blower to said air compartment, a plurality of spray nozzles projecting from the liquid compartment and directed towards the windshield, ports establishing communication between said spray nozzles and the liquid compartment, means for controlling said ports, and nozzles communicating with the air compartment and extending into said spray nozzles.

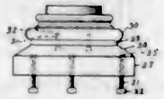
2,240,014
SOUND DEADENER
Paul G. Peik, Detroit, Mich., assignor to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 7, 1938, Serial No. 212,396
6 Claims. (Cl. 260—723)

1. In the manufacture of a sound deadening composition, dissolving uncured rubber in a volatile solvent, finely dispersing a high per cent of water and an inert gas therein while maintaining the components under superatmospheric pressure and thereby forming a non-colloidal water-in-oil emulsion of uncured rubber in which the rubber solution is the continuous phase, and mixing said emulsion with a heavy aggregate approximately twice the weight of the emulsion and consisting of rigid inflexible particles of a particle size to pass through a 20 mesh screen but incapable of passing through a 35 mesh screen.

2,240,015
SOUND DEADENER
Paul G. Peik, Detroit, Mich., assignor to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 7, 1938, Serial No. 212,397
3 Claims. (Cl. 260—723)

1. In the manufacture of a sound deadening composition, producing a non-colloidal water-in-oil emulsion of reclaimed rubber having a high per cent of water finely dispersed therein and in which the rubber is the continuous phase, mixing said emulsion with a high percentage of a heavy aggregate approximately twice the weight of the emulsion and consisting of rigid inflexible particles of a particle size to pass through a 20 mesh screen but incapable of passing through a 35 mesh screen, and also mixing with said emulsion a small percentage of a fibrous material sufficient in quantity to prevent the composition from creeping before and during curing.

2,240,016
BASE FOR PORCH COLUMNS
Edward C. Pinney, Washington, D. C.
Application August 30, 1939, Serial No. 292,711
5 Claims. (Cl. 72—0.5)



1. A base for porch columns comprising a body, column securing means on said body, means securing the column securing means to the body, means for leveling said base, said leveling means anchoring said base to a porch floor.

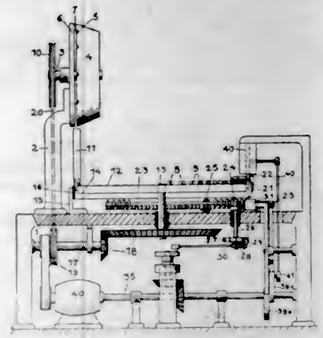
2,240,017
PROCESS FOR PRODUCING WHITE MECHANICAL WOOD PULP FROM PINE WOOD
Otto Primavesi, Berlin-Tempelhof, Germany
No Drawing. Application March 22, 1938, Serial No. 197,503. In Germany April 28, 1937
3 Claims. (Cl. 92—6)

1. In the production of white mechanical wood pulp from pine wood, the process which comprises grinding pine wood in the presence of an aqueous solution of a calcium salt in amount sufficient to form a calcium soap with the resin acids of the wood and adding a soluble alkali metal phosphate, thereby converting said calcium soap into calcium phosphate and forming an inert, filler-like material which is unobjectionable in paper making processes.

2,240,018
DEVICE FOR PRODUCING SLIDING CLASP FASTENERS
Julius Püschner and Josef Püschner, Bodenbach, Germany
Application February 14, 1939, Serial No. 256,400
In Czechoslovakia February 17, 1938
6 Claims. (Cl. 153—1)

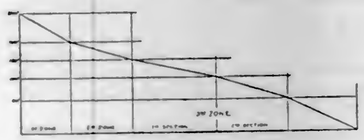
1. A device for producing sliding clasp fasteners wherein a series of fastener members are fixed on a tape, comprising in combination a supply drum for an inordinate supply of fastener members having coupling projections, means for effecting the delivery of each fastener member from said drum in a predetermined position, a horizontal disc rotatable about a vertical axis, a stationary guide ring concentrically surrounding

said disc and spaced a predetermined distance from the latter to form a channel for receiving said fastener members delivered from said supply receptacle, an operating station arranged adjacent the ring, said channel extending from said drum to said operating station, the cou-



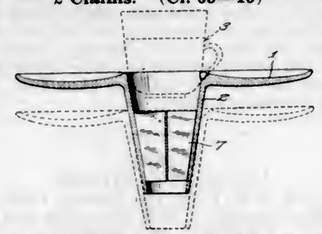
pling projections of said fastener members resting on the rim of the rotatable disc and suspended in the channel and prevented from falling by said ring, and means for rotating said disc for progressively advancing said fastener members in said channel toward said operating station.

2,240,019
METHOD OF MAKING AND COOLING TUBES
Bert L. Quarnstrom and Raymond H. Hobrock, Detroit, Mich., assignors to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application October 21, 1938, Serial No. 236,364
4 Claims. (Cl. 148—21.5)



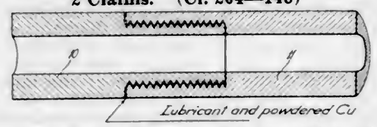
1. In the method of making a ductile tube from strip carbon steel stock wherein the strip is fashioned into tube while the strip and the tube formed therefrom move longitudinally at a rate of speed in the vicinity of 100 feet per minute and upwards and wherein the entire tube is heated to a temperature above the transformation temperature of the steel and above 2000° F. for the uniting of juxtapositioned parts of the strip stock, the steps of cooling the moving tube which comprises, cooling the tube relatively rapidly throughout the temperature range above substantially the upper transformation temperature, cooling the tube throughout the range between substantially the upper and lower transformation temperatures relatively slowly and at such a rate and through a time period that the austenite transforms substantially into a type of dispersion of cementite in alpha iron, then cooling the tube substantially from the lower transformation temperature to a temperature where the tube may be passed to the atmosphere and through a time period such that when the tube is passed to the atmosphere there is substantially no objectionable supersaturation of cementite in alpha iron all with continuous movement of the tube.

2,240,020
PLATE
Clara L. Raiser, Willow Grove, Pa.
Application May 12, 1937, Serial No. 142,293
2 Claims. (Cl. 65—15)



1. The herein described food and refreshment server, comprising a dished main body portion having a central, downwardly extended, tapered, hollow handle, said handle being open at its opposite ends and the upper opening being through the body portion to receive and support therein a separate, detachable, liquid container, coinciding edges of the handle and body portion being notched to receive therein a handle extension of the liquid container.

2,240,021
METHOD OF PREVENTING WEDGE AND CONTACT CORROSION OF METALS AND ALLOYS
John J. B. Rutherford, Jersey City, N. J., assignor to United States Steel Corporation, New York, N. Y., a corporation of New Jersey
Application August 16, 1935, Serial No. 36,575
2 Claims. (Cl. 204—148)



1. The method of preventing corrosion of the close spaced surfaces of joined, jointed and overlapping structures comprised of austenitic stainless steel by electrolytes entrapped in the space gap therebetween which consists in disposing within said space gap a lubricant consisting at least in part of a finely divided protective metal of the group consisting of Cu, Sn, Cd, Ag and alloys of these metals with other metals, said alloys consisting predominantly of at least one of said protective metals, said protective metal being the sole agency inhibiting said corrosive attack.

2,240,022
FRAMEWORK FOR VEHICLES
Léon Salves, Billancourt, France, assignor to Louis Renault, Billancourt, Seine, France
Application February 3, 1939, Serial No. 254,478
In France March 25, 1938
3 Claims. (Cl. 280—106)



1. A vehicle frame comprising flanged U-shaped main side beams, box-shaped external secondary side beams, connected with the main side beams at its front part and surrounding the vehicle frame at the rear, a concave member forming part of a mud guard on each side and secured to the main side beams, cross-pieces

arranged in front of and behind the rear wheels and connecting said main beams with the secondary beams, the secondary beams being interrupted by the concave members, a horizontal flooring having the ends bent at right angles, the flanges of the main side beams being welded to the flooring to present a box shaped formation and the box-shaped secondary beams being constituted partly by section iron members and partly by the flooring and its bent ends welded to said section members.

2,240,023
LINGERIE FASTENER
Julia A. St. Clair, Los Angeles, Calif.
Application July 2, 1940, Serial No. 343,597
2 Claims. (Cl. 24—86)



1. A lingerie strap holder including a section of wire-like material bent to form reversely directed sections and providing a securing section and a holding section, the securing section being of substantially circular form and terminating in a substantially straight portion having a point housed within the said circle and being positioned approximately upon the longitudinal axis of the holder and extending to a point near the uppermost portion of the securing section, and the holding section being of elongated loop form and of a diameter greater than the diameter of the securing section, with the material thereof terminating in a blunt enlarged end which is directed toward the body portion of the material but spaced therefrom so as to form an open throat adjacent the securing section sufficient in size to permit the introduction of the lingerie straps.

2,240,024
FOLDING TABLE
Arthur W. Stone and Page Stone, New York, N. Y.
Application December 2, 1938, Serial No. 243,629
1 Claim. (Cl. 311—35)

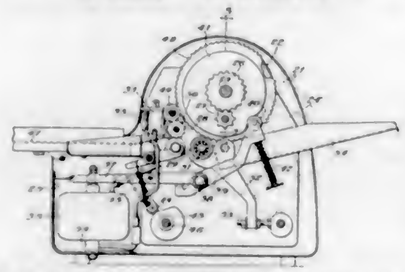


In a folding table construction a sheet including a rectangular section forming an upper ply of the table top, flaps foldably joined to opposite sides of the rectangular section and forming a lower ply of the table top, said lower ply including marginal end portions disposed intra-marginally of the opposite ends of the rectangular section, and wings foldably joined to opposite ends of the rectangular section and forming supports for the table top, each wing including a leaf section foldably joined to an end of the rectangular section, a brace section foldably joined to the leaf section, and a tab section foldably joined to the brace section, said tab section being insertible between the upper ply and a marginal end portion of the lower ply.

2,240,025
MERCURATED HALOGENATED PHENYL PHENOL
Howard Worne and John Stanton Pierce, Georgetown, Ky., assignors, by direct and mesne assignments, to Samuel Brass, New York, N. Y.
No Drawing. Application April 24, 1937, Serial No. 138,750
11 Claims. (Cl. 260—433)

1. As a new product, a mercurated halogenated ortho-phenylphenol in which mercury and a halogen are substituted on the phenol ring.

2,240,026
DUPLICATING MACHINE
Maurice R. Avery, Wauwatosa, Wis., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application June 20, 1939, Serial No. 280,036
26 Claims. (Cl. 101—132.5)



1. In a duplicating machine, the combination of a rotatably mounted drum having an opening through its wall along one side thereof, gripper means for securing one end of a master sheet on the outer face of said drum adjacent to said opening, a roller rotatably mounted in said drum opposite to said opening, means engaging an intermediate portion of said master sheet for pressing it firmly against said roller, and means adapted upon each revolution of said drum to give said roller a rotary movement for bringing a different portion of said master sheet into printing position on the outer face of the drum adjacent to said opening.

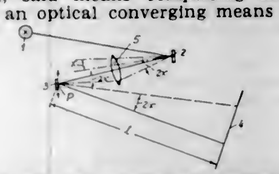
2,240,027
ADHESIVE
Frederick S. Bacon, Newton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 25, 1938, Serial No. 209,977
13 Claims. (Cl. 260—41)

3. A liquid adhesive consisting in a partial polyvinyl acetal resin; a plasticizer; a solvent; and an inert, inorganic pigment, in an amount not exceeding substantially 5% by weight of the resin, which reduces the cold flow without detriment to the adhesive properties of the resin.

2,240,028
LUMINOUS MARK MEASURING ARRANGEMENT
Wilhelm Bader, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application November 24, 1937, Serial No. 176,162
In Germany November 26, 1936
9 Claims. (Cl. 88—24)

1. Means for producing a graph by a luminous

spot for recording the relationship between several varying operating forces, comprising a light beam source, a diaphragm illuminated by said beam, a screen spaced from said source, at least two movable mirrors, each controllable in its movements by one of said forces and shaped and disposed to reflect said beam from one mirror onto the other and onto said screen, and means for producing on the screen an image of said diaphragm, said means comprising in optical alignment an optical converging means and be-



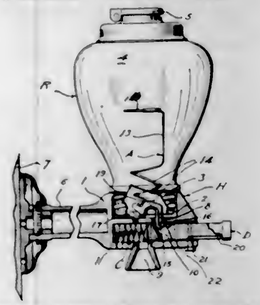
tween said pair of mirrors an optical system focused to project the image of one of said mirrors onto the other and both being positioned between the diaphragm and the screen, whereby the beam reflected by one movable mirror is always focused onto the same point of the next movable mirror irrespective of the angle—within the optical range of the system—through which the first-named mirror has been deflected, and whereby the track of the diaphragm image produced on said screen graphically represents the resultant function of said forces.

2,240,029
HECTOGRAPH BLANKET HAVING AN ORTHO ACIDIC BONDING AGENT
Johan Bjorksten, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application January 10, 1940, Serial No. 313,189
9 Claims. (Cl. 41—31.6)



1. In a hectograph blanket comprising a gelatinous copy mass and a backing, means for securing the copy mass to the backing comprising an ortho organic acidic substance.

2,240,030
DISPENSER FOR POWDERED SOAP AND THE LIKE
Arthur L. Bobrick, San Marino, and Gilbert C. Lee, Los Angeles, Calif.; said Lee assignor to said Bobrick
Application December 27, 1938, Serial No. 247,806
5 Claims. (Cl. 221—102)



1. A dispenser comprising: a receptacle for a material, a holder for said receptacle provided with a cylinder having an inlet from said receptacle and an outlet, a dispensing member reciprocable in said cylinder and having an opening therein for registration with the inlet and outlet, and an agitator mounted on said holder and having a portion extending substantially upwardly in said receptacle and a portion extending through said inlet into said cylinder and normally disposed in said opening in position to be engaged by said dispensing member, said dispensing member having on its upper side and extending longitudinally from the opening therein, an inclined groove, the bottom of which is engageable with the last named portion of the agitator whereby the movement of the dispensing member will effect a movement of said agitator.

2,240,031
TRANSFER PROCESS AND COPY PAPER FOR USE THEREIN
Robert C. Bour, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application March 6, 1939, Serial No. 260,235
4 Claims. (Cl. 101—149.5)

1. In a hectograph process of duplication, the step of contacting a hectograph copy mass having on its surface a design of a water soluble dye with a copy paper containing a water soluble wetting agent distributed on the contact surface of the copy paper, said wetting agent being distributed on the surface of the copy paper without completely covering all the fibers on the surface of the paper and extending a substantial distance beneath the surface.

2,240,032
HECTOGRAPH BLANKET HAVING A WETTING TYPE BONDING AGENT
Robert C. Bour, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application January 10, 1940, Serial No. 313,191
2 Claims. (Cl. 41—31.6)



1. A hectograph blanket comprising a gelatinous copy mass, a backing and an intermediate bonding layer comprising a uniform and intimate mixture of a cellulose derivative and a sulfonated naphthene.

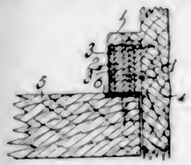
2,240,033
WELD ROD AND COATING THEREFOR
Arthur T. Cape and Charles V. Foerster, Jr., Santa Cruz, Calif.
No Drawing. Application February 20, 1939, Serial No. 257,474
6 Claims. (Cl. 148—23)

5. A mixture for coating weld rods, said mixture containing plumbago and sodium silicate in major proportion and Bentonite in minor proportion.

2,240,034
ETHERS OF CASHEW NUT SHELL LIQUID AND PROCESS OF MAKING THEM
Solomon Caplan, New York, N. Y., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application May 19, 1937, Serial No. 143,495
13 Claims. (Cl. 260—521)

2. Cashew nut shell liquid which has been transformed by the substitution of a hydrocarbon radical for hydrogen of phenolic hydroxyl groups in cashew nut shell liquid.

2,240,035
SECURING DEVICE
Alfred Cyril Catherall, Rotherham, England
Application July 20, 1938, Serial No. 220,405
In Great Britain March 23, 1938
2 Claims. (Cl. 292—70)

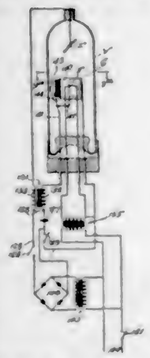


2. A magnetic door holding device for retaining a door member in position against accidental displacement with respect to a frame member, wherein one of said members has mounted thereon an armature plate, comprising a housing of non-magnetic material having a recess extending inwardly from one open end thereof, a magnetic element in said recess, and means on said housing for mounting said housing on the other of said members immediately opposite the armature with the open end of the housing towards said armature, said magnetic element comprising a permanent magnet sandwiched between mild steel pole pieces, the ends of said magnet and said pole pieces lying substantially flush with the open end of the housing.

2,240,036
BISMUTH SUBSALICYLATE SUSPENSION
Walter G. Christiansen, Glen Ridge, N. J., and John Lewis Deuble, Yeadon, Pa., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application September 2, 1938, Serial No. 228,144
10 Claims. (Cl. 167—68)

1. A normally-liquid suspension essentially comprising finely-divided bismuth subsalicylate, a fatty oil, and a small proportion of water.

2,240,037
METHOD AND APPARATUS FOR PRODUCING X-RAY FLASHES
Roland D. Eaton, Boston, Mass., assignor to X-Ray Flash Lamp Corporation, Newton, Mass., a corporation of Massachusetts
Application October 8, 1938, Serial No. 233,990
11 Claims. (Cl. 250—98)

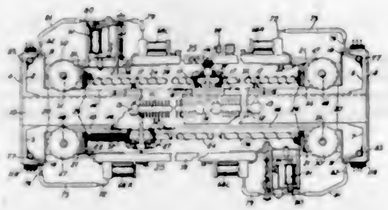


2. X-ray apparatus comprising a substantially evacuated tube having electrode means constituting a cathode, electrode means constituting a target anode, said electrode means being constructed to dissipate energy substantially only within said tube, a circuit for supplying an electric potential to said cathode for heating it, a second circuit for supplying an electric potential between said electrode means for propelling electrons from the cathode to the anode, and means including a switch normally disconnecting said anode from said second circuit, located within said tube and actuated by means of one of said supply circuits, for suddenly applying to said electrode means a potential sufficiently high to cause instantaneous X-ray emission and to destroy the tube.

2,240,038
POLYMERIZATION OF CASHEW NUT SHELL LIQUID AND PRODUCTS THEREOF
Mortimer T. Harvey, East Orange, and Frederick M. Damitz, Millburn, N. J., assignors, by direct and mesne assignments, to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application June 2, 1938, Serial No. 211,466
5 Claims. (Cl. 260—46)

1. The method which comprises mixing cashew nut shell liquid with from about 1% to about 10% of its weight in a mineral acid polymerizing agent and heating from about 300° F. to about 375° F. to produce a body of a consistency which may vary from a very heavy cold molasses to a ropy mass, and then heating from about 260° F. to about 285° F. for from about eight to about fifteen hours to obtain a resilient rubber-like solid mass which can be comminuted.

2,240,039
SELECTOR SWITCH
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 9, 1938, Serial No. 218,335
11 Claims. (Cl. 179—27.53)

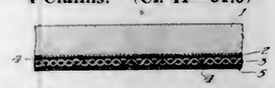


1. In a selector switch having a bank of terminals and a brush set cooperating therewith, a brush carriage upon which said brush set is mounted, a belt traversible in either of two directions for moving said brush carriage to traverse said brush set in either direction across said bank, supporting pulleys for said belt, a pneumatic motor for traversing said belt operable by air at atmospheric pressure and a reservoir of air under less than atmospheric pressure, said motor comprising a cylinder through which said belt passes, a piston within said cylinder to which said belt is secured and a magnetically controlled valve associated with each end of said cylinder for connecting either end of said cylinder with the atmosphere or with said reservoir.

2,240,040
STABILIZATION OF ETHERS
John Hooton, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 15, 1939, Serial No. 268,018
2 Claims. (Cl. 23—250)

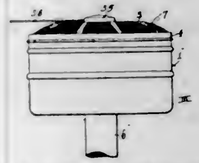
1. Stabilized ether composition comprising isopropyl ether, 5% to 30% of secondary butyl alcohol, based upon the volume of isopropyl ether, and from 3 to 7 mg. of alpha napthol per 100 cc. of isopropyl ether.

2,240,041
HECTOGRAPH BLANKET AND BACKING THEREOF
William Hoskins, Jr., La Grange, and Robert C. Bour, Chicago, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application April 13, 1939, Serial No. 267,736
4 Claims. (Cl. 41—31.6)



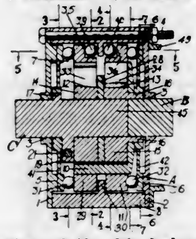
1. A hectograph blanket adapted to be formed into a roll, having a fibrous backing containing a filling composition comprising an inorganic filler and a hygroscopic organic substance which in its dry state is a water soluble solid.

2,240,042
AIR CLEANER
Robert A. Kelsey and Harry Wright, San Diego, Calif., assignors to Aeromotive Components Corporation, a corporation of California
Application March 22, 1940, Serial No. 325,364
2 Claims. (Cl. 183—14)



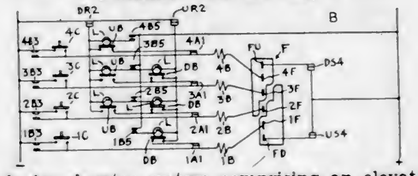
1. A device of the type described, comprising: a first casing member having inner and outer concentric cylindrical walls interconnected at their lower edges to define an annular receptacle open at the top; a cover element adapted to fit the upper end of said outer cylindrical wall; an inner member having a peripheral wall of diameter intermediate the inner and outer cylindrical walls of said first casing member, a top closure wall therefor; the lower portion of said first casing member constituting a sump for liquid and the peripheral wall of said inner member dipping into said liquid to seal therewith, said peripheral wall of said inner member having a filter element therein for the passage of gas therethrough, and means for admitting gas into the space between said first casing member and said inner member, in which said cover element is provided with gas inlet openings and said top closure wall of said inner member is spaced a substantial distance below said cover element, the said top closure wall being depressed at the center to define a liquid reservoir, means for delivering liquid to said reservoir, and an auxiliary wall positioned intermediate said cover element and said top closure wall and defining therebelow a passage for liquid from said reservoir to the outer edge of said top closure wall, and defining with said cover element a gas passage.

2,240,043
AUTOMATIC SHAFT BRAKE DEVICE
Vernon Kinser, Butterfield, Mo.
Application December 28, 1939, Serial No. 311,251
7 Claims. (Cl. 192—8)



1. In a device of the kind described, in combination, co-axial driving and driven shafts, mechanisms co-operably responsive both to torque-transmission between said drive and driven shafts and to the torsional balance between said drive and driven shafts for restraining said driven-shaft against torque-transmission to said drive-shaft in either direction and, for effecting unrestrained torque-transmission from said drive-shaft to said driven-shaft in either direction, said mechanisms including first and second rings mounted for limited revolution bodily about the co-axis of said drive and driven shafts, means alternatively actuable responsively to torque-transmission between said drive and driven shafts for effecting frictional engagement between said driven-shaft and said first or second ring, a non-rotatable restraining member, a pair of braking-members adapted to co-operate with said restraining member for restraining said drive and driven shafts against revolution, and oppositely acting one-way clutches respectively operatively connected to said braking-members and disposed for restricting the motion of said rings.

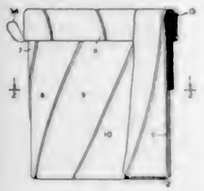
2,240,044
ELEVATOR CONTROL AND SIGNAL SYSTEM
Adolf Kramer, Mt. Kisco, N. Y.
Application June 13, 1939, Serial No. 278,807
5 Claims. (Cl. 187—29)



1. An elevator system comprising an elevator car serving a plurality of floors; starting and stopping mechanism for said car; an up button and a down button at each of said plurality of floors; a floor relay corresponding to each of said floors; means responsive to the operation of any one of said buttons, other than the buttons for the floor at which the car is positioned to actuate a floor relay and to cause the starting of the car towards the floor at which said button is operated and thereafter responsive only to buttons which correspond to said direction in which the car is travelling and can be served only while the car is traveling in said mentioned direction, and for

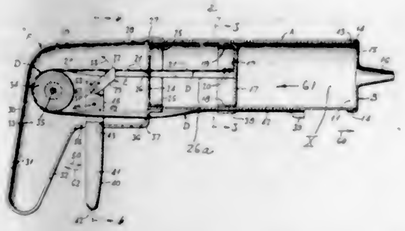
causing the restarting of the car after each stop until stops have been made for all of said last mentioned buttons operated in said traveling direction of the car; and means, controlled by the starting of the car towards a floor, to render all floor relays which would cause the car to travel in the opposite direction inoperative so that a call cannot be registered as long as the car is travelling in response to operated push buttons in said first mentioned direction.

2,240,045
CONTAINER
Dorothy Elsie Mackenzie, Brooklyn, N. Y.
Application November 19, 1936, Serial No. 111,604
5 Claims. (Cl. 229—14)



1. The method of making a container which comprises superimposing a layer of lining material over a piece of cardboard having a plurality of cuts radiating from a central base section, and forming the sides of the container by bending the sections of the cardboard formed by the cuts upward so that the respective sections overlap each other and support tucks formed in the lining material, and thereafter folding said lining material over the edge of the cardboard in the form of an annular ring.

2,240,046
LIQUID GUN
Anthony Marra, Brooklyn, N. Y.
Application September 25, 1939, Serial No. 296,341
3 Claims. (Cl. 221—78)



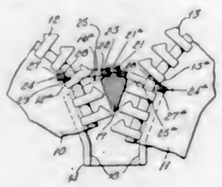
1. A gun for dispensing flowable plastic material comprising a cylinder having a detachable cap carrying a dispensing nozzle at one end and having a closure with a central opening at the other end, a piston in said cylinder between said cap and closure, said cylinder having a rearward extension, a right angular hand grip portion extending transversely away from the end of said extension, a roller member positioned in said extension, a lever member pivotally mounted in said extension, and an actuating tape passing over said roller extending through said closure and connected to said piston and actuated by said lever member.

2,240,047
HOLDING AND CENTERING DEVICE FOR SPINNING, TWISTING, AND LIKE MACHINES
Luigi Marzoli, Palazzolo sull'Oglio, Italy
Application February 3, 1940, Serial No. 317,089
In Italy February 24, 1939
5 Claims. (Cl. 57—129)



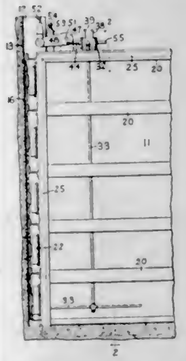
1. In a spindle for spinning machines and the like, a centering and holding device for a body placed on the spindle, comprising a circular set of balls loosely mounted in radial bores in the spindle, the axes of said openings being inclined and belonging to a single conical surface, the axis of which coincides with the spindle axis, a helical spring arranged in an axial bore in the spindle and a member actuated by said spring and acting on said balls in such manner as to press them simultaneously outwards against said body.

2,240,048
SEMIAUTOMATIC LOCK SLIDER
Louis H. Morin and Davis Marinsky, Bronx, N. Y., assignors to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Application April 8, 1939, Serial No. 266,725
9 Claims. (Cl. 24—205.5)



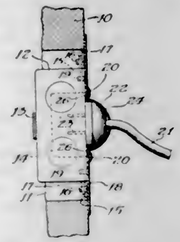
1. A slider of the class described comprising top and bottom walls joined at one wide end by a connecting web, each of said walls having inturned side flanges, the flange portion of one wall of the slider being shorter and narrower than that of the other wall, an independent wall part pivoted to the web of the slider and forming a continuation of said shorter wall, said part having inturned side flanges arranged in substantial alinement with the flanges of said short wall and being movable relatively thereto in the swinging movement of said part so as to form of the flanges of said swinging wall part, lock elements for said slider, and means retaining said movable wall part against displacement from the slider.

2,240,049
WATER GATE
Edwin W. Murphy, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application October 10, 1939, Serial No. 298,735
6 Claims. (Cl. 61—28)



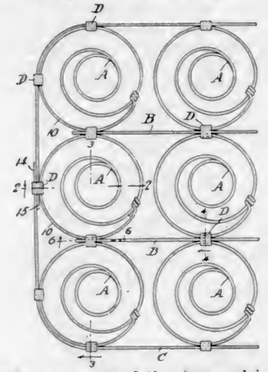
1. A hydraulic structure comprising a frame having a sill, a gate movable with respect to said frame and having a hoisting cable by means of which the gate is moved towards and away from said sill, an expansible sealing means for sealing the joint between said frame and said gate, a control means mounted on said gate for controlling the supply of fluid under pressure to said sealing means, and means operatively connecting said control means with said hoisting cable and operable when the gate engages said sill for operating said control means to effect inflation of said sealing means.

2,240,050
LOCKING MEANS FOR EXTENSION CORDS AND THE LIKE
John Nuebling, Chicago, Ill., assignor of one-half to Gail R. Nutty, Chicago, Ill.
Application October 3, 1938, Serial No. 232,908
4 Claims. (Cl. 173—330)



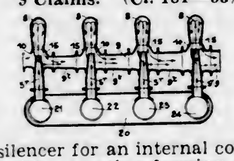
1. Locking means for electric cords, comprising in combination a hood member shaped substantially to fit the plug cap of a cord and split at one side portion so it may be positioned readily around the cord and in self-conformable engagement with the plug cap by spreading the hood slightly against the force of its resiliency, a wall plate associated with the usual type of wall socket having wings struck up from the surface thereof in outwardly offset relation to the face thereof, and lugs extending outwardly from said hood at opposite sides thereof in position to engage said wings.

2,240,051
CUSHION SPRING STRUCTURE
Anthony J. O'Malley, Arlington, N. J., assignor to Spring Products Corporation, New York, N. Y., a corporation of New York
Application May 16, 1938, Serial No. 208,214
1 Claim. (Cl. 5—260)



In a cushion spring of the type which includes a plurality of rows of coiled expansion springs arranged in side by side relation with the opposite end convolutions thereof respectively disposed and secured in common planes parallel to each other, upper and lower frame wires surrounding the opposite end convolutions of the outermost springs, said frame wires respectively having their ends overlapped and provided with mating inwardly offset portions, the spring convolutions adjacent said overlapped ends having offset portions registering with the offset portions of the overlapped ends of the frame wires, and clips surrounding said registering overlapped portions and constituting a common means for joining the overlapped ends of the frame wires and for connecting the same with the adjacent springs.

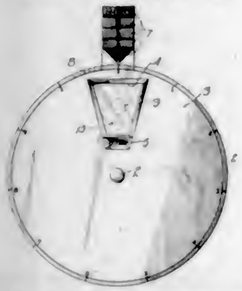
2,240,052
DEVICE FOR DESTROYING SOUND WAVES, MORE ESPECIALLY UTILIZABLE AS A SILENCER FOR COMBUSTION AND EXPLOSION ENGINES
Robert Pierre Pomiès, Paris, France
Application June 28, 1938, Serial No. 216,195
In France June 30, 1937
9 Claims. (Cl. 181—53)



1. In a silencer for an internal combustion engine or the like, a casing forming a gas expansion chamber having opposite end walls, an inlet port located in one end wall and an outlet port located in the other end wall, said inlet and outlet ports determining a longitudinal axis in said silencer, a concave bottom forming a downward extension below said axis in said casing, an upward extension above said axis forming a concave top in said casing opposite said concave bottom, separation means separating one port and the concave top, on the one hand, from the other port and concave bottom, on the other hand, and means including a pipe extending transversely of said axis and connecting the in-

terior of the casing within said concave top with the interior of said casing within said concave bottom through said separation means, there being means for connecting the inlet port with an exhaust pipe of said engine.

2,240,053
COLOR SCALE
King Richardson, Beverly Hills, Calif.
Application April 5, 1939, Serial No. 266,065
4 Claims. (Cl. 88—14)



1. A color-matching instrument comprising a white-faced or light-reflecting back-plate having a matching hole, a front plate having a color window overlying said hole and an associated index window, a plurality of superposed relatively transparent sheets respectively movable over the white-faced back-plate and behind said color window, each sheet being differently colored and divided into sections of graded color intensities adapted to occupy said color window and each section having a matching hole to register with that of the back-plate and a digit adapted to show through said index window.

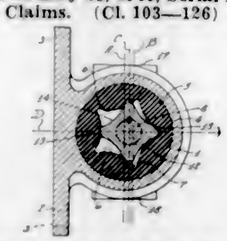
2,240,054
LUBRICATING OIL
Roger W. Richardson, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 4, 1938, Serial No. 205,988
3 Claims. (Cl. 196—13)

1. Process for refining and improving the quality of a lubricating oil comprising subjecting the same to the action of more than 800 cu. ft. of air per barrel of oil at a temperature between 300° and 500° F. in the presence of 0.1% of manganese naphthenate, said air being passed through the oil at the rate of about 4½ cu. ft. of air per barrel of oil per minute, treating the oxidized oil with a solvent mixture to remove the undesirable constituents, said solvent mixture comprising a solvent of the type having a preferential selectivity for aromatic type compounds.

2,240,055
METHOD OF PRODUCING DUPLEX METAL ARTICLES
George F. Sager and Fred Keller, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 5, 1938, Serial No. 244,036
4 Claims. (Cl. 148—21.1)

1. The method of increasing the abrasion resistance and surface hardness of a previously worked corrosion-resistant aluminous duplex metal article composed of a relatively corrodible aluminum base alloy core containing at least 0.4 per cent magnesium and copper in excess of magnesium, and insoluble constituents and an initially, relatively soft copper and magnesium-free aluminous coating bonded to said core while substantially maintaining the respective identities of the core and coating, said method comprising heating said duplex metal article at 800 to 970° F. for a time sufficient to cause a diffusion of magnesium to the external surface of the coating but causing no diffusion of copper and insoluble constituents from the core alloy to the said external surface of the coating or no substantial decrease in the corrosion resistance of the coating.

2,240,056
ECCENTRIC GEAR PUMP
Michael Schmitz, Ferndale, Mich.
Application February 28, 1940, Serial No. 321,228
2 Claims. (Cl. 103—126)

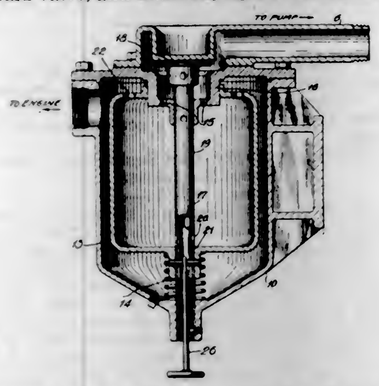


1. A pump comprising a housing having an inlet and an outlet, a rotatably mounted outer drive member therein in the form of an internal gear, a driving gear member rotatably mounted eccentrically within said driven member and having one tooth less than said driven member, one of said members having substantially the resiliency of rubber, the distance between centers of said members being less than required for a running fit of the same members in metal, said driven member having convex teeth and having interdental spaces, said driving member having spur teeth receivable in said spaces and having concave interdental faces positioned and dimensioned to coincide successively with said convex teeth in the meshing of said members, whereby the resilient member is compressed by the other member as the spur teeth move across said convex teeth.

2,240,057
PUMP PRIMING APPARATUS
Carlisle F. Smith, Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
Application March 29, 1937, Serial No. 133,679
3 Claims. (Cl. 137—78)

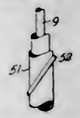
1. In combination, a pipe line, a chamber connected in said pipe line normally closed to atmosphere and subject to partial vacuum created in the pipe line on one side of said chamber, a poppet form valve controlling the flow through the part of said pipe line leading into said chamber and adapted to be helped in its closing action by the effect of said partial vacuum, a valve-operating receptacle movably mounted inside of said chamber and subject to the impact of air and water flowing from said pipe line into said chamber in the direction to close said valve, said receptacle having such resistance to movement as to be unmoved by air flow alone and when subject to the impact and weight of said water being

adapted in conjunction with said vacuum to produce a quick and full-throw closing movement of said valve, and manually operated means con-



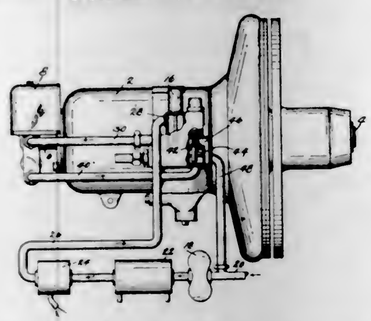
trolling a passage independent of said pipe line from the receptacle to the exterior of said chamber.

2,240,058
ARTICLE OF MANUFACTURE
Clyde N. Stover, Baltimore, Md. assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 4, 1938, Serial No. 233,179
9 Claims. (Cl. 174—112)



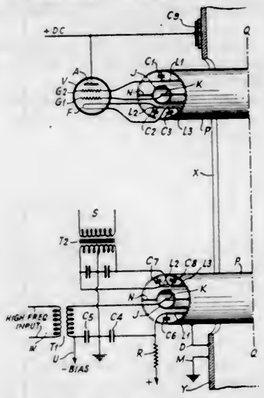
1. An article of manufacture comprising an electrical conductor core, and a knitted covering for the core formed of interconnected wales, certain of which are unevenly spaced to form an identifying portion in the covering.

2,240,059
OIL BURNER
Ralph S. Thoresen, Darien, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y., a corporation of Delaware
Application October 6, 1938, Serial No. 233,573
4 Claims. (Cl. 158—36)



1. In combination an oil burner, a pump, conducting means for the oil, said pump drawing oil from a source of supply and forcing it through said conducting means to the burner, a heater in said conducting means for preheating the oil before it goes to the burner, a valve in said conducting means controlled by the temperature of the oil for preventing admission of the oil to the burner until the oil has been preheated to a predetermined temperature, and valve-controlled conducting means for the oil arranged with respect to the pump, heater and valve to provide for continued circulation of the oil through the heater without returning it to the source of supply and without passing oil to the burner, said last mentioned conducting means being operative only when the said temperature-controlled valve is closed.

2,240,060
AMPLIFIER SYSTEM
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 16, 1939, Serial No. 309,526
7 Claims. (Cl. 179—171)



1. In an amplifier system, an oscillatory circuit having substantially uniformly distributed inductance and capacitance, and comprising a pair of coaxial conductors coupled together at one end, a connection from ground to the outer conductor of said pair, a multi-electrode electron discharge device having an anode, a grid and a cathode, a connection for by-passing said anode to ground for energy of the operating frequency, a source of radio frequency energy to be amplified, and circuit connections from said electron discharge device to said source for exciting said grid at higher radio frequency potentials than but in phase with the potential of said cathode, said last connections being coupled to the inner conductor of said oscillatory circuit at a location of high current and low voltage, and an output circuit also coupled to said oscillatory circuit.

2,240,061
CARRIER ROD DRIVING AND CONTROL MECHANISM
Arnold Friedrich Verbeek, Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application July 10, 1940, Serial No. 344,725
In Germany February 24, 1939
10 Claims. (Cl. 66—127)

1. In a flat knitting machine having a plurality

of reciprocable carrier rods and yarn guides supported thereby, a reciprocating friction rod, and a rotating main cam shaft, a friction device carried by the friction rod, a driving slide connected



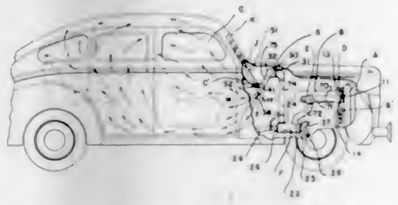
to be driven by the friction rod, a plurality of driving fingers on the slide detachably connectible with selected carrier rods to drive the same, and automatic means to permit the driving fingers selectively to engage their carrier rods.

2,240,062

HEATING APPARATUS FOR MOTOR VEHICLES

Lewis W. Welch, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan

Application December 18, 1939, Serial No. 309,912
4 Claims. (Cl. 237—12.3)



3. In an air heating apparatus for a motor vehicle having an internal combustion engine provided with an exhaust manifold, a water circulating system including a radiator in front of the engine, and laterally spaced substantially horizontal hose projecting rearwardly from said radiator at its upper end toward said engine, and a fan between the engine and radiator at approximately the center of the latter; an air heater operatively connected to the exhaust manifold and adapted to be heated by exhaust gases from the engine, and means for conducting to the heater air that has been initially heated by hot water in the radiator, including an elongated trough-shaped member extending across substantially the full width of the back of the radiator adjacent the upper end thereof at a point above the fan, the open side of the trough being free of but disposed substantially against the back of the radiator so as to receive heated air directly therefrom, the closed side of the trough being provided at one end with an outlet for heated air, a blower beside the engine substantially in horizontal alignment with the trough-shaped member, tubing for the heated air extending from the outlet of the trough-shaped member to the blower and from the latter to the heater, the fan having a greater capacity than the blower so that any foul matter in the air drawn rearwardly by the fan from the radiator will be directed beneath and away from the trough-shaped member, and a supporting connection between the trough-shaped member and nose including upright arms rigid with and projecting upwardly from the closed side of the trough-shaped member at spaced points longitudinally thereof and suspended from the hose.

2,240,063

ALLOYS FOR METAL TO GLASS SEALS

Victor O. Allen, Madison, and Charles P. Marsden, Jr., Bloomfield, N. J., assignors to Wilbur B. Driver Co., Newark, N. J. a corporation of New Jersey

No Drawing. Application September 6, 1940, Serial No. 355,668
7 Claims. (Cl. 75—124)

1. The method of forming a substantially gas-free alloy comprised of Cr 5–6%, Ni 42–43%, balance substantially all iron which comprises forming a molten bath comprised of the said constituents in the desired percentages and adding aluminum and beryllium thereto each in an amount at least sufficient to provide a relatively small alloyed percentage up to about .25% of Al and a relatively larger alloyed percentage up to about 1% of Be in the solidified alloy, treating the molten alloy with a flux to remove therefrom the Al and Be compounds formed, and then casting and solidifying the alloy.

2,240,064

ALLOY FOR METAL TO GLASS SEALS

Victor O. Allen, Madison, and Charles P. Marsden, Jr., Bloomfield, N. J., assignors to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey

No Drawing. Original application September 6, 1940, Serial No. 355,668. Divided and this application February 6, 1941, Serial No. 377,654
6 Claims. (Cl. 75—128)

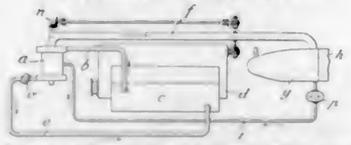
1. A metal part for a metal to glass seal, said part consisting of an alloy comprised of Cr 5–6%, Ni 42–43%, Be in fractional percentages below about 1%, balance Fe except for fractional percentages of other metal and metalloid impurities each in amounts not exceeding about .20%.

2,240,065

SYSTEM FOR COOLING BY EVAPORATION FOR COMBUSTION ENGINES

Arthur Berger, Stuttgart - Oberturkheim, and Reinhold Freitag, Stuttgart-Unterturkheim, Germany, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart - Unterturkheim, Germany

Application December 8, 1939, Serial No. 308,232
In Germany November 28, 1938
6 Claims. (Cl. 123—174)



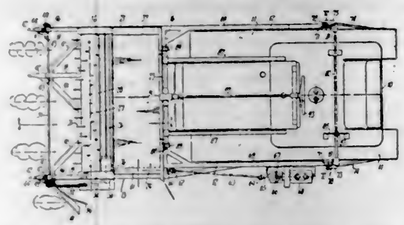
1. A system for cooling a combustion engine by evaporation, comprising a vaporizer chamber, a pressure duct to feed superheated cooling liquid to said chamber where it is separated into vapor and liquid, a condenser, a vapor duct connecting said chamber with said condenser, a condensate duct returning the condensate from the condenser to said vaporizer chamber, and a liquid pump disposed immediately below said vaporizer chamber and in direct communication therewith to collect and recirculate both said separated liquid and said condensate.

2,240,066

BEAN HARVESTER AND WINDROWER

John W. Bingham, Vernalis, Calif., assignor to a copartnership consisting of John W. Bingham, Mrs. Louis C. Minghetti, and Charles F. Rhyno, Vernalis, Calif.

Application October 10, 1939, Serial No. 298,789
12 Claims. (Cl. 56—23)



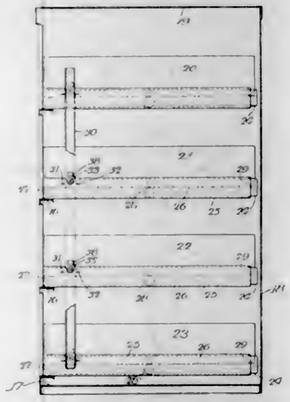
6. A bean harvester and windrower comprising a transversely extending draper for conveying material as it is received for discharge at one side of the machine to form a windrow, a rotary pick-up unit mounted in front of said draper to pick up and direct material thereto, plant-confining vertically disposed side walls at either side of said pick-up unit and said draper, and a plurality of cutting blades in front of said pick-up unit, at least one of said blades being disposed on the outer side of one of said side walls.

2,240,067

FILE CABINET AND THE LIKE

Kenneth C. Bolesky and Fritz A. Saaf, Aurora, Ill., assignors to All-Steel-Equip Company, Incorporated, a corporation of Illinois

Application July 6, 1937, Serial No. 151,994
10 Claims. (Cl. 45—94)



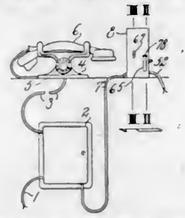
10. In a filing cabinet and the like, in combination, a case, a set of drawers, means for locking the remainder of said drawers in closed position when any one of said drawers is in open position, said means comprising a single vertically reciprocable bar extending across said drawers, and means associated with said drawers and cooperating with said bar for moving said bar to elevated position for preventing the opening of the remainder of said drawers when any one of the same is in open position and for releasing said bar when said one drawer is closed so that any of said drawers may then be opened at will.

2,240,068

REMOTE STATION RECORDING

Kenneth J. Dunlap, Toledo, Ohio, assignor of one-third to Lionel L. Levy, and one-third to Fred M. Douglass, both of Toledo, Ohio

Application March 23, 1940, Serial No. 325,545
6 Claims. (Cl. 179—5.5)



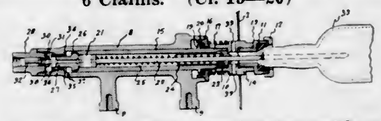
1. The combination with an accessory for a dial type telephone receiving station embodying a unit, controllable connections for placing said unit for operation in a circuit of said receiving station, a housing for the unit embodying a motor, record feeding means, a receiving station controller for rendering the motor operable in response to call for said receiving station, a calling station determining the release of the motor at the receiving station for the motor to operate the feeding means, identification means controllable at the calling station, a marker for records from the feeding means, switch means for connecting the marker for response to the identification means, an operator for the switch means, and a release for the operator.

2,240,069

BOTTLE CLEANING MECHANISM

Paul R. Fechheimer and Carl F. Rottmueller, Cincinnati, Ohio, assignors to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application January 3, 1936, Serial No. 57,379
6 Claims. (Cl. 15—20)



1. In a cleaning device for bottles or like containers, a centering bell against which the neck of a bottle may be placed and which centers the bottle neck over a central perforation in said bell, means for mounting said centering bell slidably so that when a bottle neck is brought against said bell and moved further said bell may move with it, an elongated nozzle member having an end normally lying substantially within said central perforation in said centering bell, means for projecting said elongated nozzle member through said perforation and into said bottle through the neck thereof, means for releasing a blast of fluid in said bottle through the said nozzle member, and control means for said two last mentioned means, said control means arranged for automatic actuation upon movement of said centering bell.

2,240,070

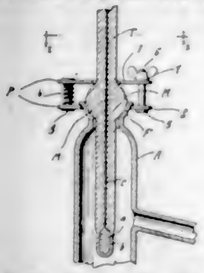
THERMOMETER

William G. Geyer, Bloomfield, N. J.

Application April 9, 1940, Serial No. 328,650
3 Claims. (Cl. 73—343)

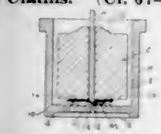
3. In combination, a chemical apparatus provided with a thermometer opening in one wall

thereof, said opening being shaped to provide a socket seat for a ball and socket joint, and a thermometer provided with a ball-shaped stopper integral therewith at a point above its bulb end



but below the indication portion thereof, the bottom portion of the said ball extension being ground to seat within said socket, and clamp means for securing the thermometer in seated position.

2,240,071
CANDLE BASE
Joseph Gisolfi, Brooklyn, N. Y.
Application April 1, 1940, Serial No. 327,154
3 Claims. (Cl. 67—21)



2. A base for a candle having a wick passing upwardly through the candle from the bottom thereof, said base comprising a disk having an opening through which the lower end of the wick projects, means projecting upwardly from the base at the periphery thereof for securing the base to the candle, and means projecting downwardly from the disk for securing said end of the wick to the base, said securing means extending below the plane of said disk, and means carried by said disk for preventing tilting of the candle mounted on the base due to the extension therebelow of said wick-securing means, said last mentioned means comprising a plurality of projections integral with the disk and projecting downwardly therefrom beyond said wick securing means.

2,240,072
TRANSLUCENT LAMINATED ARTICLE
Paul E. Hodgdon, Heartwellville, Readsboro, Vt., and Edward C. La Belle, Monroe Bridge, Mass.
Application May 3, 1939, Serial No. 271,454
2 Claims. (Cl. 154—50)

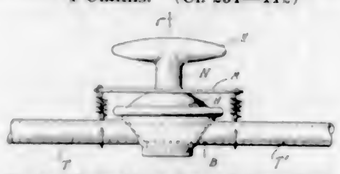


1. A translucent laminated article bearing a translucent design consisting of two sheets of glassine enclosing a film of wax containing titanium dioxide, said film of wax carrying a design created by impressing the same in selected areas without appreciably altering the surface of the paper, said selected areas being of less thickness than the areas immediately adjacent, whereby said selected areas appear more translucent than the surrounding areas.

2,240,073
SUBSTITUTED PHENOLS
Russell L. Jenkins, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 18, 1936, Serial No. 111,350
12 Claims. (Cl. 260—620)

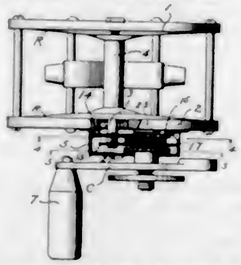
8. A mixture of hydroxylated aromatic compounds obtained by the hydroxylation of polyphenyl hydrocarbons having boiling points in excess of the boiling point of diphenyl, said hydrocarbons being produced by the pyrolysis of benzene.

2,240,074
STOPCOCK
Lewis V. Kain, Bloomfield, N. J., assignor to William O. Geyer, Bloomfield, N. J.
Application April 9, 1940, Serial No. 328,619
4 Claims. (Cl. 251—112)



1. In a stopcock a barrel provided with a hemispherical recess, a plug member provided with a hemispherically shaped plug end seating in said recess, an axially aligned cylindrical shaped extension in the bottom of said plug member and a correspondingly axially aligned cylindrical recess in the bottom of said hemispherical recess having a diameter and depth adapted to rotatably receive the said extension, and means to resiliently sustain the said plug in rotatable seating relation to said barrel.

2,240,075
FISHING REEL
Arthur Kovalovsky and Oscar Kovalovsky, Los Angeles, Calif.
Application June 11, 1937, Serial No. 147,726
7 Claims. (Cl. 242—84.5)



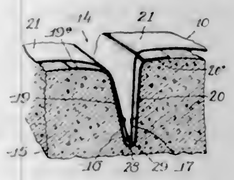
1. In a fishing reel: a reel, a crank for rotating said reel, a plurality of constantly meshed gears connecting said reel and said crank for establishing at least two gear ratios therebetween, means for preventing rotation of the crank in one direction and manually adjustable means independent of said crank and operable for selectively changing the gear ratios while said gears and crank are in motion and including friction clutch means also serving as a brake for controlling the rotation of the reel.

2,240,076
ADJUSTABLE AND REFILLABLE BRUSH
Albert J. Kramer, Washington, D. C.
Application July 13, 1939, Serial No. 284,252
6 Claims. (Cl. 15—176)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An adjustable brush comprising a handle and arcuated head section integral therewith, a collar rotatably mounted on the outer end of said head section, another collar rotatably and slidably mounted on said handle section, a resilient strip having each of its ends removably secured to one of said collars, said strip being adapted to conform to the curvatures of either side of said curved section, and means for holding said collars within a fixed maximum distance apart, optimum for seating said resilient strip on the sides of said head section.

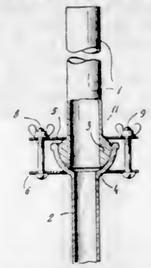
2,240,077
SEAT CUSHION
Joseph Lieberman, Stevensville, Mich.
Application November 9, 1938, Serial No. 239,699
6 Claims. (Cl. 155—179)



1. In a seat cushion, a relatively thick cushioning body having a slot extending across the upper seating surface thereof, a flexible cover for said body having a fold fitting in said slot, anchoring means for said fold including a flexible strip secured and embedded within said body along said slot, said flexible strip being yieldable in all directions with adjacent portions of said body, and means securing said fold to said flexible strip at a plurality of points within and along said slot.

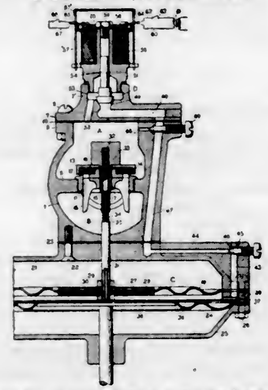
2,240,078
CLAMP MEANS FOR BALL AND SOCKET TYPE JOINTS
Porter H. Rader, Bloomfield, N. J., assignor to William O. Geyer, Bloomfield, N. J.
Application May 15, 1940, Serial No. 335,278
2 Claims. (Cl. 285—94)

1. A clamp means for tubular joints of the ball and socket type comprised of glass, said means comprising a channel member comprised of spring metal, the sides of said channel member being flared outwardly away from a plane normal to the plane surface of the base, aligned recesses in sides each adapted to receive therein the tubular extensions on said joint with the ball and socket parts thereof held in interengagement therebetween, and means on opposite sides of said recess to actuate the two said sides towards each



other to exert a spring opposed clamping action on the ball and socket portions of the joint.

2,240,079
ELECTRICALLY CONTROLLED GAS VALVE
Adolf N. Roth, San Francisco, Calif.
Application March 14, 1939, Serial No. 261,755
1 Claim. (Cl. 137—139)

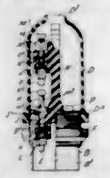


A fuel valve comprising a body having an inlet chamber and an outlet chamber separated by a partition; a valve seat formed in the partition; a valve head in cooperative relation with said seat normally held seated by fluid pressure in the inlet chamber; a recess in said valve head opening into the outlet chamber; a pressure chamber having a movable diaphragm; a hollow stem connected at one end to said movable diaphragm and communicating with the interior of the pressure chamber, the other end of said stem extending into the recess formed in the valve head; means to normally space the end of said stem within the recess from the bottom of the recess; a passage from said inlet chamber to the pressure chamber; and means in said passage to control the admission of pressure fluid from the inlet chamber to the pressure chamber, the flow capacity of said passage being greater than that of the hollow stem, whereby the valve is opened and flow through said stem shut off when sufficient fuel under pressure is admitted to the pressure chamber.

2,240,080
FUSED CONNECTOR
William James Peter Stonehouse, Richmond, Victoria, Australia
Application June 20, 1939, Serial No. 280,028
In Australia June 29, 1938
3 Claims. (Cl. 200—115.5)

1. In a fused outlet device, a housing, active

and neutral terminals in said housing, a member secured to said housing and including a sleeve communicating with said housing and adapted to receive a contact element of an electric appliance to be connected to said outlet, an insulating bracket between said active terminal and said sleeve, a contact piece disposed slidably in a bore extending through said bracket, a fuse mounted



on the inner end of said contact piece and projecting towards said active terminal, and a spring supported on said bracket and acting on said contact piece to urge the latter into a position in which its outer end projects into said sleeve and said fuse is spaced from said active terminal, the fuse being brought into contact with said active terminal when the contact element of said electrical appliance is introduced into said sleeve.

2,240,081

HYDROCARBON DRYING OIL

Charles A. Thomas, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 19, 1938, Serial No. 196,896

7 Claims. (Cl. 196—50)

1. The method of making a drying oil suitable for use alone or in admixture with vegetable drying oils, comprising heating at a temperature between approximately 100° and 300° C. and in the presence of an acid of phosphorus a hydrocarbon polymer obtained by polymerization of an unsaturated hydrocarbon, and separating therefrom a liquid distillate having an iodine number of at least 100.

2,240,082

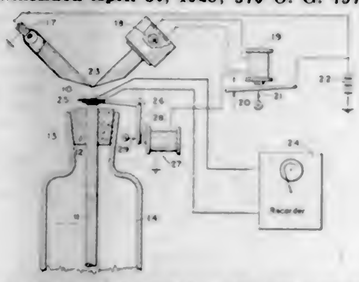
DEW POINT RECORDER AND INDICATOR

Charles Warren Thornthwaite, Arlington, Va.; dedicated to the free use of the People in the territory of the United States

Application June 23, 1939, Serial No. 280,832

4 Claims. (Cl. 73—51)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for determining the changes in moisture conditions of a gas comprising, a source of cold, a heat-conductible rod having one end in contact with said source of cold, a plate having a light reflecting surface normally contacting the other end of the rod, a source of light, a light sensitive element, said reflecting surface reflecting light from said source to said light sensitive element while dry, an arm attached to said plate for moving the plate in and out of contact with said rod, means controlled by said light sensitive element for actuating said arm to move the plate in contact with the rod when the reflecting surface is dry and out of contact with said rod when the reflecting surface has moisture precipitated thereon, and means for measuring the temperature of said plate as an index of the moisture condition of the gas being tested.

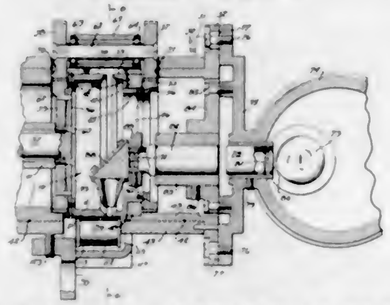
2,240,083

FILM PRINTING APPARATUS

Albert W. Tondreau, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application January 9, 1939, Serial No. 249,956

12 Claims. (Cl. 95—75)



1. In a film printing apparatus, the combination of a casing, means in said casing forming a cylindrical bearing, an annular film guiding member journalled in said bearing and adapted to guide a film over the periphery thereof, said member having an axial opening extending from one side thereof to the other, a portion of said film overhanging one side of said member, a light source on the opposite side of said member, and an optical unit extending through said opening and inside of said bearing for transmitting light from said light source to said overhanging portion of said film.

2,240,084

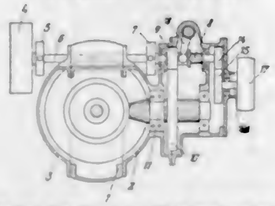
DRIVE FOR MOTOR VEHICLES

Joseph Vollmer, Berlin-Schlachtensee, Germany, assignor to Motoren-Werke Mannheim Aktiengesellschaft, vormals Benz Abteilung Stationarer Motorenbau, Mannheim, Germany, a corporation of Germany

Application December 13, 1937, Serial No. 179,578

In Germany January 7, 1937

1 Claim. (Cl. 74—11)



A drive for tractors or like motor vehicles having a short wheel base, including a motor, a differential housing arranged in rear of the motor,

a differential in the housing, wheel axis driven by the differential, a driving shaft driven by the motor, a recess in the differential housing through which the drive shaft extends and in which it is permitted a limited play in all directions, universal joints on the drive shaft in advance of and in rear of the recess in the housing, a secondary housing connected directly to and extending in rear of the first mentioned housing, the drive shaft in rear of the rearmost universal extending into the secondary housing, a slide movable longitudinally on and splined to the drive shaft, means for manually operating the slide, a pinion carried by the slide, an auxiliary drive shaft operating in both housings, a gear fixed on the auxiliary drive shaft in position to be engaged and operated by the pinion when the slide is in one position and to be free of such engagement in operation when the slide is in another position, a bevel ring gear mounted on and for operating the differential, a bevel gear on the auxiliary drive shaft engaging with and operating the bevel ring gear, a power take-off shaft supported by the secondary housing, and a continuous drive gear connection between the power shaft and the power take-off shaft.

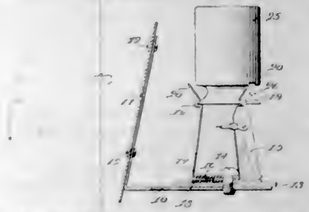
2,240,085

EMERGENCY IGNITION CONTROL SWITCH

Daniel D. Wells, Milton, Fla.

Application May 27, 1940, Serial No. 337,556

2 Claims. (Cl. 200—52)



1. An emergency ignition control switch comprising, a horizontally disposed support, a plurality of spring fingers arranged in annular formation on the support and insulated therefrom, the fingers being bent into V-shape adjacent their upper end portions, said upper end portions being bent outwardly at an angle, said fingers being formed of conducting material, an elongated cylindrical weight formed of conducting material provided with a V-shaped groove adjacent its lower end, the V-shaped portions of the fingers being adapted to be placed astride of the lower wall of the V-shaped groove and the bottom face of the weight, means for attaching circuit wires to the fingers, said weight being retained in position between the spring fingers by the tension of the fingers under ordinary conditions and being adapted to be dislodged due to inertia by sudden impact or if the vehicle be tilted to a dangerous angle.

2,240,086

BOOKSTACK

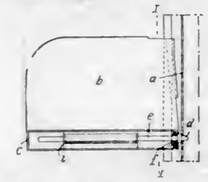
Hans Adler, Berlin-Wilmersdorf, Germany, assignor to Mannesmann-Stahlblechbau-Aktiengesellschaft, Berlin, Germany

Application June 3, 1938, Serial No. 211,647

In Germany June 4, 1937

7 Claims. (Cl. 211—136)

6. A bookstack comprising upright supports, a book-carrying unit including a shelf member and side plates hinged to said shelf member for movement from a folded to an upright position with respect thereto, interengaging means on said supports and book-carrying unit for supporting the latter for limited tilting movement in any of a plurality of different positions of adjustment on said supports, and means on said side plates engageable with said supports in the upright posi-



tion of said side plates and the non-tilted position of the unit for preventing folding movement of said side plates with respect to said shelf member, said last named means being releasable to permit folding movement of said side plates upon tilting of said unit to the limited extent afforded by said supporting means.

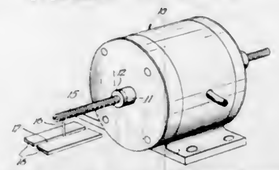
2,240,087

DRIVE MECHANISM

Edward L. Barrett, La Grange, Ill., assignor to Barrett Engineering Company, Chicago, Ill., a corporation of Illinois

Application January 10, 1940, Serial No. 313,267

5 Claims. (Cl. 74—59)



1. In a drive mechanism, the combination of a drive member having an aperture therein, said aperture having interior screw threads therein, means supporting said drive member for rotation about an axis coaxial with said screw threads and for restraining said member against movement endwise of said axis, a driven member comprising a resilient metal wire of round cross section coiled in a long helix of uniform diameter and with the outside diameter of the helix equal to approximately three times the diameter of the wire, successive convolutions of the wire in the helix being disposed in substantially touching face-to-face relation, the convolutions of said helix being of the same pitch as the screw threads in said drive member and threadably engaged with said screw threads, and means restraining said helix against rotation while leaving it free for endwise movement.

2,240,088

INTERNAL COMBUSTION ENGINE

Louis Birkigt, Versoix, near Geneva, Switzerland

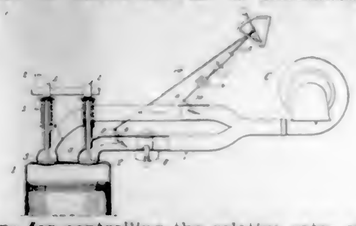
Application June 29, 1938, Serial No. 216,618

In Germany November 30, 1937

12 Claims. (Cl. 123—75)

1. In combination, an internal combustion engine having at least one cylinder, at least one air compressor, means for mixing fuel with only one portion of the air delivered by said compressor, means for feeding to said cylinder separately, first a portion of air delivered by said compressor which is mixed with fuel, and then pure air delivered by said compressor, to scav-

enge the cylinder, the beginning of said introduction of pure air taking place before the next charge of carbureted air is introduced, and



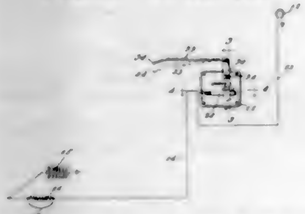
means for controlling the relative rates of feed of said portions of the air delivered by the compressor to the cylinder.

2,240,089

SWITCH FOR SIGNAL LIGHTS

Selwyn E. Blodgett, Bakersfield, Calif.

Application July 15, 1940, Serial No. 345,671
2 Claims. (Cl. 200—153)



1. In an automatic signal light, a switch adapted to be located on the driver's door of a motor vehicle to be actuated by the driver's arm in signalling position comprising, a casing, means for securing the casing to the motor vehicle door at the window opening thereof, a pair of contacts in the casing insulated from each other and from the door, one of the contacts being resilient and extending longitudinally of and being of greater length than the other contact, said contacts being normally out of engagement with each other, means for connecting one of the contacts to a signal circuit, means for connecting the other contact to a storage battery, the resilient contact being provided with a curved cam tip, a lever pivoted on the casing and having one end overlapping the resilient contact adjacent to said curved cam tip, a spring connected to the casing and to the lever for normally holding the lever out of engagement with said curved cam tip, and an arm connected to the upper end of the lever adapted to be depressed by the driver's arm in signalling position to rock the lever into engagement with said curved cam tip of the resilient contact and move the resilient contact into circuit closing position with the other contact.

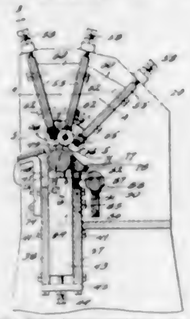
2,240,090

APPARATUS FOR WORKING SHEET METAL BLANKS

John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application October 23, 1935, Serial No. 46,385
13 Claims. (Cl. 153—54)

1. In apparatus for improving sheet metal for subjection to a stamping operation, the combination with a master roll, of means for feeding the metal about said roll and maintaining the metal in conformity with a substantial portion of the roll periphery to progressively curve the metal, said means including a pair of rolls cooperating with said master roll and spaced to a substantial extent about the periphery of said master roll, and means intermediate said pair of rolls for engaging and guiding the leading edge of the metal from one to the other of said pair of rolls, and means for thereafter applying pressure to the metal in the reverse direction to materially reduce the curvature thereof.



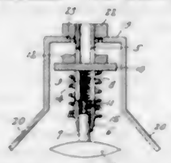
9. In apparatus for improving sheet metal for subjection to a stamping operation, the combination with a master roll having a generally cylindrical periphery, means for rotating said roll, means supported adjacent said roll for maintaining engagement of a sheet metal blank with the roll periphery over a substantial portion of the circumference of the roll, and means extending within the roll periphery for stripping the blank from the roll and effecting at least a partial unrolling of the blank.

2,240,091

ANTIBACKLASH ATTACHMENT FOR FISHING REELS

Fredy August Cerne, Chicago, Ill.

Application June 6, 1940, Serial No. 339,167
3 Claims. (Cl. 242—84.5)



1. In an anti-backlash attachment for a fishing reel, a barrel adapted to be mounted on the frame of the reel, a plug having a sliding fit in one end of the barrel and arranged to frictionally contact the spool of the reel, said barrel having diametrically opposed slots elongated longitudinally thereof, a pin extending transversely through the barrel and having an intermediate portion engaging in said slots, a relatively light coil spring housed in the barrel and having one end impinging on said plug and a second end impinging against said pin, and a nut axially adjustable on the barrel exteriorly thereof and against which said pin abuts.

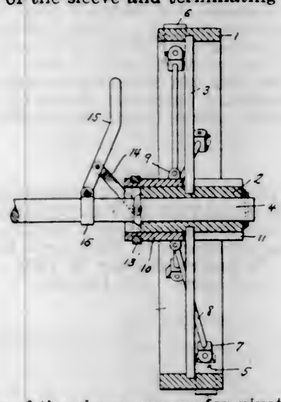
2,240,092

LUG FOR TRACTOR WHEELS

David Franklin Errett, Weston, Ohio

Application May 27, 1939, Serial No. 276,200
1 Claim. (Cl. 301—46)

In a wheel including a rim, a hub and spokes connecting the rim with the hub, lugs passing through holes in the rim, a yoke fitting over the inner end of each lug and pivotally connected thereto, a rod having its outer end connected with each yoke, a sleeve slidably arranged on the hub and having longitudinally extending slots therein through which the inner ends of the spokes pass, said slots passing through the front end of the sleeve and terminating adjacent



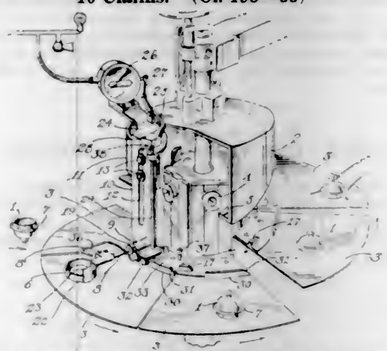
the center of the sleeve, means for pivotally connecting the inner ends of the rods to the sleeve and means for moving the sleeve longitudinally on the hub to cause the rods to retract or project the lugs, said sleeve holding the lugs in projected position when the inner walls of the slots engage the spokes.

2,240,093

APPARATUS FOR HANDLING GLASSWARE

Obren M. Farris, Clarksburg, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application August 30, 1939, Serial No. 292,719
10 Claims. (Cl. 198—33)



1. An apparatus for handling glass articles, including a ring to receive the articles, a conveyer beneath the ring, and means operated by the conveyer for rotating the ring about a horizontal axis to invert the articles and deposit them on the conveyer.

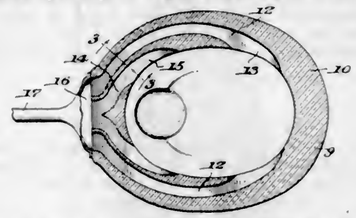
2,240,094

VENTILATED TOILET BOWL

William H. Foreman, Ahoskie, N. C.

Application May 11, 1939, Serial No. 273,097
4 Claims. (Cl. 4—217)

1. A ventilated toilet fixture comprising a bowl, and a member superimposed upon the bowl and conforming in contour to the rim part of the bowl, said member being constructed with outer and inner channels at each side thereof having outlet ends opening through the rear portion of said



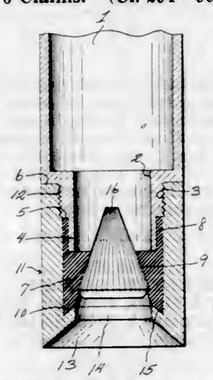
member and having inlet ends opening through the inner face of said member respectively at spaced points in front and rear of the transverse center thereof, said member having a rounded, shaped upper surface forming a seat portion.

2,240,095

ROCK DRILL BIT CONE CATCHER

Leonard H. Giles, Odessa, Tex., assignor of forty per cent to Darell C. Sears, Hobbs, N. Mex.

Application August 25, 1938, Serial No. 226,821
Renewed August 1, 1940
6 Claims. (Cl. 294—99)



1. A rock drill bit cone fishing tool, comprising a stem having an exteriorly reduced lower open end, a collar detachably secured to the said reduced open end and having the same outside diameter as the stem, and a sleeve of resilient material secured by the collar to and in coaxial relation with the open end of the stem, the sleeve having an inwardly tapering passage therethrough.

2,240,096

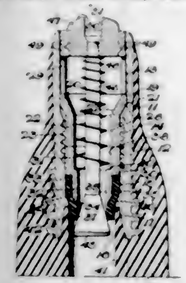
VALVE STEM OF THE CAPLESS TYPE

Henry Z. Gora, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey

Application May 23, 1940, Serial No. 336,804
10 Claims. (Cl. 277—42)

1. A valve core comprising a valve pin, a valve body carried by said pin at one end of the latter, a core body through which said pin extends, said body having at one end a seat for cooperation with said valve body, spring means normally seating said valve body, an exteriorly threaded portion on said body, said body having a passage through which said pin extends, and a head on

the other end of said pin for closing the passage through said body, said body having slots to re-



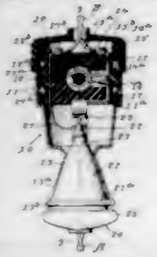
ceive a tool to transmit rotation to said body and said head having corresponding ribs engaged in said slots for closing said slots.

2,240,097
GARMENT SUPPORTING LOOP
Henry S. Hotaling, Albany, N. Y.
Application August 9, 1940, Serial No. 352,027
6 Claims. (Cl. 24—224)



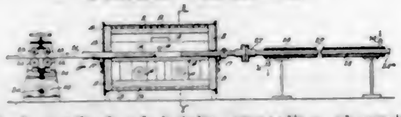
4. A garment fastening device comprising an attaching plate, a horizontally extending tubular part on the plate and having a slot in one end portion at the bottom thereof, a loop depending from the plate and having one limb movable with the upper end of said limb passing through the slot and said end having a horizontal part passing through the tubular member.

2,240,098
ELECTRIC OUTLET
Elmer J. Morin, Chassell, Mich.
Application February 8, 1940, Serial No. 317,982
5 Claims. (Cl. 200—51)



1. An electric connector unit comprising a hollow essentially cylindrical shell closed at one end and at the opposite end open and flared downwardly to present a conical cup, marginally internally grooved, split and formed of intrinsically resilient material imparting an elastic character to the cup edges; a transversely tubular member rigidly held within the shell; a switch comprising a pair of spaced electrically isolated tines formed of electrically conductive material mounted upon said member extending transversely across the interior thereof, and a rod of electrically insulative material having a transversely extending locality of electrically conductive material, freely slidingly mounted in openings formed in the shell and positioned axially within said tubular member in a manner such that the electrically conductive portion of said rod can be slidingly moved into position between said tines establishing an electrical circuit therebetween; a conical plug receivable within said cup, having a radially projecting annular rib formed near the base thereof engageable with the grooved elastic edges of the cup whereby the plug can be held in position therein; terminals on said plug; and means for connecting said plug terminals and said switch.

2,240,099
METHOD OF BRIGHT ANNEALING ELONGATED METAL BODIES
Otto Schincke, Vienna, Austria
Application September 14, 1936, Serial No. 100,749
In Austria October 18, 1935
4 Claims. (Cl. 148—16)



1. A method of bright annealing elongated rigid metal bodies comprising heating externally by combustion gases a long, straight and horizontal annealing tunnel of heat-resisting steel, to a temperature at which the density of the atmosphere is reduced to a degree at which a non-oxidizing condition is reached in the tunnel, maintaining said condition, cooling a straight tunnel tightly connected to and in alignment with said annealing tunnel, maintaining an open communication with the outside atmosphere at the entry end of the annealing tunnel and the discharge end of the cooling tunnel, introducing the said elongated metal bodies into the annealing tunnel through the entry end thereof, moving said metal bodies through said annealing and cooling tunnels at a rate controlled so that said metal bodies assume the proper annealing temperature, and discharging the metal bodies through the outlet end of said cooling tunnel.

2,240,100
WATER TUBE STEAM GENERATOR AND PARTS THEREOF
Martin Schmidt, Kassel-Land, Germany
Original application July 17, 1935, Serial No. 31,896. Divided and this application April 23, 1938, Serial No. 203,885. In Germany August 6, 1934
6 Claims. (Cl. 122—488)



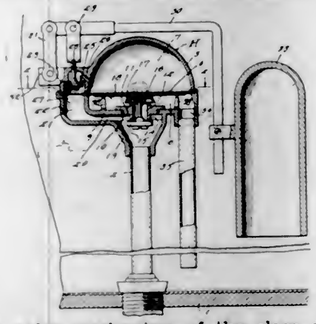
2. In a water tube steam generator, at least one tube looped to form a vaporizer unit, a steam and water separator joined to the unit, and means for feeding water to said unit below said separator; said separator comprising a substantially horizontally extending tubular top portion forming an elongated steam separating surface of a length sufficient to permit steam to rise and separate from an unidirectional flow of a steam and water mixture in said unit, and a second tube directly communicating with said top portion of said unit outwardly of the flow of the steam and water mixture therein, said second tube having an elongated steam collecting portion contiguous and coextensive with said separating surface and extending from said top portion substantially in the direction of the flow of the steam and water mixture in said top portion, for removing separated steam.

2,240,101
CLOSURE FOR TEST TUBES OR THE LIKE
Fred Smith, Kelowna, British Columbia, Canada
Application May 10, 1938, Serial No. 207,101
5 Claims. (Cl. 23—292)



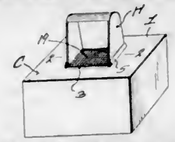
4. In combination with a test tube, a closure therefor comprising a tapered tubular cushion positioned on the tube adjacent the top thereof, and a cap removably fitted over the top of the tube and the tapered portion of the cushion, said cap being formed of unglazed porous porcelain material, whereby air is permitted to circulate in the tube and bacteria and dust are precluded therefrom.

2,240,102
AUTOMATIC PRESSURE VALVE
André F. Textor, Sussex, N. J.
Application March 7, 1940, Serial No. 322,828
8 Claims. (Cl. 137—104)



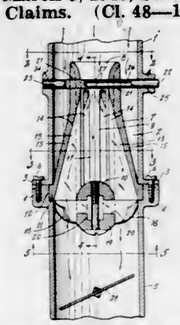
1. A valve mechanism of the class described comprising a vertically disposed supply pipe for communication with a source of water supply under pressure, a housing carried by the upper end portion of the pipe, a diaphragm intersecting the housing and dividing the same into an upper chamber and a lower chamber, the bottom of the lower chamber having an opening affording communication with the pipe, a valve member coacting with the lower end of said opening and maintained in closed position by the pressure of the water passing up through the pipe, said housing having a port in communication with the pipe and with the upper chamber of the housing, said port having an internal valve seat, a float controlled valve member coacting with said internal seat for closing the flow of water through the port to the upper chamber, the lower chamber of the housing having a discharge, and means movable with the first valve member for preventing retrograde flow through the pipe.

2,240,103
MILK MIXING DEVICE
Andre F. Textor and Raymond F. Abbott, Sussex, and Henry E. Roberts, New Brunswick, N. J.
Application April 2, 1940, Serial No. 327,500
4 Claims. (Cl. 259—180)



1. A device for effecting a substantially uniform admixture of the ingredients of milk or the like upon being delivered within a container through a filling opening, said device comprising a pan to be supported over the filling opening, said pan having a substantially central discharge opening substantially defined by a depending collar, a mixing plate below the collar, said mixing plate being of a diameter greater than the diameter of the collar, upstanding blades carried by the plate spaced circumferentially thereabout, and means for holding the plate in position below the collar with the upper margins of the blades in contact with the lower end of the wall of the collar.

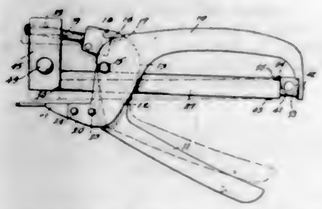
2,240,104
MIXING DEVICE
William C. Uhri, Jr., and William P. Gruner, St. Louis, Mo.
Application March 9, 1940, Serial No. 323,232
11 Claims. (Cl. 48—180)



7. A mixer comprising a tube having a central passageway having a conical member in the central portion thereof, said conical member having a mouth opening into said tube, said conical member forming an interior and an exterior mixing chamber having a plurality of radially extending channels, said channels opening interiorly and exteriorly in alternation, a mixing device having blades bisecting adjacent openings from said mixing chambers, each of said blades having their inner edges adjacent to the openings straight and having their outer portions curved and overlapping an adjacent

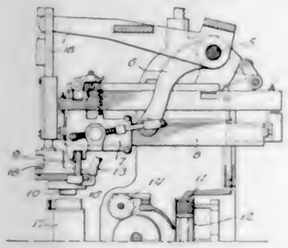
opening, and an air supply means for said tube and a fuel supply tube extending into the mouth of said conical member, said tube having openings whereby fuel is supplied to the interior chamber.

2,240,105
STAPLING PLIER
Max Vogel, Frankfort-on-the-Main, Germany
Application August 5, 1935, Serial No. 34,801
7 Claims. (Cl. 1—49)



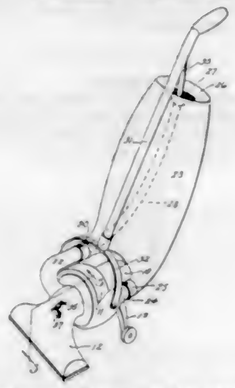
1. In a stapling device, a staple containing member, a staple driving head carried by said staple containing member at its front end, a staple driver mounted in said head for vertical movement, driver actuating means for imparting vertical movement to said driver, a closure member for the front end of said staple containing member slidably mounted on said head for vertical movement and adapted to be raised and lowered thereon to respectively expose and close the front end of said staple containing member, said closure member having a slot therein engaged by said driver actuating means, the lower end of said slot adapted in the raised position of said closure member to engage said driver actuating means to limit the upward movement of said closure member.

2,240,106
LABELING MACHINE
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application December 28, 1939, Serial No. 311,281
2 Claims. (Cl. 91—50)



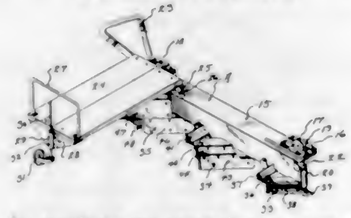
1. In a labeling machine, a suction head for carrying labels perforated in a predetermined manner for adhesive application to articles, said suction head having a carrying surface constituting the major portion of the active face of said suction head and provided with air ducts throughout its area in which suction is developed on the unperforated portions of said labels, and having a recess of minor dimensions in said carrying surface arranged to register with the perforated portions of said labels to provide a free space behind the same.

2,240,107
VACUUM CLEANER WITH MOP CLEANING RECEPTACLE
Sherman F. Wells, Minneapolis, Minn.
Application December 2, 1940, Serial No. 368,121
7 Claims. (Cl. 15—9)



1. In a vacuum cleaner, a fan casing and a rotary fan therein, a pick-up nozzle having a delivery conduit leading to the intake of said fan casing, a dust-collecting bag connected to the outlet of said fan casing, a mop receptacle formed as a part of the outer wall of said bag and exposed at the exterior thereof for the insertion of a mop, a dust delivery conduit leading from said mop receptacle to the intake of said fan casing, and valve mechanism constructed and arranged, in one position, to simultaneously open the delivery conduit of said nozzle and close the delivery conduit of said mop receptacle, and in another position, to simultaneously open the delivery conduit of said mop receptacle and close the delivery conduit of said nozzle.

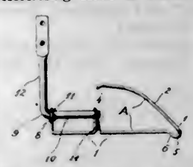
2,240,108
ROAD-BUILDING MACHINE
Harry E. Wiese, Oshkosh, Wis.
Application March 15, 1940, Serial No. 324,112
6 Claims. (Cl. 37—108)



1. An appliance for preparing the edge of concrete highway preparatory to receiving an additional strip of concrete comprising, a longitudinally extending beam, an operating handle at the rear end of the beam, a hitch device secured to the front end of the beam, and a plurality of laterally stepped plows secured to the beam along the length of the same and projecting under and beyond one side of the beam.

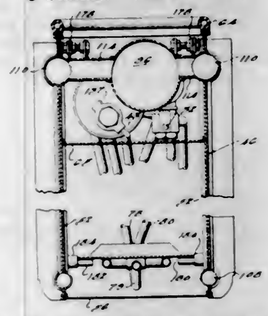
2,240,109
HOLDER FOR PAPER ROLLS
John Baldwin, Brooklyn, and William Hillenbrand, Rigo Park, Long Island, N. Y.
Application February 17, 1940, Serial No. 319,448
5 Claims. (Cl. 242—55.2)

1. A holder for toilet paper rolls comprising a one-piece wire structure consisting of a main wire section substantially parallel to the longitudinal axis of said roll, of a free-end wire section extending from said main section in an upwardly inclined direction and gradually transiting into a portion substantially parallel to said main section and terminating into a bent-down free end



and of an open loop resiliently connecting the one end of said wire section with the resilient free-end section and securing the paper roll thereupon without conflicting with its detachment and a plurality of ears consisting of upward and downward bent portions of the main wire to rotatably locate said holder on a support.

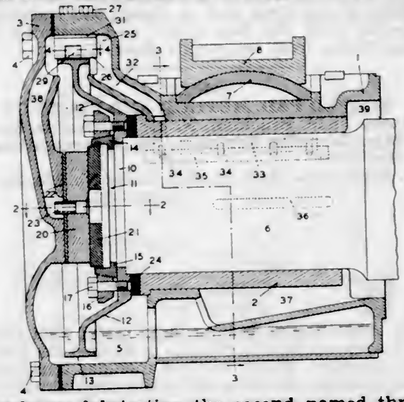
2,240,110
REFRIGERATING APPARATUS
John C. Buchanan, Ypsilanti, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Original application October 30, 1936, Serial No. 108,444. Divided and this application December 19, 1938, Serial No. 246,533
8 Claims. (Cl. 62—126)



2. Evaporator construction comprising a pair of spaced sheet metal side walls, each of said side walls comprising a pair of plates secured together and arranged to provide upper and lower horizontally extending headers, and refrigerant ducts for interconnecting said headers, said refrigerant ducts including ducts of different cross-sectional area.

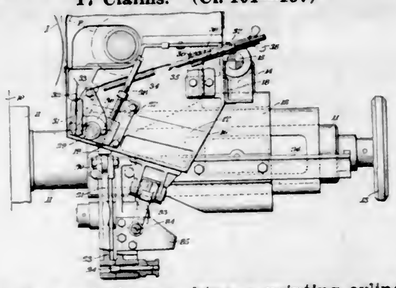
2,240,111
JOURNAL BEARING
Isaac Eugene Cox, Kirkwood, Mo., assignor to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York
Application September 20, 1940, Serial No. 357,560
2 Claims. (Cl. 308—85)

1. In a device of the class described, the combination with an axle box, of a lid therefor, a sleeve bearing carried by the box, an axle in said bearing, a floating thrust bearing positioned between the end of the axle and the lid, an oil raising disk carried by the axle, a floating thrust bearing between the sleeve baring and the disk, and a spoon cooperating with the periphery of the disk to remove oil therefrom and discharge it in two directions, one oil discharge lubricating the first named thrust bearing, the other oil



discharge lubricating the second named thrust bearing and the axle bearing.

2,240,112
PRINTING MACHINE
Frank W. Egan, West Englewood, and Lynn B. Case, New Brunswick, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application October 10, 1939, Serial No. 298,730
17 Claims. (Cl. 101—157)



1. In a printing machine, a printing cylinder, a pan partially enclosing said cylinder, a doctor for said cylinder, a holder for said doctor, pivotal supporting means for said holder, a carrier in said pan for said pivotal supporting means movable to adjust said pivotal supporting means toward and away from the printing cylinder axis, means for effecting movement of said carrier, and resilient means supported by said pan and connected to said holder for maintaining the latter with the doctor in engagement with the surface of said cylinder.

2,240,113
SEPARATION OF PLANT FIBERS
Clyde R. Faulkender, Ames, Iowa, assignor to Milkweed Products Development Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 25, 1939, Serial No. 275,699
3 Claims. (Cl. 19—1)

1. The method of separating plant fibers of the class described comprising adjusting the moisture content of natural stalks to be treated to between ten and twenty per cent, breaking the stalks into short pieces, subjecting the pieces

while kept at the same moisture content to violent breaking action to comminute the woody fibers of the stalk and to loosen the fragments thereof from the bast fibers, and screening the bast fibers from the woody fiber.

2,240,114

SOAPED PAD, METHOD AND PRODUCT

Crosby Field, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc., a corporation of New York

Application June 22, 1939, Serial No. 280,532

16 Claims. (Cl. 252—91)



3. A method of making fluffy metal wool strips into soap-containing ribbons to be used for cleaning purposes, which method includes tensioning and widening the strip and while maintaining the tension, impregnating said strip, under pressure, with an excess of hot fluid soap and squeezing out so much of the excess soap as would destroy resilience of the strip when the soap is solidified, said squeezing being by pressure resiliently maintained independently of variations of thickness or resilience of the strip; and applying heat to dry the ribbon.

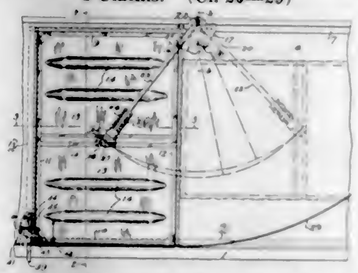
2,240,115

RAILWAY CAR DOOR STRUCTURE

Frederic J. Herter, East Cleveland, Ohio

Application August 14, 1939, Serial No. 290,104

3 Claims. (Cl. 20—29)



1. In combination, a frame defining a door opening, a door for closing the same, a hinge-like device pivotally connected to one corner of said door and to the adjacent portion of said frame, a telescoping member pivotally connected to the middle part of said door and to said frame, said device and member mounting the door so it may tilt in its general plane to move from open to closed position, and said telescoping member including yielding means tending to thrust the door towards a selected position.

2,240,116

METHOD OF PURIFYING GELATIN

Eric Leighton Holmes, London, England, assignor, by mesne assignments, to The Permutit Company, New York, N. Y., a corporation of Delaware

No Drawing. Application July 26, 1940, Serial No. 347,640

In Great Britain April 6, 1939

3 Claims. (Cl. 260—118)

1. A method of purifying gelatin solution which comprises passing the gelatin solution in a concentration of the order of five to ten per cent and at a temperature of 90 to 120° F. through insoluble granular cation exchange material containing hydrogen as exchangeable ions.

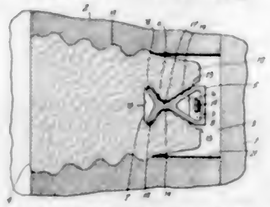
2,240,117

WALL ANCHORING MEANS

Harry P. Homolya, Mexico, Mo., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a corporation of Missouri

Application August 17, 1939, Serial No. 290,573

7 Claims. (Cl. 72—101)



1. A refractory wall-anchor block with converging sides, said block having a socket opening through its small end and through a side of said block, those side walls of the socket that are next to the open side of the socket converging from each end toward the middle to form a relatively narrow throat in the middle portion of said socket connecting inner and outer triangular portions.

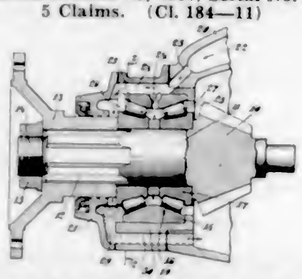
2,240,118

OILING DEVICE FOR DRIVING PINION BEARINGS

Philip E. Matthews, Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware

Application October 19, 1937, Serial No. 169,783

5 Claims. (Cl. 184—11)



1. In a lubricating system, a plurality of closely spaced front and rear bearing sections, said sections defining a lubricating passageway therebetween communicating at its lower extremity with both bearing sections, means for supplying lubricant to said passageway, a sump chamber external to said bearing sections communicating with the front bearing section, and means for maintaining the level of lubricant in the sump chamber sufficient to submerge the lowest bearing portion of the front bearing section for all positions of operation.

2,240,119

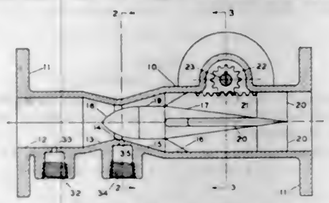
ADJUSTABLE VENTURI TUBE

James M. Montgomery, Columbus, Ohio, and Eric Pick, East Rockaway, N. Y., assignors to The Permutit Company, New York, N. Y., a corporation of Delaware

Application November 2, 1938, Serial No. 238,402

6 Claims. (Cl. 73—207)

1. An adjustable Venturi tube having a converging inlet section, a throat, a diverging outlet section, an axially movable needle within the tube, means for moving the needle, and a tip on the needle adapted to be moved into and out of the throat, the tip of the needle being of torpedo shape and such as to provide a substantially straight line relationship between the extent of



needle movement and the rate of flow through the tube with a constant difference between the pressure in the throat and the pressure in the tube ahead of the throat.

2,240,120

ELECTRON DEVICE

Frederick Hermes Nicoll, Ickenham, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application April 6, 1938, Serial No. 200,284

In Great Britain April 17, 1937

4 Claims. (Cl. 250—27)



1. In a cathode ray tube wherein is provided an electron emitter, a target electrode and a plurality of substantially tubular accelerating electrodes longitudinally spaced from each other and each in register with and intermediate the electron emitter and the target electrode, the method of focussing which comprises releasing electrons from the emitter, producing a first electrostatic field by applying positive voltage to one of the plurality of accelerating electrodes relative to the cathode to move the released electrons toward the target in substantially beam formation, producing a second electrostatic field intermediate the first field and target by applying a positive voltage to a second accelerating electrode relative to the cathode, said last-named field being substantially contiguous with the first field to increase the rate of motion of the electrons toward the target, adjusting the magnitude of the two electrostatic fields relative to each other by adjusting the voltage applied to values such that crossover of electrons of the beam takes place within the first accelerating electrode at a point located closely adjacent to the terminating plane thereof nearest the target, and then focussing the electrons passing beyond the second-named accelerating electrode upon the target.

2,240,121

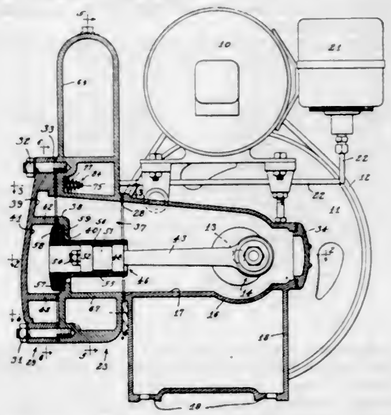
PUMP

Glenn A. Patterson, Davenport, Iowa, assignor to Red Jacket Manufacturing Co., Davenport, Iowa, a corporation of Iowa

Application October 10, 1938, Serial No. 234,104

18 Claims. (Cl. 103—159)

1. The combination in a pump having a reciprocating plunger, of a pump cylinder comprising a resilient and flexible sleeve positioned for reciprocation of the plunger therein, and an annular



flange of resilient and flexible material for supporting the cylinder to flex with movement of the plunger for maintaining alignment thereof with the plunger.

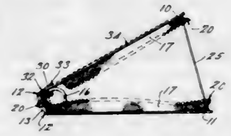
2,240,122

LOOSE-LEAF BOOK OF ZIPPER TYPE HAVING EASEL WRITING TABLE CONSTRUCTION

Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, a corporation of Massachusetts

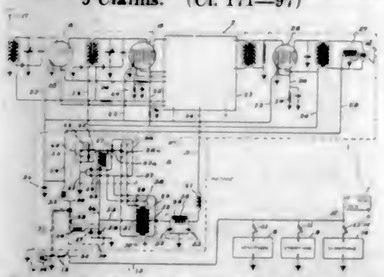
Application June 7, 1940, Serial No. 339,345

1 Claim. (Cl. 281—33)



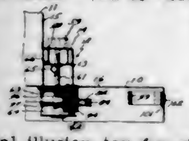
A loose-leaf notebook which includes a back member, to the inner face of which a ring binder mechanism is secured, and front and back cover members hinged to the sides of the back member, slide fastening closure strips secured to the edges of the cover members to normally extend inwardly of the cover edges and form a sharp angle therewith, and a stiff flap hinged to the free side edge of one cover member, the free side edge of said flap being engageable between the closure strip and inner surface of the opposite cover member to position the covers at an angle to each other to form a desk structure, the upper edge of the cover which forms the desk surface being supported by said flap and the lower edge of said cover resting on the rings of the binder mechanism and a strip of stiff material secured to the outer surface of the desk-forming cover, opposite the points of engagement of the rings with the inner surface of said cover, to reenforce said cover against the warping action of the rings and to form a rest for sheets placed on the desk surface, said strip being sufficiently wide to bring its lower edge closely adjacent the hinged edge of said cover, the strip being beveled toward that edge.

2,240,123
POWER SUPPLY SYSTEM
Frederic Shoup, Oaklyn, N. J., and Alexander D. Burt, Narberth, Pa., assignors to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 16, 1933, Serial No. 689,720
5 Claims. (Cl. 171—97)



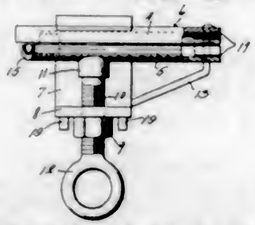
2. A power supply system for radio receiving apparatus and the like including in combination, a transformer having primary and secondary windings each provided with a tap between the terminal ends thereof, a high voltage output lead connected with the secondary tap, an audio frequency filter means in said lead adjacent to said tap, a low voltage supply lead connected with the primary tap, a cathode circuit forming a branch connection with said lead, a high frequency filter means interposed in each of said branch connections whereby said filter means are connected in series between said primary center tap and said cathode circuit, means providing circuit returns for said low voltage supply and high voltage output leads, vibrator means having a common vibratory arm contact and reversing contacts connected with the terminals of said transformer windings for simultaneously connecting one of the terminals of each of said windings with the circuit return means therefor, electrical shield means for said vibrator means, and a pair of condensers included within the shielding of said vibrator means providing separate alternating current paths between a pair of secondary contacts and the common vibratory arm contact therefor and said shield means.

2,240,124
TOY FOR SIMULATING BAGGAGE TRANSFER
William R. Smith, Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application February 10, 1940, Serial No. 318,366
16 Claims. (Cl. 46—216)



16. An optical illusion toy for simulating the action of transferring baggage at a railway station, including in combination with a toy railway station, a toy baggage landing, a toy baggage truck, a movable baggage simulating body mechanically associated with said landing, electrically operable mechanism constructed and arranged to cause said body to appear on and disappear from said landing, a second and like baggage simulating body mechanically associated with said truck, electrically operable apparatus constructed and arranged to cause said second body to appear on and disappear from said truck, and control means to predetermine and coordinate simultaneous performance of said mechanism and apparatus.

2,240,125
WINDING DEVICE
Raymond L. Strube, Kinsley, Kans., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application August 1, 1940, Serial No. 349,176
7 Claims. (Cl. 57—10)



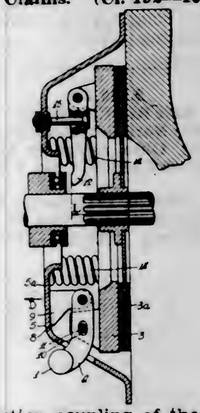
1. A ribbon winding device for high tension wires, comprising a guide adapted to engage the wire and divided longitudinally to form two portions, a bracket secured to one portion, a screw threadably connected with and supported by the bracket, means forming a swivel connection betwen an end of the screw and the other portion of the guide, and means at one end of the guide and forming a part of the guide facilitating the spiral winding of a ribbon about the wire upon axial rotation of the guide around the wire.

2,240,126
SHIFT-OVER MECHANISM FOR CAMERAS AND THE LIKE
John M. Wall, Syracuse, N. Y.
Application March 20, 1939, Serial No. 262,862
7 Claims. (Cl. 74—91)



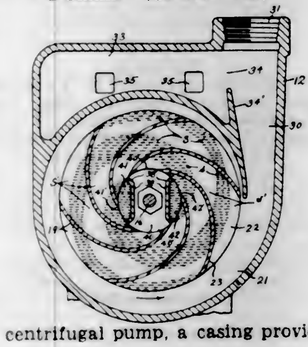
1. In a shift-over mechanism of the character described, the combination with a driven member mounted for reciprocative movement in a predetermined path, of locking means including a movable holding element for releasably maintaining the driven member in either of two predetermined positions in said path of movement thereof, a reversible actuating shaft, means operatively connecting the shaft with the holding element whereby said holding element may be moved to release the driven member, and means operatively connecting the actuating shaft with the movable member including a gear and rack mechanism, one of the gears of said mechanism being rotatively mounted on the actuating shaft, and means including drive and driven elements providing a limited lost motion connection between the actuating shaft and said latter gear, said connecting means being of such a character that when the driven member reaches either of said positions in its path of movement said driven member will be automatically locked against further movement in either direction and the shaft will be automatically locked against further forward movement but is free to be moved in a reverse direction independently of the gear mechanism during the initial movement thereof so that the holding member may be subsequently moved by operation of the actuating shaft to release the driven member prior to movement of said latter member from said locked position thereof.

2,240,127
FRICTION COUPLING
Richard Binder, Schweinfurt, Germany
Application April 15, 1938, Serial No. 202,213
In Germany May 5, 1937
3 Claims. (Cl. 192—103)



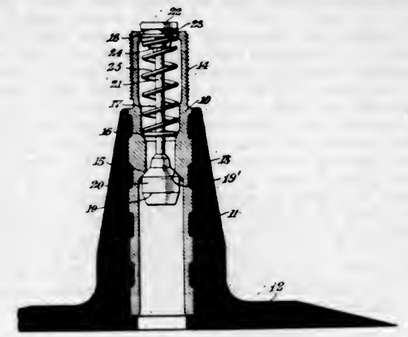
2. In a friction coupling of the class wherein there is provided a pair of coupling elements, one of which includes a casing having a section substantially perpendicular to the axis of the coupling, and springs for moving said elements into surface coupling relationship, in combination therewith of centrifugal weights operable by centrifugal force to increase the surface coupling pressure between said elements, but exerting at the same time axial forces on said casing section tending to deform said casing and change the setting length of said coupling, and means including said centrifugal weights, and acting under centrifugal action for creating forces having components acting in opposition to said axial forces, to prevent harmful deformation of said casing, and prevent substantial changes in said setting length.

2,240,128
SELF-PRIMING CENTRIFUGAL PUMP
Paul G. Bogdanoff, Baldwinsville, N. Y.
Application November 12, 1938, Serial No. 239,960
1 Claim. (Cl. 103—113)



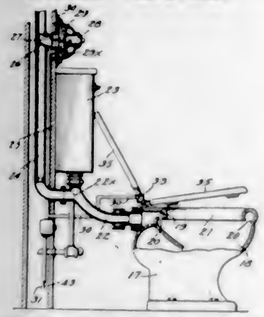
In a centrifugal pump, a casing provided with a pump chamber having an inlet eye at its center and a volute surrounding said pump chamber with an upright outlet passage leading therefrom, a vane impeller rotatably mounted in the pump chamber with its axis of rotation in line with said inlet eye, an inlet passage communicating with said inlet eye at diametrically opposite sides of said axis of rotation of the impeller, a storage reservoir in said casing for priming liquid spaced from and arranged above said pump chamber and having a restricted inlet passage communicating with the outlet passage above the volute for receiving priming liquid from said latter passage, said case having additional passages extending downwardly from the reservoir at opposite sides of the inlet passage separated therefrom and from said discharge passage and communicating with said inlet eye at opposite sides of said inlet passage for the purpose set forth.

2,240,129
VALVE
Lewis C. Broecker, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application February 15, 1939, Serial No. 256,439
2 Claims. (Cl. 277—42)



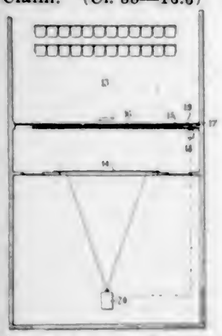
1. A valve for use with inner tubes of tires or the like, comprising a hollow stem having a portion of reduced internal diameter intermediate its ends to provide a valve seat at one end of said portion and a shoulder at its other end spaced from said valve seat, a valve member of greater cross section than the inner edge of said valve seat and normally in contact with said seat, a pin connected to said valve member extending through said reduced portion and beyond said shoulder, a plug carried by said pin and so admeasured in diameter as substantially to close the end of said stem above said shoulder, a portion of said plug normally extending beyond said last named end when said valve is seated and having an annular groove and resultant shoulder to facilitate removal of said valve member pin and plug as a unit from said stem, said valve member being composed of yieldable material capable of sufficient deformation to permit the valve member to be passed through the narrowest internal portion of said stem but being of sufficient rigidity to resist expulsion from the said stem under normal pressure of air in the said stem, and a spring interposed between said shoulder and said plug to maintain said valve on its seat, said valve member, pin and plug being insertable and removable as a unit from said stem through its open end.

2,240,130
VENTILATING DEVICE FOR WATER CLOSETS
Harry L. Carothers, Anthony, Kans.
Application August 13, 1938, Serial No. 224,790
1 Claim. (Cl. 4—213)



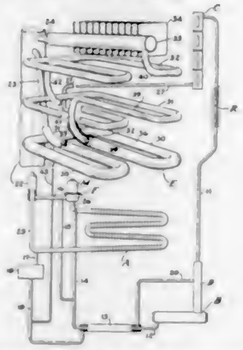
In a ventilating device for water closets; the combination of a water closet having a water conduit around the upper portion of the bowl thereof and having water passages opening from the conduit into the closet bowl, said water closet being provided with a water flush tank and having a flush pipe connecting between said flush tank and the water conduit in said water closet; a vent pipe, the lower end of said vent pipe being connected into said flush pipe, said vent pipe extending upwardly above said flush pipe to a point of discharge; an air jet in said vent pipe intermediate the ends thereof, said jet being so positioned as to receive air from outside the vent pipe and jet said air in an upwardly direction in said vent pipe so as to siphon a draft of air from the bowl of said water closet through said water passages and said conduit and flush pipe into said vent pipe to be discharged at the top of the vent pipe; an air impeller in said jet device and power means for driving said air impeller, and a control device operable by a seat on said water closet for the purpose of controlling said power means as and for the purposes shown and described.

2,240,131
ARRANGEMENT FOR SECURING STEREOSCOPIC CINEMATOGRAPHIC PROJECTIONS
Suzanne Carré, née Berment, Paris, France, assignor to Société à Responsabilité limitée dite: La Chronostereoscopie, Paris, France
Application March 18, 1938, Serial No. 196,783
In France March 23, 1937
1 Claim. (Cl. 88—16.6)



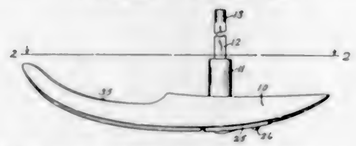
In a projection apparatus for obtaining projection pictures in relief by projecting right and left elementary stereoscopic pictures, the combination of a projection screen, a projection apparatus so arranged as to alternately project a right and a left picture directly and wholly on said screen, a grid located between said screen and the spectators, outside the field comprised between the projection apparatus and the screen, said grid having spaces and solid portions of equal width, and means for moving said grid so that, during the projection of each elementary picture, each solid portion of said grid successively occupies the portions which were occupied by a space adjacent to said solid portion during the projection of the preceding picture.

2,240,132
REFRIGERATION
Curtis C. Coons, North Canton, and William H. Kitto, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,187
In Great Britain August 20, 1937
16 Claims. (Cl. 62—119.5)



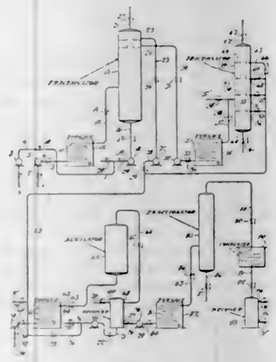
4. Refrigerating apparatus including an evaporator comprising a plurality of vertically spaced serially connected sections, means for propelling a pressure equalizing medium upwardly through said sections, means for supplying liquid refrigerant to said evaporator intermediate a pair of adjacent sections, the arrangement being such that a portion of the liquid flows downwardly counter to the gas stream into the lower of said pair of sections and the remaining portion of the liquid is carried by said gas stream upwardly into said upper pair of sections by the frictional drag of the gas stream flowing thereover.

2,240,133
HANDLE
William J. During, Syracuse, N. Y., assignor to Precision Castings Company, Inc., Syracuse, N. Y., a corporation of New York
Application March 20, 1939, Serial No. 262,858
6 Claims. (Cl. 292—347)



5. The combination with a pre-formed hollow handle having at least one open side, of a removable and replaceable cover plate adapted to close at least a portion of said open side of said handle, and means formed in said handle and adapted to cooperate with said cover plate for removably receiving and holding and releasably locking said cover plate in place, said means comprising a converging pair of grooves, each of said grooves being provided with an overhanging lip located adjacent the converging ends of said grooves.

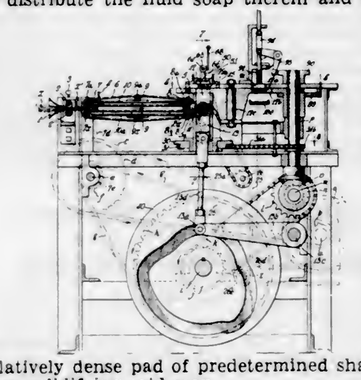
2,240,134
TREATMENT OF HYDROCARBON OILS
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 21, 1940, Serial No. 325,108
8 Claims. (Cl. 196—10)



1. A process for treating petroluem fractions to produce therefrom substantial yields of essentially paraffinic motor fuel having relatively high antiknock value which comprises subjecting an intermediate boiling range petroleum fraction to treatment at an elevated temperature and pressure in the presence of a catalyst consisting essentially of a mixture of ferric chloride and aluminum chloride with a minor amount of hydrogen chloride to produce a substantial yield of iso-butane and normal butane, separating said iso-butane and said normal butane, thermally cracking said normal butane at an elevated temperature and pressure and for a time of reaction adequate to produce a substantial yield of olefinic hydrocarbons, alkylating said iso-butane with said olefinic hydrocarbons and fractionating the products of the alkylation step to recover high anti-knock value gasoline.

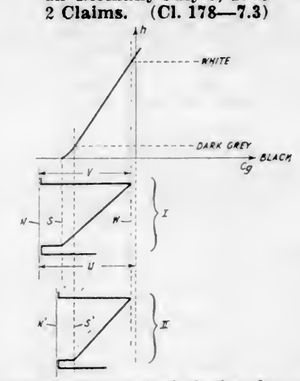
2,240,135
METHOD OF FORMING AND IMPREGNATING FIBROUS PADS
Crosby Field, Brooklyn, and Gerald Crandall Toole, St. Albans, N. Y., assignors to Brillo Manufacturing Company, Inc., a corporation of New York
Application December 27, 1938, Serial No. 247,762
12 Claims. (Cl. 252—91)

1. A method of making soaped metal wool pads from fluffy metal wool, which includes successively forming approximately equal weights of the fluffy wool into fluffy bodies, discharging fluid soap on said wool while in fluffy condition, then highly compressing the thus soaped fluffy wool, to distribute the fluid soap therein and form a



relatively dense pad of predetermined shape and then solidifying said soap.

2,240,136
SIGNALING APPARATUS
Max Geiger, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 7, 1937, Serial No. 152,288
In Germany July 9, 1936
2 Claims. (Cl. 178—7.3)



1. In an electro-optical device for producing an image composed of elemental areas of varying light intensity, the method of improving the operation of the device which comprises the steps of maintaining the maximum brightness of one of the tones other than black of the produced image constant and simultaneously varying the contrast ratio of the entire image.

2,240,137
TRIPPABLE PLURAL INTERLOCK CAR COUPLING
Alfred C. Gilbert and Marshall H. Frisbie, Hamden, Conn., assignors to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application November 7, 1938, Serial No. 239,254
18 Claims. (Cl. 213—89)

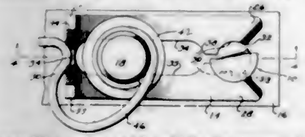
1. A draft coupling for toy railway cars including track-guided wheel trucks, comprising a coupling support and coupling catch carried by the trucks of each of adjacent cars, and liftable draw couplers; each of said couplers including a tail end portion providing a point of anchorage to the

support carried by one car, a hook-shaped head portion providing a point of draft engagement with the catch carried by the adjacent car, and a coupler body section intermediate said point of anchorage and said point of engagement, said body sections of the couplers being disposed in side by side alignment crosswise of the track beneath adjacent ends of the coupled cars, and shaped to extend downwardly to a point substantially nearer the track level than does the tail end portion and hook-shaped portion of either coupler.



3. In a coupling for toy railway cars having track-guided wheel trucks, the combination defined in claim 1, together with a shaft extending crosswise the track rails at an uncoupling station, trip cams fixed to said shaft in spaced relation between the track rails and in register respectively with the paths of travel of the said coupler body sections, and means releasably to maintain said shaft and trip cams either in or below the paths of travel of said draw hooks said means being constructed and arranged cooperatively with said shaft and cams to prevent displacement of the latter by the passing of said draw couplers.

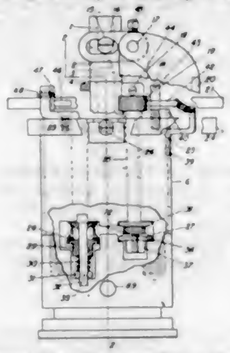
2,240,138
SLIDE FASTENER LOCK
Ray A. Johns, Borinquen Field, P. R.
Application July 31, 1940, Serial No. 348,903
3 Claims. (Cl. 24—211)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A readily releasable slide fastener for securing a pair of articles together comprising, in combination, a stud carried by one of said articles and a second stud carried by the other of said articles, a bifurcated plate member slidably mounted on said first-mentioned stud in fixed lateral relation to said article, said plate member having a recess in the fore end thereof, said recess having a mouth narrower than the width of said recess, said second stud having a recess portion of width corresponding to the width of said first-mentioned recess and adapted to be received therein in close fitting relation, and spring means attached to said first-mentioned stud and connecting with said plate member for yieldingly urging said plate member into engagement with said second stud.

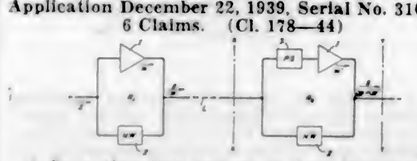
2,240,139
AUTOMATIC GASKET PUNCH
Albert K. Kaailau, Honolulu, Territory of Hawaii
Application October 22, 1940, Serial No. 362,237
14 Claims. (Cl. 164—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An automatic punch mechanism comprising a punch and a cutter, one being reciprocable toward the other, said punch mechanism having a strip blank passageway extending therethrough between said punch and said cutter when in spaced relation to each other, means on the opposite sides of said passageway for advancing the strip blank through said passageway to be between and beyond said punch and said cutter, and means operated by the reciprocation of said punch and said cutter toward and away from one another operating said strip blank advancing



means in proper synchronization with the punching operation, said strip blank advancing means including a feed pressure roller on one side of said passageway and a feed pressure wheel on the other side of said passageway, the periphery of said wheel being serrated.

2,240,140
DISTORTION REDUCTION IN WAVE TRANSMISSION
Henry K. Krist, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1939, Serial No. 310,520
6 Claims. (Cl. 178—44)

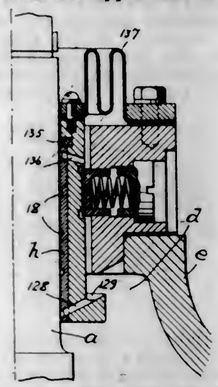


1. In a signaling system, a long transmission line having a plurality of signal amplifiers of the stabilized feedback type spaced apart therein, each of said amplifiers tending to generate third order modulation products resulting from amplitude distortion of the signals transmitted through the said line and each of said amplifiers having a mu-beta circuit, said amplifiers comprising a plurality of each of two different kinds in substantially equal numbers, said two kinds differing substantially only in that the phase shift frequency characteristic of the mu-beta circuits of amplifiers of the one kind differs by approximately 180 degrees from the corresponding characteristic of amplifiers of the other kind, whereby said modulation products generated in amplifiers of the one kind are effectively reduced by like modulation products generated in amplifiers of the other kind.

2,240,141
CENTRIFUGE
Hans Olof Lindgren, Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application July 12, 1938, Serial No. 218,747
In Sweden January 18, 1938
5 Claims. (Cl. 308—36.1)

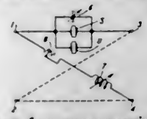
4. In a machine including a spindle liable to rotate eccentrically, driving mechanism engaging the lower part of the spindle and a housing

therefor, means to prevent entrance of fluid to said housing comprising a bearing fitting the spindle and free to follow its movements, flexible partitioning means surrounding the spindle and whose opposite sides are respectively in and out of fluid communication with said housing and one end of which is in fluid tight relation with the housing and the other end of which is in fluid tight relation with the upper end of said bear-



ing, there being a channel between said spindle and bearing extending from the lower end of the bearing to near its upper end through which lubricating oil may be pumped from the lower part of the housing to the upper part of and thence outside said bearing, and means, above the terminus of said channel and below the point of attachment of said flexible partitioning means, forming a tight joint between the spindle and the bearing.

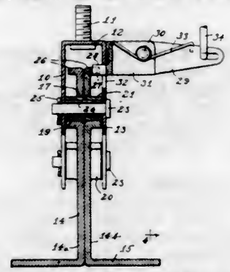
2,240,142
WAVE FILTER
George H. Lovell, Stelton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 7, 1938, Serial No. 212,246
19 Claims. (Cl. 178—44)



1. A wave filter for suppressing a narrow band of frequencies while freely transmitting frequencies on either side thereof comprising two pairs of similar impedance branches disposed between a pair of input terminals and a pair of output terminals to form a symmetrical lattice network, each of one pair only of said branches including a piezoelectric crystal having a region of positive reactance which coincides with and limits the band of frequencies to be suppressed, and each of the other pair of said branches comprising an inductance as the only reactance element.

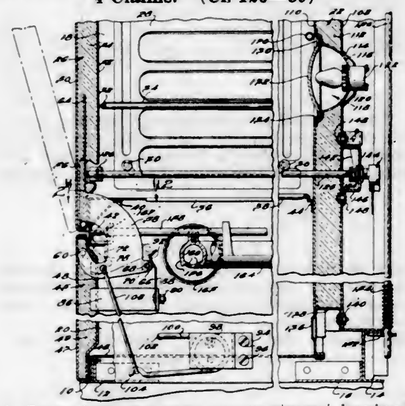
2,240,143
ADJUSTABLE SEAT
Walter R. Lustig, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application June 18, 1937, Serial No. 148,828
20 Claims. (Cl. 155—14)

1. A longitudinally movable seat comprising a fixed floor bracket, a seat supporting bracket movable relative thereto, said seat-supporting bracket being of inverted channel shaped cross-section providing a top web portion and the floor bracket extending upwardly between the side walls thereof, means extending upwardly from the top web portion of said seat-supporting bracket for securing the same to the bottom of a seat, transverse rollers rotatably mounted between said side walls and engaged in longitudinal slots provided in the other bracket therebe-



tween, whereby the seat supporting bracket is supported for roller action longitudinally relative to the floor bracket while preventing tilting displacement of the seat bracket relative thereto, the floor bracket being of sheet metal construction with metal from the slotted portions thereof bent to form longitudinal flanges providing thereon track surfaces engaging said rollers, and means for releasably securing said seat bracket in longitudinally adjusted relation to the floor bracket.

2,240,144
STOVE
Herbert E. Mills, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application January 22, 1937, Serial No. 121,727
4 Claims. (Cl. 126—39)



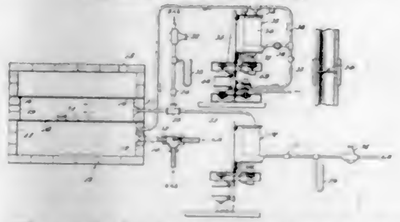
1. In a stove, an oven compartment having an opening for providing access thereto, a door for closing said opening, a broiling compartment arranged below said oven compartment, a heating element disposed in said broiling compartment and adapted for heating said oven compartment, thermostatic means associated with said heating element for regulating the supply of energy thereto and having an element thermally associated with said oven compartment so that said thermostatic means may be set for controlling

said heating element to provide a selected temperature condition within said oven compartment, a support in said broiling compartment below said heating element for supporting a food product to be broiled by said heating element, and means associated with said door to said oven compartment for maintaining said door ajar so as to prevent the operation of said thermostatic means when it is desired to use said heating element for broiling food in said broiling compartment.

2,240,145
MOTOR FUEL COMPOSITION
Franz Rudolf Moser, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 22, 1939, Serial No. 291,361. In the Netherlands December 2, 1938
6 Claims. (Cl. 44—9)

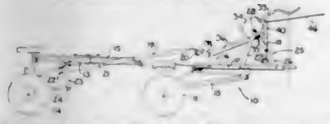
1. A liquid fuel for compression ignition engines containing a small amount of heteropolymeric ketone peroxides obtained by oxidizing a mixture of at least 2 ketones of different molecular sizes one of which is acetone, said mixture having an average number of carbon atoms of not more than 8, the highest number of carbon atoms of any one ketone in said mixture being not more than 12, and the mixtures containing not more than 80 mol % of any one ketone.

2,240,146
CARBURIZING FERROUS METALS
Harold J. Ness, Bloomfield, N. J.
Application October 6, 1938, Serial No. 233,637
9 Claims. (Cl. 148—17)



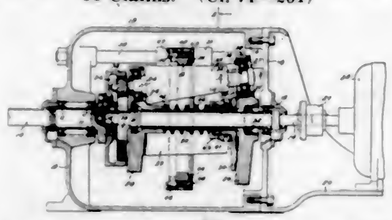
1. The method of carburizing ferrous metals which comprises heating said metals to the carburizing temperature in a continuous flow of a gaseous carburizing medium containing lithium.

2,240,147
HARROW
Arthur A. Scarlett, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application May 25, 1940, Serial No. 337,229
9 Claims. (Cl. 55—83)



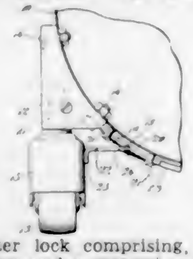
1. A harrow comprising a frame, a gang connected therewith, a rotatable member connected with the frame, a member connected with the gang and engageable with the rotatable member for longitudinal movement in response to rotation of the rotatable member, and releasable means for holding the longitudinally movable member in engagement with the rotatable member, whereby the harrow may be angled by rotation of the rotatable member with the member in engagement and by draft forces with the members out of engagement with one another.

2,240,148
VARIABLE SPEED TRANSMISSION
Walter P. Schmitter and Alfred G. Bade, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application November 29, 1935, Serial No. 52,095
31 Claims. (Cl. 74—281)



1. In a variable speed transmission the combination of a plurality of rotary planet members, a rotary carrier therefor, driving means therefor, encircling means engaged with said members, means for shifting said encircling means along said members to regulate their motion, driven means responsive to the motion of said members, and means for urging said members into forcible contact with said encircling means, said encircling means being radially movable to substantially equalize the contact pressures.

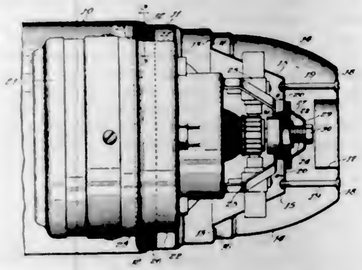
2,240,149
CASTER LOCK
Arthur W. Seyfried, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 18, 1940, Serial No. 324,632
4 Claims. (Cl. 16—35)



1. A caster lock comprising, in combination with a caster and a support, a resilient retaining member secured at one end to the support and free at its opposite end, and a locking plate having an opening through it, said locking plate being yieldingly engaged by said retaining member between said opening and one end of the plate and adapted to bear on said caster at the opposite end.

2,240,150
SUCTION CLEANER MOTOR MOUNTING
Arthur W. Seyfried, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 18, 1940, Serial No. 324,635
5 Claims. (Cl. 248—26)

1. A suction cleaner motor mounting comprising a cleaner housing having an open end and a circumferential shoulder on its inner surface at a distance from said open end, a motor housing within the cleaner housing, said motor housing having a circumferential shoulder on its outer surface, a resilient ring between said housings engaged by said shoulders, the outer end of the motor housing being accessible through said open end of the cleaner housing, and means secured

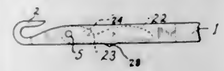


to the outer end of the motor housing and bearing on the outer surface of the cleaner housing adjacent said open end, said means drawing the motor housing in an axial direction toward the open end of the cleaner housing and thereby compressing said resilient ring between said shoulders by pressure exerted by said motor housing shoulder against said resilient ring and cleaner housing shoulder.

2,240,151
BRONZING LACQUER
Herbert L. Wampner, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application May 1, 1940, Serial No. 332,688
9 Claims. (Cl. 134—79)

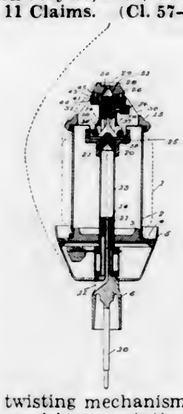
1. A cellulose ester bronzing lacquer containing a flake-like bronze powder and a leafing agent comprising an aliphatic hydroxyamine.

2,240,152
KNITTING NEEDLE, CHIEFLY ADAPTED FOR THE RESTORATION OF MESHES
Gustave Charles Alric, Troyes, France, assignor, by mesne assignments, to American Vitos Company, New York, N. Y.
Application May 12, 1937, Serial No. 142,241
In France May 20, 1936
5 Claims. (Cl. 66—117)



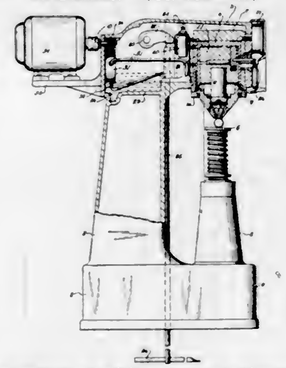
1. A knitting needle particularly adapted for the restoration of meshes, comprising a shank having a hook formed on one end thereof, said shank having a longitudinal slot formed therethrough, a plate pivotally mounted within said longitudinal slot capable of closing the entrance of said hook, an appendage formed with and extending from said plate and said appendage having a projection formed therewith for contacting one of the meshes and imparting a pivotal motion to said plate thereby.

2,240,153
ADJUSTABLE YARN TENSION DEVICE
Ralph H. Carter and Richard Gollong, Johnson City, and Chadwick B. Kingsbury, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application July 29, 1939, Serial No. 287,288
11 Claims. (Cl. 57—58)



1. A yarn twisting mechanism of the character described comprising a rotating drive spindle, a non-rotating bobbin removably mounted on the free end of said spindle, and having a yarn package wound thereon, said spindle and bobbin having a central yarn passage therethrough, and a tension device carried on the upper end of said bobbin, said device having a pair of pivoted arms having opposed and abutting friction surfaces thereon between which the yarn from said package is drawn to create a uniform tension therein.

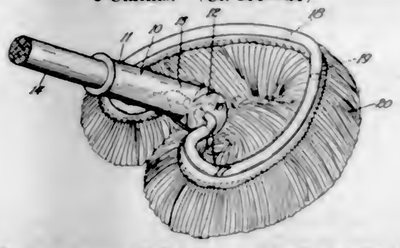
2,240,154
MACHINE FOR TESTING HARDNESS OF DISTORTABLE BODIES
Ralph Campbell and Frederick H. Nass, Detroit, Mich., assignors to Detroit Testing Machine Company, Detroit, Mich., a corporation of Michigan
Application June 11, 1938, Serial No. 213,114
14 Claims. (Cl. 265—14)



1. In a testing machine, two relatively movable members, a work-engaging piece carried by one of said members, a penetrator carried by the other member, said members being movable in the same direction towards the work, a common means for actuating said members simultaneously, means

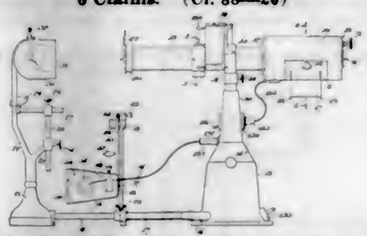
for actuating said other member alone at a predetermined pressure on the first member, a gauge-actuating member loosely mounted on said other member and adapted to remain inactive during preliminary movement of said other member, and means operable at pre-determined pressure on said other member for locking said actuating member thereto, whereby said actuating member becomes operative throughout further movement of said other member.

2,240,155
MOP
John P. Closson, Chicago, Ill., assignor, by mesne assignments, to The A. S. Boyle Company
Application January 9, 1939, Serial No. 249,961
5 Claims. (Cl. 306—20)



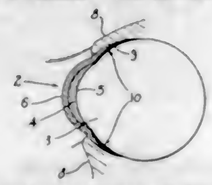
1. A mop comprising, in combination, a handle, a mop frame and a flexible rubber coupler having a handle socket, a seat in the rubber coupler which normally completely encircles a member for holding the mop frame, and a slit through the flexible rubber wall into the seat whereby the rubber coupler may be spread on both sides of the slit to remove the holding member.

2,240,156
APPARATUS FOR DETERMINING THE MINIMUM LIGHT VISIBLE
Jacob B. Feidman, Philadelphia, Pa.
Application July 17, 1937, Serial No. 154,176
6 Claims. (Cl. 88—20)



4. Apparatus for determining dark adaptation of human eyes including the combination of a support, a first source of relatively high intensity illumination and a viewing screen therefor with said screen having such characteristics that it may be illuminated by said first source to substantially uniform intensity throughout its area, means on the support for movably carrying said source and screen, the source and screen being movable into an operative position in the normal line of vision of said apparatus so as to expose the eyes under test to said first illumination for a period, determined by the said intensity of said first source, sufficient to produce light adaptation, the source and screen being also movable away from said line of vision into an inoperative position so as to terminate said exposure, a second source of illumination of a predetermined small intensity and a viewing screen therefor also carried by said support with said second screen lying substantially in the same normal line of vision as said first screen in its operative position and so positioned as to be viewed by said eyes after the said exposure of said first screen has been terminated and after said first screen has been removed from said line of vision, without necessitating movement of said eyes from their first exposure position, and as the eyes recover from said high intensity light adaptation, adjustable visibility varying means associated with said second light source for varying the visibility of said second screen as perceived by said eyes along said line of vision, and value indicating means correlated with said adjustable means for indicating the degree of visibility of said second screen when at the threshold of vision of said eyes for ascertaining the dark adaptation of said eyes.

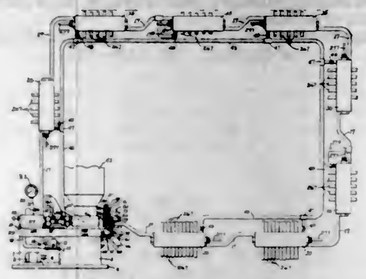
2,240,157
OPHTHALMIC LENS
Louis L. Gagnon and Harold R. Moulton, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 25, 1938, Serial No. 210,005
3 Claims. (Cl. 88—54.5)



1. An ophthalmic lens of the contact type comprising a central visual portion of transparent lens medium and a surrounding supporting portion of transparent lens medium having an inner surface shaped substantially to the general contour shape of the scleral portion of the eye on which said portion is adapted to be supported and a relatively thin layer of synthetic resinous material having the characteristics of polymeric methyl methacrylate of the type having a clear transparent moldable water and acid resisting nature secured to an inner surface of at least one of said portions of the contact type lens initially in a partially polymerized state having the property of being impressable when in said state substantially to the irregularities of the contour of the surface of the eye with which said layer engages under conditions of use and being permanently shaped and adapted to retain said irregularities through further polymerization of said initially partially polymerized layer.

2,240,158
FLUID DISTRIBUTING SYSTEM
David R. Hillis, Detroit, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application March 4, 1937, Serial No. 129,041
17 Claims. (Cl. 184—7)

1. In combination in a dual-line uniflow fluid dispensing system, a fluid pump, a plurality of fluid dispensing feeders, each of said feeders comprising a series inlet, a series outlet, a plurality of dispensing outlets, a second inlet, fluid responsive means responsive to fluid pressure for dispensing from said dispensing outlets fluid received through said second inlet, and a hydraulically operated member for controlling the supply of fluid from said second inlet to said dispensing means; conduit means for continuously delivering fluid from said pump in one direction

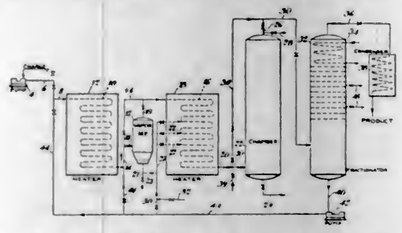


through the series inlets and the series outlets of said feeders for actuating said hydraulically operated members, and a second fluid delivery line for delivering a different fluid into selected ones of the second inlets of said feeders.

2,240,159
REFRACTORY CEMENT
Otis L. Jones, Joliet, Ill., assignor to The Illinois Clay Products Company, Joliet, Ill., a corporation of Illinois
No Drawing. Application November 4, 1937, Serial No. 172,737
4 Claims. (Cl. 106—9)

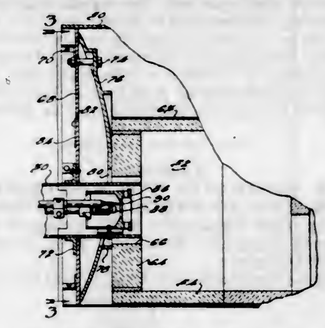
1. A refractory cement for bonding silica brick comprising in combination a high purity silica finely subdivided into varying sizes ranging from 50 mesh and smaller, a fraction of a per cent of water retaining gum, a small amount not exceeding 10% of plastic fireclay having a medium silica content, and about 2% of bentonite to maintain the solid materials in suspension in the cement when mixed with water, said cement having a fusion point of about 3000° F.

2,240,160
COMPLETE CONVERSION OF PETROLEUM OILS
William Kaplan, Malverne, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application August 26, 1935, Serial No. 37,809
12 Claims. (Cl. 196—60)



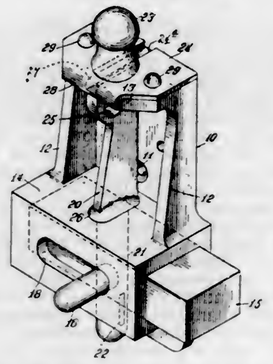
7. The process of cracking residue oils in the vapor phase, which comprises injecting the residue oil into a high temperature stream of hydrocarbon vapor passing through a long tube of restricted cross-section mounted in a heating zone, intimately spraying the residue into the stream in such a ratio to the vapor stream that the residue is instantly vaporized and the constituents thereof carried in intimate dispersion in the vapor stream, controlling the heating of said stream in said zone to maintain the same above the dew-point of the mixture, and continuing the heating of the vapor mixture for a sufficient period of time to convert a substantial proportion of the oil residue into constituents boiling in the gasoline range.

2,240,161
OIL BURNER
Moritz L. Mueller, Grosse Pointe, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 5, 1938, Serial No. 238,981
3 Claims. (Cl. 158—4)



1. In combination with a furnace having a combustion chamber and a pressure oil burner operatively associated therewith and adapted to supply a combustible mixture of oil and air to said combustion chamber, a pair of heads constructed and arranged so as to define an expansion chamber and situated so as to close one end of said combustion chamber, a restricted communication between said chambers independently of said oil burner, said expansion chamber having a port communicating directly with the atmosphere outside of said oil burner and said combustion chamber.

2,240,162
DOOR LOCKING AND SEALING DEVICE
Joseph Nemec, Western Springs, Ill.
Application July 3, 1940, Serial No. 343,750
2 Claims. (Cl. 292—148)



1. A door locking and sealing device compris-

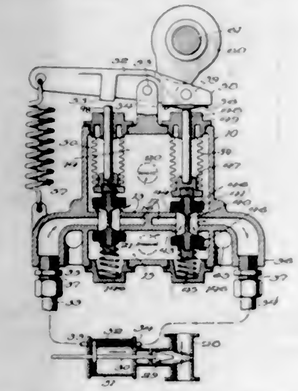
ing a main member provided with a flat attaching face, a box-like open ended housing portion at its lower end and an overhanging wall at its upper end spaced from the housing portion, said housing portion having a slot in its forward wall and registering holes in its top and bottom walls, while the overhanging upper wall is transversely slotted; a bolt member slidably mounted in said housing, movable through the open ends thereof and provided with a finger grasping pin extending through the slot in the housing portion and having spaced apart holes extending vertically therethrough and adapted to be brought into register with the holes in the top and bottom walls of said housing portion; a bolt locking member slidably mounted in the slot of said overhanging wall, the lower end of the member being reduced and adapted to pass through the registering holes in the housing portion and said bolt member whereby the latter is held in locking or unlocking position, said bolt locking member being transversely apertured to receive a car-seal; and means whereby dissociation of said bolt locking member from said slotted overhanging wall is prevented.

2,240,163

VALVE APPARATUS FOR CONTROLLING HYDRAULIC OR PNEUMATIC MACHINES

Eric Pick, East Rockaway, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application September 30, 1938, Serial No. 232,654
1 Claim. (Cl. 277—20)



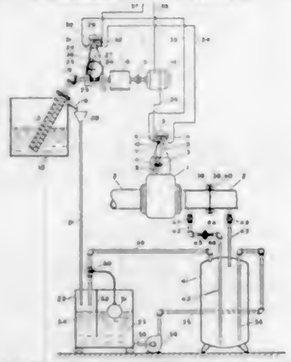
In a valve mechanism a plurality of valve units juxtaposed to form a stack, each unit comprising a housing, partition means in each housing defining two separate chambers therein open at opposite ends of the housing and communicating directly with corresponding chambers of adjoining housings, closures for covering the exposed ends of the outermost housings in the stack, screw means for holding said housings and closures together in fluid tight relationship, means in said closures for connecting one of said sets of communicating chambers with a source of pressure fluid and the other of said sets with a point of disposal, two other fluid chambers in each of said housings, ports leading from each of the first named chambers into each of said other fluid chambers, valve members for said ports, stems for said valve members, a shaft coextensive with the stack, cams on the shaft adapted to move the stems upon rotation of the shaft, and means for rotating the shaft.

2,240,164

APPARATUS FOR AND METHOD OF APPORTIONING CHEMICAL TO A FLOW OF WATER

Eric Pick, East Rockaway, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application May 13, 1939, Serial No. 273,385
8 Claims. (Cl. 210—31)



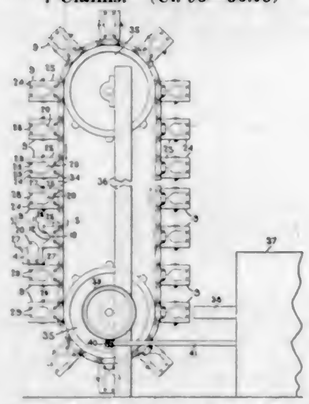
1. Apparatus for apportioning chemical to a flow of water under pressure comprising a pipe conveying a flow of water, a flow restricting element in said pipe, a closed mixing tank, a connection from said pipe on one side of said element to said tank, another connection from said tank to said pipe on the other side of said element, a flow restricting element in one of said connections, a dilution tank, means for feeding chemical into said dilution tank, means for operating said means for feeding chemical, a pipe for admitting diluting liquid into said dilution tank, a valve in said last named pipe, a float in said dilution tank adapted to actuate said valve, a connection from said dilution tank to said mixing tank, and a pump in said last named connection.

2,240,165

APPARATUS FOR SHAPING FLAT CUPS

Sidney M. Scott, Needham, Mass., assignor to Boston Envelope Company, Dedham, Mass., a corporation of Massachusetts

Application April 18, 1940, Serial No. 330,249
7 Claims. (Cl. 93—36.05)



1. A device for shaping nested flat cups comprising a container having an elongated cup-

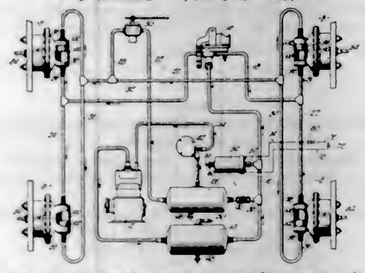
receiving chamber adapted to receive a stack of nested flat cups, a tapered core member permanently and stationarily located within said chamber at one end thereof and adapted to enter the cup at one end of a stack of nested cups which is placed in said chamber, and means within said chamber adapted to engage the other end of the stack of nested flat cups and hold said cups in tightly nested relation with the core member filling the end cup of the stack, said core member holding said end cup in partially opened condition and each succeeding cup of the stack being held similarly in partially opened condition by the cup which is nested therein.

2,240,166

EMERGENCY AIR BRAKE SYSTEM

Richard E. Stanley, Kansas City, Mo.

Application October 28, 1939, Serial No. 301,787
6 Claims. (Cl. 303—13)



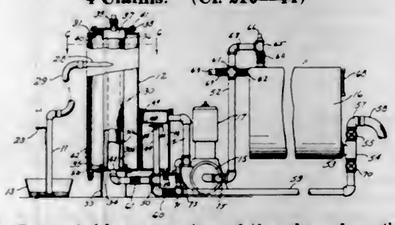
1. In an air brake system of the character described having a plurality of sets of brake units, a compressor, a storage tank for compressed air connected to the compressor, conduits interconnecting the brake units and said storage tank, and a control valve in one of the conduits, the combination of an emergency reservoir; a pipe joining the storage tank and said reservoir having a check valve therein precluding flow of air from the emergency reservoir to the storage tank; pipes independent of the said conduits, directly and independently interconnecting the said emergency reservoir and each of the brake units; and a valve to control the passage of air from the reservoir to the brake units.

2,240,167

SUCTION SEPARATOR

Charles D. Adams, Los Angeles, Calif.

Application May 24, 1937, Serial No. 144,466
4 Claims. (Cl. 210—44)



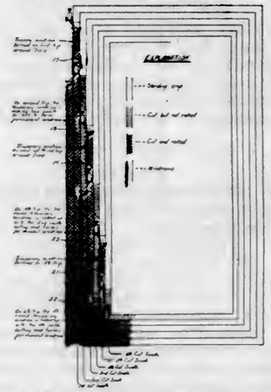
1. In portable apparatus of the class described, a separating tank, a suction nozzle connected thereto, a suction pump for creating and maintaining a partial vacuum in said tank, a vertically-disposed centrally-located cylindrical screen within the said tank, an opening in the side of said tank for connection with said suction nozzle, an opening in the top of said tank through which said screen may be inserted and removed, a plate or cover secured to the upper end of said screen, a gasket between said plate and the top of said tank for making an air tight joint, means for securing said plate and compressing said gasket, a vertically-disposed oil drain pipe extending through the lower end of said tank, connected to said pump, and having its upper end within the lower end of said screen, and positioning means for the lower end of said screen secured to the bottom of said tank, and within the same.

2,240,168

METHOD OF CUTTING AND RAKING FARM CROPS

Robert Floyd Adkisson, Yukon, Okla.

Application August 8, 1938, Serial No. 223,644
1 Claim. (Cl. 56—1)



The method of simultaneously cutting and raking a farm crop which comprises the steps of: cutting a first swath around a standing field crop and simultaneously raking the cut swath into a temporary windrow extending along the outside edge of the swath; cutting a second swath around the standing crop, letting the cut swath lie where it falls, and simultaneously raking the first windrow (only) to move it the width of one full swath toward the outside edge of the field; cutting a third swath around the standing crop and simultaneously raking the cut swath into a temporary windrow extending along the outside edge of the third swath path; cutting a fourth swath around the standing crop, letting the cut swath lie where it falls, and simultaneously raking the last mentioned temporary windrow and the second cut swath and combining the two into a permanent windrow extending along the outside edge of the second cut swath; and repeating the last two steps until the entire field has been cut and raked into windrows which are spaced two swaths apart.

2,240,169

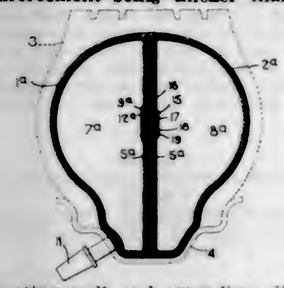
PNEUMATIC TIRE

Benjamin Howard Benson and Bernard E. Mendelsohn, Brookline, Mass.

Application March 1, 1939, Serial No. 259,180
1 Claim. (Cl. 152—341)

An inner tube for a pneumatic tire comprising twin-tube sections having mating walls in contact with each other, the mating wall of one tube section having an unobstructed naked leak hole therethrough, and also having a reinforcement permanently secured to its exterior face sur-

rounding the leak hole and provided with a continuation of said leak hole, the mating wall of the other tube section having an opening therethrough in which said reinforcement is received, said reinforcement being thicker than the last



named mating wall and extending slightly beyond the inner face thereof, the inner face of the reinforcement having radial grooves communicating with the leak hole, the contacting faces of said mating walls being cemented together in a zone immediately surrounding the leak hole.

2,240,170

METHOD OF PRODUCING WELDED TUBING

John B. Borgadt, East Cleveland, Ohio

Application September 2, 1939, Serial No. 293,266

4 Claims. (Cl. 219—10)



3 The method of resistance welding of metal stock with a welding mechanism employing resistance electrodes, comprising forming thickened longitudinally extending marginal beads on the stock surface, said beads being relatively wide and extending inwardly from the edges to be welded a distance at least as great as necessary to provide substantial marginal contact area for cooperation with welding electrodes to be applied thereto, removing surface material of the beads to form continuous, accurate, uniform, smooth surfaces having a contour substantially congruent transversely to the contact surfaces of electrodes of the resistance welding mechanism to be engaged therewith, passing the stock through said welding mechanism with said surfaces in contacting relation to said electrodes.

2,240,171

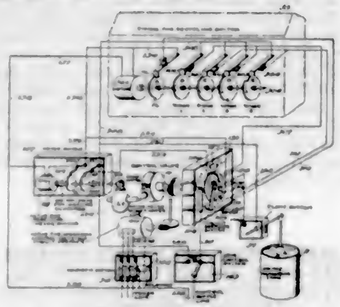
AUTOMATIC BACKWASH VARIATION IN WATER SOFTENERS

Norman E. Brice, Millburn, N. J., and Charles M. Guldner, New York, N. Y., assignors to The Permutit Company, New York, N. Y., a corporation of Delaware

Application December 1, 1936, Serial No. 113,692

11 Claims. (Cl. 210—24)

5. In an electrically operated and automatically controlled regenerative base exchange water softener having valve control means, an electric motor for said valve control means, starting switch means for said motor, a circuit breaker operated by said motor, and a timing motor, automatic backwash control comprising a plurality of cam-actuated switches operated by said timing motor and wired in circuit with said circuit breaker and said starting switch means energizing and deenergizing said valve motor, certain of said cam actuated switches being arranged to control the valve motor to establish complete regenerating cycles including normal steps of backwashing, brining, and rinsing and others of said cam-actuated switches being arranged to control



the valve motor to establish succeeding incomplete cycles in which predetermined individual normal steps are eliminated.

2,240,172

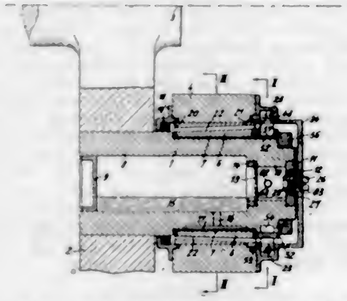
AUTOMATIC LUBRICATION OF BEARINGS ON CRANKPINS

Erich Burmeister, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany

Application October 20, 1938, Serial No. 236,019

In Germany November 1, 1937

14 Claims. (Cl. 74—605)



11. A device as described in claim 10, wherein each of said bearings has fixed to its end remote from said oil collecting means, packing means adapted to block oil escaping from the bearing surfaces at said remote ends, said bearings being provided with channels inclined to the axis of the crankpin for conducting the blocked oil to said collecting means.

2,240,173

ABSORPTION REFRIGERATING APPARATUS

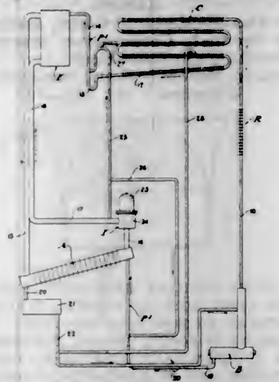
Curtis C. Coons, North Canton, Ohio, and Rudolph S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 30, 1936, Serial No. 118,284

Renewed May 19, 1939

26 Claims. (Cl. 62—119.5)

1. In an absorption refrigerating system of the type using a heavy inert gas, a generator, a condenser, an evaporator, an absorber, and a gas pump for circulating the inert gas, gas lift pumps for lifting liquid refrigerant from the condenser to the evaporator and weak aqua from the generator to the absorber, and means supplying heavy inert gas from the gas pump to said gas



lift pumps whereby the gas pump positively circulates the liquids in the system.

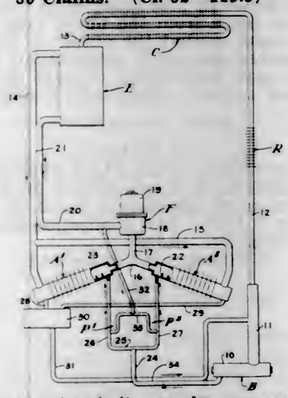
2,240,174

ABSORPTION REFRIGERATION APPARATUS

Curtis C. Coons, North Canton, Ohio, and Rudolph S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 30, 1936, Serial No. 118,285

36 Claims. (Cl. 62—119.5)



11. An absorber-boiler-analyzer assembly for a continuous absorption refrigeration apparatus comprising a boiler, an analyzer arranged at an angle to the horizontal and connected to the boiler, an absorber, absorption fluid conduits connecting the boiler, absorber and analyzer in circuit and arranged to provide gravity flow of absorption liquid from the boiler to the absorber, and means for circulating the absorption fluid through said circuit including a gas lift pump actuated by a gas which is non-condensable at ambient temperature.

2,240,175

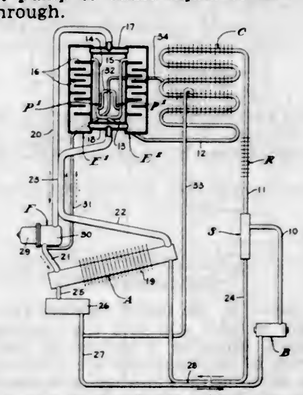
ABSORPTION REFRIGERATION APPARATUS

Curtis C. Coons, North Canton, Ohio, and Rudolph S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 30, 1936, Serial No. 118,286

38 Claims. (Cl. 62—119.5)

1. Absorption refrigerating apparatus of the type in which an inert gas is employed as a pressure equalizing agent and including an evaporator, an absorber, a gas lift pump for conveying liquid into the evaporator, a gas conduit connecting the evaporator and absorber for conveying inert gas and refrigerant gas from the evaporator to the absorber, a power driven pump located in said conduit for raising the pressure therein and means for removing some of the gas at the raised pressure from said conduit before it enters the absorber and for conveying it to said gas lift pump to cause liquid to flow upwardly therethrough.



5. The method of operating an absorption refrigeration apparatus which includes lifting substantially pure liquid refrigerant from a point of rest to an evaporation zone thereabove by means of a relatively small propelled stream of dense gas injected into a body of the liquid in column form, said small stream of gas being derived from a relatively large circulating stream of gas.

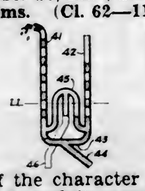
2,240,176

REFRIGERATION

Curtis C. Coons, North Canton, Ohio, and Rudolph S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application October 20, 1937, Serial No. 169,986

15 Claims. (Cl. 62—119.5)



1. Apparatus of the character described comprising a U-shaped conduit, means for supplying liquid to the bight portion of said U-shaped conduit, an inverted U-shaped gas supply conduit having the legs thereof connected to the legs of said U-shaped conduit, and means for supplying gas under pressure to the bight portion of said inverted U-shaped conduit.

2,240,177

REFRIGERATION

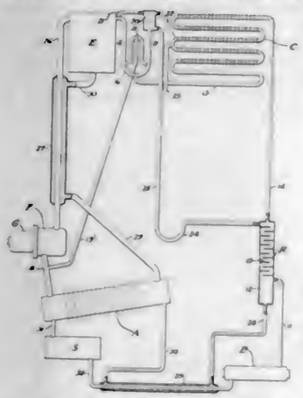
Curtis C. Coons, North Canton, Ohio, and Rudolph S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 23, 1937, Serial No. 181,276

15 Claims. (Cl. 62—119.5)

1. That improvement in the art of refrigera-

tion by means of an absorption system comprising a boiler, a reflux rectifier, a condenser, an evaporator, said vessels all being in open communication, and means for propelling a stream of an inert pressure equalizing medium through said evaporator, which consists in generating re-



frigerant vapor in the boiler, passing the vapor through the rectifier and into the condenser to be condensed, injecting a portion of said propelled stream of inert gas into the condensate to divide the same into a plurality of streams, and returning one of said streams of condensate to the rectifier to condense absorbent vapor.

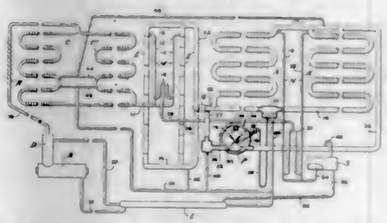
2,240,178

ABSORPTION REFRIGERATION

George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio

Application April 4, 1940, Serial No. 327,791

44 Claims. (Cl. 62—5)



1. In combination, an absorption refrigeration apparatus comprising a generator assembly, a condenser, an evaporator vessel, an absorber vessel, conduits interconnecting said generator, absorber, evaporator and condenser to provide an absorption solution circuit between said generator and absorber, an inert gas circuit between said absorber and evaporator, and a refrigerant medium circuit between said generator, condenser, evaporator and absorber, said apparatus being charged with a refrigerant, an absorbent medium therefor and an inert gas, a power operated positive displacement gas pump in said inert gas circuit, said pump being hermetically sealed within said apparatus, said evaporator and absorber vessels being constructed to contain a body of refrigerant liquid and a body of absorption solution respectively, and means cooperating with said pump to introduce the inert gas into liquid directly from the bottom portion of each of said vessels as the gas is circulated therethrough.

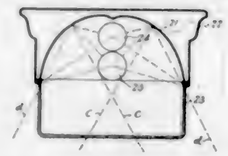
2,240,179

LUMINAIRE FOR MULTIPLE FLUORESCENT LAMPS

Leroy C. Doane, Meriden, Conn., assignor to The Doane Products Corporation, Meriden, Conn., a corporation of Connecticut

Application March 12, 1941, Serial No. 383,033

4 Claims. (Cl. 240—78)



1. A direct lighting luminaire comprising an elongated, open mouthed reflector which in transverse vertical section is a diverging open conic curve having a focus, linear fluorescent lamps mounted lengthwise within said reflector one above another and in substantially contacting relation, one of said lamps being disposed above the focal line and near the vertex of said reflector and the other lamp below the focal line of the reflector, with the line of substantial contact of the lamps substantially coinciding with the focal line of the reflector, the opaque light reflecting surface of each lamp intercepts light radiated by the other lamp throughout a substantial angle about the axis thereof and reflects said light laterally towards the sides of the reflector, the light rays from the lower lamp being projected by said reflector in a convergent beam and those from the upper lamp in a divergent beam so that the output of said lamps will be mixed and cover substantially the same area and any fluctuations of light intensity in the mixed output substantially eliminated.

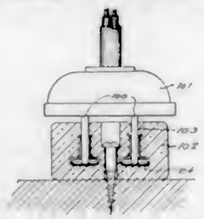
2,240,180

CONTINUOUS OUTLET SYSTEM

William H. Frank, Detroit, Mich.

Continuation of application Serial No. 183,232, January 3, 1938. This application February 14, 1940, Serial No. 318,920

8 Claims. (Cl. 173—334.1)



1. A continuous outlet of strip form comprising a strip of flexible material, such as rubber, having two parallel longitudinal continuous grooves on its top surface, with each groove being of inverted T cross section, the leg of the T opening to the top surface and the base of the T extending parallel to the top surface, each groove containing a strip bus bar of sheet metal folded in a double walled T to provide a base and two sides which are parallel and close together to form a prong receiving continuous contact, the base of each strip being of greater transverse dimensions than the space between the sides, the walls of each groove closely fitting against the outer surface of each strip so that the latter acts as a liner for each strip.

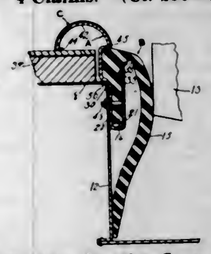
2,240,181

SCUFF PLATE

Clarence C. Fairbank, Detroit, Mich., assignor to The Standard Products Company, Cleveland, Ohio, a corporation of Ohio

Application November 22, 1937, Serial No. 175,745

4 Claims. (Cl. 296—28)



1. A scuff plate for the floor sill of an automobile or the like below a door opening thereof, with said floor sill having a generally vertical outer face and a generally horizontal top face, said scuff plate comprising a rigid channel member open at its top and adapted to be secured to said floor sill, with the inner side wall of said channel member alongside the outer face of said floor sill, said channel member when so secured to said floor sill having the top opening of its generally vertical channel adjacent the top face of said floor sill, and a resilient member having an anchoring portion secured in the channel of said channel member and also having a depending wing portion which terminates adjacent the lower longitudinal edge portion of the outer side face of said floor sill, said wing portion being adapted for resilient sealing engagement with the bottom edge portion of the door for said door opening, the inner wall of said channel member being provided with an inwardly offset recess within which is confined a part of the anchoring portion of said resilient member, the generally horizontal part of the channel member inner wall which constitutes the inwardly extending bottom wall of said recess having seating engagement upon said floor sill top face.

2,240,182

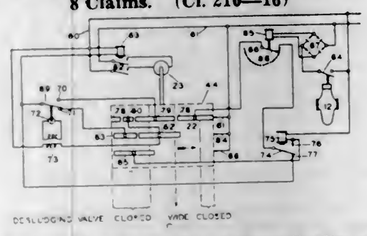
APPARATUS FOR DESLUDGING SETTLING TANKS

Charles M. Guldner, Jr., Granite Springs, and Eric Pick, East Rockaway, N. Y., assignors to The Permutit Company, New York, N. Y., a corporation of Delaware

Application July 1, 1939, Serial No. 282,410

In Great Britain August 29, 1938

8 Claims. (Cl. 210—16)



1. Improved means for automatically withdrawing sludge at spaced intervals comprising a sludge outlet adapted for connection to a tank containing turbid liquid, a valve adapted to be moved to positions to initiate and terminate flow of sludge through the sludge outlet, power means for moving said valve, an initiation switch adapted to energize the power means to move the valve to initiate flow of sludge, means for alternately closing and opening said initiation switch, a time switch adapted to energize the power means to move the valve to terminate flow of sludge, a motor to move the time switch, switch means arranged to energize the motor each time the valve is moved to initiate flow of sludge, and another switch for the power means in series with the initiation switch and arranged to be opened while the valve is being moved to terminate flow of sludge and to be closed by the opening of the initiation switch when the valve has been moved to terminate flow of sludge.

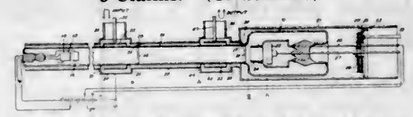
2,240,183

ELECTRIC DISCHARGE DEVICE

William C. Hahn, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1938, Serial No. 243,397

8 Claims. (Cl. 250—27)



1. The method which comprises producing an electron beam, effecting initial velocity modulation of the beam, abstracting power from the beam at the modulation frequency, thereafter producing a secondary velocity modulation of the beam so related to the initial modulation as substantially to offset the effects thereof and to provide a region of relatively uniform electron velocity at some point along the beam, and finally collecting the beam at such point.

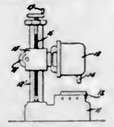
2,240,184

ELECTRIC GAUGE

Claude M. Hathaway, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application March 26, 1938, Serial No. 198,337

8 Claims. (Cl. 177—351)



1. A gauge comprising a movable member, a pair of double-coil electromagnets placed substantially end to end with pole tips spaced apart, an armature movably mounted between said pole pieces and of such dimensions as to leave variable air gaps between said pole tips and said armature, a mechanical connection between said armature and said movable member, and means responsive to relative magnitudes of the reluctances of said electromagnets.

2,240,185

METHOD OF TANGLING WIRE

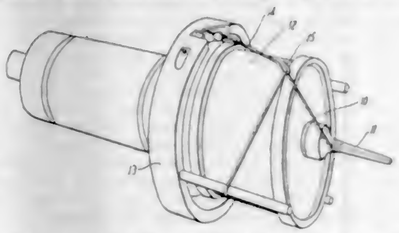
Daniel E. Hennessy, Leominster, Mass., assignor to Springfield Wire & Tinsel Co., West Springfield, Mass., a corporation of Massachusetts

Application March 17, 1939, Serial No. 262,508

10 Claims. (Cl. 140—71)

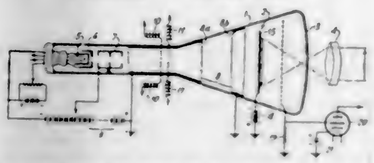
1. A method of tangling wire which comprises forming a helical coil with the wire under a

stress having a tendency to cause the helix to untwist, and progressively releasing the stressed



helix for local rotation while holding the released product against rotation as a whole.

2,240,186
ELECTRON DISCHARGE DEVICE
Harley A. Iams, Berkeley Heights, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 30, 1938, Serial No. 243,159
4 Claims. (Cl. 250—153)



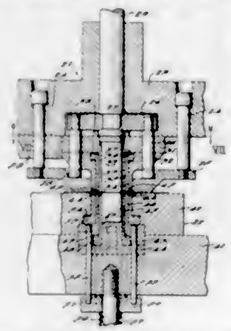
2. A cathode ray tube for generating electrical signals representative of elemental areas of light and shade of an optical image comprising a highly evacuated envelope including a transparent window at one end thereof, a target electrode having a perforated metallic foundation covered on only the side facing said window with a mosaic of mutually insulated photosensitized particles, the exposed foundation side facing away from said window, a cathode ray gun including an electron source and an anode to generate and direct on the exposed foundation side of said target an electron beam having a cross-sectional area substantially equivalent to the area of said elemental areas of the optical image, and means to scan said beam over successive elemental areas of the secondary electron emitting material of said target, and a light permeable electron collecting electrode between said window and said target electrode and adjacent said target electrode exposed to said plurality of particles.

2,240,187
ENCLOSURE FOR ELECTRIC DEVICES
Ralph H. Kingdon and George K. Moore, Detroit, Mich., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application November 24, 1939, Serial No. 305,868
8 Claims. (Cl. 220—27)



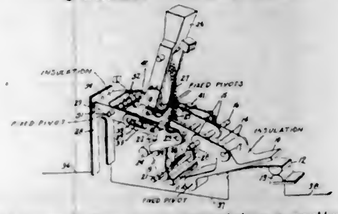
1. In a sheet metal enclosing box for an electrical instrumentality, opening providing means for the attachment of conduit and the entrance of conductors carried therein for attachment to said instrumentality, said means being located at least in a side or end wall of the box and optionally providing a plurality of different size openings for the reception of different size conduit, said means comprising a plurality of sections originally integral with said box wall but substantially sheared therefrom except at spaced, integral tie points so as to be readily removable therefrom to provide the desired size opening and having substantially circular outer outlines defined by the shear lines or the projection thereof, at least certain of said outlines being substantially tangent at the point nearest the back of the box whereby conduit of various sizes will have their exterior surfaces at substantially the same distance from the back of the box, the outer shear lines of certain of said sections terminating a substantial distance short of the point of tangency and utilizing another shear line passing therethrough to complete the opening provided by removal of the section.

2,240,188
TOOL
Ralph H. Kingdon and George K. Moore, Detroit, Mich., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application March 30, 1940, Serial No. 327,084
8 Claims. (Cl. 164—86)



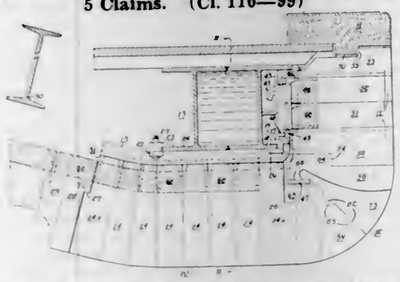
1. In a punch and die tool for forming an opening providing means in a single pressing operation in a sheet metal box for an electric instrumentality composed of a plurality of sections scored from the box wall so as to be readily removable therefrom, a stationary die element formed of a plurality of sections including an outer section having a circular opening therein corresponding to the outer outline to be scored, a discontinuous second section received within said opening, a third section within said second section and having its exterior surface substantially tangent to the projected exterior surface of the second section and to the interior surface of said opening at the same point, certain of said sections being relatively movable, and a movable punch section formed of a plurality of sections similar and complementary to the die sections, with the sections on the punch cooperating with stationary die sections being movable relative to the main body of the punch and with the sections on the punch cooperating with movable die sections being stationary with respect to the main body of the punch, the relative movement between said sections being sufficient to produce at least a partial shearing of the sheet metal at the cutting edges of the sections.

2,240,189
CIRCUIT BREAKER
Leonard J. Linde, Drexel Hill, and Joseph W. Seaman, Upper Darby, Pa., assignors to General Electric Company, a corporation of New York
Application September 22, 1939, Serial No. 296,084
6 Claims. (Cl. 200—116)



1. A circuit breaker comprising a switch member mounted on a pivot for movement between open and closed circuit positions, an operating arm mounted on said pivot, means biasing said switch member with respect to said operating arm to said open circuit position, latch means normally securing said switch member against said biasing means in a predetermined relation with said operating arm, means for moving said operating arm to move said switch member between said open and closed circuit positions, current responsive means for actuating said latch means to release said switch member, and a pin and slot pivotal connection between said current responsive means and said latch means.

2,240,190
FURNACE STRUCTURE
Levi S. Longenecker, Mount Lebanon, Pa.
Application December 5, 1939, Serial No. 307,631
5 Claims. (Cl. 110—99)

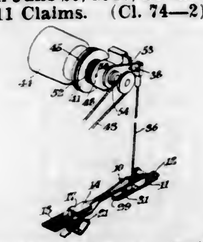


1. In a furnace structure, a support beam, a furnace roof portion supported from said beam, a hanger supported from said beam, a vertical wall supported from said hanger, a series of pairs of refractory blocks forming the furnace nose and closing the space between adjacent ends of the furnace roof and the vertical wall; each such pair of refractory blocks comprising an upper block primarily supported by said hanger and a lower block supported by the end block of the furnace roof.

2,240,191
PROCESS OF PRODUCING POROUS CONCRETE
Ralph H. McKee, New York, N. Y.
No Drawing. Application June 22, 1939,
Serial No. 280,516
11 Claims. (Cl. 106—24)

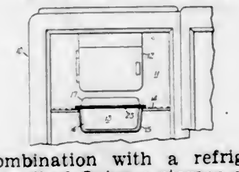
1. The process of producing light-weight, high early strength porous concrete which comprises reacting in a cement mix urea with a hypochlorite.

2,240,192
RELEASE MECHANISM
Charles Meyer, Yonkers, N. Y., assignor to Bartmann & Bixer Inc., New York, N. Y., a corporation of New York
Application June 20, 1940, Serial No. 341,504
11 Claims. (Cl. 74—2)



1. In a release device, a pivotally mounted lever, retractible latch means holding said lever in a predetermined locked position, yieldable means urging said lever away from said locked position against the holdng action of said latch means, and means to operatively retract said latch means whereby the lever will be rotatably actuated by said yieldable means about the lever's pivot, said yieldable means being so disposed as to exert its minimum turning effort on the lever when in its said locked position.

2,240,193
REFRIGERATOR
Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 19, 1939, Serial No. 274,521
12 Claims. (Cl. 62—1)

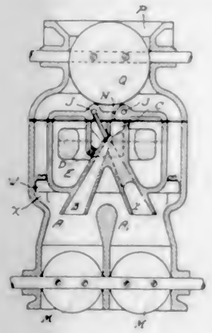


1. In combination with a refrigerator provided with walls defining a storage compartment and having a cooling unit associated therewith, a food storage receptacle arranged in said compartment and a shield member interposed between said receptacle and a portion of said compartment, a substantial portion of the surface of said shield member presented towards said walls and bodies therein having a relatively low coefficient of absorption of radiant heat for impeding heat transfer from said walls of said compartment and bodies therein to said receptacle.

2,240,194
CARBURETOR
Elmer Olson, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application October 22, 1938, Serial No. 236,526
2 Claims. (Cl. 261—23)

1. In a dual carburetor of the drawndraft type, an air entrance, a constant level fuel supply chamber located substantially in the middle of the air entrance, two relatively large air and fuel mixing venturis located below said fuel supply chamber and symmetrically located therewith and communicating with said air entrance surrounding said fuel supply chamber, two rich mixture passages located in the fuel supply chamber and oppositely inclined to each other so that

the two passages pass each other as closely as possible, the zone in which said passages pass each other being the central zone of said fuel supply chamber, outlets from said rich mixture passages discharging into the throats of said ven-



turis, and fuel well supply means located in said fuel supply chamber and connected to said inclined rich mixture passages, the points of fuel connection being substantially in the central zone of the fuel supply chamber.

2,240,195

CLAMPING SUPPORT

Harry P. Reiber, Pittsburgh, Pa.

Application April 6, 1938, Serial No. 200,492

2 Claims. (Cl. 24—256)



1. In a device of the class described a member having outwardly extending arms, and an elastic band for embracing an object, said band having a series of spaced transverse pins adjacent its ends for selective seating in the recesses of the respective ends of said member when the band embraces an object at its intermediate portion, the center to center distances between said pins of each series being less than the distance between the adjacent recesses in the arms of said member when the band is not under tension, the space between said pins being increased when the end portions of the band are under tension to thereby permit adjacent pins of a series to easily enter the respective adjacent recesses of the arms.

2,240,196

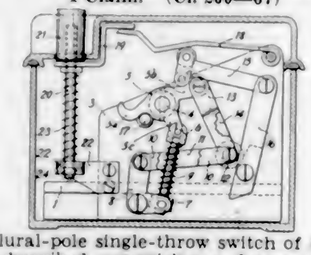
PLURAL-POLE SINGLE-THROW SWITCH

Johann Solenthaler, Rheineck, Switzerland

Application January 27, 1939, Serial No. 253,060

In Switzerland January 26, 1938

1 Claim. (Cl. 200—67)



A plural-pole single-throw switch of the character described comprising a frame, a contact shaft pivoted therein, a three-arm lever secured to said shaft, a stud secured to said frame for limiting the rocking of said shaft and lever, a connecting rod at one end articulated to the center arm of said lever, a bell crank pivoted in said frame and having two arms at right angles to one another, a collar journalled to one of the latter arms wherein the said connecting rod is longitudinally displaceable, a helical spring wound upon the said rod and bearing against said center arm and said collar, a pair of push bars at one end journalled to the other arm of said bell crank, a roller journalled to the other end of said bars, a pair of connecting rods at one end pivoted to said roller and push bars and at the other end journalled to one of the lateral arms of said lever, a second lever pivoted in said frame and having a slide face on both sides of its fulcrum for the said roller, an arm pivoted to the one end of said second lever and at its other end having a pair of rollers situated one above the other of which the lower one bears on the said latter arm of said first lever, a spring element secured to said frame and bearing on the top one of said latter pair of rollers, a spring-loaded plunger, and a connecting link for transferring a rectilinear movement of said plunger to the structure described; the whole in such a combination that upon completion of the switching manipulation the spring-pressure acting upon the said collar is transmitted by means of the first-mentioned roller onto the said second lever, that the latter is rotated, and that thereby a rotation of the said single arm is caused during which the bottom one of the latter's rollers is shifted from one of the lateral arms of said first lever onto the other lateral arm.

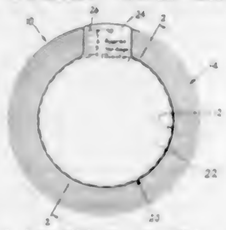
2,240,197

SPOOL FOR NARROW WARE

Joseph W. Stark, New York, N. Y.

Application January 24, 1939, Serial No. 252,585

4 Claims. (Cl. 33—128)



1. A spool for ribbon or other narrow ware comprising a barrel having a peripheral wall around which the ribbon or other material is wound, said barrel having circular side walls at the opposite ends thereof, and members secured to and covering the opposite side walls, respectively, of said barrel, each of said members having a substantially circular body portion and a part of less peripheral extent than said body portion projecting radially beyond the latter and outwardly of the periphery of the barrel and terminating in a free peripheral edge, said radially projecting part of at least one of said members having means thereon for indicating the quantity of ribbon or other material which is wound around said barrel on the spool.

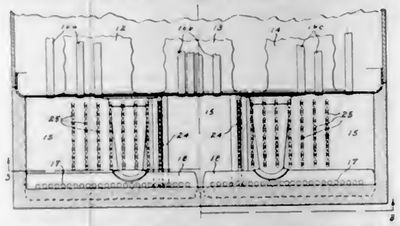
2,240,198

SUPERHEATER FOR SCOTCH BOILERS

Howard C. Towle, Mountain Lakes, N. J., and John A. Barnes, Chappaqua, N. Y., assignors to The Superheater Company, New York, N. Y.

Application February 21, 1939, Serial No. 257,588

1 Claim. (Cl. 122—465)



In a return tube boiler having three parallelly extending internal furnace flues, a single smoke chamber communicating with all of said flues, and a group of return tubes located above each flue through which gases entering said chamber exit from the latter; tubular superheater elements arranged in contacting relation in vertical rows between the central one of said flues and the flue located at each side thereof, said rows extending longitudinally of said chamber for subdividing it to direct the gases from each flue to the return tubes thereabove; and other tubular superheater elements disposed in the path of gases from each of said side flues through said chamber and the appurtenant return tubes.

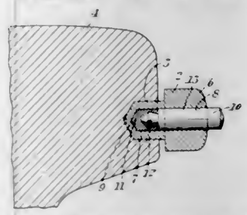
2,240,199

RAIL BOND

John R. Wilson, Wilkinsburg, Pa., assignor to Hanlon and Wilson Company, a corporation of Pennsylvania

Application April 27, 1940, Serial No. 331,986

5 Claims. (Cl. 173—280)



1. A rail bond terminal comprising a head, an expansible sleeve portion integral with the head adapted to be inserted in a rail cavity, a bore extending through the head and through a substantial portion of the length of said sleeve, one end of the bore being closed by the end wall of the sleeve, a relatively soft metal in the inner end of the bore of said sleeve, and a pin having a body portion and a reduced inner end portion, the body portion of the pin having a cross section substantially the same as that of the bore so as to substantially completely fill the bore and the reduced end portion being shaped for interlocking engagement with said soft metal, whereby upon driving the pin axially in said bore the reduced end section of the pin is driven into said material and the pin locked in the terminal.

2,240,200

LAMP HOLDER

William R. Young, Fairfield, and Frank D. Bryant, Stratford, Conn., assignors to General Electric Company, a corporation of New York

Application May 12, 1939, Serial No. 273,256

2 Claims. (Cl. 173—354)



1. In a lamp holder, a supporting base of insulating material, lamp socket means mounted on one side of said base, a plurality of stationary contacts mounted on the other side of said base and being electrically connected to said socket means, a member rotatably mounted on said base having a plurality of recesses therein and provided with an annular periphery having cam surfaces thereon, a ball bearing disposed in one end of each of said recesses, a shorting member carried by said rotatable member and overlying the other end of each of said recesses, spring means in each of said recesses engaging said shorting member and respective ball bearing and biasing said ball bearing into engagement with a stationary contact, and means for rotating said rotatable member, said means including an operating element engaging any one of said cam surfaces.

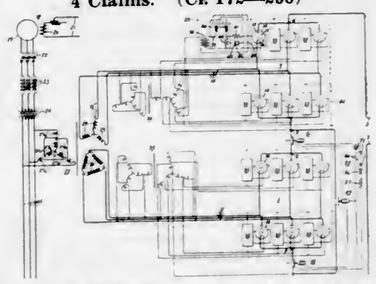
2,240,201

ELECTRIC TRANSFORMING APPARATUS

Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application November 5, 1938, Serial No. 239,159. Divided and this application March 1, 1940, Serial No. 321,713

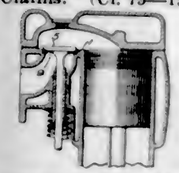
4 Claims. (Cl. 172—238)



1. In combination, a three phase alternating current circuit, a load circuit, and means for

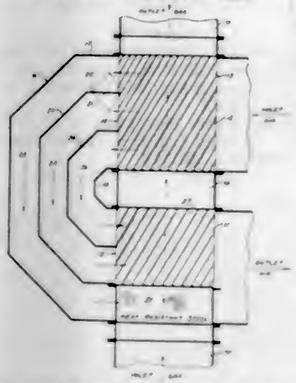
transforming three phase alternating current into twenty-four phase alternating current comprising two transforming means each having a group of star-connected secondary windings and a group of mesh-connected secondary windings connected to said load circuit and each having two groups of primary phase windings, one group of primary windings of each transforming means being connected in Y and means for connecting each of the windings of the other group of primary windings of each of said transforming means to a different electrically displaced winding of the associated said one group, the respective windings of the said other groups of said transforming means being connected in series relation with different combinations of phase windings of the said one groups to effect different phase displacements between the voltages induced in the star-connected and the mesh-connected secondary windings of the transforming means relative to the voltage of said alternating current circuit.

2,240,202
COPPER ALLOY
Carlo Anselmi, New York, N. Y.
Application July 25, 1939, Serial No. 286,377
3 Claims. (Cl. 75—159)



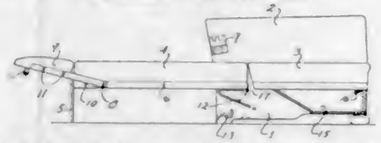
1. An alloy consisting essentially of, approximately, aluminum 8 to 11%, nickel 0.5 to 1.5%, iron 0.1 to 0.7%, copper balance, the amount of nickel being at least twice the amount of iron.

2,240,203
HEAT EXCHANGER
Wilbur H. Armacost, New York, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application November 25, 1938, Serial No. 242,363
1 Claim. (Cl. 257—216)



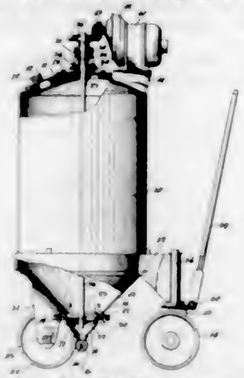
In heat exchange apparatus; a conduit for the passage of heating gases; a pair of heat exchangers each having passages for the flow of a fluid to be heated, such as air, in a direction transverse to the flow of the heating gases, said exchangers being arranged in series in said conduit so that the heating gases flow through said exchangers in succession; a duct located out of the path of the heating gases and connecting the air outlet of one heat exchanger to the air inlet of the other heat exchanger so that the air passes through said exchangers in a direction generally counter to that of the heating gases; and a partition extending longitudinally of said duct and so located as to direct air from the portion of said one exchanger that is last contacted by said heating gases to the portion of said other exchanger that is first contacted by the heating gases; and means movably supporting the portion of said partition having an end edge adjacent and extending across the air passages at the outlet of said one exchanger so that said partition portion may be moved to direct air through said duct from an area of larger or smaller extent at the air outlet of said one exchanger.

2,240,204
CHAIR BED
Joseph D. Bell, San Francisco, Calif.
Substituted for abandoned application Serial No. 63,686, February 13, 1936. This application April 19, 1937, Serial No. 137,860
9 Claims. (Cl. 155—47)



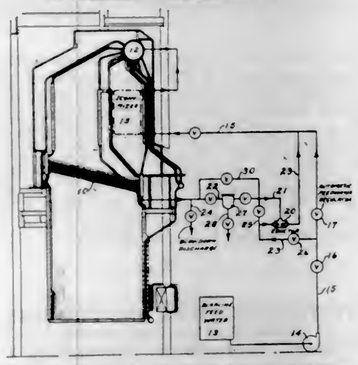
3. A chair bed comprising a supporting frame having a seat, a back carried by the supporting frame and movable into a reclining position and into alignment with the seat, an auxiliary bed section normally housed beneath the seat, and means operated by the reclining of the back for withdrawing the auxiliary bed section from underneath the seat without moving the seat from its normal position and for raising the auxiliary bed section into alignment with the aligned back and seat to form a bed.

2,240,205
FEEDING SOLID REAGENTS IN PULVERULENT CONDITION
Benjamin G. Call, Tacoma, Wash., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application July 1, 1939, Serial No. 282,387
4 Claims. (Cl. 302—52)



1. Apparatus for feeding a solid, pulverized material comprising a receptacle for said material having a discharge opening, a rotatably mounted propeller comprising a rim seated in said discharge opening, the blades of the propeller forming, when stationary, a substantially complete closure therefor, a vertical shaft driving said propeller, a driving motor carried by said receptacle, mechanical driving means interconnecting said motor and said shaft whereby said propeller is driven at a speed determined by the speed of operation of said motor, a feeding chamber mounted to receive material fed through said discharge opening by said propeller, and a gas injector means associated with said feeding chamber for picking up said material and feeding the same.

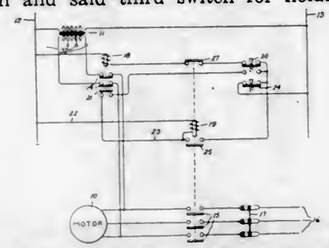
2,240,206
MEANS FOR ELIMINATING CORROSION IN ECONOMIZERS
William E. Caldwell, New Rochelle, N. Y.
Application June 21, 1939, Serial No. 280,271
3 Claims. (Cl. 122—379)



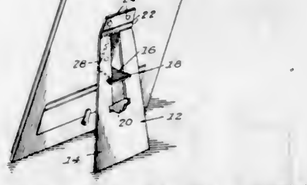
1. In a steam generating boiler arranged to receive feed water from an economizer supplied by a pump through a feed line having a flow regulating valve therein; a blow-down for said boiler; an eductor so connected to said blow-down and so associated with said feed water line as to utilize the energy of feed water to draw water from said boiler and introduce it into said feed line to flow through said economizer; and piping connecting said feed line at a point ahead of said eductor to the connection between the boiler blow down and said eductor for mixing feed water with water drawn from the boiler before it enters said eductor.

2,240,207
PROTECTIVE SYSTEM
Henry V. Crawford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 30, 1939, Serial No. 311,785
9 Claims. (Cl. 171—97)

9. The combination with an electric motor of conductor means for supplying a high voltage operating current for said motor, a switch for connecting said conductor means to said motor, a coil for operating said switch, a second conductor means electrically independent of said first conductor means, a low voltage transformer connected to said second conductor means, a second switch for connecting the secondary winding of said transformer to said motor to supply heating current to said motor, a second coil for operating said second switch, a two-position push button biased to a position to energize said second coil and movable to a position to deenergize said second coil and energize said first coil, a third normally closed switch in circuit with said second coil, an operating connection between said first switch and said third switch for holding said third switch open when said first switch is closed, and a fourth switch in circuit with said first coil operated by said second coil to its open position when said second coil is energized, a disconnecting switch for said motor, and an enclosing casing for said switches, said coils and said transformer arranged to be heated by the heat losses in said transformer.



2,240,208
MOUNT
Carroll N. Cross, Middleboro, Mass.
Application April 7, 1939, Serial No. 266,636
3 Claims. (Cl. 248—35)

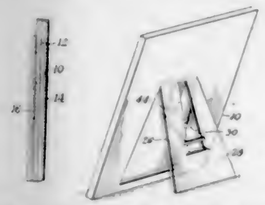


3. A display support or the like comprising a supporting body, a body supporting leg formed of yielding sheet stock and a locking tongue severed from the body of said leg along lines which converge from the bottom toward the top thereof, said tongue being integral with said leg at its upper end and free at its lower end, shoulders extending laterally from the free end of said tongue adapted to engage the face of said supporting leg to limit the movement thereof, means attaching said leg to said supporting body at a point above the upper extremity of said tongue, score lines extending across the face of said leg between said attaching means and the upper end of said tongue, means attaching said tongue to said supporting body at a point intermediate the ends of said leg, and score lines extending across the face of said locking tongue below said attaching means.

2,240,209
DISPLAY MOUNT
Carroll N. Cross, Middleboro, Mass.
Application April 13, 1939, Serial No. 267,712
5 Claims. (Cl. 40—152.1)

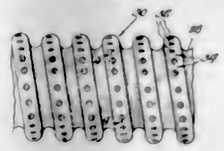
1. In a display mount or the like constructed of lightweight flexible stock, a backboard, a second board lying over the face of said backboard,

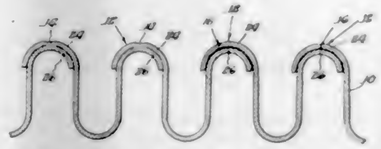
means joining said boards at at least two sides thereof, a unitary mount supporting easel member formed in said backboard for angular movement bout a line integrally joining said backboard and easel at one end of said easel and being adapted to lie in the plane of said backboard when



in inoperative position, a locking tongue formed from the body of said easel adapted to hold said easel member in mount supporting position, said locking tongue being integral with said backboard and lying against said second board and being supported thereby.

2,240,210
METAL TUBING
Albert Dreyer, Lucerne, Switzerland
Application September 23, 1940, Serial No. 358,033
In Switzerland September 12, 1939
5 Claims. (Cl. 299—104)

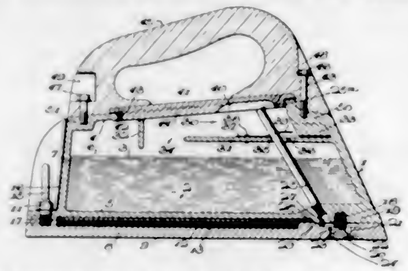




5. A flexible metal tubing for conducting fluids and the like comprising a spirally wound elongated profiled metal strip, the marginal edge portions of the strip being brought into juxtaposed relation to form a spiral seam, and the juxtaposed edges being intermittently secured together along the length of said seam, the spaces between the secured sections being so proportioned with respect to the strip stock as to provide fluid leakage passages through the seam along the length of the tubing.

2,240,211
ELECTRIC STEAMING IRON
Henry Vetemeyer Ekstedt, St. Louis, Mo., assignor to Ernest F. Pohl, St. Louis, Mo.
Application August 9, 1939, Serial No. 289,293
7 Claims. (Cl. 38—77)

4. In a self contained electric steaming iron including a hollow body forming a water reservoir and having a steam space in the upper portion thereof above the normal water level of the reservoir, said hollow body having an opening in its bottom, a shoe arranged at the bottom of the hollow body and having a lower pressing surface provided with an opening therethrough countersunk at the lower end and having a counterbore at the upper end communicating with said shoe opening and communicating with the said opening in the bottom of the hollow body, and a screw including a tapered head and a screw threaded shank, the shank passing through said opening in the shoe and through said counterbore and into a solid portion of said hollow body to secure the shoe to the latter, said screw head engaging the countersunk lower end of said shoe opening



and provided with a plurality of steam ports leading from one side of the head to the other side of the head, the shank of the screw being of lesser diameter than the diameter of said shoe opening, forming a steam space around the shank of the screw leading from said counterbore to said ports in the head of the screw so as to permit passage of steam to and through said steam ports in the head of the screw to the pressing surface of the shoe, and means for heating water in the reservoir to generate steam therein.

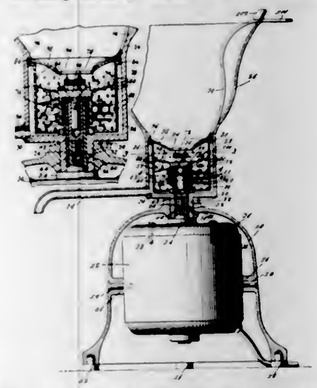
2,240,212
PITUITARY PRODUCT AND PROCESS OF PREPARING THE SAME
Edgar A. Ferguson, Jr., Brooklyn, N. Y.
No Drawing. Application February 28, 1939, Serial No. 259,060
3 Claims. (Cl. 167—74)

1. The process of preparing a therapeutic agent which comprises extracting a posterior lobe of the pituitary gland with an aqueous extraction solution to remove physiologically active components, stimulating the uterine muscles and increasing the blood pressure and soluble in dilute acid and dilute aqueous alkaline solutions, and then extracting the residue with an acid-alcohol extraction liquid to obtain an acid-alcohol liquid extract of different physiologically active substances substantially insoluble in the aqueous extraction liquid.

2,240,213
HOMOGENIZER
Herbert Fromm, Hamburg, Wis.
Application December 2, 1939, Serial No. 307,336
7 Claims. (Cl. 99—266)

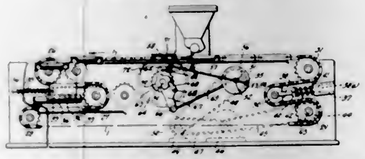
1. A homogenizer comprising a support, a vertical drive shaft, a bowl mounted on said support and provided with a vertical tube means at its bottom coaxially aligned with said drive shaft, said support being provided with a bore to receive a portion of said tube means, a perforated cage inside said bowl and spaced from the side walls of the bowl, a discharge spout carried by said bowl and communicating with the space between the cage and the side walls of said bowl, a fixed tube extending into said tube means and detachably connected with the latter for holding

the bowl assembled with said support, and a bladed homogenizing unit located inside said



cage and detachably connected with said drive shaft.

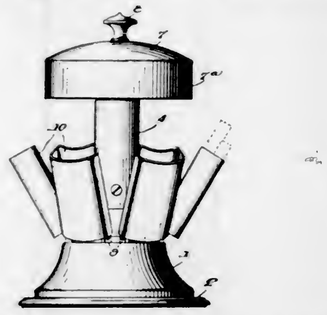
2,240,214
CONVEYER SYSTEM FOR THE MOLDS IN MACHINES FOR CASTING OR MOLDING CHOCOLATE OR LIKE MASSES
Max Heidelmeyer, Niedersedlitz, and Felix Becher, Dresden-Mockritz, Germany, assignors to the firm of J. M. Lehmann, Dresden, Germany
Application January 21, 1938, Serial No. 186,236
In Germany May 12, 1936
6 Claims. (Cl. 107—8)



1. In a molding apparatus for chocolates and the like in which a dispensing outlet for the material is provided and in which a conveyer carrying molds is continuously moved in the same direction at constant speed, the combination comprising a horizontally slidable slide, sprocket wheels mounted on said slide over which said conveyer passes so as to form the upper reach of a loop in the vicinity of said outlet and adjustable drive means for reciprocating said slide to produce an alternate acceleration and deceleration of said loop portion adjacent said outlet.

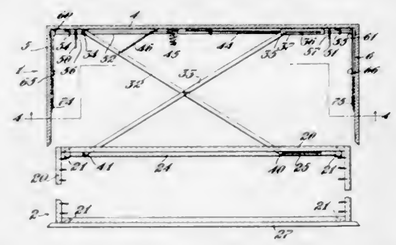
2,240,215
SERVING OR DISPENSING CONTAINER
Uriah Hutchinson, New York, N. Y.
Application December 18, 1939, Serial No. 309,904
6 Claims. (Cl. 312—73)

1. A device of the character described, comprising a base, a circular series of open top containers each pivotally mounted at its lower end on said base to swing outwardly and inwardly about a horizontal axis, means for simultaneously swinging said containers, the sides of said containers, when in their innermost position, being in substantial contact, and a vertically movable cover overlying the upper ends of said containers, said cover comprising a top portion which, when the cover is lowered, is spaced from said containers and a depending marginal flange portion embracing said containers, thus forming within said series of containers a substantially



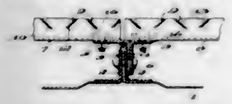
closed chamber communicating with the interior of each container.

2,240,216
COUCH BED
Gustave A. Johnson, Weymouth, Mass., assignor to New England Bedding Company, Medford, Mass., a corporation of Massachusetts
Application June 13, 1938, Serial No. 213,387
2 Claims. (Cl. 5—18)



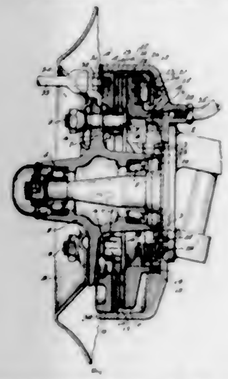
2. A couch bed comprising a stationary outer section, a movable inner section nestable within said outer section, equalizing links pivotally interconnected with each other between their ends and connected to said sections so as to guide the inner section rectilinearly to and from nested position, an actuating spring connected at one end with the stationary section and at its opposite end to the end of one of said links and operative to move the inner section from nested to extended position when outward movement has been initiated, but normally ineffective when said sections are in nested position due to the angle at which said spring acts on the link, a releasable catch for holding said inner section in nested position, means effective upon the release of said catch to initiate outward movement of said inner section thereby to permit said actuating spring to be brought into action, and a retracting spring connected at one end with the other of said links and at its opposite end with said outer section for counteracting the operation of said actuating spring only when said inner section approaches extended position, said counteracting spring being held under substantial tension by the sections when in extended position and tending to urge the inner section inwardly, but being ineffective completely to overcome the resistance to inward movement offered by the extended inner section and said actuating spring.

2,240,217
RUNNING BOARD
Charles S. Johnston, Chicago, Ill.
Application November 16, 1939, Serial No. 304,865
4 Claims. (Cl. 105—457)



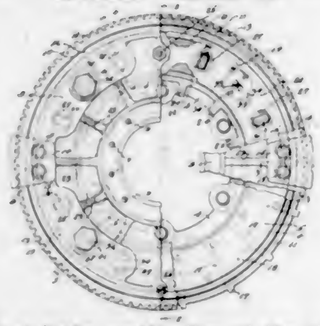
1. The improvement in metal running boards for railway car roofs consisting of a series of laterally spaced members adapted to extend longitudinally of the car roof, said members being respectively provided with substantially upright plate portions and the upper edges thereof having a plurality of inclined recesses, the recesses in each member respectively being in alignment with the recesses in the other members, the adjacent recesses in each of said members being oppositely inclined, and a plurality of transversely extending bars respectively disposed in said sets of aligned recesses, portions of said bars intervening between said members being disposed in substantially upright positions, the upper edges of said intervening portions being substantially coplanar with the upper edges of said longitudinal members to form tread surfaces and the width of the portions of the bars disposed in said recesses being less than the depth of the recesses so that the metal bounding the upper portions of the latter may be bent over the upper edges of the bars to retain said bars in fixed position.

2,240,218
BRAKE CONSTRUCTION
Homer T. Lambert, St. Joseph, Mich.
Application March 2, 1940, Serial No. 322,027
9 Claims. (Cl. 188—72)



1. In brake mechanism of the class described, the combination of a brake support, a rotary braking member associated therewith including a vehicle wheel, a relatively stationary brake member having threaded connection with said support and for adjustment of the stationary member relative to the rotary member, means for shifting one of said members into frictional contact with the other to produce braking effect, and means for rotating the stationary member on the support to adjust the same axially of the brake mechanism, said vehicle wheel constituting means for rotating the stationary member on the support to adjust the same.

2,240,219
BRAKE CONSTRUCTION
Homer T. Lambert, St. Joseph, Mich.
Application November 20, 1940, Serial No. 366,459
18 Claims. (Cl. 188—72)



1. In a brake construction of the class described, a stationary supporting disc-like member having an annular pressure cylinder formed in the wall thereof adjacent the periphery of said member, a relatively rotatable annular piston member disposed in said cylinder having an annular braking face, an apertured flanged relatively stationary brake disc adjustably secured to the stationary supporting disc, and having an annular braking surface disposed in spaced relation to said braking surface of said piston member, a rotary member to be braked interposed between the braking surfaces aforesaid, and camming means disposed in said cylinder between the stationary supporting disc and the annular piston and operable by the piston upon relative rotation between the same and the stationary supporting disc to move the brake piston toward said member to be braked and toward the braking surface of the flanged disc.

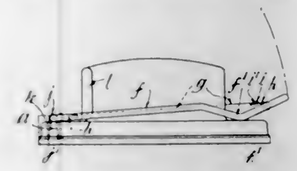
2,240,220
WATER CLOSET SEAT
Howard C. Leslie, Milton, Mass., assignor to B R E Manufacturing Co., Hyde Park, Mass., a corporation of Massachusetts
Application September 9, 1938, Serial No. 229,077
13 Claims. (Cl. 4—236)



1. A sanitary seat for a water closet having stationary posts to which the seat is removably secured by a seat bar and means for connecting said bar to the seat, and means for connecting said bar to said posts, such last-named means including a separable bearing carried by a post in which said seat bar is supported, the bearing being formed by a stationary portion and a movable portion, said last-named portion being supported by said post and movable relative to said post and said stationary portion.

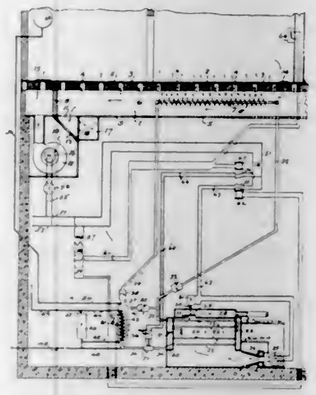
2,240,221
EGG AND LIKE SLICING APPLIANCE
Maurice Locker, Manchester, England
Application November 26, 1938, Serial No. 242,477
In Great Britain December 3, 1937
1 Claim. (Cl. 146—141)

An improved appliance for cutting hard boiled eggs, fruit and the like into slices, comprising a body of moulded material having a plurality of closely spaced ribs to support the article to be sliced, a cutting frame carrying similarly spaced taut cutting wires adapted to enter the spaces between the ribs, hinge means connecting the frame to the body permitting lateral and angular displacement of the frame and locating and guiding means to limit the lateral movement of the frame, the ribs being shaped at the entrances to the spaces between them so as to receive the wires in all permitted lateral positions of the



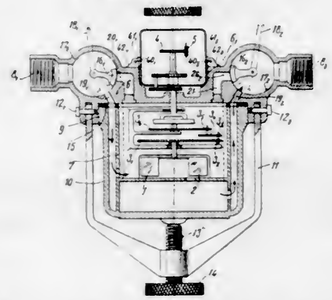
frame and guide the wires into said spaces and the hinge permitting angular movement of the frame after initial entry of the wires into the spaces to allow the ribs to align the wires as they pass down between them, the said locating and guiding means comprising lugs on the body with which the sides of the frame may engage prior to entry of the wires between the ribs, said guiding and locating lugs cooperating with the wire guiding means to position properly both the frame and the wires for causing the wires to move into spaces without undue strain and without fouling the body at the entrances to said spaces.

2,240,222
HEATING SYSTEM
John R. Monroe and John D. Monroe, Tacoma, Wash.
Application December 18, 1939, Serial No. 309,812
1 Claim. (Cl. 237—49)



In a heating system, the combination of a water heater; a floor; a series of cross-passages on the under side of the floor; a series of longitudinal passages under said cross passages and connected thereto; hot-water heating-pipes mounted in said longitudinal passages; pipes connecting said water heater with the heating-pipes, whereby the heated water is conducted to and from said heating-pipes and said heater; a motor-driven fan; an air receiving chamber for said fan; a connection between said longitudinal passages and said air receiving chamber; a fresh air conduit leading to said air receiving chamber; a controlled doorway between said fresh air conduit and said air receiving chamber, whereby a controlled quantity of fresh air may be circulated by said fan with the air from the longitudinal passages; a delivery register in the floor; and a passage connected with the delivery side of said fan and with the delivery register whereby, when said motor-driven fan is operated, fresh air is drawn from the conduit and delivered above the floor.

2,240,223
METER FOR LIQUIDS
Bernard Gabriel Marie Muselier, Paris, France, assignor to Jean Faure Herman, Boulogne-sur-Seine, France
Application October 4, 1938, Serial No. 233,145
In France January 11, 1938
4 Claims. (Cl. 73—201)



1. In a liquid meter, flow responsive rotatable means, inlet and outlet connections, a pair of two-way distributing valves each comprising an adjustable gate and each having a free port respectively communicating with said inlet and outlet connections and further having a pair of controlled ports which may be opened or closed by said gate, said flow responsive means being connected to a first controlled port of each of said valves, an annular by-pass member provided with a central recess and further provided with a by-pass channel in the annular wall surrounding said recess, said by-pass channel being connected between the second controlled ports of each of said valves, a counter mechanism mounted in said central recess, and coupling means for operatively coupling said flow responsive rotatable means to said counter mechanism.

2,240,224
ORCHARD HEATER
William E. Nance and James B. Stone, Redlands, Calif.
Application July 3, 1937, Serial No. 151,908
5 Claims. (Cl. 158—91)

1. An orchard heater of the type described for burning oil, a receptacle for containing oil, said receptacle having an open top, a collar detachably mounted on said receptacle, a cover detachably mounted on said collar and having a discharge aperture therein for a stack, and a stack mounted on and extending upwardly from said cover, said collar incorporating means for supplying air for combustion into the space defined by said receptacle, collar, and cover, the upper edge of said receptacle and the lower edge of

said cover being so shaped and dimensioned as to be detachably connectible directly together



whereby the heater may be used either with or without said collar.

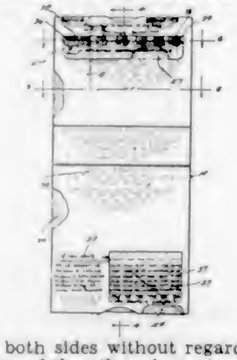
2,240,225
GARMENT OR LIKE HOOK
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application January 23, 1939, Serial No. 252,447
2 Claims. (Cl. 248—217)



2. A one-piece wire garment or like hook having an arm formed from a portion of the wire, one end of said wire being bent to form a hook for passage through an aperture in a support to engage the rear wall of the support, the other end of said wire being bent to form a loop disposed in a plane substantially perpendicular to said arm for bearing engagement with the support below the aperture, said last mentioned end being further bent to provide a yieldable end portion normally spaced from a portion of said hook a distance greater than the diameter of said aperture to resiliently engage the aperture wall at a point substantially diametrically opposite the hook portion in order to maintain the engagement of said hook with the support.

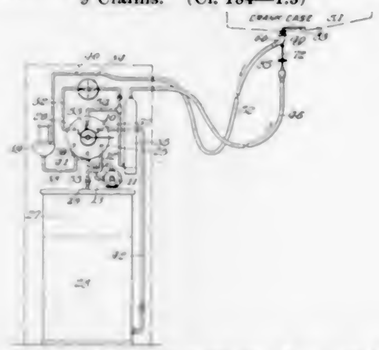
2,240,226
COMBINATION CALCULATOR
Ralph P. Ross, Dallas, Tex.
Application April 27, 1940, Serial No. 332,082
13 Claims. (Cl. 35—24)

13. In a data viewing device, a housing and a pair of shiftable elements adapted to be carried within said housing, said housing being formed with two separated compartments therein open at opposite ends from each other and each adapted to house one of said shiftable elements, said compartments being each formed with window openings for viewing selective data on said shiftable elements, and said window openings being so arranged that either shiftable element may be



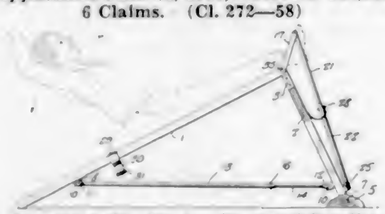
viewed on both sides without regard to the specific position of the other element.

2,240,227
APPARATUS FOR CLEANING LUBRICANT RECEPTACLES
George E. Saussure, Pittsburgh, Pa.
Application March 22, 1938, Serial No. 197,430
9 Claims. (Cl. 184—1.5)



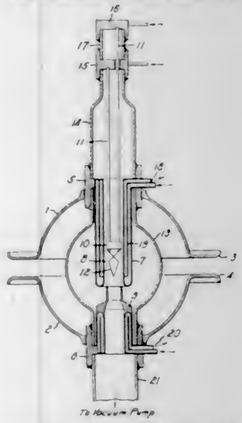
1. An adapter for connection with the drain opening of a lubricant receptacle, said adapter having fluid inlet means and fluid outlet means, one of said means being insertable through said drain opening and being rotatably adjustable about and in concentric spaced relation to the other.

2,240,228
ADJUSTABLE ABDOMINAL EXERCISING APPARATUS
Myron R. Schall, Sacramento, Calif.
Application June 24, 1940, Serial No. 342,146
6 Claims. (Cl. 272—58)



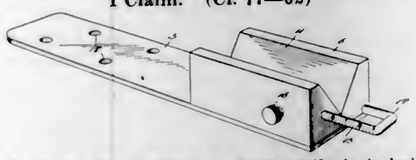
1. An apparatus for use in exercising the abdomen of the user, comprising a relatively long board like section for the user to initially rest thereon, a second section hingedly connected to the first section for supporting the latter and for disposal of both sections in converging relation from the floor, bracing means secured to and disposed between the sections and being adjustable to vary the inclination of the sections, means for holding the sections in adjusted positions, means whereby the user can be anchored to the apparatus to allow swinging movement of at least one portion of the body of the user from the hips, and floor engaging runners pivotally connected to the side edges of the second section adjacent to the lower ends thereof.

2,240,229
HIGH FREQUENCY OSCILLATOR
Otto Schärli, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application January 19, 1940, Serial No. 314,718
In Switzerland January 25, 1939
13 Claims. (Cl. 250—36)



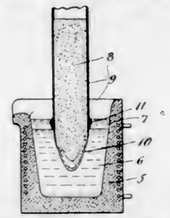
1. An oscillation generator of the type comprising two semi-spherical shells, means extending axially of and coupling said shells to form a hollow chamber resonator, and an electron tube having the elements thereof within said shells, characterized by the fact that the grid element and anode element of said tube constitute said axially extending means coupling the shells.

2,240,230
V BLOCK
Harold R. Schlichting, Broad Brook, Conn.
Application March 26, 1940, Serial No. 326,096
1 Claim. (Cl. 77—62)



A device for holding a shaft while it is being drilled comprising a base plate having a hole in one end portion thereof, a block secured to the base plate at said end portion and having a longitudinally extending V-shaped groove in its top portion, said block having a drill bit receiving hole therein passing from the bottom of the groove through the bottom of the block and in register with the hole in the plate, said block having a longitudinally extending hole therein placed to one side of the groove, a graduated rod slidably arranged in the longitudinally extending hole and having its outer end of substantially U-shape with the free end of the free limb of the U-shaped part adapted to contact the end of a shaft placed in the groove of the block and a set screw in the block for holding the rod in adjusted position, that part of the base plate not covered by the block having a plurality of spaced holes therein for receiving fastening means for fastening the device to a supporting member after the device has been adjusted to place the hole in the block in position to receive the bit.

2,240,231
PRODUCTION OF ALLOYS OF CHROMIUM AND SIMILAR METALS
Bertil Stålhane, Stockholm, Sweden
Application December 26, 1939, Serial No. 311,015
In Sweden January 19, 1939
9 Claims. (Cl. 75—10)



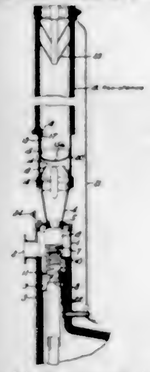
1. In the manufacture of metals and alloys containing chromium, molybdenum, tungsten, manganese and the like wherein an oxide of such a metal is reduced to metal by reaction with a metallic reducing agent, the process which comprises pulverizing and mixing together a material rich in the oxide of the metal to be produced and a metallic reducing agent, forming the resulting mixture into a coherent column, introducing one end of said column into a bath of molten metal maintained at a temperature sufficiently high to produce a reaction between said metal oxide and said reducing agent, said column being introduced beneath the surface of said molten metal, and feeding said column downwardly into said bath as it is consumed, whereby the molten metal obtained as a result of the reaction between said metallic oxide and said reducing agent becomes part of said metal bath while the slag formed rises to the surface of the bath.

2,240,232
PROCESS OF EXTRACTING OIL
Harden F. Taylor and Robert H. Bedford, New York, N. Y., assignors to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 6, 1938, Serial No. 217,729
9 Claims. (Cl. 260—412.1)

1. A method of extracting oil from mammalian and fish viscera which comprises treating the selected viscera in a disintegrated state at an elevated temperature with an aqueous solution containing an alkali to digest the oil-containing tissue of said viscera and neutralize the fatty acids, cooling the resulting mass, adding an oil solvent to the cooled mass, producing an emulsion of said mass wherein the solution of oil and solvent is

in the dispersed phase, breaking the emulsion, removing the soap and viscera particles obtained when the emulsion is broken from the solution of oil in solvent, and separating the oil from the solvent.

2,240,233
GAS BLAST CIRCUIT BREAKER
Hans Thommen, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application February 7, 1940, Serial No. 317,752
In Germany November 17, 1938
3 Claims. (Cl. 200—148)



1. In a fluid blast circuit breaker including an arcing chamber having a nozzle contact and a pressure operated movable contact cooperating therewith, means for introducing fluid under pressure into said arcing chamber, a discharge chamber leading from said nozzle contact, an auxiliary electrode coaxially of said nozzle contact and electrically connected to the same, means for throttling the passage through said discharge chamber comprising a throttling electrode disposed in said discharge chamber and positioned to form a spark gap with said auxiliary electrode, and a protective resistance connected across said throttling electrode and said movable contact.

2,240,234
CALCULATING MACHINE
Edward C. Walter, Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application May 28, 1940, Serial No. 337,702
2 Claims. (Cl. 235—138)

1. A calculating machine, having differential actuators, numeral wheels, intermediate gears related to said wheels and to said actuators, and tens carrying mechanism including devices individually settable by the related lower order numeral wheel, and a rotary unit having mounted for rotation therewith two opposed primary spiral series of elements, each series being continued beyond an element common to both series to form converging and diverging spiral portions and the elements of one or the other series according to the direction of rotation of said unit being respectively engageable with the related settable device and thereby adjustable to engage the gear related to the higher order numeral wheel, and restoring means for said settable devices; in combination with other differential actuators located opposite said common element and adjacent elements of the diverging portions of said spirals, and intermediate gears and settable devices related thereto, said rotary unit having mounted for rotation therewith two opposed secondary series of elements, each series being located circumferentially opposite said common element and adjacent elements and forming therewith two short



converging series, the restoring means for the settable devices related to said common element and adjacent elements being located between each of said two short converging series and serving also to restore the settable devices related to the members of said secondary series.

2,240,235
UTILITY HOOK FOR FISHERMEN
Martin Whan, McCloud, Calif.
Application July 8, 1940, Serial No. 344,424
1 Claim. (Cl. 24—237)

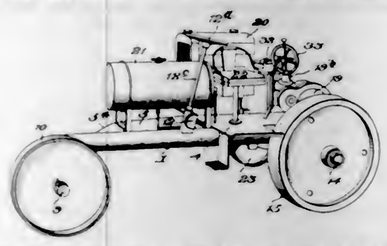


A device for connecting a fish hook or lure to a line, said device being formed of a single piece of wire and comprising a U-shaped part, one limb of which forms a shank and the other limb a bill with the shank longer than the bill, an outwardly extending hook at the upper end of the bill, an eye formed at the upper end of the shank, a short twisted part on the upper end of the shank immediately below the eye and a right angular straight part extending toward the hook end of the bill at the lower end of the twisted part and having a hook at its free end for receiving the hooked part of the bill when the device is closed.

2,240,236
TRENCH ROLLER
Andrew W. Aitken, Springfield, Ohio, assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application January 8, 1940, Serial No. 313,012
8 Claims. (Cl. 61—63)

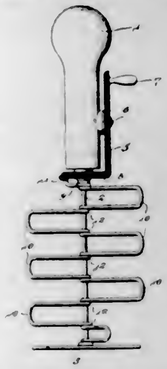
1. In a trench roller, a frame comprising a relatively long heavy torsion-resisting tube forming one side member of the frame; a plurality of cross beams extending laterally from said tube adjacent its rear end; a longitudinal member connecting the outer ends of said cross beams and forming the opposite side member of the frame; a platform on said cross beams; a plate connected with the foremost cross beam and with the tube and forming a continuation of

said platform extending substantially to the front end of the tube; a steering roll bracketed to the front end of said tube; means adjacent said platform for steering said roll; a drive roll in substantial alignment with the steering roll brack-



eted to the rear end of said tube; means including a prime mover on said platform for driving said drive roll; a ground wheel adjustably supporting the opposite side member of the frame; and means adjacent the platform for adjusting said wheel.

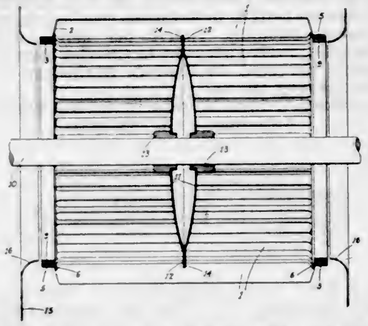
2,240,237
POTATO MASHER AND FLUFFER
Selma Anderson, Tacoma, Wash.
Application April 3, 1939, Serial No. 265,732
1 Claim. (Cl. 259—135)



An article of the class described, comprising a vertical handle, having a knob at its upper end; a single fixed stem extending centrally down therefrom; a fluffer comprising a unitary wire looped at intervals around said stem and extending laterally therefrom between said loops to form fluffing arms; means for rotating said fluffer on said stem; and a horizontal masher integral with said stem and centrally arranged on the lower end thereof and coacting with said fluffer to hold said fluffer in engagement with said rotating means.

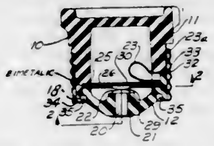
2,240,238
IMPELLER MOUNTING ASSEMBLY
Albert L. Baker, Sacramento, Calif.
Application February 27, 1939, Serial No. 258,594
5 Claims. (Cl. 230—134)

1. A blower impeller comprising a plurality of relatively long vanes, end flanges projecting longitudinally out from the vanes substantially in line with the radially innermost edges of the vanes, initially straight bendable bands of U shaped form in cross section into which the flanges project in abutting relation and endless circular bands about which said first named



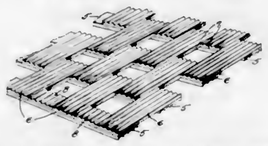
bands are bent in contacting relationship and on which they are secured.

2,240,239
ELECTRIC FUSE
Herbert E. Brannon, Detroit, Mich.
Application October 10, 1938, Serial No. 234,190
12 Claims. (Cl. 200—113)



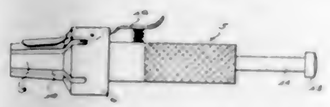
6. A circuit breaker comprising a shell, two spaced contacts supported by a wall of said shell, a laminated metal resistor comprising a central portion and a plurality of arms extending radially outwardly therefrom, said resistor being mounted within the shell and supported thereon solely by the extremities of said arms for limited movement of the latter in the plane of the resistor, the central portion of the resistor being adapted to engage one of said contacts, and means connecting the extremities of the arms of the resistor to the other contact.

2,240,240
MAT
Oscar Brockman, Louisville, Ky.
Application April 1, 1940, Serial No. 327,297
1 Claim. (Cl. 15—238)



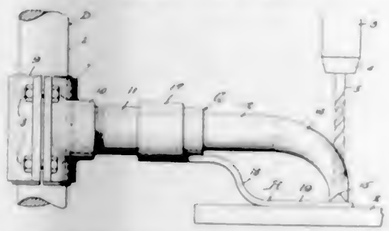
A mat construction comprising flexible strip material, a plurality of longitudinal strips spaced apart and disposed the full extent of the mat area in one direction, transverse strips joining the longitudinal strips, and disposed in rows, each transverse strip extending across the width of adjacent long strips and spanning the space therebetween, the rows of transverse strips being juxtaposed with the strips of adjacent rows respectively joining the alternately adjacent long strips.

2,240,241
HAIR CURLER
Earl W. Carper, Parkersburg, W. Va., assignor of twelve per cent to D. F. Zirkle, twelve per cent to Warren Shouldis, twelve per cent to J. C. Shouldis, twelve per cent to Charles Board, and twelve per cent to Paul C. Stalnaker, all of Parkersburg, W. Va.
Application June 10, 1939, Serial No. 278,535
5 Claims. (Cl. 132—33)



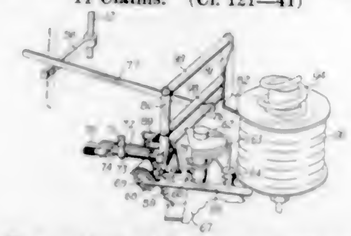
1. A hair curler comprising a substantially conical mandrel for curling hair wound thereon, an enlarged rear end head of cylindrical form on said mandrel arranged axially thereof and having a front face forming a shoulder around said mandrel for preventing winding of the hair past said end thereof, a cylindrical handle extending axially from the rear of said head, said mandrel and head having a longitudinal diametrical slot therein forming a guideway extending at its inner end into said head, an ejector for removing the wound hair forwardly off said mandrel comprising a plunger slidable in said head and handle for endwise advance and retraction axially thereof, a cross-head on the front end of said plunger for advance and retraction in said guideway under operation of the plunger, said cross-head being constructed and arranged to extend laterally out of said guideway at opposite sides of the mandrel to remove the hair therefrom, said cross-head fitting into the inner end of said guideway and into said head when fully retracted to locate the same in the rear of said mandrel and thereby prevent tangling of the hair on the mandrel therewith, and means to releasably clamp the hair to said mandrel.

2,240,242
DRILL PRESS WORK CLAMP
William P. Cole, Tullahoma, Tenn.
Application September 30, 1940, Serial No. 359,132
3 Claims. (Cl. 77—63)



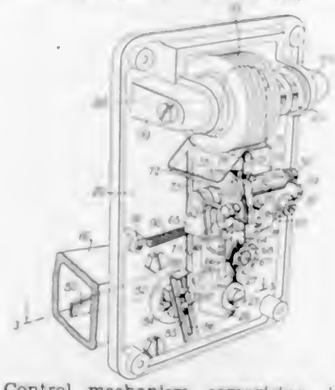
1. In a work holder of the class described, a work grip including a carrier shaped for adjustment longitudinally of a support, a guide on the carrier, an arm mounted on the guide for adjustment in a direction substantially at right angles to the direction in which the carrier is adjustable, the arm terminating in transversely spaced, work-engaging fingers extended into approximate parallelism to the direction in which the carrier is adjustable, the fingers being provided terminally with work-receiving seats which are extended transversely of the fingers and are located in line.

2,240,243
CONTROL MECHANISM
Clesson E. Mason, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application December 3, 1937, Serial No. 177,933
11 Claims. (Cl. 121—41)



1. In a control mechanism for positioning a movable element, the combination of a pneumatic motor for actuating the element, means for supplying pressure air to the motor at such pressure values as may be necessary to position the element in proportional correspondence with a control force including a control couple of the nozzle and flapper type, angularly related members movable together in response to element position about a common axis which axis is positionable in accordance with the control force, one of the members being adapted to engage the flapper to position the same with reference to the nozzle, and means for adjusting the angular relation of said members.

2,240,244
CONTROL MECHANISM
Lyman Cook, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application September 1, 1938, Serial No. 227,990
13 Claims. (Cl. 121—41)



1. Control mechanism comprising, in combination, an element to be positioned, a pneumatic motor for actuating the element, a pressure air line to the motor, a control head in the line, a control couple of the nozzle and pivoted flapper type operatively related to the control head, a movement assembly including an arm pivoted at one end to turn about a movable axis and having its other end freely positionable, means for establishing frictionlessly the position of the pivoting axis of the arm in proportional correspondence with a control force, means for positioning the free end of the arm in proportional correspondence with the position of the element being positioned comprising a bell-crank assembly including spaced levers turnable about a fixed axis, one lever operatively following the position of the element and actuating the other lever to a position in correspondence therewith, and means urging the free end of the movement assembly arm into engagement with the other lever of the bell-crank assembly, the movement assembly including a second arm movable with the first arm and having its free end engaging the flapper intermediate its pivot and the nozzle and operative to position the flapper with reference to the nozzle.

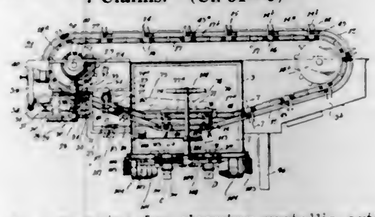
2,240,245
BAG FOR PRESERVING FOODSTUFFS AND METHOD OF MAKING
Henri Marie Joseph Tyrel de Poix, Rueil, France, assignor to Dewey and Almy Chemical Company, Cambridge, Mass., a corporation of Massachusetts
Application June 7, 1938, Serial No. 212,359
In France June 22, 1937
7 Claims. (Cl. 18—47.5)



1. The process of producing envelopes suitable for protecting meat and other foodstuffs during cold-storage which includes forming an unvulcanized rubber envelope having much smaller dimensions than the foodstuff to be protected and then distending the unvulcanized envelope to such a degree that the envelope is rendered physically unstable to a rise in temperature.

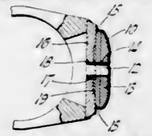
6. A bag or container suitable for enclosing meat and other foodstuffs formed essentially of unvulcanized rubber, said rubber being in stretched condition and capable of shrinking materially when heated.

2,240,246
APPARATUS FOR CLEANING METAL ARTICLES
Charles H. Hammell, Mishawaka, Ind., assignor to American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application June 12, 1939, Serial No. 278,643
7 Claims. (Cl. 51—9)



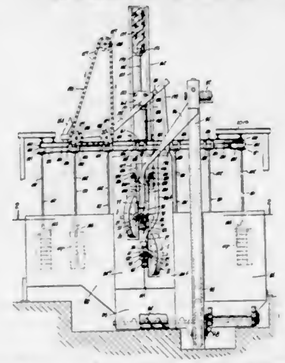
1. An apparatus for cleaning metallic articles including in combination, a track, an abrasive projector disposed adjacent thereto, a plurality of trolley units disposed on said track each carrying a spindle on which the articles to be cleaned are adapted to be mounted, a conveyor having yokes disposed thereon engaging said spindles for moving the trolley units along said track on actuation of said conveyor, a spinner head disposed above said track at a point adjacent said projector, said head having means for engaging said spindles when they arrive separately at said point, means for rotating said spindle engaging head, and cam means for automatically modifying the movement of said spindle-rotating means to impart variable speeds of rotation to said spindles.

2,240,247
JEWELRY
Harry E. Krieke, Buffalo, N. Y., assignor to Melvin A. Reich, Buffalo, N. Y.
Application July 18, 1940, Serial No. 346,134
4 Claims. (Cl. 63—26)



1. An article of jewelry comprising a base piece, a metal piece provided with an appropriate design on its upper surface and hollowed out on its under surface, a piece of plastic material fitting snugly into the hollowed portion of said metal piece, said plastic piece projecting beyond the lower edge of said metal piece and sloping inwardly from said lower edge, and a post attached to said metal piece and passing successively through said plastic piece and said base piece and flared outwardly on the under surface of said base piece.

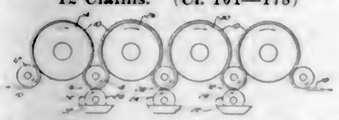
2,240,248
APPARATUS FOR ABRASIVELY TREATING METAL CASTINGS, FORGINGS, AND THE LIKE
David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application February 17, 1938, Serial No. 190,924
21 Claims. (Cl. 51—9)



4. Apparatus for abrasively cleaning metal castings, forgings and like metal articles comprising means for establishing a stream of abrasive particles, means for advancing an article into

said stream including a carrier from which the article is suspended, means including a track for supporting and guiding said carrier, a traveling mechanism for driving said carrier, means for elevating said carrier and the article suspended therefrom when said article is in said stream, and means cooperating with said traveling mechanism for actuating said elevating means in timed relation with said driving means.

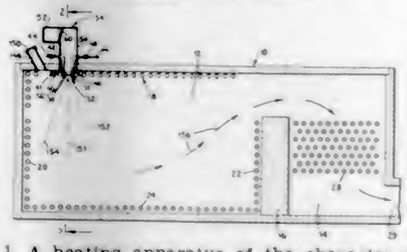
2,240,249
TEXTILE PRINTING PRESS
Arthur M. Wickwire, Jr., Mountain Lakes, N. J., assignor to Champlain Corporation, Garfield, N. J., a corporation of New York
Application July 6, 1940, Serial No. 344,212
12 Claims. (Cl. 101—178)



1. A multi-color press for printing webs of textile fabrics, comprising a plurality of spaced printing couples, each couple including an impression cylinder and a printing cylinder; transfer rollers disposed between said printing couples in operative contact with the impression cylinders of each adjacent printing couple, said transfer rollers having a continuous and uninterrupted supporting surface for the web; and means for guiding a backing web over each transfer roller and beneath the adjacent printing couple.

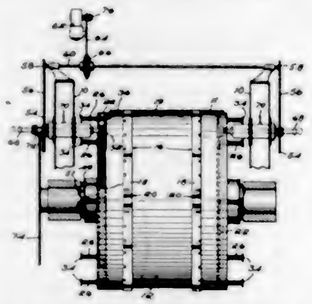
8. A multi-color press for printing webs of textile fabrics, comprising a plurality of spaced printing couples, each printing couple including an impression cylinder, a printing cylinder, and means for applying marking material to said printing cylinder; means for maintaining a continuous, positive and moving support for the web between said printing couples, such supporting means being adapted to move at the same speed as the web and having a web contacting surface; and means for cleaning said web contacting surface.

2,240,250
APPARATUS FOR BURNING FUELS
Albert L. Baker, Summit, N. J., assignor to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware
Application December 17, 1937, Serial No. 180,277
4 Claims. (Cl. 158—1)



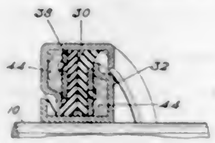
1. A heating apparatus of the character described including a combustion chamber, a burner for said combustion chamber and comprising spaced substantially parallel nozzle members, each of said nozzle members being provided with a series of orifices through which fuel streams pass into said combustion chamber where they intersect when said orifices are directly opposite each other, means for supplying air for burning the fuel, and means for moving one of said nozzle members longitudinally of the other to offset one series of orifices with respect to the other whereby the fuel streams from said orifices will be offset and will pass each other in opposite directions in said combustion chamber to produce a shorter flame than a flame produced by having the orifices of said nozzle members directly opposite each other.

2,240,251
VULCANIZING MACHINE
Walter J. Baker, West Somerville, and William C. Bleher, West Roxbury, Mass., assignors to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application June 29, 1940, Serial No. 343,244
11 Claims. (Cl. 18—6)



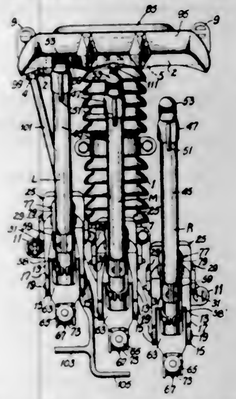
10. In a vulcanizing machine, a rotary vulcanizing drum, a tension band cooperating therewith, circumferential rings adjustable on the drum surface to provide a channel of variable width under the tension band, a circular abutment located axially outside each ring, a series of adjusting devices for the abutments relatively spaced about the drum, and means for simultaneously operating all of said adjusting devices.

2,240,252
OIL SEAL WITH ROTATABLE INNER SHELL
Wilburn F. Bernstein, Brookfield, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application January 28, 1939, Serial No. 253,326
3 Claims. (Cl. 288—3)



1. A unit fluid seal for sealing a rotatable shaft and its surrounding housing against the passage or escape of lubricants and other fluids, comprising a pair of annular, opposed channel-shaped sections one of which is mounted upon the shaft and the other secured within the housing whereby said sections rotate relative to each other, and a sealing element mounted in each section in juxtaposition and provided with a sealing lip in wiping contact with the interior of the opposed channel.

2,240,253
ELECTRIC SWITCH
Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application March 9, 1938, Serial No. 194,791
5 Claims. (Cl. 200—126)



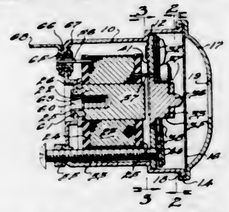
2. A fuse switch comprising a lower line contact, a plurality of receiving sockets being descendingly positioned thereon, collapsible fuse holders, fuse links therein normally supporting said holders against collapse, said holders being applicable to said sockets and rotatable into normal positions, means for resiliently maintaining said holders in said normal positions, a second line terminal normally biased toward the fuse holders and contacting one of the same, said fuse holders when a fuse blows therein being adapted to collapse and to move away from said biased line terminal, said line terminal biasing to contact another fuse holder, a movable latch having means adapted temporarily to support said line terminal when a fuse holder collapses away therefrom, and means whereby said latch releases said line terminal to effect contact between the biased contact and the next fuse holder after the collapsed fuse holder moves to an open circuit position.

2,240,254
BUILDING MATERIAL
Henry Seymour Colton, Shaker Heights, Ohio
No Drawing. Application May 26, 1939, Serial No. 275,913
11 Claims. (Cl. 106—29)

1. A composition of matter adapted to be pressed and dried for the production of building material, comprising a joint precipitate of calcium sulphate and ferrous hydroxide together with a small proportion of a solid in colloidal water suspension intimately commingled with said precipitate.

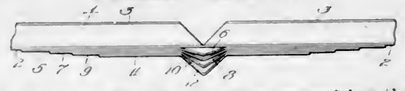
2,240,255
HORN
William C. Crimmins, Marion, Ind., assignor to Delta Electric Company, Marion, Ind., a corporation of Indiana
Application September 9, 1938, Serial No. 229,161
2 Claims. (Cl. 177—7)

1. In a horn construction, a cup shaped cylindrical casing containing and closely confining an electro-magnet having a stationary core positioned on the axis of the cup-shaped casing, said casing having an annular outwardly turned flange adjacent the open end thereof, a flexible diaphragm seated against said flange and closing the cup-shaped casing, a stationary plate positioned in a transverse plane located between the core and diaphragm and having a central opening, an armature for operating the diaphragm positioned for movement within the plate opening and adjacent the end of the core piece, said plate serving to conduct the external flux of the electro-magnet to the armature, and a circuit interrupter for said electro-magnet comprising an adjustable contact



member secured to said plate, and extending arcuately around said plate opening, an arcuate flexible contact finger secured to the inner side of said plate and having a portion overlapping and normally in electrical contact with said adjustable contact member, and interengageable means on said finger and armature for causing the armature as it moves toward said core to deflect said finger and separate said contacting portions of the member and finger to thereby break the electro-magnet circuit.

2,240,256
BOX AND CORNER CONSTRUCTION THEREFOR
Armin Elmendorf, Winnetka, Ill.
Application December 5, 1938, Serial No. 243,966
2 Claims. (Cl. 229—49)

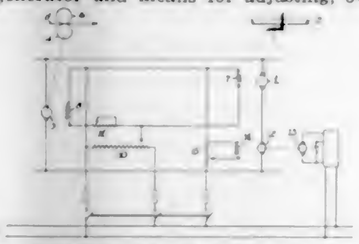


1. A corner-forming member comprising three or more sheets of thick paper overlying each other, each sheet being wider than the sheet on one side thereof and narrower than the sheet on the other side and the sheets being symmetrically disposed with respect to a central longitudinal line, the sheets engaging each other throughout their lengths and widths when said member is bent along said longitudinal line to bring the two halves thereof at a predetermined angle to each other, and said sheets being bonded together except for a longitudinal strip extending across the same at the center.

2,240,257
FEED ROLLER FOR PRINTING AND LIKE MACHINERY
William Gibson, Sideup, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England
Application November 25, 1938, Serial No. 242,324
In Great Britain November 26, 1937
4 Claims. (Cl. 271—2.3)

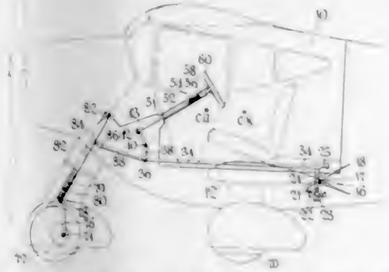
1. In a printing press or other web-handling machinery, a main driving shaft, a web feed roller, and a driving arrangement for said web feed roller, said driving arrangement comprising in combination an electrical generator positively driven by said main driving shaft, an electrical motor energized by said generator and positively

driving said roller, means for supplying a substantially constant additional voltage to said motor irrespective of the speed of the latter and of the generator and means for adjusting, over a



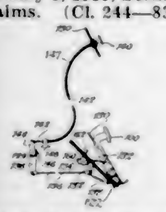
range extending substantially to unity, the ratio under working conditions between the E. M. F. of said generator and the back E. M. F. of said motor.

2,240,258
AIRCRAFT
Joseph M. Gwinn, Jr., Buffalo, N. Y.
Application June 22, 1937, Serial No. 149,660
4 Claims. (Cl. 244—100)



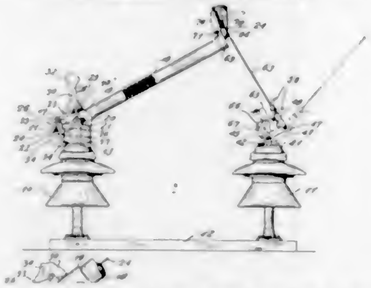
1. In an airplane, earth surface supporting means including a directionally fixed element and a steerable element, said directionally fixed element being located longitudinally of said airplane at a position substantially under the location of the center of pressure of side forces in yaw upon the airplane prior to stalling in yaw.

2,240,259
AIRCRAFT
Joseph M. Gwinn, Jr., Buffalo, N. Y.
Application February 3, 1938, Serial No. 188,532
15 Claims. (Cl. 244—83)



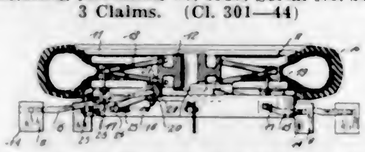
15. In an airplane, an engine throttle control means including a spring and a control member operably connected to said spring and movable by the pilot toward increasingly greater throttle open positions against the action of said spring, a second control member, a wing lift characteristic changing means operably connected to said second control member and adapted to be adjusted in response to pilot manipulation of said second control member, and means responsive to actuation of said wing lift characteristic changing means toward a high lift condition to positively actuate said engine throttle control means toward throttle closed condition.

2,240,260
HIGH TENSION FUSE CONSTRUCTION
Lester C. Hart, Cleveland, Ohio, assignor to Hi-Voltage Equipment Company, Cleveland, Ohio, a corporation of Pennsylvania
Application March 30, 1939, Serial No. 264,999
10 Claims. (Cl. 200—114)



1. In apparatus of the class described, the combination of a pair of terminal members, a tube closed at one end and open at the other and having its closed end mounted on one of said terminal members, a bracket mounted on the open end of said tube, a post on said bracket, a fuse link extending through said tube and having a fusible section at the closed end of the tube electrically connected with the last-mentioned terminal member, said link extending from the open end of said tube and being loosely attached to said post, an arm pivotally mounted on said bracket and engaging said link at a point between the open end of said tube and the connection of the link with said post, means normally exerting a force on said arm which tends to swing the arm away from the open end of said tube, and means forming an electrical connection between said bracket and the other of said terminal members.

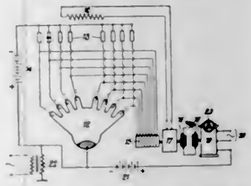
2,240,261
TRACTION DEVICE
Frederick G. Hodell, Gates Mills, Ohio, assignor to The Hodell Chain Company, Cleveland, Ohio, a corporation of Ohio
Application November 16, 1938, Serial No. 240,803
3 Claims. (Cl. 301—44)



1. A traction device of the character described for a pneumatic tire tractor drive wheel comprising a supporting member having an aperture therein, means adapted to secure said supporting member to one side of a pneumatic tired tractor drive wheel adjacent to the rim of the wheel with said aperture extending radially of the wheel, an annular supporting member having an aperture

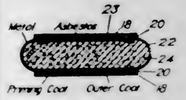
therein, means separate and apart from the first named means adapted to secure said annular supporting member to the wheel adjacent to the hub thereof with said aperture extending radially of the wheel and aligned with the aperture in the first named supporting member, a tread member having a rod-like shank adapted to be projected through the aperture in the first named supporting member and into the aperture in the second named supporting member and an enlarged head adapted to project radially beyond the pneumatic tire of the tractor wheel when assembled with said wheel, and means adapted to detachably secure said tread member in assembled relationship with said supporting members against movement radially of the wheel during operation.

2,240,262
POWER GENERATING SYSTEM
Hermann Honnef, Berlin, and Heinrich Geffcken, Berlin-Charlottenburg, Germany
Application September 24, 1937, Serial No. 165,498
In Germany September 21, 1936
6 Claims. (Cl. 172—237)



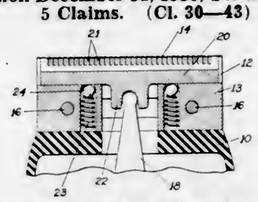
1. In a wind-driven generating system, a wind generator including armature circuits for generating a plurality of alternating currents in displaced overlapping phase relation, a rectifier having a cathode and a plurality of anodes in which said circuits are terminated, respectively, a transformer having its primary winding connected between said cathode and a terminal common to said armature circuits, each armature circuit extending from said common terminal to its associated anode, a plurality of grids in said rectifier, and means including a constant frequency source and commutating devices operated in synchronism with said source and said wind generator, respectively, for controlling the potentials on said grids to produce a constant frequency output in said secondary winding regardless of variations in the speed of the said wind generator.

2,240,263
COMPOSITE SEALING STRUCTURE
Stephen M. Lillis, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application March 1, 1938, Serial No. 193,335
3 Claims. (Cl. 288—26)



1. A gasket structure comprising a layer of asbestos, a sheet metal covering for the asbestos, and a sealing covering for the metal including an inner layer of a plastic material containing cellulose nitrate and a plasticizing resin, and a non-adhesive outer layer substantially of cellulose acetate.

2,240,264
SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application December 31, 1936, Serial No. 118,610
5 Claims. (Cl. 30—43)



1. An implement of the class described including a guard having two separate series of shearing teeth therein, one being offset with respect to the other, and a relatively movable cutter having teeth so related to those of the guard that one series of teeth is always opening when the other series is being closed by the movement of the cutter.

2,240,265
METHOD OF CONTINUOUSLY TIN PLATING FERROUS METAL STOCK
John S. Nachtman, Beaver, Pa.
Application March 30, 1937, Serial No. 133,911
5 Claims. (Cl. 204—28)

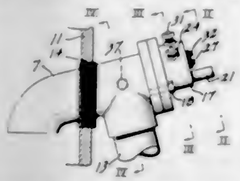


1. In a method of making a bright tin electroplated continuous metal strip, the steps of wet mechanically cleaning the surfaces of a continuously moving tensioned strip by passing the strip in slightly arcuate paths, brushing under pressure first one convex arcuate surface on one side and then another convex arcuate surface on the other side of the continuously moving tensioned strip, maintaining said arcuate surfaces by backing up the strip against the brushing elements, and spraying the strip while brushing; then immediately passing the strip into an electrolyte and electroplating the continuously moving strip with tin, then removing electrolyte from the continuously moving electroplated strip surfaces, and brightening the continuously moving electroplated surfaces by subjecting the same to a medium maintained at a temperature sufficient to alloy the tin with the strip; continuously moving and tensioning the strip during said mechanical cleaning, electroplating, electrolyte removing, and brightening steps by applying direct propulsive power to said strip at a plurality of steps; the applying of said propulsive power serving to control the tension on the continuously moving strip during each of said steps.

2,240,266
TRACK SANDING APPARATUS
Augustus Nation, Birmingham, Ala.
Application July 22, 1939, Serial No. 286,029
3 Claims. (Cl. 291—11)

1. In a track sanding apparatus to be mounted on a sand box, a housing, a sand passageway extending through the housing and having an inlet opening and an outlet opening, said passageway extending upwardly and outwardly from the inlet opening to the outlet opening and thence downwardly through the outlet opening,

said passageway having its inlet opening disposed within the sand box and facing downwardly, a primary air passageway provided within the housing and located to direct a stream of air from adjacent one side of the inlet opening into the sand box to lift the sand upwardly and outwardly through the inlet opening and through the sand passageway, said passageway and its inlet opening being sufficiently large to receive the sand blown back therein, a secondary air passageway provided within the housing for directing a stream of air outwardly through the outlet opening of the sand passageway, an air chamber provided with an air inlet opening, and individual passageways leading from said air chamber to the primary air passageway and the secondary air passageway.

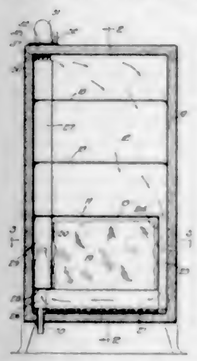


2,240,267

REFRIGERATOR

Thomas I. Potter, Buffalo, N. Y., assignor to Muriel Bell Potter, Buffalo, N. Y.

Application March 28, 1938, Serial No. 198,373
16 Claims. (Cl. 62—63)



1. In a domestic refrigerator, an insulated cabinet providing an upper food compartment and a lower ice compartment, means for circulating an air stream through the two compartments, and means for shielding all except the bottom of the ice block from direct contact with the flowing air and thereby insuring flat meltage of the block.

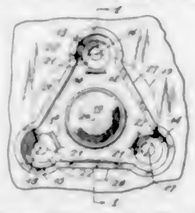
2,240,268

DOWEL

Martin T. Ruddy, Lakewood, Ohio

Application October 27, 1939, Serial No. 301,646
4 Claims. (Cl. 22—158)

1. A device of the class described comprising a non-circular plate having a plurality of screw openings therein, said plate having lugs with circular peripheries the centers of which are coaxial with said screw openings, said screw openings having their centers located on a circle, and said plate having pointed lugs projecting from one side thereof and arranged on said circle in the same relative spacing as the centers of said screw openings.

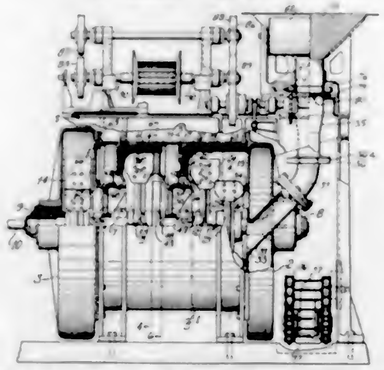


2,240,269

PULVERIZING MILL

Webster I. Sallee, Cleveland, Ohio; E. Ruth Sallee administratrix of said Webster I. Sallee, deceased

Application June 23, 1934, Serial No. 732,125
Renewed April 22, 1940
8 Claims. (Cl. 83—11)



1. In an attrition grinding mill comprising a grinding chamber having a passage for admitting materials to be ground into the chamber, and a circumferentially closed wall and a side wall at an abrupt angle to the circumferential wall, a rotor within the chamber, a plurality of circumferentially spaced radial paddles on said rotor, the outer ends of the paddles being in closely spaced relation to the circumferential wall and the outer radially extending edge portions of each being in closely spaced relation to the side wall, the interior faces of said circumferential wall and side wall being resilient rubber and joined by a gradually curved rubber wall portion.

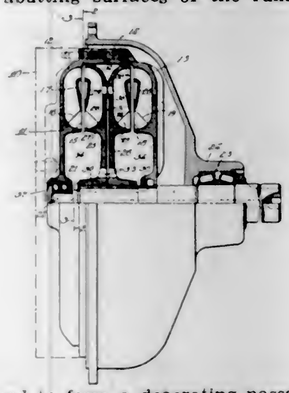
2,240,270

HYDRAULIC TRANSMISSION

Robert M. Schaefer, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin

Application December 2, 1938, Serial No. 243,502
5 Claims. (Cl. 60—54)

1. In a hydraulic transmission, the combination of a casing having a pair of axially spaced impellers formed therein in facing relation, a shaft in the casing coaxial with the impellers, and a pair of oppositely facing runners mounted on the shaft in abutting relation, the impellers and runners coacting to form a pair of liquid working chambers and there beng a peripheral space between the chambers and casing, the abutting portions of the runners forming a wall that defines with the casing a pair of reservoirs and the abutting surfaces of the runners being recessed to form a deaerating passage connecting the space and the reservoirs and through which air is driven to the reservoirs during the early stages of operation.



2,240,271

METHOD FOR PRODUCING UREA-FORMALDEHYDE RESINS

Walter Scheib, Erkner, near Berlin, Germany, assignor to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany

No Drawing. Application March 25, 1939, Serial No. 264,129. In Germany April 5, 1938
8 Claims. (Cl. 260—45)

1. A process for the manufacture of resinous, fusible condensation products which comprises mixing solid urea and solid polymeric formaldehyde and molding the mixture obtained under pressure to molded bodies at room temperature, and causing to react said urea and said solid polymeric formaldehyde by storing said molded bodies at a low temperature of about 15–35° C. until the smell of formaldehyde has substantially disappeared.

7. A process for the manufacture of resinous, fusible condensation products which comprises mixing solid urea and solid polymeric formaldehyde in the presence of phenol-aldehyde resins, and molding the mixture obtained under pressure into molded bodies at room temperature, and causing to react said urea and said polymeric formaldehyde by storing said molded bodies at a low temperature of about 15° to 35° C. until the smell of formaldehyde has substantially disappeared.

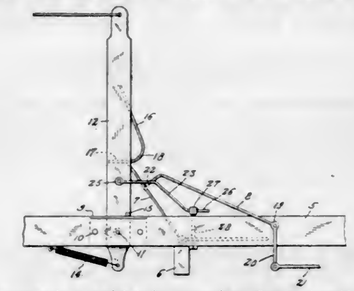
2,240,272

REMOTE CONTROL MECHANISM FOR HAY RAKES

William Jay Truman, White River, S. Dak.

Application December 8, 1939, Serial No. 308,242
2 Claims. (Cl. 56—27)

1. A remote control mechanism for rakes comprising an upstanding lever pivotally mounted at its lower end, a forwardly extending operating member attached to the upper end of the lever, a stop limiting rearward movement of the lever, said rake including a foot lever adapted for holding the rake down and a rake trip member, said foot lever and rake trip member being pivotally mounted on the rake and extending in a forward direction, means carried by the first named lever normally holding the foot lever inactive and means also carried by said first named lever and engaging said trip member for actuating the latter.

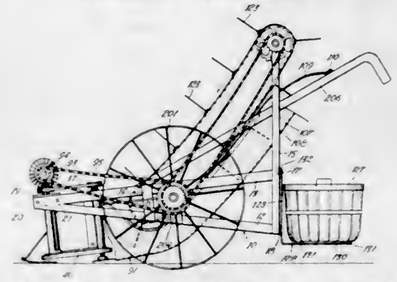


2,240,273

SPINACH HARVESTING MACHINE

William E. Urschel, Valparaiso, Ind.

Application April 15, 1939, Serial No. 268,084
10 Claims. (Cl. 56—157)



1. A crop harvesting machine comprising substantially parallel and upright fore and aft shafts, bearing means on said machine rotatably holding the fore shaft, bearing means rotatively holding the aft shaft, adjustable extension means pivotally connected with the machine adjacently to the fore bearing means for movement about a vertical axis and in support of the aft bearing means, a pair of pulleys respectively driven by and disposed about the lower end portions of said shafts, an endless crop gathering belt disposed upon said pulleys and presenting a conveyor flight, abutment means having a portion in opposed contiguous relation with the conveyor flight of said belt, a knife driven by and disposed about the lower end section of the aft shaft below the pulley thereon, the cutting edge of said knife projecting into substantial vertical alignment with the contiguous portion of said abutment means, driving means for rotating the fore shaft, means for driving the aft shaft from the fore shaft and so constructed and arranged that said belt receives driving force from each of said pulleys, and means yieldingly tending to pivot said extension means for maintaining pressure between the contiguous portions of said belt and said abutment means.

2,240,274

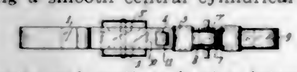
ARTICLE AND PROCESS AND APPARATUS FOR PRODUCING THE SAME

Worth Wade, New York, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application August 7, 1936, Serial No. 94,809
9 Claims. (Cl. 154—1)

9. An apparatus for producing a tying ribbon,

comprising means for applying a softening agent to a strip of flexible relatively plastic material, a pair of cooperating rollers, each of said rollers comprising a smooth central cylindrical portion



and opposite end portions having intermeshing projections thereon, and means for feeding said strip between said cooperating rollers, and means for maintaining the central portion of the strip in a substantially flat condition.

2,240,275

HIGHLY BRANCHED BROMINATED ORGANIC ACIDS AND THEIR ESTERS

Frank C. Whitmore, State College, Pa., and August H. Homeyer, St. Louis, Mo., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri

No Drawing. Application September 10, 1938, Serial No. 229,284
11 Claims. (Cl. 260—487)

1. A halogenated compound corresponding to the type-formula:

$$(CH_3)_2CR—(CH_2)_n—CBrY—COOR'$$

where R is selected from the group consisting of the lower alkyl and aryl groups, n is a lower integer, Y is selected from the group consisting of hydrogen, hydrocarbon, aryl-oxy-alkyl, alkyl-oxy-alkyl, and carboxy radicals, and R' is selected from the group consisting of hydrogen and hydrocarbon radicals.

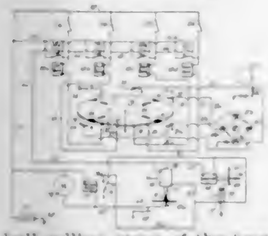
2,240,276

NOVELTY SCORE INDICATOR

Harry E. Williams and Lyndon A. Durant, Chicago, Ill.

Application April 8, 1940, Serial No. 328,476
15 Claims. (Cl. 116—120)





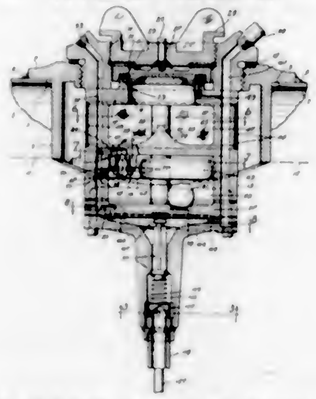
1. In a ball rolling game of the type including switch means situated with respect to a ball rolling field for operation by a ball thereon, novelty indicating means including a ball pen on said field and having a ball confined therein, a ball moving device arranged in said ball pen for rotative movement with respect to the latter to transport said ball from a starting position in said pen into a succession of intermediate positions, and back toward said starting position, and means operably controlled by said switch means for starting and stopping the movement of said ball moving device responsive to the operation of said switch means by a ball rolled on said ball rolling field.

2,240,277

SAFETY APPARATUS

Orren E. Zoder, St. Louis, Mo., assignor, by mesne assignments, to Zoder, Incorporated, St. Louis, Mo., a corporation of Missouri

Application November 18, 1939, Serial No. 305,159
10 Claims. (Cl. 137—68)



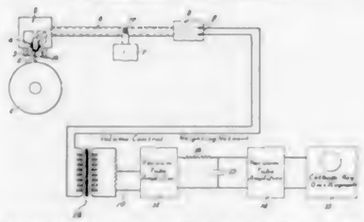
3. In apparatus of the class described, a fuel tank, a member in the tank providing an enclosed float chamber, an open connection from said chamber to a point near the bottom of the tank, a vent connecting the outside of the tank with said float chamber, a gravity-opened valve in said vent, a float in said chamber adapted to operate said valve to close when the liquid level in said tank reaches a predetermined elevation.

2,240,278

INSTRUMENT FOR RECORDING OR MEASURING SURFACE IRREGULARITIES

Ernest J. Abbott, Ann Arbor, Mich., assignor to Physicists Research Company, Ann Arbor, Mich.

Application September 9, 1936, Serial No. 100,030
15 Claims. (Cl. 73—51)



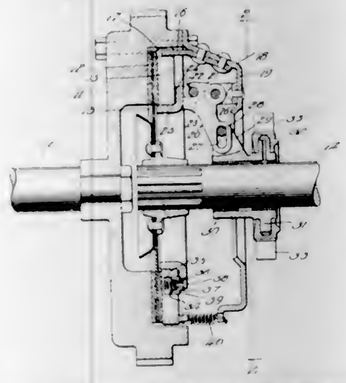
1. Apparatus for use in determining the dimensions of the irregularities of surfaces, which comprises in combination a tracer point, means for mounting said tracer point to move and restrict it to movement substantially perpendicular to the surface being investigated, said tracer point being adapted to be actuated by the geometrical irregularities of said surface as said mounting means is moved substantially parallel to said surface with said tracer point in contact therewith, means for producing voltages by said perpendicular actuation of said tracer point, an electrical corrective network receiving said voltages and weighting said voltages so that over a relatively wide frequency range of the voltages delivered from said network, such voltages are proportional to said perpendicular mechanical displacements of the tracer point, and indicating means responsive to the magnitude of said voltages.

2,240,279

CLUTCH

Nicholas F. Adamson and Kay L. Bastrup, Racine, Wis., assignors to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin

Original application May 10, 1939, Serial No. 272,768. Divided and this application May 1, 1940, Serial No. 332,769
6 Claims. (Cl. 192—68)



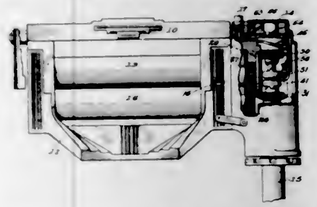
1. The combination of a rotary member having a cover plate, an annular pressure plate having a bore coaxial with the member drivably connected to the cover plate and axially shiftable to grip a driven plate against the member, an adjusting ring threaded within the bore and having an abutment flange disposed adjacent a side surface of the pressure plate, a lever pivoted on the cover plate and having an arm for engaging the flange, and means for rocking the lever on the cover plate as a fulcrum to cause the arm to move the pressure plate to engaging position.

2,240,280

WRINGER CONTROL MECHANISM

Alpheus W. Altorfer, East Peoria, Ill.

Application November 26, 1934, Serial No. 754,733
3 Claims. (Cl. 192—35)



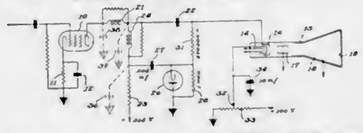
1. The combination in a wringer roll reversing mechanism, of a driving clutch element and a pair of driven clutch elements, and means associated with said driving clutch element for applying power thereto to throw said driving clutch element into engagement with either of said driven clutch elements or out of engagement therewith, said means being characterized by an intermittent-motion half-revolution cam, a pawl adapted to rotate said cam, a multiplicity of teeth on said driving shaft adapted to engage said pawl, a pair of stops arranged to disengage said pawl from said teeth, and a manual trip for said stops to permit reengagement of the pawl.

2,240,281

AUTOMATIC BACKGROUND CONTROL

Randall C. Ballard, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 4, 1939, Serial No. 265,922
4 Claims. (Cl. 178—7.5)



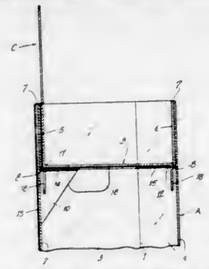
1. In combination, an electric discharge tube having a plate electrode, a second electric discharge tube having a control electrode, said plate electrode being coupled to said control electrode through an inductance coil and a coupling condenser connected in series in the order named, a second inductance coil and a plate resistor connected in series, said second coil being connected to the junction point of said first coil and said coupling condenser, a rectifier coupled through a second coupling condenser to receive the signal voltage appearing across said plate resistor only, a resistor connected in shunt to said rectifier, and a resistor connected between said control electrode and the junction point of said second coupling condenser and the resistor shunting said diode.

2,240,282

DISPLAY STAND

George B. Beaman, Hackensack, N. J., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application August 16, 1939, Serial No. 290,396
2 Claims. (Cl. 248—174)



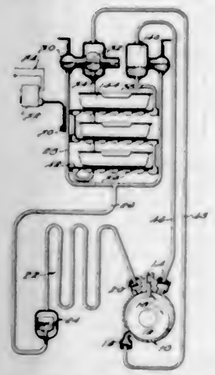
1. A display stand comprising panels of bendable material forming an upright tubular body with separate extensions at the upper ends of said panels that are bent down against the inner faces of the respective panels and are thence bent at right angles to said face to form substantially horizontal disposed ledges in said tubular body, said ledges having slots extending vertically therethrough along the lines where said extensions are bent to form said ledges, and a shelf fitted in said tubular body between the downwardly bent extensions of said panels and supported directly on said ledges, said shelf having tongues at its edges that extend downwardly through said slots and alongside of the inner faces of said panels below said shelf to thereby resist downward swinging movement of said ledges under vertical load.

2,240,283
HEATER AND DRAFT CONTROL THEREFOR
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application March 9, 1940, Serial No. 323,058
6 Claims. (Cl. 126—93)



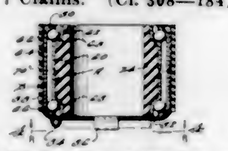
1. In combination with a heater having a generally upright centrally open housing, an open topped burner located in vertical alignment with the central opening of said housing, a flue extending from the top of the housing, generally coaxial with the burner and said central opening, said flue having an aperture in vertical alignment with the burner, and a damper member for said aperture and including a transparent portion adapted for the visual inspection of the burner when the damper member is closed.

2,240,284
REFRIGERATING APPARATUS
John C. Buchanan, Ypsilanti, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application November 20, 1936, Serial No. 111,765
14 Claims. (Cl. 62—126)



13. In a refrigerating system an air cooling evaporator adapted to be arranged within a heat insulated compartment, a low temperature evaporator arranged within said air cooling evaporator and shielded thereby, means for directing liquid refrigerant to said air cooling evaporator, means for withdrawing liquid refrigerant from said air cooling evaporator and delivering the same to said low temperature evaporator, and means for withdrawing gaseous refrigerant from said evaporators, compressing and condensing said refrigerant, and delivering the same to said directing means, said last means being adapted to establish different suction pressures in said evaporators so as to produce refrigeration in the air cooling evaporator at a temperature higher than that at which refrigeration is produced in the low temperature evaporator.

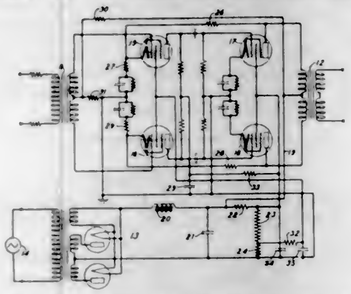
2,240,285
STEERING COLUMN BUSHING
Jess D. Chamberlin, Detroit, Mich.
Application September 12, 1939, Serial No. 294,531
7 Claims. (Cl. 308—184)



1. A unitary bearing assembly applicable to and removable from a device as such, comprising, in combination, an inner metallic sleeve portion and an outer metallic sleeve portion arranged in concentric and generally radially spaced relation, each of said sleeve portions comprising a pair of separately formed parts disposed at axially opposite ends of said bearing assembly, each part of said sleeve portion being formed to provide a raceway, said raceways being arranged in opposed pairs and a plurality of ball bearings received between each opposed pair of raceways, the two parts of the inner of said sleeve portion being axially spaced from one another, a sleeve of resilient material received by said inner sleeve portion and constantly acting against the two parts thereof to urge said two parts axially outwardly away from each other, the two parts of the outer sleeve portion being arranged in axially contacting relationship, a metallic jacket exteriorly embracing said outer sleeve portion maintaining the concentricity of the parts of said portion, and inwardly turned ends on said jacket embracing the ends of the two parts of said outer sleeve portion and maintaining them against axial separation.

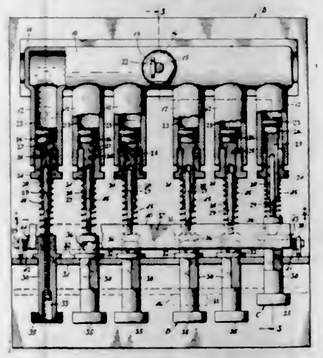
2,240,286
AMPLIFIER
Van M. Cousins, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 2, 1940, Serial No. 316,926
6 Claims. (Cl. 179—171)

1. In an amplifier, two vacuum tubes having input and output circuits connected in push-pull relation, a vacuum tube input stage having a grid circuit connected to a source of signals and a plate circuit connected to the push-pull tubes, a source of direct current for the amplifier having undesirable noise components, an impedance in the push-pull output circuit, a connection from the direct current source to the mid-point of the impedance, a negative feedback circuit from at least one point on the impedance to the input stage whereby the noise components are fed back along with the signals and amplified and assume in the output impedance a larger value than they would have in the absence of feedback and a path from another point on the impedance to the input stage for impressing thereon noise compo-



nents for neutralizing the effect produced by the noise components in the feedback path.

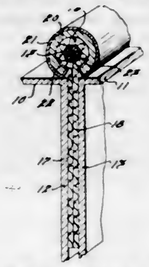
2,240,287
RADIO APPARATUS TUNING DEVICE
Percy Croll, Jr., Newark, N. J., assignor of three-fourths to Joseph Sackel, Newark, N. J.
Application January 5, 1940, Serial No. 312,501
5 Claims. (Cl. 60—54.5)



1. A hydraulic device for actuating a shaft to a pre-determined position comprising a body portion having a main liquid chamber therein, an auxiliary chamber in communication with said main liquid chamber, actuating means mounted in said auxiliary chamber and responsive to liquid displacement from said main liquid chamber, a plurality of liquid displacing means in communication with said main liquid chamber each when actuated being adapted to displace a pre-determined amount of liquid from the main chamber into the auxiliary chamber, and locking means adapted to lock said liquid displacing means in their operative position.

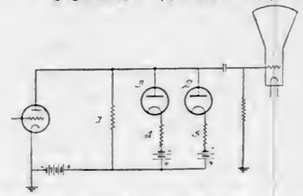
2,240,288
MOLDING
Orley J. Crowe and William J. Hall, Detroit, Mich.; said William J. Hall assignor of one-half to said Orley J. Crowe
Application January 27, 1938, Serial No. 187,280
3 Claims. (Cl. 20—74)

1. Bead molding comprising a hollow, metal bead, having a slot opening extending linearly thereof, a core extending longitudinally within the bead, a flexible member extending into the slot, and folded around the core, and a thin covering member folded around the metal bead and



having its edges projecting into the slot and folded around the edges of the metal bead.

2,240,289
CONTROL VOLTAGE LIMITER FOR CATHODE RAY TUBE RECEIVERS
Wolfgang Dillenburger, Berlin-Zehlendorf, and Kurt Thöm, Berlin-Lichterfelde-Sud, Germany, assignors to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application February 16, 1938, Serial No. 190,884
In Germany February 17, 1937
5 Claims. (Cl. 178—7.5)

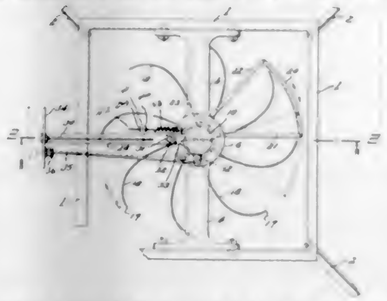


1. A signal translating system for a cathode ray image receiver wherein the luminescence effect of the cathode ray on a screen is a non-linear function of the signal potentials impressed on a control electrode of said receiver, comprising an amplifier having an output circuit including a resistor from which signals are derived for application to a control electrode of said cathode ray image receiver, and a circuit shunting said resistor including a rectifier and resistor in series, said rectifier being biased in opposition to signal potentials developed across said first-mentioned resistor and at a value rendering said diode non-conductive up to a predetermined value of signal potential developed across said first-mentioned resistor, to compensate for the non-linear luminescence characteristic of said cathode ray image receiver.

2,240,290
WIND MOTOR
Stanley R. Du Brie, Detroit, Mich.
Application April 24, 1939, Serial No. 269,593
1 Claim. (Cl. 170—15)

A wind motor comprising a framework, a wind wheel having radially extending blades of a concavo-convex type positioned in a vertical plane, a vertical shaft to which the blades are attached, a bearing for the shaft supported by the framework and being of a character to support the weight of the wheel at the lower side, an anti-friction bearing for the upper end of the shaft, a tubular member in which the upper shaft bearing is supported, an anti-friction bearing for the tubular member supported by the framework, a wind shield comprising a curved plate having a

radius slightly greater than the radius of the blades and of a width circumferentially greater than the space between two adjacent blade ends, a frame for the shield comprising elements at the upper and lower end thereof, the shield frame element at the upper end of the shield being secured to the tubular member and the shield frame element at the lower end of the shield being rotatably secured to the shaft below the wind wheel, a horizontal vane, a member secured to the upper end of the said tube having a portion at a distance from the axis of the tube to which



the vane is pivotally mounted to swing on a vertical axis, a contracting spring extending between the vane and the member secured to the tube tending to turn the tube and consequently the shield, the pivotal point of the vane being on the side of the axis of the shaft opposite that occupied by the shield and said spring tending to hold the shield in position to cover the convex side of some of the blades, and means responsive to wind pressure in excess of the spring tension to turn the said tube and shield in a direction to cut off air flow to the concave faces of some of the blades.

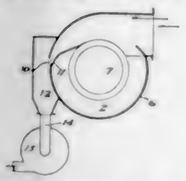
2,240,291

FURNACE FOR ROASTING CORN FLAKES OR THE LIKE LOOSE DISCRETE MATERIALS

Eugene Oscar Engels, Saginaw, Mich., assignor to Baker Perkins, Inc., Saginaw, Mich., a corporation of New York

Application April 1, 1940, Serial No. 327,231

3 Claims. (Cl. 107—55)



1. In a heating system for toasting or baking light discrete materials by a recirculated current of hot combustion gases, comprising a furnace having a cylindrical combustion chamber open at one end, a substantially cylindrical jacket surrounding said chamber, spaced therefrom and connected to the baking chamber, a conduit for gases recirculated from the baking chamber tangentially joining said jacket adjacent the burner end of the combustion chamber to direct said recirculated gases circumferentially of the annular passage between said chamber and jacket, in combination, a receptacle outside of said jacket and connected therewith by an opening extending transversely of the said conduit and lengthwise of the jacket wall along a line removed from said return conduit circumferentially of the jacket, and a stationary baffle at an edge of said opening directed slantingly counter to the flow of gases in said annular passage and extending inward a distance sufficient so that flakes or chaff particles entrained in said recirculated gases and urged centrifugally outward adjacent the jacket wall by their change of direction are intercepted and directed into said receptacle.

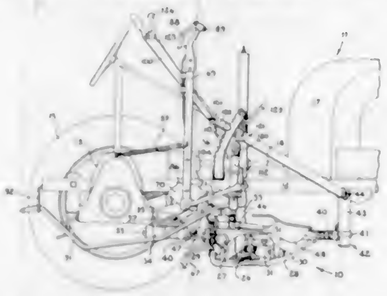
2,240,292

TRACTOR MOWER

Carl J. Frederiksen, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application November 29, 1939, Serial No. 306,690

16 Claims. (Cl. 56—25)



1. In a mower, a frame, a cutter bar structure swingably connected thereto, and means for supporting said structure comprising a track carried on said frame and extending in the direction of swinging movement of said structure, and a track follower on said track connected to said structure at a position spaced from the swingable connection thereof and adapted to follow said track as the cutter bar structure swings.

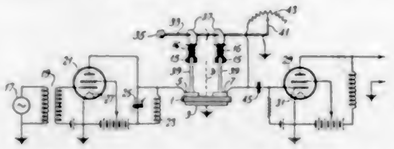
2,240,293

PIEZOELECTRIC FILTER

De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 23, 1938, Serial No. 197,622

11 Claims. (Cl. 178—44)



1. A filter system comprising a piezoelectric crystal mounted in a holder and compressed between its electrodes, a variably tuned input amplifier stage connected to one of said electrodes, a connection from a different one of said electrodes, namely, the output electrode, to a control grid in a subsequent electron discharge tube stage, means for varying the degree of compression of the electrodes against the crystal thereby to adjust the band width of the filter, and a device providing compensation for voltage variations in the output energy delivered by said crystal when subjected to different pressures, said device being mechanically coupled to said compression varying means.

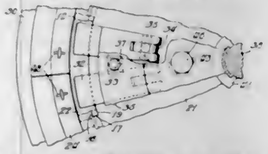
2,240,294

APPARATUS FOR FORMING METAL PARTS

Edward J. Greif, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Original application April 9, 1937, Serial No. 135,990. Divided and this application November 30, 1938, Serial No. 243,169

12 Claims. (Cl. 153—21)



1. Apparatus for forming a cover seat in a mouth-defining neck region of a receptacle wherein said neck region projects axially into the receptacle in spaced relation to the side wall thereof from an in-turned rim; comprising a male die element adapted to engage the inner surface of said neck region, an annular die element insertible into the receptacle through the mouth thereof and receivable in the annular space between said neck region and the side wall, and means insertible into the receptacle through the mouth thereof and adapted to apply pressure to said annular die element for moving the same toward said male die element whereby to form said neck region between said die elements.

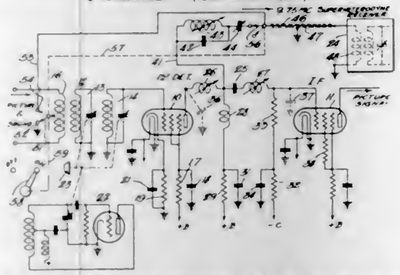
2,240,295

TELEVISION RECEIVER

Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 29, 1937, Serial No. 166,287

6 Claims. (Cl. 178—5.8)



1. In a television receiver of the superheterodyne type having a first detector and an intermediate frequency amplifier for the reception of picture and sound signals, a band pass coupling network connected between said detector and said amplifier and having a pass range for passing the picture modulated intermediate frequency carrier wave substantially to the exclusion of the sound modulated intermediate frequency carrier wave, said network comprising a tuned primary circuit having a primary coil and a coupling impedance unit, and a tuned secondary circuit having a secondary coil and including said coupling impedance unit, and a circuit connected to the alternating current high potential end of said coupling impedance unit for supplying the sound modulated intermediate frequency carrier wave to a frequency converting unit having an oscillator therein, said circuit including a parallel resonant circuit tuned to the frequency of said oscillator, and means for making said circuit and said coupling impedance unit series resonant at the frequency of said sound modulated intermediate frequency carrier wave.

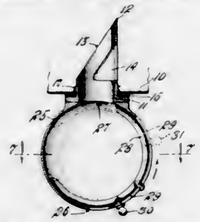
2,240,296

CUTTING AND MEASURING DEVICE

William B. Hannum, Sr., Woodmere, and William B. Hannum, Jr., Jamaica, N. Y.

Application April 17, 1940, Serial No. 330,093

2 Claims. (Cl. 221—116)



1. A unitary device for use with a food or like container comprising a cutting portion and a measuring portion, openings in the measuring portion, the cutting portion of said device being tubular in form and coacting with an opening in the measuring portion and angularly pointed to cut into a container, a slot in the measuring portion, a sliding member on the interior of the measuring portion to coact with the openings in the measuring portion, a knob secured to the member and extending through the slot to position the member, and means carried on the outside of the cutting portion of the device to form a substantially airtight joint at the point of insertion into a container.

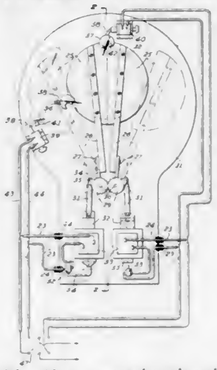
2,240,297

SEARCHLIGHT

Walter H. Haupt, Ludlow, Haden S. Ware, Fort Mitchell, and Chester Tietig, Covington, Ky., assignors to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky., a corporation of Ohio

Original application December 18, 1939, Serial No. 309,764. Divided and this application April 1, 1940, Serial No. 327,130

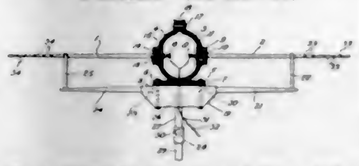
4 Claims. (Cl. 240—45)



2. In combination, a main circuit including a source of light for a searchlight, said circuit being provided with an independent current supply, a sub-circuit including a magnet switch arranged to close said main circuit, a time delay relay in parallel with said magnet switch, a pair of op-

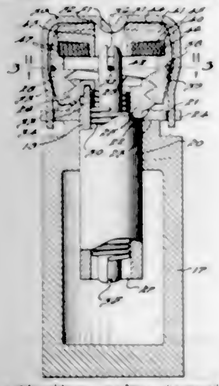
positely acting solenoids, said time delay relay being in parallel with each of said solenoids, a pair of shutters adapted to obscure the said source of light of said searchlight, both of said shutters being actuable by one of said solenoids to separate the shutters and both shutters being also actuable by the other of said solenoids to bring the shutters together and a double-pole, double-throw switch included in the sub-circuit whereby the shutters may be selectively operated to reveal or obscure the light source.

2,240,298
DIPOLE ANTENNA
Harold J. Heindel, Flushing, Milton B. Sleeper, New York, and Madison Cawein, Manhasset, N. Y., assignors to Andrea Radio Corp., Woodside, N. Y.
Application March 27, 1939, Serial No. 264,294
4 Claims. (Cl. 250—33)



1. In a high frequency antenna system, the combination of, a pair of tapered conductors each threaded at one end and scored at a plurality of predetermined points near the other end, a housing comprising a pair of cup-shaped insulators each carrying a fitting at the apex and means for clamping said insulators together at their peripheries to form an enclosed space, said fittings including inwardly directed projections to form a predetermined air-gap within said housing and outwardly directed threaded sockets to receive said threaded conductors, and a two conductor transmission line terminated upon said projections.

2,240,299
VALVE ACTUATING MECHANISM
Dan Campbell Holmes, Paris, France, and Alan Henry Griffiths, Chequers Hill, Amersham, England, assignors to Self-Adjusting Tappets Limited, London, England
Application September 24, 1938, Serial No. 231,496
15 Claims. (Cl. 123—90)

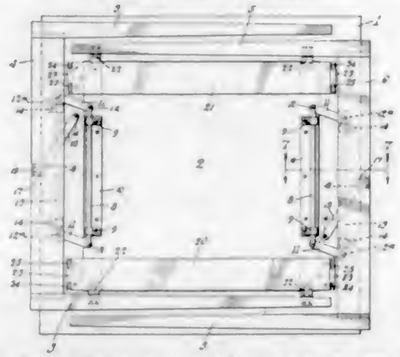


1. A self-adjusting valve tappet comprising two members threaded together, a spring tending to turn the members relatively to elongate the tappet, the threaded engagement of said members being such that under certain pressure conditions in the operation of the tappet the members will move relatively to retract the tappet against the action of said spring, a contact piece extending over one of said members and arranged to contact the valve stem or push rod and having a part keyed to the other member, said piece having a small amount of contact surface between itself and the adjacent member relative to the amount of surface in contact with the valve stem or push rod, so that said piece and adjacent member may move relatively with little friction, in the adjusting operation of the tappet.

2,240,300
MANUFACTURE OF PHONOGRAPH RECORDS
James H. Hunter, Lansdowne, Pa., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application June 30, 1937, Serial No. 151,312
3 Claims. (Cl. 204—5)

1. The method of forming a phonograph record matrix which comprises preparing an original wax phonograph record, applying to said wax record a conductive powder having incorporated therein approximately 0.1 percent by weight of a fatty composition selected from the group consisting of stearic acid, oleic acid and lard, electrodepositing a layer of metal over said powder, and finally separating said electrodeposited metal layer from said wax record.

2,240,301
FOLDING TABLE
Harry D. Johnson, English, Ind.
Application March 17, 1939, Serial No. 262,476
8 Claims. (Cl. 311—86)



1. In a folding table, a table top, a plurality of pairs of legs movably secured to said table top at opposite edges thereof, each such pair being connected by an apron adapted, when the legs are extended, to lie in a plane generally perpendicular to the plane of the table top, additional aprons hinged to the table top and located between each said pair of legs, said aprons being adapted, when in extended position, to bridge the gap between a leg at each end of each additional apron, and hinge connections between the pairs of legs and the table top, each such hinge connection being pivoted to the table top and to the apron connecting a pair of legs, and further including spacing links adapted to permit endwise movement of each such apron, with its associated legs, in relation to the table top.

2,240,302
COMPOSITION FOR IMPREGNATING GRINDING WHEELS
Hugh H. Jones, Birmingham, Ala.
No Drawing. Application September 12, 1940, Serial No. 356,505
8 Claims. (Cl. 51—295)

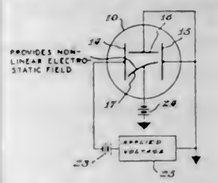
1. An impregnating composition for cutting wheels comprising hydrogenated cotton seed oil 90% to 97%, salt 0.75% to 7.5%, sulphur 0.75% to 7.5%, and a penetrating agent 0.75% to 7.5%.

2,240,303
HAIR ROLLER
Stephen F. Kayn, New York, N. Y., assignor to Ross M. McFadden, Los Angeles, Calif.
Application January 7, 1939, Serial No. 249,767
2 Claims. (Cl. 132—38)



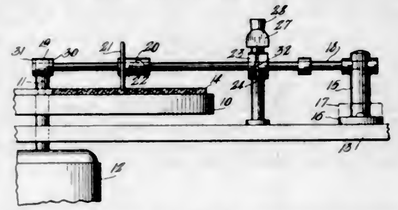
1. In a device for forming a hair roll, an elongated relatively narrow body provided with oppositely disposed edge teeth about which the hair is rolled with the teeth initially engaging and laterally spacing the hair being rolled, and gripping the individual coiled strands at a plurality of points in the coil periphery thereof, said body being formed of relatively stiff flexible material, a separate pliable roll clamping member of greater length than the body disposed longitudinally therewith adjacent one side centrally between the teeth and inoperative during the rolling operation, and means to retain consecutive bends of the end portions of said member to roll clamping position from points spaced inwardly from the ends of the body to adjust the curvature of said body and clamp the roll thereon with the clamping means concealed.

2,240,304
MEASURING AND INDICATING INSTRUMENT
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1938, Serial No. 222,109
7 Claims. (Cl. 250—158)



1. A cathode ray tube comprising means for producing a concentrated electron ray beam; a first pair of electrodes for deflecting said beam in a given direction in accordance with the amplitude of a voltage to be indicated; means including a second pair of electrodes for establishing a constant electrostatic field whose lines of force are substantially perpendicular to said beam and to said given direction, the intensity of said field being non-uniform in said given direction so that the deflection of said beam in said given direction produces a deflection in a direction perpendicular thereto, and auxiliary deflecting means operable on said beam to oscillate said beam in said given direction to produce an indicating line, the position of said line being a non-linear function of the amplitude of said voltage to be indicated.

2,240,305
METRONOME
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1939, Serial No. 311,341
9 Claims. (Cl. 58—130)



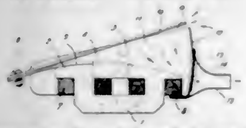
9. Apparatus of the class described including a shaft adapted to be supported radially over a phonograph turntable, means for supporting said shaft, means adjustable on said shaft for driving said shaft from the phonograph turntable, and cam means on said shaft adapted to cooperate with the phonograph reproducer for producing sounds over said reproducer in accordance with the rotation of said shaft, said cam means having a plurality of cam tracks adapted to produce different numbers of sounds per revolution of the shaft.

2,240,306
ELECTROMECHANICAL FILTER
Emory Lakatos, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1939, Serial No. 301,088
4 Claims. (Cl. 178—44)



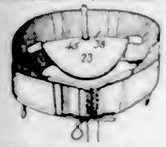
3. An electromechanical filter comprising a longitudinal stretched wire, a plurality of transverse stretched wires, coupled mechanically to said longitudinal wire at their mid-points and spaced apart along the length thereof, a first electromagnetic transducer coupled mechanically to said longitudinal wire near one end thereof, a second electromagnetic transducer coupled mechanically to said longitudinal wire near the opposite end thereof, said wires and said transducers being proportioned and tuned with respect to each other and to a particular frequency whereby the filter is responsive to vibrations in a frequency band centered about said particular frequency, the transducers being spaced one quarter wave-length of the mid-band frequency of said filter from their respective ends of said wire and the transverse wires being spaced at intervals of one half wave-length of the mid-band frequency of said filter with respect to each other and the said transducers.

2,240,307
FLUID PUMP
Heinrich List, Berlin-Lichterfelde, Germany
Application July 1, 1938, Serial No. 216,949
In Germany July 6, 1937
14 Claims. (Cl. 103—53)



1. A conveying device for fluid media, having a plurality of walls forming a working chamber, one of said walls being constituted by a power operated oscillatable member which converges into contact with an opposite wall to define at least one edge of the chamber and which is free to move longitudinally relatively to said wall at least at the part remote from said edge, at least one of said converging walls being curved, and means being provided whereby the wall formed by the oscillatable member is so constrained in its movement towards the opposite wall that the line of contact advances progressively along said walls.

2,240,308
ORTHOPEDIC BELT FOR THE TREATMENT OF GASTRIC PTOSES
Roger Hervé Mahé, Le Havre, France
Application January 13, 1938, Serial No. 184,744
In France April 23, 1937
4 Claims. (Cl. 128—96)



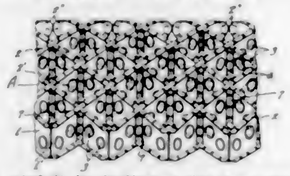
3. In an orthopedic belt, a pad having the shape of a wedge, two pivoting rigid plates forming a dihedral angle and constituting the faces of said pad, resilient means for regulating the amplitude of said dihedral angle, and means for keeping said pad applied to the stomach of a patient.

2,240,309
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 30, 1939, Serial No. 297,259
14 Claims. (Cl. 171—327)



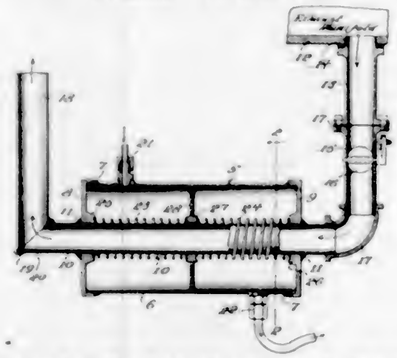
1. A piezoelectric quartz crystal vibratory body having its opposite substantially rectangular major faces substantially parallel to an X axis and inclined substantially +51 degrees with respect to the Z axis as measured in a plane substantially perpendicular to said major faces, the major axis over-all length dimension and the width dimension of said major faces being inclined substantially 45 degrees with respect to said X axis, said over-all length dimension being in effect divided into a plurality of equal length elementary lengths to form a plurality of elementary areas, each of said elementary lengths having a dimensional ratio of substantially 0.86 with respect to said width dimension.

2,240,310
AIRFOIL
Harry M. McKay, Ferguson, Mo., assignor to St. Louis Aircraft Corporation, St. Louis, Mo., a corporation of Missouri
Application October 14, 1939, Serial No. 299,416
3 Claims. (Cl. 244—123)



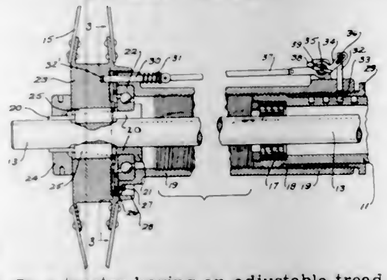
1. An airfoil including a frame comprising, a plurality of straight interlocking ribs having a width substantially equivalent to the thickness of the airfoil, said ribs being obliquely disposed to the leading edge of the airfoil and connected with each other in criss-cross cell formation, each of said ribs further having a peripheral contour conforming to the sectional contour of the airfoil in the plane of such rib.

2,240,311
FUEL HEATING DEVICE
Ludie B. Mills, Eden, Ga.
Application March 25, 1940, Serial No. 325,928
3 Claims. (Cl. 257—74)



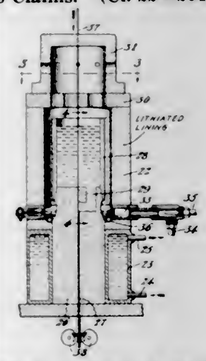
1. A fuel heating device for internal combustion engines, comprising, a substantially cylindrical-shaped housing, said housing adapted to receive the fuel in one end and to discharge the same into a carburetor from the other end thereof, a tube extending through said housing and projecting beyond each end thereof, said tube connected with the exhaust manifold of the engine for conveying heated gases therefrom to heat the interior of said housing, and means slidably mounted on said tube for agitating the fuel fed into one end of the housing so as to be uniformly heated by said tube prior to its discharge into the carburetor.

2,240,312
MEANS FOR ADJUSTING TRACTOR WHEELS
Herbert A. Minturn, near Indianapolis, Ind.
Application February 24, 1940, Serial No. 320,543
9 Claims. (Cl. 180—1)



1. In a tractor having an adjustable tread, an axle housing, an axle revolubly carried through the housing and extending outwardly therebeyond, a tractor wheel through which the axle extends and is drivingly connected, a sleeve surrounding said axle and screw-threadedly engaging said axle housing to telescope therewith, and means for engaging the sleeve with said wheel, the driving connection of said wheel with the axle comprising key means to permit the wheel to shift along the axle, and means for engaging the wheel with the axle in a relatively fixed manner at selected positions along the axle.

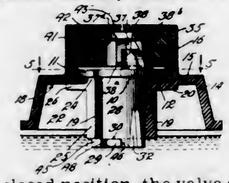
2,240,313
METHOD OF MAKING COMPOSITE METAL
Harold J. Ness, Bloomfield, N. J.
Application March 1, 1938, Serial No. 193,278
8 Claims. (Cl. 22—204)



1. The method of forming anti-friction surfaces which comprises heating copper and lead together in the molten state in the presence of lithium vapor until agitation of the alloy occurs and applying to the article to be surfaced said molten alloy, to coat said article.

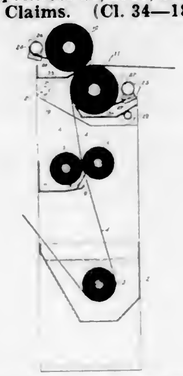
2,240,314
CLOSURE FOR BATTERY BOX COVERS
Roland Reppert, Pelham Manor, and Rudolph A. Johnson, Brooklyn, N. Y., assignors to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application April 9, 1940, Serial No. 328,608
6 Claims. (Cl. 136—178)

3. A container cover having a top wall, a valve sleeve projecting downwardly from the top wall with its lower end below the under surface of the top wall and having an opening extending therethrough, an annular valve seat formed on the upper side of the top wall concentrically with the opening therein, a threaded neck on the cover surrounding the valve seat, there being a vent passage extending downwardly from the valve seat through the top wall, a rotatable valve seated on the valve seat and having an aperture therethrough, the valve having a closed position for closing the vent passage and an open position with the aperture in alinement with the vent passage, the valve having a downwardly extending tube with an opening extending therethrough rotatably mounted in the valve sleeve, a threaded vent cap adapted to be screwed fully into the threaded neck to turn the valve to open position and to be unscrewed fully from the neck to turn



the valve to closed position, the valve and the vent cap having separable interengaging parts, the valve tube being provided with a cam surface facing in the direction in which the valve is turned to open position and with a stop surface facing in the direction in which the valve is turned to closed position, the valve sleeve being provided with a stop located in the circle of movement of the cam and stop surface, the part of the valve on which the cam and stop surface are mounted being yieldably movable toward and from the circle of movement in which the stop on the valve sleeve is located so that when the valve is turned in the direction in which the cam faces, the cam rides over the stop on the valve sleeve and when the valve is turned in the opposite direction the stop surface thereon contacts with the stop on the valve sleeve and the valve is thereby held against further turning in that direction.

2,240,315
APPARATUS AND PROCESS FOR DRYING WAXED PAPER
Cecil M. Rhodes and Lyle L. McGladrey, St. Paul, Minn., assignors to Rapinwax Paper Company, Minneapolis, Minn., a corporation of Minnesota
Application September 24, 1938, Serial No. 231,539
5 Claims. (Cl. 34—18)



4. The method of removing residual moisture

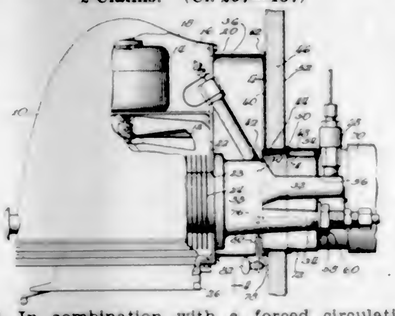
from wax paper and cleaning the moisture removing means consisting of passing a sheet of moist wax paper between contacting soft surfaced rollers and scraping and applying a bath of cleaning fluid to the surface of said rollers for the purpose set forth.

2,240,316

HEATER

Thomas F. Spackman, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application September 22, 1938, Serial No. 231,232
2 Claims. (Cl. 257—137)



1. In combination with a forced circulation air heater mountable in an opening in a wall and having an air inlet opening and an independent combustion heat exchange unit, a cup member receivable in said wall opening and apertured at its closed end to receive one end of said unit therethrough with the cup opening towards the opposite end of said unit, a flange on said cup member providing a shoulder abutting said wall around said wall opening, a stamping secured to said heater to provide a housing over said inlet opening and having an opening in a wall thereof for receiving the open end of said cup member therethrough, whereby said stamping and said cup member are in open communication with each other for the passage of air from one side of the wall to the other, means engaging said one end of said unit and the closed end of said cup member for drawing said stamping and said cup member towards each other on opposite sides of said wall for supporting said heater on said wall, said cup member having an opening admitting said air, and manual means for controlling the flow of said air through the last said opening.

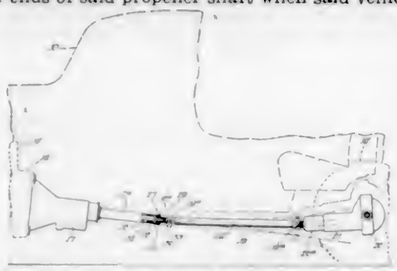
2,240,317

MOTOR CAR DRIVE

Carl E. Swenson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application January 17, 1938, Serial No. 185,250
6 Claims. (Cl. 180—73)

1. In a power transmitting connection for motor vhelcles wherein a low floor level is of essential importance, the combination comprising a transmission housing having a drive shaft extending rearwardly therefrom, a rear wheel drive comprising a differential housing carrying a forwardly extending pinion shaft, means connecting said drive shaft and said pinion shaft comprising a propeller shaft, universal joints interposed respectively between the ends of said propeller shaft and said first named shafts, said combination being particularly characterized by said rearwardly extending drive shaft being directed downwardly and said pinion shaft being likewise directed downwardly, the center lines of said first two named shafts extended intersecting one another below and at a point located between the ends of said propeller shaft when said vehicle



is at rest, said center lines forming substantially equal angles with the center line of said propeller shaft, and means for maintaining this substantial angular equivalency during the relative vertical movements of said transmission housing and said differential housing under operating conditions.

2,240,318

RESOLUTION OF RACEMIC MIXTURES

Donalee L. Tabern, Lake Bluff, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application July 17, 1939, Serial No. 284,876
11 Claims. (Cl. 260—485)

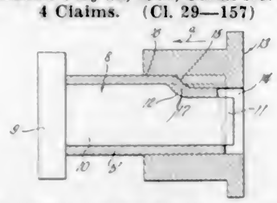
1. The steps in the process of resolving a racemic mixture, comprising reacting a mono-menthol ester of a lower saturated dicarboxylic aliphatic acid with a racemic d-l-ephedrine mixture in a reaction solvent, and separating the resulting l-ephedrine-salt of the menthol ester of said aliphatic acid from the d-ephedrine compound.

2,240,319

METHOD OF PRODUCING PIPE FITTINGS

James Hall Taylor, Oak Park, Ill.

Application July 24, 1939, Serial No. 286,136
4 Claims. (Cl. 29—157)



1. The method of producing a T, which comprises heating selected areas at one side of the end portions of a tubular metal blank to such a temperature that the metal thereof will readily flow when subjected to pressure, subjecting such areas to combined inward radial and lengthwise pressure effective for reducing the end portions of the blank relative to the central portion thereof and for upsetting the wall of the blank at the areas of juncture between the end portions and the central portion, thereby producing the trunk of the T and a protuberance at said one side of the trunk intermediate the end portions thereof with the wall of the base portion of the protuberance of greater thickness than that of the trunk, and forming the protuberance to final

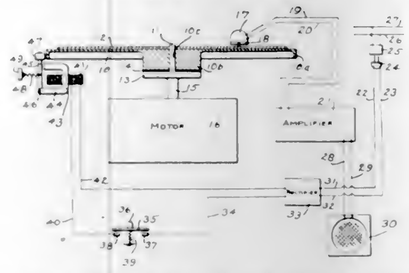
size and shape thereby producing the neck of the T joined to the trunk by a fillet of greater wall thickness than the trunk.

2,240,320

QUICK START AND STOP MECHANISM FOR PHONOGRAPH TURNTABLES

Lincoln Thompson, Stamford, Conn., assignor to The SoundScriber Corporation, Stamford, Conn., a corporation of Connecticut

Application November 26, 1938, Serial No. 242,598
2 Claims. (Cl. 274—9)



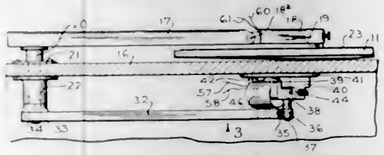
1. In a phonograph, a low inertia turntable having a depending flange around its periphery, a brake shoe for engaging said flange whenever it is desired to stop the rotation of the turntable, a spring-retracted pivotally-mounted iron rod for supporting said brake shoe, and a foot-controlled electromagnet for selectively attracting said iron rod for causing said brake shoe to engage said flange and stop said turntable, continuously rotating driving means, and a slip-friction clutch for connecting said driving means with said turntable, whereby the stopping of said turntable will not stop the rotation of said driving means.

2,240,321

TRANSCRIBING MACHINE

Lincoln Thompson and Robert L. Stone, Stamford, Conn., assignors, by direct and mesne assignments, to The SoundScriber Corporation, Stamford, Conn., a corporation of Connecticut

Application December 31, 1938, Serial No. 248,691
5 Claims. (Cl. 274—15)



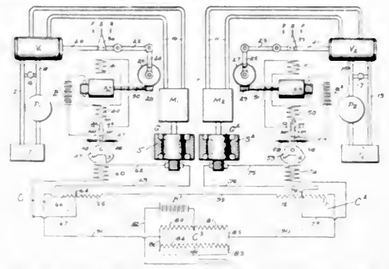
1. In a transcribing machine, a frame, a driven turntable in said frame, a disc record seated thereon, a needle holding reproducer head, a reproducer arm for carrying said head mounted in said frame to swing over said record, a step back arm connected with and spaced from said reproducer arm and mounted to swing therewith, said step-back arm having an arcuate end section located at substantially right-angles thereto, a striking member pivoted to said frame, manually operated means to force said striking member suddenly against said arcuate end section to back-space said head and needle a predetermined amount over said record, and means to adjust the angle and stroke of said striking member to vary the amount of back-spacing.

2,240,322

SPEED CONTROL APPARATUS

Samuel T. Webster, Worcester, Mass.

Application August 24, 1939, Serial No. 291,794
5 Claims. (Cl. 60—97)



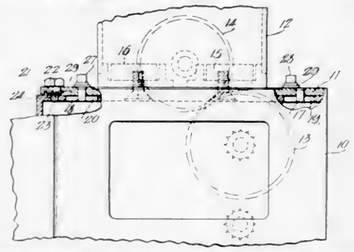
1. In a means to control the speeds of a plurality of motors, that improvement which comprises a resistance unit having a variable resistance in parallel with two fixed resistances in series, an external control circuit connected to the common terminals of said parallel resistance circuits, and a current supply connected to the junction of said fixed resistances and to a shiftable contactor for said variable resistance.

2,240,323

SOUND MOTION PICTURE APPARATUS

Arthur G. Zimmerman, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1939, Serial No. 306,835
4 Claims. (Cl. 88—16.2)



1. Apparatus for securing a sound head and picture projector together comprising a member adapted to fit between the projector and sound head, means for securing the projector rigidly to said member, means for maintaining the member in alignment with the sound head, means for adjusting the member longitudinally in relation to the sound head and means for rigidly securing the member to the sound head.

2,240,324

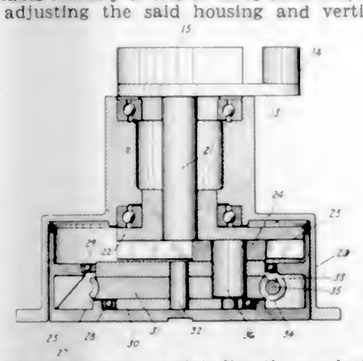
GLASS FORMING MACHINE

Samuel D. Bert, Washington, Pa., assignor of one-third to Maurice A. Yorkin and one-third to James D. Martin, both of Washington, Pa.

Application April 21, 1939, Serial No. 269,134
4 Claims. (Cl. 74—436)

1. The combination with a driving device of the Geneva type, of a shaft for imparting rotative movements to said device, a bearing for supporting said shaft in vertical position, a crank-like extension carried by said shaft at its lower end, a bearing housing adjacent to the lower end of said shaft, vertically-spaced bearings in said housing, a rotatable member positioned in said

bearings, a driving connection between said rotatable member and the said extension, and shiftable radially of one of these elements, means for adjusting the said housing and vertically-



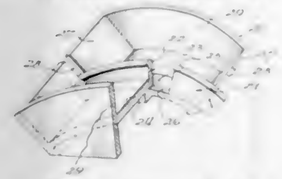
spaced bearings in radial directions relative to the shaft, and means engageable with the rotatable member at a point between the said bearings, for driving the member.

2,240,325

CARD TRAY

George C. Bruen, Chicago, Ill., assignor to Rotary Index Co., Inc., Chicago, Ill., a corporation of Illinois

Application August 7, 1939, Serial No. 288,710
17 Claims. (Cl. 129—16)



15. In card filing equipment, the combination of a tray-like body of the class comprising drawers and desk trays, and a card mounting rail mounted in the body, the rail comprising a head extending along its upper edge and a flange depending from the head, the rail being adapted to enter complementary keyhole slots in the bottom edges of a multiplicity of cards whereby to mount the cards on the rail more or less at right angles thereto, for movement along the rail and for individual upward flexing removal therefrom, the body being constructed and arranged for receiving and mounting the rail medially lengthwise of the body for downward insertion, and upward removal, of the rail with the cards mounted thereon, the body having a floor on either side of the rail for supporting engagement with the bottom edges of the cards to limit substantial vertical rocking of the cards about the rail.

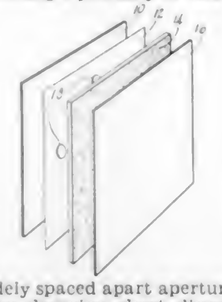
2,240,326

LAMINATED INSULATION STRUCTURE

Earl A. Burns, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan

Application April 6, 1938, Serial No. 200,341
3 Claims. (Cl. 154—44)

1. A laminated vibration damping panel structure of the character described comprising a vibratory metal lamination, a lamination of inert vibration damping material overlying said metal lamination and carrying an asphaltic binder, a separator sheet interposed between said metal lamination and damping lamination preventing adhesion therebetween throughout the major area of the separator sheet, said separator sheet cut away providing a plurality of relatively small,



relatively widely spaced apart apertures throughout which the damping sheet directly contacts and is adhesively secured to the metal sheet by said asphaltic binder, the said areas in the aggregate varying from 2% to 25% of the juxtaposed areas.

2,240,327

GLASS COMPOSITION

Willem Elenbaas and Gottfried Bruno Jonas, Eindhoven, Netherlands

No Drawing. Original application July 28, 1936, Serial No. 93,114. Divided and this application April 16, 1938, Serial No. 202,570. In Germany August 6, 1935
1 Claim. (Cl. 106—36.1)

A glass containing:

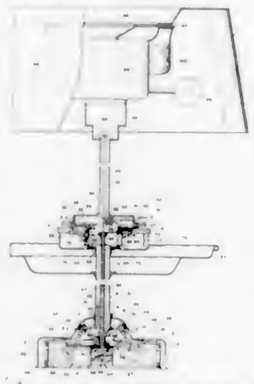
	Per cent
Silica (SiO_2)	78
Alumina (Al_2O_3)	12
Calcium oxide (CaO)	10

2,240,328

COMBINED LAMP AND RADIO RECEIVING SET

Daniel J. Crowley, Grosse Pointe, Mich.

Application November 22, 1937, Serial No. 175,922
10 Claims. (Cl. 250—14)



1. The combination with a hollow pedestal having a base also of hollow construction, of a chassis for radio receiving apparatus housed by the base and including a plurality of instrumentalities of a radio receiving circuit requiring adjustment, means for readily detachably securing the chassis as a unit in said base, a tuning dial assembly supported on the pedestal at a point remote from the base and including a pair of dial members concentric with and independently turnably mounted on the pedestal one above the other, a hollow shaft rotatably mounted in the pedestal and having the upper end connected to one of the dial members, a second shaft extending axially through the hollow shaft and having the upper end thereof connected to the other of the dial members, and means at the lower ends of each shaft for respectively removably connecting the shafts to instrumentalities in the chassis unit requiring adjustment.

2,240,329

DROPPER COMBINED WITH CAP FOR PHIALS AND THE LIKE

Robert Jean Marie Fialip, Paris, France, assignor to Lucien Picard, Frileuse par Briis-Sous-Forges, France

Application August 8, 1938, Serial No. 223,739
In Belgium August 9, 1937
5 Claims. (Cl. 221—148)



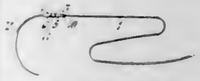
1. A dropper for phials, bottles or the like comprising an elastic substantially cylindrical body having a beak extending therefrom, a portion of said cylindrical body being projectable within the neck of said phial, retaining means positioned at one end of said portion for engagement with the wall within said neck to resist a pull of said body in outward direction, and adjustable holding means arranged adjacent the other end of said portion contracting the latter at the edge of said neck.

2,240,330

SURGICAL NEEDLE OR THE LIKE

Andrew B. Flagg, North Attleboro, and John A. Reese, Attleboro, Mass.

Application July 11, 1938, Serial No. 218,562
5 Claims. (Cl. 128—339)



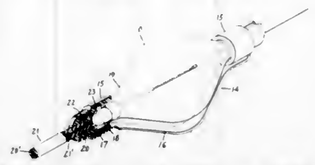
5. In combination, a suture having a fitting at its end and a surgical needle, said fitting and the end of the needle having male and female parts so constructed and arranged as to telescope one wholly within the other upon relative axial sliding movement to provide a continuation of the needle to the suture and an integral catch on one of the parts and a recess on the other part automatically engageable during axial sliding movement to detachably secure the fitting to the needle, and said fitting being removable from the needle by relatively turning the needle and fitting to displace the catch with respect to the recess.

2,240,331

LAMP STRING

Walter J. Geiger and Reginald J. Ayres, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York

Application October 30, 1937, Serial No. 171,932
11 Claims. (Cl. 240—10)



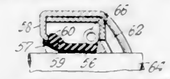
10. A holder for supporting a single double-ended lamp in a decorative lamp string comprising two spaced sockets each having a contact therein, a flexible conductor extending outwardly from each of said sockets and electrically connected to the contact therein, and a bridge member extending in a direction along the line between said sockets and connecting and holding said sockets in opposed relation, at least a portion of one of said sockets being relatively movable away from the other socket to permit insertion of the bases of a double-ended lamp in said sockets.

2,240,332

MOLDED FLUID SEAL WITH INTEGRAL HOUSING

William A. Heinze, Chicago, and Wilburn F. Bernstein, Brookfield, Ill., assignors to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois

Application January 28, 1939, Serial No. 253,324
1 Claim. (Cl. 288—3)



A fluid seal for sealing a pair of members such as a rotatable shaft and its surrounding housing against the escape or passage of lubricants, grease or other fluids, comprising an annular retaining shell of channel-shape adapted to be mounted upon one of said members and having spaced, substantially parallel side walls, one of said side walls having an inwardly projecting flange disposed at an acute angle with respect to the axis of the shell, a sealing element molded to the inwardly projecting flange and extending therefrom generally axially for sealing engagement with the other of said members, and a spring seating against and maintaining the free end of the sealing element in sealing contact with said other member.

2,240,333

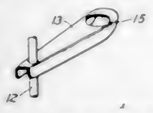
SUPPORT FOR GASEOUS DISCHARGE LAMPS

William F. Hodge, East Orange, N. J., assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application July 17, 1939, Serial No. 284,999
5 Claims. (Cl. 176—122)

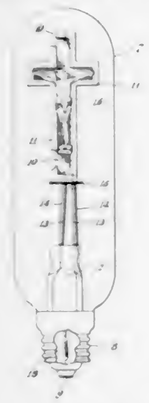
1. A support for the vitreous envelope of an electric gaseous discharge device, said support comprising a substantially rigid lead wire, and means to support opposite ends of the envelope in a fixed position with respect to said wire, at least one of said means consisting of a thin, metal support member mounted transversely to said lead wire, said member having an opening at one end thereof which just permits the pas-

sage of said lead wire therethrough and an opening at the opposite end thereof adapted to serve as a seat for the adjacent end of said envelope, said support member making a line contact with said envelope, the edges of said member being



bent to an angle of substantially 90° with the main portion, said main portion being of substantial width, said edges converging into contact with said lead wire and being welded thereto on both sides thereof.

2,240,334
GLOW LAMP
Philip J. Kayatt, New York, N. Y.
Application August 2, 1940, Serial No. 349,838
4 Claims. (Cl. 176—14)



1. In a gas glow lamp, two electrodes arranged so as to be unequally illuminated by cathode glow during excitation of the lamp upon either direct or alternating current, the more-illuminated electrode having an opening therein, the less-illuminated electrode being so situated as to be at least partly visible through said opening in the more-illuminated electrode and an electrically unconnected silhouette located so as to be visible against the less-illuminated electrode as a background, said less illuminated electrode and said silhouette being located upon opposite sides of said more illuminated electrode and said silhouette being at a distance from the illuminated electrode sufficiently great so as to allow free formation of said cathode glow upon said illuminated electrode.

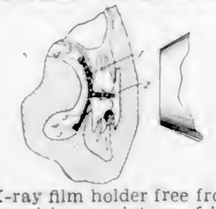
2,240,335
FUEL AND FUEL PACKAGE
Alvin R. Keil, Rochester, N. Y.
Application November 29, 1938, Serial No. 242,973
1 Claim. (Cl. 44—40)

A fuel package comprising a closed container of readily combustible material such as paper packed with lumbs of charcoal having particles of wax affixed to relatively small portions of the surfaces of the lumps of charcoal, said wax acting to effect the ignition of the charcoal, the remaining portions of the surfaces and the body



portions of the lumps of charcoal being free from wax.

2,240,336
DENTAL X-RAY FILM HOLDER
Raymond L. Kreider, Erie, Pa.
Application August 14, 1940, Serial No. 352,531
1 Claim. (Cl. 250—70)



A dental X-ray film holder free from secondary radiation comprising a mixture of ingredients in the following approximate proportions and weight:

	Per cent
Pure gum rubber	95
Sulphur	2½
A reaction product of a formaldehyde and an aliphatic amine	2½

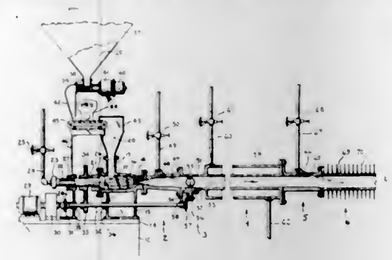
2,240,337
UNIVERSAL LEVEL
Joseph P. Lannen, Detroit, Mich.
Application January 29, 1940, Serial No. 316,202
5 Claims. (Cl. 33—212)



1. A universal level comprising an open-topped vessel, a transparent cover plate for such vessel having its bottom face forming a substantially spherical concavity, a liquid in the vessel contacting said bottom face and freely confining a bubble of gas against such face, means establishing a liquid seal between the vessel and margin of the plate, a second transparent cover plate freely resting on the first mentioned plate and marked with concentric circular graduations for measuring the extent of outward travel of the bubble upon tilting of the level, and confined to center the graduations substantially at the central axis of said concavity.

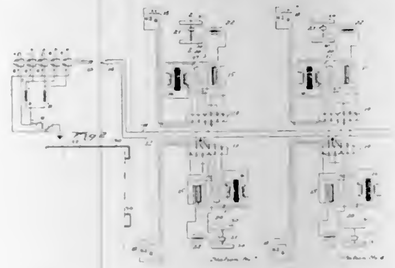
2,240,338
METHOD AND APPARATUS FOR COOKING SUBSTANCES
Arthur A. Locke, Detroit, Mich.
Application March 1, 1940, Serial No. 321,633
18 Claims. (Cl. 53—18)

3. A system for continuously mixing materials comprising means forming a conduit for conveying the materials and means for injecting measured quantities of different materials into the



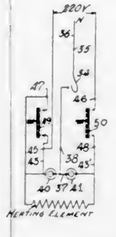
conduit, the movement of the materials within the conduit being caused by the pressure of materials introduced.

2,240,339
TELEPHONE SIGNALING SYSTEM
Kenneth M. Lord, Canandaigua, and Glenn E. Warren, Honeoye Falls, N. Y., assignors to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application June 8, 1939, Serial No. 278,122
2 Claims. (Cl. 179—86)



1. In a superimposed signaling system for a telephone circuit including a plurality of subscribers' stations, a central station, signaling circuits connecting the central station with the subscribers' stations, and means at the central station for feeding a direct current superimposed on an alternating current over said signaling circuits from the central station to the subscribers' stations, the combination with a chime signal including a chime element and resonance chamber at each subscriber's station, of a solenoid at each subscriber's station having a plunger carrying a striker engageable with said chime element, said solenoid being in the said subscriber's circuit and operated by said signaling current from the central station, a rectifier interposed in the circuit at each subscriber's station in series with said solenoid and acting to permit free passage of direct current and consequent operation of the solenoid when the direct current is traveling in one direction and to prevent passage of an effective amount of current and consequently render said solenoid idle when the direct current is traveling in the opposite direction, said rectifiers being oppositely arranged at the two stations whereby the solenoid and chime signal may be selectively operated at any subscriber's station by means of current from the central station.

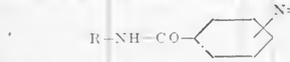
2,240,340
STOVE
Herbert E. Mills and Ervern F. Dupuis, Detroit, Mich., assignors to Borg-Warner Corporation, a corporation of Illinois
Application August 21, 1936, Serial No. 97,124
2 Claims. (Cl. 177—311)



1. In a stove, a pair of switch terminals connected to a source of high potential, a pair of contacts having an electric heating element for the oven of said stove electrically connected thereto, a neutral line, an electric signal operatively connected to said line and to one of said terminals, a second electric signal of a different character than said first-mentioned signal operatively connected to said line and to one of said contacts, said terminals and contacts comprising a part of a control switch which includes a movable member operable for connecting said contacts to said terminals so as to energize said heating element and said second signal, means for actuating said movable member to open and close the circuit through said heating element and second signal, thermal responsive means for operating said actuating means to open and close the circuit through said heating element and second signal, and manual means for operating said actuating means so as to select the temperature range in which said thermal responsive means will operate and locking said movable member against closing the circuit when the manual means is in off position, and switch means opened by such locking action included in the circuit of at least said first-mentioned signal.

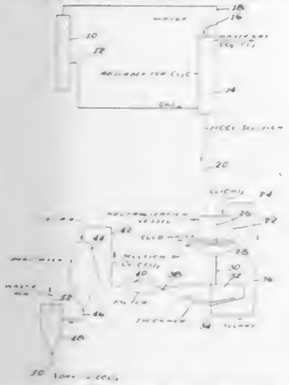
2,240,341
AZO DYESTUFFS
Henry Mirocourt, Sotteville - les - Rouen, and Marcel Georges Jirou, Rouen, France, assignors to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a corporation of France
No Drawing. Application July 17, 1937, Serial No. 154,196. In France July 23, 1936
4 Claims. (Cl. 260—163)

1. Acid mono dyestuffs, of yellow, orange, and red shades, having the general formula:



in which R represents a radicle of the cyclohexane series and R_1 stands for a member of the group consisting of the naphtol monosulfonic acids, naphtol polysulfonic acids, acylaminonaphtol monosulfonic acids, acylaminonaphtol-polysulfonic acids, and arylpyrazolonsulfonic acids, said dyestuffs having a very great brightness in the tone of their shades and possessing a good evenness and fastness to washing, carbonizing, perspiration, sulphur, alkali lyes and light.

2,240,342
MANUFACTURE OF CHLORINE COMPOUNDS
Irving E. Muskat, Akron, and George H. Cady, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application September 30, 1937, Serial No. 166,516
2 Claims. (Cl. 23—152)



1. A process of preparing hypochlorous acid which comprises contacting chlorine with an oxide of a metal of the group consisting of mercury and silver for a time sufficient to convert only a portion of the chlorine into chlorine monoxide thereby producing a mixture containing substantial amounts of chlorine and chlorine monoxide, contacting the mixture with an amount of water sufficient to absorb a substantial amount of chlorine monoxide without substantial absorption of chlorine and recycling at least a portion of the chlorine to form more chlorine monoxide.

2,240,343
MATERIAL TREATMENT
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 26, 1937, Serial No. 176,647
17 Claims. (Cl. 134—58)

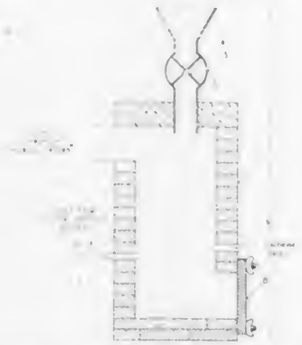


1. The method of producing titanium dioxide suitable for use as a pigment which comprises subjecting vaporized titanium halide to thermal decomposition by means of oxygen within a reaction chamber and minimizing crystal formation by maintaining the titanium halide vapor out of substantial contact with hot surfaces within the chamber during the major portion of said decomposition.

2,240,344
PREPARATION OF HYPOCHLOROUS ACID
Irving E. Muskat, Akron, and George H. Cady, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application July 23, 1938, Serial No. 221,018
16 Claims. (Cl. 23—152)

1. The process of preparing hypochlorous acid which comprises treating a body of chlorine and a diluent to convert only a minor portion of the chlorine into chlorine monoxide leaving a substantial portion of the chlorine unconverted, contacting the resulting mixture comprising chlorine and chlorine monoxide with a quantity of water sufficient to absorb a substantial amount of the chlorine monoxide but insufficient to dissolve a substantial quantity of chlorine and recycling the unabsorbed chlorine to form more chlorine monoxide.

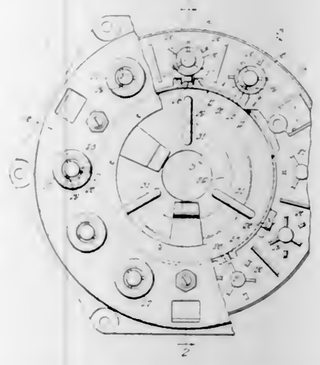
2,240,345
PRODUCTION OF CHROMIC CHLORIDE
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 23, 1939, Serial No. 310,710
11 Claims. (Cl. 75—112)



1. A continuous method of chlorinating a chromium bearing ore containing in excess of 10 percent chromium which comprises chlorinating a mixture of said ore and carbon in the reaction zone of a reactor and introducing said ore, chlorine and carbon into the reactor at such a rate that sufficient heat is evolved from the reaction to maintain the temperature at not less than 850° C. without externally heating the zone, whereby chromium chloride is formed and volatilized.

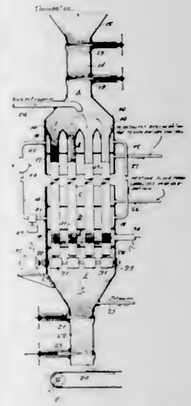
2,240,346
FRICTION CLUTCH
Harold Nutt and Harold V. Reed, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 23, 1938, Serial No. 191,987
9 Claims. (Cl. 192—68)

1. In a friction clutch, in combination with an annular pressure plate formed with spring positioning lugs, a shaft extending axially therethrough and spaced therefrom by an annular opening, and circumferentially spaced springs positioned by said lugs and engaging said pressure plate for moving it in clutch engaging direction, a baffle plate covering said annular opening, said baffle plate having peripheral portions extending between the associated bearing portions of the springs and plates and being



thereby engaged and supported, said peripheral portions extending only part way between said bearing portions so as to terminate short of said positioning lugs.

2,240,347
CATALYTIC CONVERSION SYSTEM
James M. Page, Jr., Chicago, Ill., and Vanderveer Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1938, Serial No. 248,855
11 Claims. (Cl. 196—52)

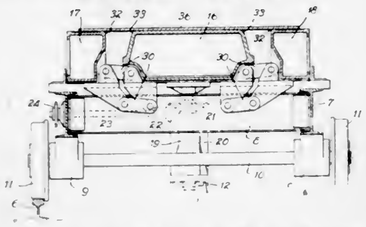


8. In a catalytic conversion system employing moving catalyst beds in a plurality of vertical tubes, means for passing a fluid through said tubes in contact with catalyst beds, a movable belt positioned under the lower ends of said tubes and sufficiently close thereto to prevent free flow of catalyst, means for supporting said belt under said tubes, means for moving said belt, means for depositing on said belt from each tube a layer of catalyst material, and means cooperating with said belt for regulating the thickness of the layer of catalyst material which is deposited by each tube.

2,240,348
PRINTED SAUSAGE CASING AND THE LIKE
John H. Payton, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 1, 1938, Serial No. 188,187
4 Claims. (Cl. 41—33)

1. The process of inscribing on substantially dry animal casings which comprises applying a transfer sheet having a coated heat-transferable surface to the animal casing with the coated surface in contact therewith, and applying a heated die carrying the inscription it is desired to transfer to the casing to cause the inscription carried by the die to be transferred from the transfer sheet to the animal casing.

2,240,349
METHOD OF AND APPARATUS FOR MAKING STRUCTURAL GLASS
Frank W. Preston, Butler, Pa.
Application October 14, 1938, Serial No. 234,987
11 Claims. (Cl. 49—22)



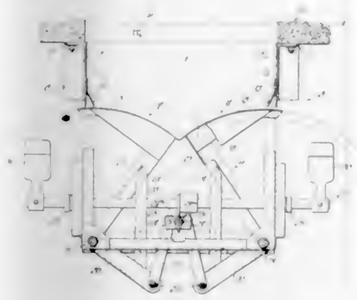
1. The method of forming flat glass sheets into structural shapes, which comprises supporting a glass sheet, while in a heated plastic condition, by elements disposed along its mid portion and along areas adjacent to its marginal edge portions, and effecting bending of the glass by shifting movements of such elements, in directions perpendicular to the plane of the sheet, and laterally toward said mid portion.

7. Apparatus for shaping sheets of glass, while in a heated plastic condition, which comprises a table having a central glass-supporting platen and auxiliary supporting platens adjacent to the edges of the first-named platen, but spaced therefrom, means for shifting the said central platen in a direction perpendicular to the plane of the table, and means for simultaneously moving the said auxiliary platens toward the first-named platen.

2,240,350
COALING GATE
Clyde P. Ross, Kenilworth, Ill., assignor to Ross and White Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1939, Serial No. 268,875
4 Claims. (Cl. 221—144)

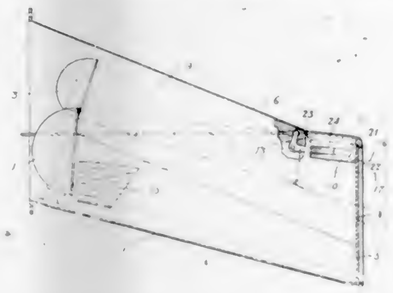
1. In combination, a downwardly inclined generally cubiform discharge chute, a pair of gates pivoted for movement toward and away from each other transversely of the bottom wall of said chute about axes substantially perpendicular to said wall, an operating shaft rockably mounted on said chute extending over said gates transversely of and substantially parallel to said bottom wall, said shaft being disposed adjacent and in rear of the pivot axes of said gates and extending laterally of said chute therebeyond, operating means providing an arm and an operating lever fixed on said shaft and extending up-

ward and forward therefrom when said gates are closed, operating arms disposed above and secured to said gates at the pivot axes of the latter extending therefrom inward of said chute transversely thereof, links pivoted to the inner ends of said arms and to said arm fixed to said shaft,



for opening and closing said gates responsive to upward and downward movement of said lever, an operating rod depending from the upper end of said lever for moving the latter upward and downward, and counterweight means on said laterally extending portion of said shaft urging said gates in opening direction.

2,240,351
HEADLIGHT
Peter J. Savage, Iron River, Wis.
Application April 18, 1940, Serial No. 330,380
9 Claims. (Cl. 240—45)



1. A headlight for automobiles comprising in combination a rectangularly shaped, forwardly declining, projector housing, all four walls of which converge toward the smaller forward end thereof, a light projecting unit within the rear end thereof, light deflecting surfaces in the top and upper portions only of the sides of said housing, stationary deflecting elements mounted in the rear of the housing and positioned in front of the lower portion of said light unit, a group of parallel vertically adjustable deflecting elements in the upper portion of the forward end of said housing, said latter deflecting elements being for optional subjection of glare from said light unit, and being parallel with, but in planes above that of the first mentioned deflectors, whereby a direct beam of light may pass longitudinally through said housing between the rear and front deflectors.

2,240,352
GLASS
Rudolf Schmidt, Weisswasser, Oberlausitz, and Walter Hänlein, Berlin-Spandau, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. **Application February 8, 1938, Serial No. 189,452. In Germany February 18, 1937**
3 Claims. (Cl. 106—36.1)

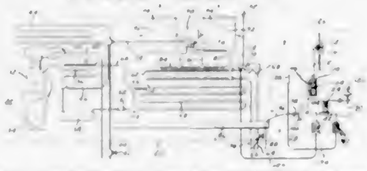
1. A glass resistant to hot, ionized alkali metal vapor when at a temperature of 300° C., said glass being capable of fusion with a non-alkali vapor resistant, soft soda glass having a coefficient of expansion of about 80 to 90×10^{-7} to form a two layer glass container for an alkali vapor discharge lamp, said resistant glass consisting of about 20 to 30% boric anhydride (B_2O_3), about 20 to 30% alumina (Al_2O_3), about 4 to 9% silica (SiO_2), about 30 to 40% alkaline earths and about 6 to 10% alkalies.

2,240,353
HIGH-PRESSURE METAL-VAPOR ELECTRIC DISCHARGE LAMP
Karl Gustav Schnetzler, Wembley Park, England, assignor to General Electric Company, a corporation of New York
Application March 11, 1939, Serial No. 261,390
In Great Britain March 11, 1938
2 Claims. (Cl. 176—122)



1. A high efficiency discharge lamp having a particular power input rating and including spaced electrodes, an enclosure for the electrodes which is of such construction and proportions as to assure the attainment of an operating temperature of at least several hundred degrees centigrade when the lamp is operated at its said rated power input, a quantity of thallium within the said enclosure, and a quantity of mercury within the enclosure sufficient to develop a vapor pressure at the said operating temperature in excess of the thallium pressure at such temperature but insufficient to produce a condition of mercury vapor saturation, whereby both the thallium and mercury are enabled to generate light on an efficient basis.

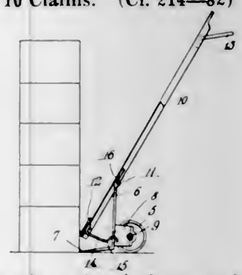
2,240,354
REFRIGERATING APPARATUS
Nelson J. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 29, 1935, Serial No. 13,711
Renewed November 2, 1939
9 Claims. (Cl. 236—91)



1. Air conditioning means including a source of external air, a source of internal air, damper means for alternately shutting off the supply of internal and external air, means for changing the temperature of the air, manual control means having a yielding connection with said damper means and provided with a setting for

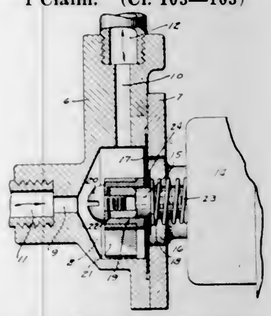
shutting off the source of internal air, and means responsive to the temperature of said temperature changing means for moving said damper means to shut off the supply of external air even when the manual control means is set to shut off the supply of internal air.

2,240,355
TRUCK
Owen M. Swimley, Washington, D. C., assignor of one-half to Dwight B. Galt, Hyattsville, Md.
Application November 25, 1938, Serial No. 242,351
10 Claims. (Cl. 214—82)



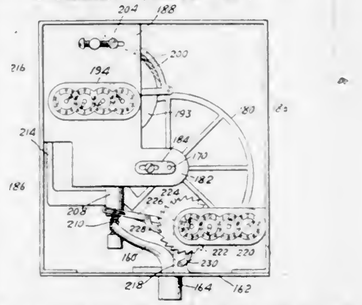
1. In a truck, a chassis frame, a load rest on said frame, a unitary load engaging member hinged to said frame and comprising an operating handle for the truck, said member adapted to sustain a substantial part of the load when the truck is in tilted position a part of said frame overlying said chassis frame, and means releasably holding said member and frame in load sustaining alinement.

2,240,356
FLUID PRESSURE PUMP
Gordon H. Tessmer, Minneapolis, Minn., assignor to Warner Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application July 1, 1939, Serial No. 282,562
1 Claim. (Cl. 103—103)



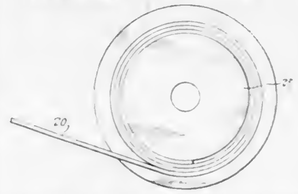
A fluid pump of the circulator type comprising a casing having a cylindrical pressure chamber open at one end of said casing and being closed at its opposite end by an inwardly recessed casing wall, an inlet port leading axially into said chamber through the recess in said end wall, an outlet leading radially through said casing from the cylindrical wall of said chamber, a flexible diaphragm secured over the open end of said chamber and providing a flexible end wall therefor, a rotary shaft extending through said diaphragm and terminating within said chamber, a hub mounted on said shaft within said chamber and having a radially extending flange in frictional sealing engagement with the inner side of said diaphragm, a propeller of materially less dimensions than said pressure chamber mounted on said hub and spaced from the end walls of said chamber by engagement with one side of said flange, and a cooperating sealing member surrounding said shaft and yieldably engaging the outer side of said diaphragm to maintain a fluid seal between said shaft and diaphragm under relative axial and lateral vibrations of said propeller and casing.

2,240,357
FLUID METER
Walter C. Wagner, Ardmore, Pa.
Application December 13, 1937, Serial No. 179,402
6 Claims. (Cl. 73—233)



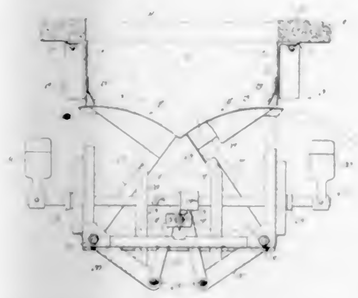
1. In a pressure compensator for a flow meter having a dial register and having a pressure-responsive element; a register-operating mechanism comprising, a cam rotated in response to movements of said element, a fixed stop, a movable element whose movement is limited in one direction by said cam and in the other direction by said fixed stop, an electro-magnet arranged to be energized intermittently by said flow meter, an armature arranged to be attracted by said electro-magnet when energized and to move by gravity when electro-magnet ceases to be energized, said armature being arranged to move said movable element during a portion of the gravity-actuated movement of said armature, and means for driving said dial register during the movement of said movable element in response to actuations of said armature.

2,240,358
FRICTION-DISK AND METHOD OF MAKING THE SAME
Gustav Walters, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut
Application December 14, 1939, Serial No. 309,152
10 Claims. (Cl. 192—107)



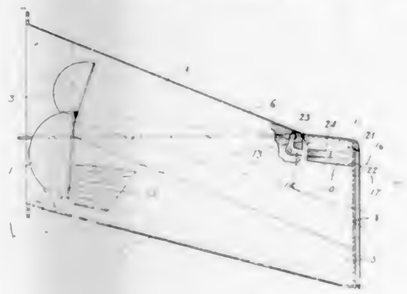
1. A friction-disk formed of a spirally-wound member comprising strands loosely interlaced and forming a flattened tube of considerably greater width than thickness, the strands of the

ward and forward therefrom when said gates are closed, operating arms disposed above and secured to said gates at the pivot axes of the latter extending therefrom inward of said chute transversely thereof, links pivoted to the inner ends of said arms and to said arm fixed to said shaft,



for opening and closing said gates responsive to upward and downward movement of said lever, an operating rod depending from the upper end of said lever for moving the latter upward and downward, and counterweight means on said laterally extending portion of said shaft urging said gates in opening direction.

2,240,351
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Peter J. Savage, Iron River, Wis.
Application April 18, 1940, Serial No. 330,380
9 Claims. (Cl. 240—45)

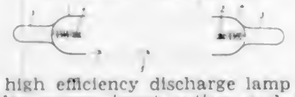


1. A headlight for automobiles comprising in combination a rectangularly shaped, forwardly declining, projector housing, all four walls of which converge toward the smaller forward end thereof, a light projecting unit within the rear end thereof, light deflecting surfaces in the top and upper portions only of the sides of said housing, stationary deflecting elements mounted in the rear of the housing and positioned in front of the lower portion of said light unit, a group of parallel vertically adjustable deflecting elements in the upper portion of the forward end of said housing, said latter deflecting elements being for optional subjection of glare from said light unit, and being parallel with, but in planes above that of the first mentioned deflectors, whereby a direct beam of light may pass longitudinally through said housing between the rear and front deflectors.

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No Drawing. Application February 8, 1938, Serial No. 189,452. In Germany February 18, 1937
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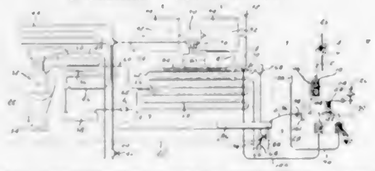
1. A glass resistant to hot, ionized alkali metal vapor when at a temperature of 300° C., said glass being capable of fusion with a non-alkali vapor resistant, soft soda glass having a coefficient of expansion of about 80 to 90×10^{-7} to form a two layer glass container for an alkali vapor discharge lamp, said resistant glass consisting of about 20 to 30% boric anhydride (B_2O_3), about 20 to 30% alumina (Al_2O_3), about 4 to 9% silica (SiO_2), about 30 to 40% alkaline earths and about 6 to 10% alkalies.

2,240,353
HIGH-PRESSURE METAL-VAPOR ELECTRIC DISCHARGE LAMP
Karl Gustav Schnetzler, Wembley Park, England, assignor to General Electric Company, a corporation of New York
Application March 11, 1939, Serial No. 261,390
In Great Britain March 11, 1938
2 Claims. (Cl. 176—122)



1. A high efficiency discharge lamp having a particular power input rating and including spaced electrodes, an enclosure for the electrodes which is of such construction and proportions as to assure the attainment of an operating temperature of at least several hundred degrees centigrade when the lamp is operated at its said rated power input, a quantity of thallium within the said enclosure, and a quantity of mercury within the enclosure sufficient to develop a vapor pressure at the said operating temperature in excess of the thallium pressure at such temperature but insufficient to produce a condition of mercury vapor saturation, whereby both the thallium and mercury are enabled to generate light on an efficient basis.

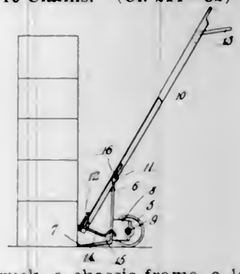
2,240,354
REFRIGERATING APPARATUS
Nelson J. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 29, 1935, Serial No. 13,711
Renewed November 2, 1939
9 Claims. (Cl. 236—91)



1. Air conditioning means including a source of external air, a source of internal air, damper means for alternately shutting off the supply of internal and external air, means for changing the temperature of the air, manual control means having a yielding connection with said damper means and provided with a setting for

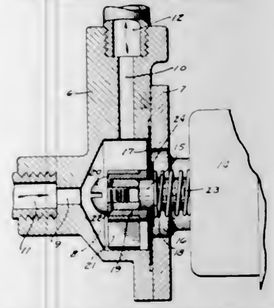
shutting off the source of internal air, and means responsive to the temperature of said temperature changing means for moving said damper means to shut off the supply of external air even when the manual control means is set to shut off the supply of internal air.

2,240,355
TRUCK
Owen M. Swimley, Washington, D. C., assignor of one-half to Dwight B. Galt, Hyattsville, Md.
Application November 25, 1938, Serial No. 242,351
10 Claims. (Cl. 214—82)



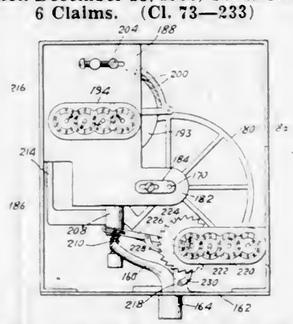
1. In a truck, a chassis frame, a load rest on said frame, a unitary load engaging member hinged to said frame and comprising an operating handle for the truck, said member adapted to sustain a substantial part of the load when the truck is in tilted position a part of said frame overlying said chassis frame, and means releasably holding said member and frame in load sustaining alinement.

2,240,356
FLUID PRESSURE PUMP
Gordon H. Tessmer, Minneapolis, Minn., assignor to Warner Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application July 1, 1939, Serial No. 282,562
1 Claim. (Cl. 103—103)



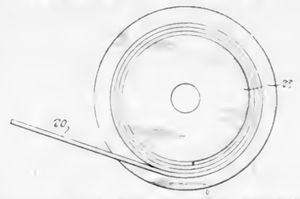
A fluid pump of the circulator type comprising a casing having a cylindrical pressure chamber open at one end of said casing and being closed at its opposite end by an inwardly recessed casing wall, an inlet port leading axially into said chamber through the recess in said end wall, an outlet leading radially through said casing from the cylindrical wall of said chamber, a flexible diaphragm secured over the open end of said chamber and providing a flexible end wall therefor, a rotary shaft extending through said diaphragm and terminating within said chamber, a hub mounted on said shaft within said chamber and having a radially extending flange in frictional sealing engagement with the inner side of said diaphragm, a propeller of materially less dimensions than said pressure chamber mounted on said hub and spaced from the end walls of said chamber by engagement with one side of said flange, and a cooperating sealing member surrounding said shaft and yieldably engaging the outer side of said diaphragm to maintain a fluid seal between said shaft and diaphragm under relative axial and lateral vibrations of said propeller and casing.

2,240,357
FLUID METER
Walter C. Wagner, Ardmore, Pa.
Application December 13, 1937, Serial No. 179,402
6 Claims. (Cl. 73—233)



1. In a pressure compensator for a flow meter having a dial register and having a pressure-responsive element; a register-operating mechanism comprising, a cam rotated in response to movements of said element, a fixed stop, a movable element whose movement is limited in one direction by said cam and in the other direction by said fixed stop, an electro-magnet arranged to be energized intermittently by said flow meter, an armature arranged to be attracted by said electro-magnet when energized and to move by gravity when electro-magnet ceases to be energized, said armature being arranged to move said movable element during a portion of the gravity-actuated movement of said armature, and means for driving said dial register during the movement of said movable element in response to actuations of said armature.

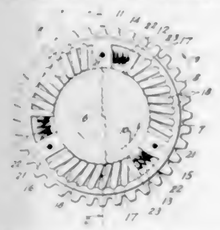
2,240,358
FRICTION-DISK AND METHOD OF MAKING THE SAME
Gustav Walters, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut
Application December 14, 1939, Serial No. 309,152
10 Claims. (Cl. 192—107)



1. A friction-disk formed of a spirally-wound member comprising strands loosely interlaced and forming a flattened tube of considerably greater width than thickness, the strands of the

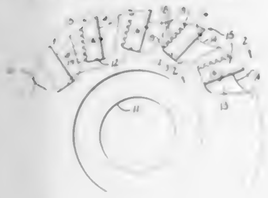
member having been treated with heat-hardenable binding material prior to the member being spirally wound, the side edges of the flattened tube forming the side edges of the convolutions of the spirally-wound member, and the spirally-wound member having been subjected to heat and axial pressure to cause the spirally-wound member to form a unitary disk.

2,240,359
CLUTCH
Daniel Michel Welgel, Cleveland, Ohio
Application February 11, 1939, Serial No. 255,936
14 Claims. (Cl. 192—45.1)



1. An overrunning clutch including a driving and a driven member, means for supporting said members in spaced relation to each other, friction means for providing a driving connection between said members and including a plurality of pawls pivoted to one of said members at spaced points from each other and frictionally engaging a smooth surface on the other of said members, said pawls having contact faces in engagement with each other, said contact faces being so curved that all of said pawls make the same angle with said smooth surface.

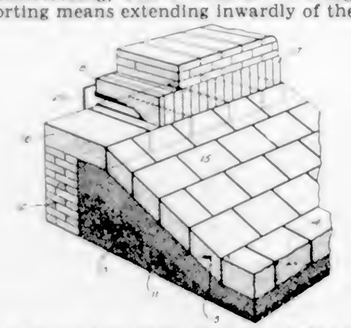
2,240,360
ROTARY CUTTER
George F. Whitman, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application February 27, 1939, Serial No. 258,644
11 Claims. (Cl. 29—105)



11. For use in a rotary cutter of the type described, an insertable blade fashioned in generally block-like form of cutting material with a marginal cutting edge thereon, and having a series of integral longitudinally tapered wedge elements on one side face thereof each longitudinally offset with respect to the next adjacent element.

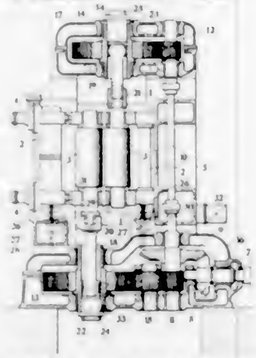
2,240,361
GLASS MELTING FURNACE
Paul G. Willetts, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application April 26, 1938, Serial No. 204,260
3 Claims. (Cl. 49—54)

1. A glass melting tank comprising a glass-containing basin, a breast wall having a lower course formed of blocks, the vertical faces of which are substantially horizontally corrugated and interlocking, and a combined cooling and supporting means extending inwardly of the wall



for a major portion of the thickness of the breast wall, said cooling and supporting means being in intimate contact with the breast wall and the basin, whereby in the event one of the breast wall blocks cracks, the pieces thereof will be retained in position by the contiguous blocks.

2,240,362
ROLLING MILL
Karl Backhaus, Duisburg, Germany, assignor to Demag Aktiengesellschaft, Duisburg, Germany
Application February 16, 1939, Serial No. 256,738
In Germany February 25, 1938
3 Claims. (Cl. 80—31.1)

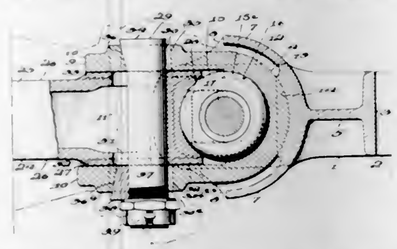


1. A roll stand, comprising a housing with two rolls vertically arranged therein, a horizontal drive shaft, and a vertical shaft, an angle drive from the horizontal drive shaft to the vertical shaft, cylindrical pinions on said vertical shaft above and below the rolls, spur wheels, that are driven from the pinions, arranged in said housing above and below the rolls, the spurwheel arranged underneath the rolls coupled with the one roll and the spurwheel arranged above the rolls coupled with the other roll.

2,240,363
DRAFT RIGGING
Donald S. Barrows and Emil H. Blattner, Rochester, N. Y., assignors to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application April 27, 1937, Serial No. 139,278
23 Claims. (Cl. 213—71)

2. In a draft rigging, in combination, a hood-

ed yoke, a supplementary yoke having an arcuate portion thereof positioned within the hood, said arcuate portion being adapted to transmit buffing forces to said yoke and provided with an inner concave and an outer convex surface, said outer surface being associated with a surface carried by said yoke, a coupler stem adjustably connected to said supplementary yoke and adapted to be moved longitudinally of said sup-



plementary yoke, said coupler stem having the rear portion thereof formed with a concave surface, means interposed between and concentric with the concave surfaces of the coupler stem and arcuate portion of said supplementary yoke, and means adjustably connecting said interposed means and yoke, said coupler stem and supplementary yoke being adapted for angling movement about said interposed means with respect to the yoke.

2,240,364
METHOD OF TREATING THE INTERIORS OF CONTAINERS
Samuel F. Kimball and George A. Doty, Portland, Maine, assignors to The Portland Company, Portland, Maine, a corporation of Maine
Application January 20, 1939, Serial No. 252,031
15 Claims. (Cl. 141—6)

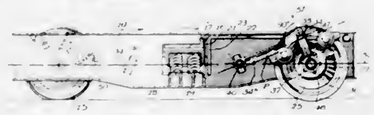


1. The method of treating the interiors of containers of the type having relatively small openings that comprises positioning a container to establish a lowest point in its interior below and accessible downwardly through its opening, delivering a stream of liquid into said container through its opening, simultaneously exhausting liquid from said container through said opening in an exhaust stream of at least the volume of said stream of delivered liquid by means of suction applied at a point sufficiently above said lowest point to ensure the uninterrupted flow of liquid intermediate said streams to maintain said container practically free of accumulated liquid, directing said delivered liquid as force spray against interior surfaces of the container to ensure the treatment of the entire interior surfaces of said container, and terminating the delivery of liquid, delivering a drying fluid into the interior of said container and directing said delivered fluid against interior surfaces of said container and exhausting the residual liquid and moisture laden atmosphere from the container by means of suction applied at said suction point during the delivery of said fluid.

2,240,365
METHOD OF TREATING TALL OIL
Emil Edward Dreger, Summit, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 11, 1939, Serial No. 283,861
11 Claims. (Cl. 260—97.5)

4. The process which comprises heating tall oil with sufficient alkaline material to neutralize substantially all the carboxylic acids therein, in an inert atmosphere and in the substantial absence of air and liquid water, to a temperature above the melting point of the resulting substantially anhydrous soap, while passing an inert gas therethrough whereby volatile, non-saponified materials are vaporized.

2,240,366
BRAKE
Rupen Eksergian, Lansdowne, Pa., and Carolus L. Eksergian, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 19, 1937, Serial No. 159,862
6 Claims. (Cl. 188—59)

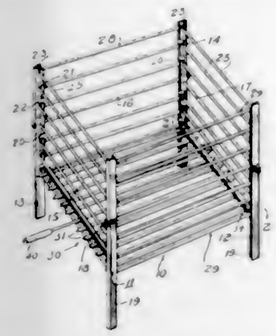


1. In a railway truck having a frame, a plurality of longitudinally spaced supporting wheels, similarly spaced means to resiliently support said frame from said wheels, a brake disc rotatable with each said wheels, a brake shoe movable into contact therewith, a support for said brake shoe, said support being attached to the frame at an angle to the horizontal plane of the wheel axles such that the change of loading on the resilient supporting means at opposite ends of the truck frame due to the braking is balanced by vertical components of the braking torque.

2,240,367
HEATER
Emil G. Fernholtz, Merced, Calif., assignor of one-half to E. A. Jackson, Merced, Calif.
Application April 8, 1939, Serial No. 266,789
3 Claims. (Cl. 126—59.5)

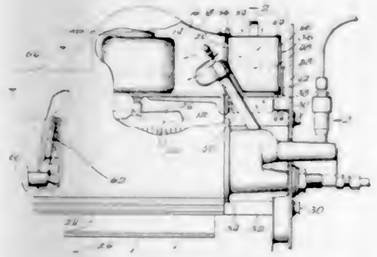
1. An orchard heater comprising a plurality of channeled corner posts arranged in rectangular formation, bolt rods detachably securing said posts together, one leg of each of said channeled posts having a plurality of angular slots therein, rods removably mounted in the slots in said posts and forming a pair of sides walls of said heater, other rods disposed in the channels of said posts and supported by the rods

mounted in the slots of said posts and forming a pair of side walls, and a fuel supporting bot-



tom removably mounted on a pair of the lowermost oppositely disposed side wall rods.

2,240,368
AUTOMOBILE HEATER FILTER
Arden W. Le Fevre, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 26, 1938, Serial No. 231,765
3 Claims. (Cl. 183—49)



1. An air purifying cartridge for a forced circulation automobile heater or the like having a shell defining a compartment with an intake opening comprising a metal frame following the sectional contour of said shell at said opening, said cartridge being exposed to the ingress of air on all but one of its surfaces, permeable fabricated members supported by said frame and forming the sides of said cartridge, activated carbon in said container holding said members in place, and means for handling said cartridge for installing and removing it.

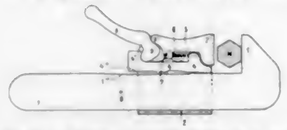
2,240,369
WINDSHIELD WIPER BLADE AND ARM ASSEMBLY
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application September 29, 1936, Serial No. 103,140
8 Claims. (Cl. 15—250)

1. In a window wiper blade, a wiping element, a channelled holder engaging said wiping element, and an attaching clip rigidly mounted on said holder and having a medially slotted pair of spaced upwardly extending and laterally resilient members adapted to be forced towards each other, said forcing action being resisted by the resiliency



of the members and limited by the space between them.

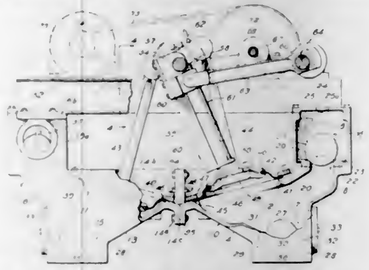
2,240,370
ADJUSTABLE WRENCH
Alfred Hufschmid, Zurich, Switzerland
Application January 10, 1939, Serial No. 250,239
In Switzerland October 15, 1938
1 Claim. (Cl. 81—149)



An adjustable wrench comprising a shank having a fixed jaw at one end, a movable jaw slidably mounted upon the shank, said movable jaw having a recessed portion disposed adjacent the shank and spaced lugs extending into said recess, a locking pawl mounted in said recess and having an upstanding head disposed between said lugs, a pressure spring disposed between the rear lug and pawl and urging the pawl into engagement with the shank, a second pressure spring interposed between the rear lug and the upstanding head and urging the pawl forwardly in said recess, and a pawl operating lever having a cam-shaped end disposed in said recess and interposed between a curved projection at the rear end of said pawl and a curved portion at the rear end of said movable jaw, said lever when moved to one position raising the pawl out of engagement with the shank and when moved to a second position forcing the pawl into locking engagement with the shank.

2,240,371
PUMP
Harry A. Linch and Charles H. Scott, Westport, Conn., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application December 14, 1939, Serial No. 309,138
15 Claims. (Cl. 103—150)

1. A double acting pump comprising a two-chamber pump housing having a pair of individual pump chambers side by side, a substantially horizontally extending frame disposed above and supported upon said pump housing at points represented by the respective outer end portions of the two pump chambers and which points are opposed to one another, a pair of reciprocable liquid displacing elements operable in alternation in the respective pump chambers,



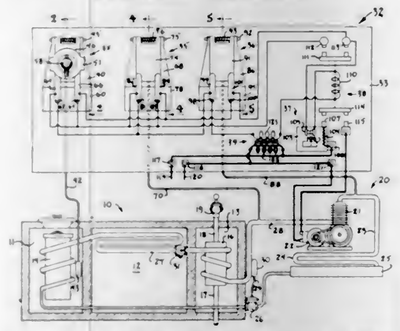
drive means mounted upon said frame, for actuating said liquid displacing elements.

2,240,372
SUPERHEATER ELEMENT
André Huet, Paris, France
Application June 4, 1940, Serial No. 338,718
In France May 25, 1939
1 Claim. (Cl. 122—462)



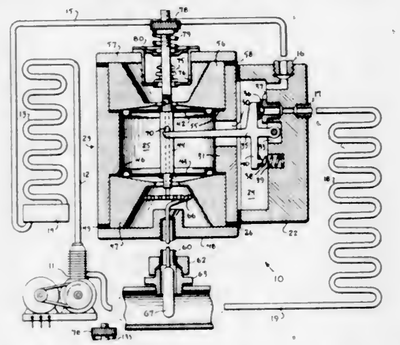
In a tubular heat exchange superheater element disposed in the flue of a fire tube boiler and having a plurality of inlet sections joined outside the flue by a breeches piece and disposed about an outlet section for superheated steam, said inlet and outlet sections communicating at their inner ends and their outer ends being rigidly connected to saturated and superheated steam headers, respectively; and expansion bends formed in each inlet section from portions thereof contiguous to said breeches piece.

2,240,373
REFRIGERATION CONTROL SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 17, 1938, Serial No. 196,449
30 Claims. (Cl. 62—4)



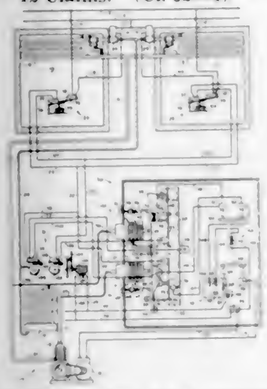
1. In a mechanical refrigerating apparatus having a compressor and evaporator means for controlling the temperature condition of a medium, the combination of, means responsive to the temperature condition of the medium being controlled by the evaporator means, means responsive to a condition which is a measure of the temperature of the evaporator means, control means controlled by both of said condition responsive means for starting the compressor when either the temperature condition of the medium being controlled by the evaporator means or the condition which is a measure of the temperature of the evaporator means rise to predetermined values and for continuing operation of the compressor until both the temperature condition of the medium being controlled by the evaporator means and the condition which is a measure of the temperature of the evaporator means decrease to predetermined lower values.

2,240,374
EXPANSION VALVE
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 8, 1938, Serial No. 223,601
7 Claims. (Cl. 62—8)



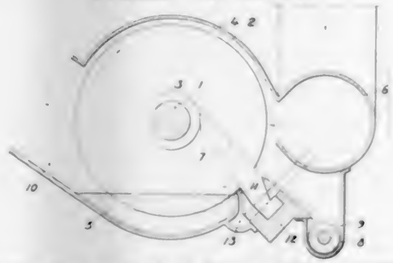
3. In a refrigerating system including an evaporator, means for controlling the flow of refrigerant to the evaporator, said means comprising a valve body separated by an apertured wall into a valve chamber and an operating chamber, said valve chamber including an inlet and an outlet, a valve member in said valve chamber for controlling the flow of refrigerant from the inlet to the outlet, an operating arm for controlling the position of said valve member and extending through the aperture in said wall, a member in said operating chamber movable in response to variations in superheat at the evaporator outlet, said member comprising a pair of parallelly arranged diaphragms having their adjacent sides rigidly connected together at their centers and having their edges rigidly secured to the walls of the chamber, means providing an operative connection between said member and said operating arm, means exposing the other side of one of said diaphragms to a pressure corresponding to the temperature of the refrigerant at the evaporator outlet, means exposing the other side of said other diaphragm to the pressure on the suction side of the refrigeration system, means biasing said valve towards closed position, and means rendering the effective operating area of the diaphragm exposed to the pressure corresponding to the temperature of the refrigerant at the outlet of the evaporator less than the effective operating area of the other diaphragm by an amount sufficient to insure the maintenance of a substantially constant degree of superheat at the evaporator outlet.

2,240,375
REFRIGERATION CONTROL SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 24, 1939, Serial No. 258,229
12 Claims. (Cl. 62—4)



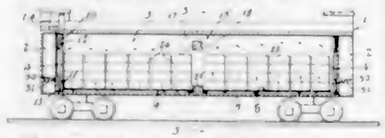
3. In a control system for a multiple fixture refrigerating apparatus including an evaporator for each fixture for cooling the same and a compressor for circulating refrigerant through the evaporators, the combination of, thermostatic means responsive to the temperature of each fixture, control means responsive to variations in suction pressure, means controlled by the thermostatic means and the control means to start the compressor only when any of the thermostatic means calls for cooling and the suction pressure has increased to a defrosting value and timing means placed in operation upon starting of the compressor for stopping operation of the compressor a predetermined time thereafter whereby defrosting of the evaporators of all of the fixtures is assured.

2,240,376
METHOD AND APPARATUS FOR EVAPORATING SULPHATE RESIDUAL LIQUOR
Börje Sune Nyquist, Sandviken, Dynas, Sweden, assignor to Aktiebolaget Svenska Flaktfabriken, Stockholm, Sweden, a joint-stock company of Sweden
Application March 17, 1939, Serial No. 262,486
In Sweden January 5, 1937
2 Claims. (Cl. 159—10)



2. In the method of drying sulphate residual liquor involving the steps of maintaining a body of the liquor, continuously passing a current of hot flue gas over said body, continuously raising a film of said liquor, on a moving support, above the body of liquid and into the current of hot flue gas, maintaining the film in contact with the hot flue gas for an interval sufficient to evaporate the film to substantial dryness, and continuously removing the dry film from the moving support, the improvement which consists in dividing the current of hot flue gas into two separate currents prior to passage thereof into contact with the liquor, passing one of said currents over the surface of the body of liquor, and separately passing the other of said currents over said film of liquor.

2,240,377
APPARATUS FOR PRECOOLING FREIGHT CARS
Andrew Y. Preble, El Centro, Calif.
Application August 11, 1939, Serial No. 289,570
4 Claims. (Cl. 62—24)



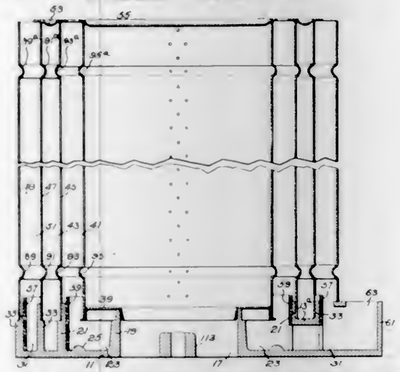
1. In apparatus for effecting the precooling of a freight car having ice bunkers at its ends, the combination of partition walls at the ends of the car dividing the interior of the ice bunkers from the freight space within the car, said partitions having circulating openings therein through which air within the car may circulate when the car is enroute, means for closing said circulating openings, a grating forming a false bottom for the car on which the freight rests, a transverse duct located at the middle portion of the car constructed so as to permit cooling gas or air forced into the duct, to pass from the duct toward the ends of the car; and means for withdrawing the air from the upper portion of the car after the same has circulated through the interior of the car.

2,240,378
SIGNAL DEVICE
Lloyd Rittenhouse, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application December 18, 1939, Serial No. 309,803
3 Claims. (Cl. 177—7)



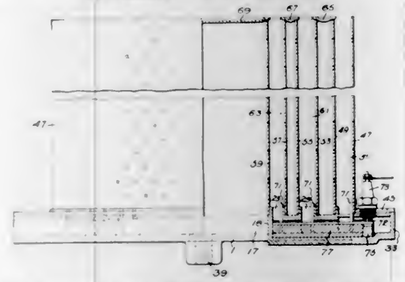
1. A signal device comprising a housing affording a resonance chamber and including top and front walls and a back wall having a pocket extending inwardly of the resonance chamber, a solenoid coil secured in said pocket against the rear face of the back wall and accessible from the outside of the housing, a solenoid plunger, and a chime bar secured to the housing and located in the path of the solenoid plunger.

2,240,379
ELECTRIC IGNITION MEANS FOR COMBUSTION TUBE BURNERS
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application August 5, 1939, Serial No. 288,564
8 Claims. (Cl. 126—90)



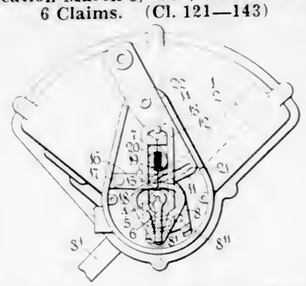
1. A combustion tube burner having a base provided with walls defining a fuel groove, a flat igniting wick set on edge in said groove, perforated inner and outer combustion tubes surmounting said base and providing between them a combustion chamber above the groove, a formation on the outer wall of the base defining a peripheral extension of said wall and providing a lateral chamber outside the fuel groove and beyond the peripheral limits of the outer combustion tube and opening into the fuel groove, said chamber having a covering top, and an electrode entered into said chamber through said covering top and without cutting through the oil retaining walls of the fuel groove, said electrode being positioned in said lateral chamber and surrounded by adequate insulating space to create a wick igniting spark within the base and below the top edges of the wick.

2,240,380
LIQUID FUEL BURNER
Ralston M. Sherman, Glastonbury, Conn.
Application November 25, 1939, Serial No. 306,088
15 Claims. (Cl. 158—90)



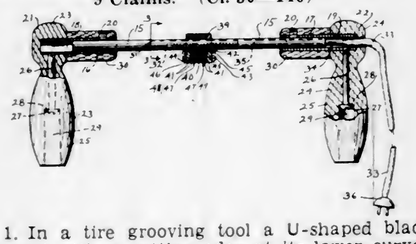
1. A liquid fuel burner having a base with spaced annular upstanding walls defining between them an outer annular fuel chamber and a laterally spaced inner annular fuel chamber, pairs of spaced annular concentric combustion tubes forming combustion chambers in upstanding relation to and opening each from one of said fuel chambers, the outer fuel chamber being of greater width than the inner one, a removable cover plate overlying and covering the outer portion of the wider fuel chamber but leaving an uncovered inner channel portion opening into and registering with the outer overhead combustion chamber and providing a covered annular space at the outside of and communicating with said inner channel portion, a fuel supply duct connecting the inner and outer fuel chambers, means for supplying liquid fuel to the outer one of said fuel chambers, starting wicks one in each of said fuel chambers, an electric spark electrode in the base entered through, supported by and removable with the cover plate and connected to create an igniting spark, and means for igniting the starting wicks through the effect of a spark created by said electrode.

2,240,381
VALVE MECHANISM FOR WINDSHIELD CLEANER MOTORS
Edward W. Sibley, Kenmore, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 6, 1939, Serial No. 260,007
6 Claims. (Cl. 121—143)



1. An automatic valve action for fluid motors, comprising a valve movable back and forth on a seat and provided with a passage to connect a supply port to one or the other of two chamber ports for reversing the pressure differential on the motor piston, throttle means supporting the valve for bodily shifting movement on its seat laterally of its path of reciprocatory movement to offset the valve passage with respect to the ports to restrict the port capacity, and means for actuating the throttle means.

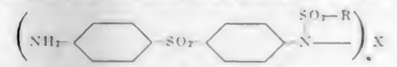
2,240,382
REGROOVER FOR TIRES
Robert I. Van Alstine, Philadelphia, Pa.
Application June 30, 1939, Serial No. 282,217
9 Claims. (Cl. 30—140)



1. In a tire grooving tool a U-shaped blade formed with a cutting edge at its lower curved portion, said blade having blunt forwardly extending edges adjoining the upper ends of said cutting edge, said blunt edges being adapted to ride upon the surface of the rubber tread of a tire to limit the depth of cutting by said cutting edge.

2,240,383
AMINOSULPHONAMIDO DIPHENYL SULPHONES
James H. Williams, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 27, 1939, Serial No. 281,328
2 Claims. (Cl. 260—397.6)

1. p - Amino - p' - sulphonamidodiphenyl sulphones having the following general formula:



in which R is an alkyl radical, X is a member of the group consisting of hydrogen, metals and ammonium radicals and *n* is the valence of X.

2,240,384
PIPE COATING
Karl H. Fulton, Pittsburgh, Pa.
Continuation of application Serial No. 178,861, December 9, 1937. This application August 16, 1939, Serial No. 290,365
8 Claims. (Cl. 91—18)



3. An apparatus for coating a cylindrical object including a tank for coating liquid, means in said tank providing a support for the object and maintaining the same parallel with the surface of the liquid in the tank and slightly immersed therein, and cam means mounted to contact the outer surface of said object and roll the same upon said supporting means.

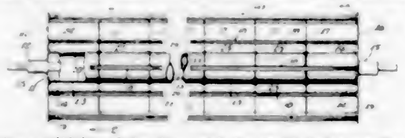
2,240,385
SHADE HANGER
William M. Banks, Erie, Pa.
Application January 16, 1940, Serial No. 314,152
3 Claims. (Cl. 248—266)



3. A hanger of the character described, comprising an intermediate section of an elongated form having inwardly turned flanges forming guides at the center portion spaced a considerable distance from the ends, outer sections sliding within the guides and extending parallel and abutting the flat portions of the intermediate portion and having laterally turned ends for supporting a curtain rod, the outer sections having a series of openings through which are adapted to pass securing means which in turn pass through slots in the intermediate section.

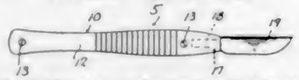
2,240,386
REEL FOR DYEING MACHINES AND THE LIKE
Harry W. Butterworth, Jr., Philadelphia, Pa., assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 20, 1941, Serial No. 379,874
5 Claims. (Cl. 242—118)

1. In a reel, a trunnioned reel body having a plurality of spiders mounted thereon, said spiders comprising end and intermediate spiders and a plurality of bars having their end portions fixed to said end spiders and legs slidably



fitting within slots formed in said intermediate spiders, said legs having deflected areas preventing radial disengagement of said bars from the intermediate spiders.

2,240,387
SURGICAL KNIFE
Kenneth A. Crank, Flint, Mich., and Alexander C. Crank, Clatskanie, Oreg.
Application April 21, 1939, Serial No. 269,200
1 Claim. (Cl. 30—340)



A knife having a detachable blade and comprising a handle having a slot opening through its forward end, said slot having side walls one of which forms a plane surface and the other of which has its forward portion parallel to the said plane surface and its remaining portion diverging rearwardly from said plane surface, said slot having narrow edge walls connecting said side walls, one of said edge walls forming a plane surface and the other of said edge walls having its rear portion parallel to the first edge wall and its forward portion inclined forwardly away from said first edge wall and terminating in spaced relation to the front end of the handle whereby the opening of the slot also extends through a side of the handle, and a knife blade having a shank offset from the back of the blade and of uniform thickness throughout, said shank having the portion adjacent the blade conforming in shape to the forward portion of the slot and having the portion remote from the blade inclined to frictionally engage the inclined side wall of the slot.

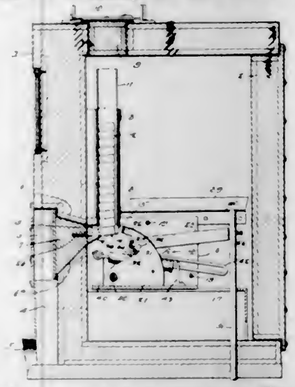
2,240,388
METHOD OF TREATING FILAMENTOUS MATERIALS
Jose B. Calva, St. Paul, Minn., assignor of one-third to George W. Benz, St. Paul, Minn.
No Drawing. Original application October 19, 1936, Serial No. 106,427. Divided and this application February 24, 1941, Serial No. 380,378
17 Claims. (Cl. 149—28)

1. The method of treating animal furs which comprises subjecting the fur to a resinification agent in the presence of a catalyst at a moderate temperature and then continuing the resinification of the fur by mechanical finishing by combing at an elevated temperature.

2,240,389
VENDING MACHINE
William A. Campbell and Mearl Lanway, Traverse City, Mich., assignors to Wolverine Ice Cream Vending Machine Co., Traverse City, Mich.
Application August 26, 1940, Serial No. 354,314
7 Claims. (Cl. 312—63)

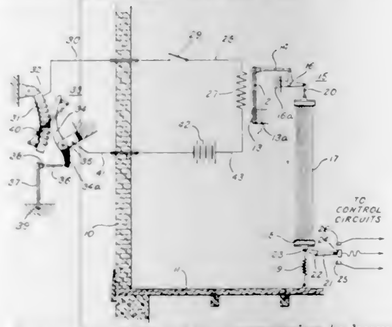
1. A dispensing machine comprising a plurality of merchandise holders, an ejector for each holder, means for mounting the ejectors for swinging movement toward and away from

the holders, mechanism for swinging the ejectors, one at a time, said mechanism comprising a first shaft having arms arranged in staggered relation, means for mounting the first shaft for rotation, and for transverse movement in an arc thereby to cause one arm to move one ejector to ejecting position with respect to one of the holders, means for rotating the first shaft to select



one arm and to bring it into operative relation to the corresponding ejector, the means for mounting the ejectors for swinging movement being a second shaft on which the ejectors swing, the means for mounting the first shaft for rotation and for transverse movement in an arc being carried by the second shaft; means for mounting the second shaft for rotation, and means for rotating the second shaft.

2,240,390
AUTOMATIC CONTROL DEVICE
Ralph R. Chappell, Richmond, Va., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 22, 1938, Serial No. 241,872
4 Claims. (Cl. 236—44)



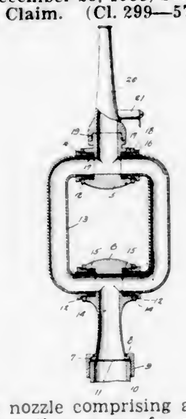
1. In combination, means responsive to humidity changes in an enclosure, and means for modifying the operation of said humidity responsive means comprising heating means, means responsive to changes in outdoor temperature for varying the effect of said heating means, and means responding to temperatures within said enclosure interposed between said heating means and said humidity responsive means and being mechanically connected with the latter, whereby changes in said heating means are effective to actuate said enclosure temperature responsive means to vary the operation of said humidity responsive means.

2,240,391
EAR PROTECTOR
Beulah L. Corn, Union City, Ind.
Application July 29, 1940, Serial No. 348,300
6 Claims. (Cl. 132—45)



1. An ear protector means comprising a pair of substantially cup-shaped members adapted to encompass the ears, each member having a rounded outwardly offset anchoring element formed therewith, and resilient clamping means for holding said members in ear encompassing position, said clamping means including a pair of cup shaped elements shiftably mounted on said anchoring elements, a pair of elongated resilient longitudinally bent strips secured one to each cup shaped element, said cup-shaped elements coacting with said anchoring elements for holding the strips, through the cup-shaped elements shiftably mounted on the anchoring elements, said strips having their adjacent ends overlapping each other, and a resilient guide carried by each strip through which the adjacent end of the other strip is adapted to adjustably engage.

2,240,392
NOZZLE
Henry Lonnie Dowell, Athens, Tex., assignor of one-half to B. S. Allen, Dallas, Tex.
Application December 23, 1938, Serial No. 247,469
1 Claim. (Cl. 299—57)



A fire hose nozzle comprising an inlet section and an outlet section, means for securing the inlet section to the discharge end of a hose, said inlet and outlet sections having lateral openings, connecting pipes connecting the sections, said connecting pipes having inwardly disposed right angled ends mounted for swivel movement in the lateral openings of the inlet and outlet sections, an extension on the outlet section, a nozzle fitted on the extension, said connecting pipes providing a wide base for said nozzle, an arm rising from one of the pipes, said arm having a plurality of spaced openings, and an arm pivotally connected with the nozzle and having a right angled

end adapted to fit in said openings, securing the nozzle in various angular positions with respect to the outlet openings.

2,240,393

WATER-GLASS CEMENT POWDER AND THE PREPARATION OF CEMENT MORTAR THEREFROM

Karl Dietz, Cronberg in Taunus, Germany, assignor, by mesne assignments, to Pen-Chlor, Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 4, 1939, Serial No. 254,598. In Germany January 17, 1938
10 Claims. (Cl. 106—30)

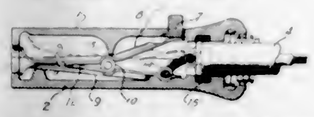
1. The process of preparing a water-glass cement resistant to water and acids from a cement powder which comprises mixing water with a cement powder which contains pulverulent water-glass, an acid resisting filling agent and a substance capable of reacting with alkali, the pulverulent water-glass having a ratio of SiO_2 to alkali oxide exceeding 2:1 and there being present in the cement powder a large excess of the substance capable of reacting with alkali over the quantity necessary for neutralizing the alkali in the water-glass used.

2,240,394

ELECTRIC PLUG

George Eaton, Cleveland, Ohio

Application May 9, 1938, Serial No. 206,821
3 Claims. (Cl. 173—322)



1. An electric appliance including a longidudinally divided chambered insulatibn body, terminals within said body for connection of electric wires thereto, said body having an aperture for passage of the electric cable therethrough, and anchoring means located within said body and between said aperture and said terminals, for relieving said wire connections from strain to which the electric cable might be subjected outside of said body, said anchoring means comprising a substantially rectangular insert of electric insulation material arranged in a plane substantially normal to the longitudinal axis of said body and having a plurality of sets of laterally spaced open-end transverse slots for the tortuous passage therethrough of the individual wires, the companion halves of said body having inner companion recesses transversely of the inner surfaces and of the longitudinal axis thereof for positioning said anchoring means therewithin against displacement in either direction and for closing the open ends of said slots when in assembly.

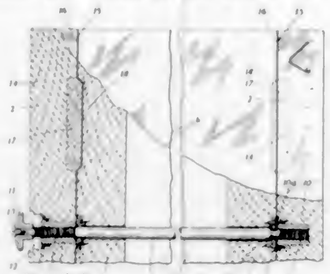
2,240,395

TABLE AND THE LIKE

William James Evans, Bulwell, Nottingham, England

Application April 14, 1939, Serial No. 267,866
In Great Britain January 28, 1939
3 Claims. (Cl. 311—35)

1. A table or the like comprising a top, supports for the top, a pivotal mounting for the top whereby same can swivel in relation to the supports, co-operating parts or elements at adjacent parts of the top and the supports, said co-operating elements functioning when in engagement to retain the top rigid against pivotal movement, and means at the axis of movement



of the top for moving said co-operating elements into and out of engagement so as either to fix the top from movement or release same for pivotal displacement.

2,240,396

INGOT MOLD AND INGOT

Emil Gathmann, Baltimore, Md., assignor to Gathmann Research Incorporated, Catonsville, Baltimore, Md., a corporation of Maryland

Application January 27, 1941, Serial No. 376,221
8 Claims. (Cl. 22—139)

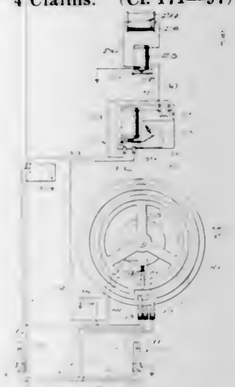
1. A metallic ingot having two oppositely disposed primary side portions each of which comprises longitudinally extending outwardly projecting marginal portions, a longitudinally extending relatively abruptly curved convex central portion which, at any cross section of the ingot, is defined by an arc having its center substantially on the neutral line of shrinkage generally normal to said primary side portion, two relatively smoothly curved concave portions respectively connected to said marginal portions and extending toward said central portion, and two relatively abruptly curved concave portions respectively interposed between and connecting the opposite longitudinal edges of said central portion with said relatively smoothly curved concave portions, said relatively smoothly curved concave portions, at any cross section of the ingot, being defined by arcs having substantially a common center lying substantially on said neutral line of shrinkage, and said relatively abruptly curved concave portions at any cross section of the ingot, being defined by arcs having their respective centers on opposite sides of said neutral line of shrinkage.

2,240,397

HEADLIGHT CONTROL MECHANISM

Joe Holleman, Eastland, Tex.

Application March 27, 1939, Serial No. 264,437
4 Claims. (Cl. 171—97)



4. In a control mechanism for the bright and dim light circuits for the headlights of a vehicle wherein said circuits comprise fixed contact members with one of said members common to the two circuits, a rotatable support, a motor for rotating said support, a source of current for said motor, a continuous contact ring on said support, means comprising a contact finger engaging said ring for energizing said motor, a discontinuous contact strip on said support concentric with and connected to said ring, a contact plate on said support intermediate the ends of said contact strip, a fixed contact member of the bright light circuit and said common contact member being engageable with said plate for energizing the bright light circuit and a contact member of the dim light circuit and said common contact member being engageable with the discontinuous strip for energizing the dim light circuit, and means comprising a light-sensitive cell for initially rendering said motor operative.

2,240,398

CINEMATOGRAPHY

Lionel Hubert Hulit, Rangoon, Burma, British India

Application April 21, 1939, Serial No. 269,230
In Great Britain June 28, 1938
16 Claims. (Cl. 88—16.6)



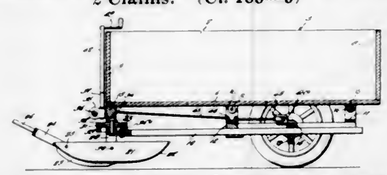
1. In a cinematographic camera, the combination of means for supporting a sensitive image-receiving surface, means for forming an image on the surface, a movable screen operative to pass undiffused light to a selected small area of the image-receiving surface and to pass the light to other parts of said surface which is diffused in proportion to the radial distance outwardly from said small area whereby to provide a small area of good image definition around which the image becomes progressively less well-defined, and means for moving said screen in any direction at will transversely to the optical axis of the image forming means whereby a desired point or part of said image may be well-defined in relation to the remainder thereof.

2,240,399

BRAKING RUNNER FOR HAULING VEHICLES

Thomas Huntington, Fossil, Oreg.

Application January 30, 1939, Serial No. 253,641
2 Claims. (Cl. 188—5)



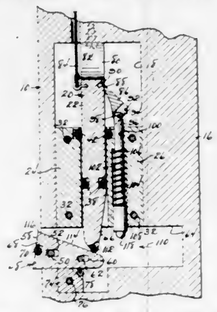
1. A hauling vehicle comprising a body, a wheeled carriage for the body, a ground engaging drag under the forward end portion of the body and a draft member extending from the said drag, said wheeled carriage being adapted to balance the load of the body and its contents to maintain the drag removed from the ground while a pulling force is exerted on the draft member, and means constructed and arranged to permit shifting of the carriage beneath the body to regulate the balance disposition of the carriage with respect to the body, said means comprising a hand operated member, a guide for the carriage and a cable arrangement operatively connected with the carriage and controlled by the said manually operated member.

2,240,400

DOOR LATCH

Daniel C. Johnson, Chapel Hill, N. C.

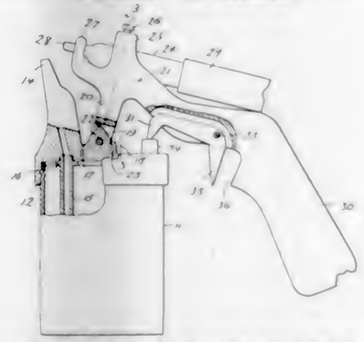
Application September 9, 1938, Serial No. 229,204
2 Claims. (Cl. 292—335)



1. In a door latch, a relatively fixed keeper having a roller element, a guide, a latch bolt slidable in said guide and spring pressed to be projected behind the keeper in engagement with said roller element, a second roller element mounted on a fixed support for engagement with the bolt on the side opposite said first-mentioned roller element but spaced from the latter longitudinally of the bolt, roller means interposed between said bolt and said guide for guiding the bolt, some of said roller means being located on the same side of the bolt as said second roller element but spaced from said first-mentioned roller element

longitudinally of the bolt in a direction opposite the spacing of said second roller element, and said bolt having a cam face engageable with said first-mentioned roller element for pressing the bolt against said second roller element and said some of said roller means.

2,240,401
SPRAY GUN
Claude S. Jordan, Culver City, Calif., assignor to A. G. Jordan Manufacturing Company, a corporation of California
Application May 15, 1939, Serial No. 273,766
2 Claims. (Cl. 299—88)



1. In a spray gun of the class described, a paint jar provided with a fixed upstanding nozzle, a paint delivery pipe connected to said nozzle and depending into the jar, a lever unit pivotally mounted on said jar, said lever unit being provided with a pistol-grip, means on said lever unit to accommodate and attach in place a steam delivery tube and nozzle, a tube and nozzle secured on the lever unit by said means, a trigger pivotally mounted on said lever unit, said trigger having a finger-piece for operation and a trip and operating finger, said jar being provided with fulcrum means with which said finger is rockably engageable.

2,240,402
ILLUMINATED MICROSCOPE
Jack Joroslow, Los Angeles, Calif., assignor to Plastic Process Company, a corporation of California
Application March 9, 1939, Serial No. 260,856
16 Claims. (Cl. 88—39)



1. In an illuminating viewing unit, an integrally formed optical magnifying element having an axis in whose direction it is particularly adapted to transmit light and having light-transmitting terminal faces transverse of said axis, and a relatively narrow light conducting conduit element formed on a first terminal face of said optical magnifying element eccentrically with reference to the axis of said optical magnifying element, the second terminal face of said magnifying element having a lens surface formed thereon and constituting a light exit face of said viewing unit, whereby an observer looking through the part of said first face not occupied by said conduit element can look through said magnifying element and can see through said second face the object illuminated.

2,240,403
PROCESS FOR TREATMENT OF SO-CALLED WHITE WATER
Adolf Magnus Rupert Karlström, Gothenburg, Sweden
No Drawing. Application January 27, 1938. Serial No. 187,321. In Sweden February 6, 1937
1 Claim. (Cl. 210—2)

A process in the manufacture of paper, cellulose, ground wood-pulp, carton and other fiber products consisting of adding an aluminum compound to the white water having a pH-value between 4 and 6 and adding a sufficient amount of a sulphonated oil to said white water in the presence of said metallic compound for flocculating the solid particles in said water to enable the reclaiming thereof for reuse.

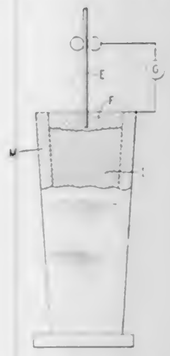
2,240,404
HAMMER FOR IMPACT CRUSHING OR GRINDING APPARATUS
Alfred King, Hackney, Matlock, England
Application January 16, 1940, Serial No. 314,171
In Great Britain December 1, 1938
2 Claims. (Cl. 83—11)



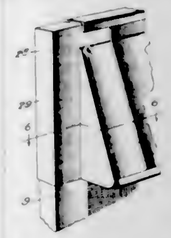
1. A grinding mill including a rotatable arm a hammer head loose thereon in the form of an annulus having a number of projections on its outer periphery, whilst the interior surface of the annulus is provided with an equal number of separate evenly spaced sockets, and a pair of spaced supports fixed on the arm, two of which at any one time engage said sockets, the maximum width of which supports is less than the least internal diameter of the annulus, and a spring clip elastically engaging said spaced supports and a socket on the annulus.

2,240,405
METHOD OF MAKING CAST METALS
Augustus B. Kinzel, Douglaston, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
Application December 28, 1940, Serial No. 372,082
6 Claims. (Cl. 22—216)

1. The method of forming a sound, pipeless metal casting, which comprises the steps of pouring a body of metal into a mold and, before said body has completely solidified, applying electrical energy through an electrode, spaced therefrom, to the normally unsound upper portion of the body; so controlling the electrical energy input that the metal in said upper portion is brought to a sufficiently fluid condition to eliminate voids in the ingot and to release impurities; and maintaining a deep blanket of flux over the molten metal, and over the end of said electrode to blanket the arc, during such application of electric energy.



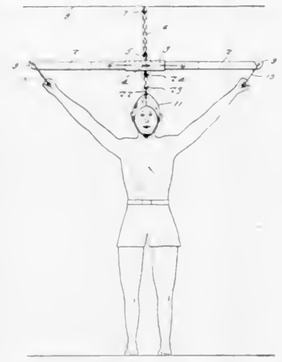
2,240,406
VENTILATOR
Joseph J. Kurtz, Shamokin, Pa.
Application December 21, 1939, Serial No. 310,454
2 Claims. (Cl. 156—15)



2. A reversible ventilator and shield unit adapted to be used on the inside or outside of a screen comprising front members slidably mounted one on the other side members, extending inwardly from said front members and at substantial right angles to said front members, a top flange extending inwardly, side flanges extending from the side members said side members and flanges adapted to fit over the face and sides of a screen and enter recesses in a window frame, the ventilator and shield adapted to be held in frictional engagement in the recesses by the screen, the front members flaring outwardly from the side flanges.

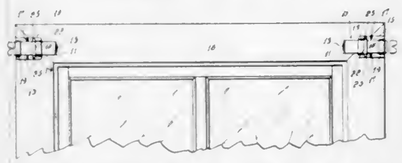
2,240,407
EXERCISING APPARATUS
John A. Masters, Los Angeles, Calif.
Application July 16, 1940, Serial No. 345,817
1 Claim. (Cl. 272—57)

Apparatus for suspending the body of a person from a fixed overhead support comprising a bar, means to suspend said bar from said support in horizontally balanced position, a hood-like flexible helmet for the head of the person having chin flaps for attachment together to secure the helmet on the head and a straight top portion, a rod in said top part, a central hook on said rod extending out of said top and



a chain connecting said hook to said bar in the center of equilibrium thereof.

2,240,408
ADJUSTABLE WINDOW SHADE BRACKET
Roderick A. McGonigal, Wheeling, W. Va.
Application November 20, 1940, Serial No. 366,473
3 Claims. (Cl. 248—273)

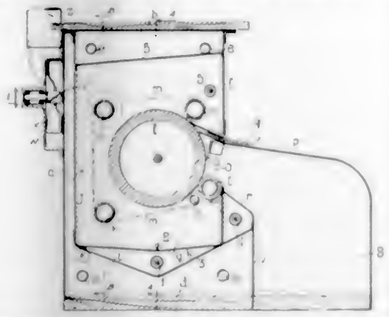


3. An adjustable window shade bracket comprising a shade bracket having an elongated shank disposed substantially at a right angle thereto, a base plate, adapted to be secured to a window casement and disposed horizontally thereof, said base plate having slotted, outwardly offset end portions for slidably receiving said shank for slidably mounting the shade bracket longitudinally of the base plate, a lever pivotally connected at one end to said base plate, adjacent the upper edge thereof and depending downwardly therefrom and disposed adjacent the inner edge of the inner outwardly offset portion, and a wedge shaped lug projecting from one edge of said lever and removably disposed between said innermost outwardly offset portion and shank for detachably clamping the shank to the base plate.

2,240,409
APPARATUS FOR DEVELOPING SENSITIZED LAYERS
Sydney Harold Morse, London Wall, London, England, assignor to Wood, Mallabar and Company Limited, London, England, a corporation of Great Britain
Application April 20, 1938, Serial No. 203,206
In Great Britain April 26, 1937
6 Claims. (Cl. 95—94)

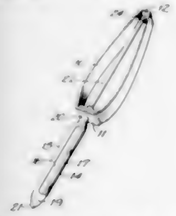
1. An apparatus for developing sensitized layers by ammonia or other vapor, comprising a developing tank having longitudinal walls, means for heating said tank to generate the vapor, means for feeding the sensitized layers through the apparatus, and means for causing the pas-

sage over at least one of said longitudinal walls of a flow of cold air sufficient to cause any con-



densation of vapor to take place upon said wall and not on the sensitized layers.

2,240,410
PARING KNIFE
James A. Murdock, Chicago, Ill.
Application June 18, 1938, Serial No. 214,523
2 Claims. (Cl. 30—278)



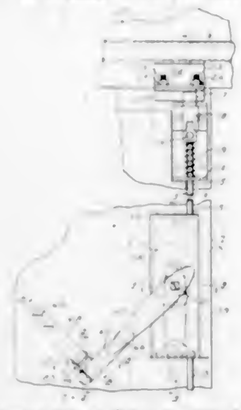
1. A paring knife comprising a handle consisting of an elongated loop of metal strap, a knife assembly in end to end relation to said handle, said knife assembly comprising a knife and bar in parallel spaced relation, and a spindle rigidly connected to one end of said assembly and extending through the extreme ends of the elongated loop handle and pivotally mounted therein.

2,240,411
DRAINAGE TILE, CLAY, ETC.
Lloyd L. Newman, Rockwood, Pa.
Application June 12, 1940, Serial No. 340,169
1 Claim. (Cl. 61—11)



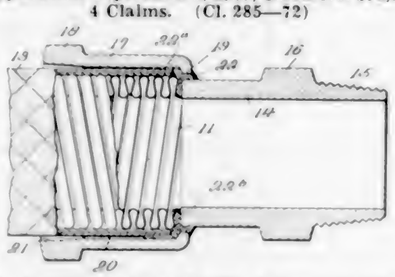
A drainage conduit comprising a plurality of hollow sections disposed in spaced communication with each other to receive seepage of liquid between the spaces, each section being provided with at least three connecting members disposed around the periphery thereof and extending beyond the end of same in offset relation to the periphery of the section, said connecting members adapted to overlap the opposite ends of the next adjacent section to flexibly connect the section against transverse separation while maintaining the spaced communicating relation of the sections.

2,240,412
VEHICLE DOOR LOCK CONSTRUCTION
George M. Nyquist, Detroit, Mich., assignor to Divco-Twin Truck Company, Detroit, Mich., a corporation of Michigan
Application July 21, 1939, Serial No. 285,782
12 Claims. (Cl. 70—211)



1. For use with a door mounted for opening and closing movement with respect to a door opening and having a latch mechanism for holding it in closed position and a shaft projecting from the inside to the outside of said door and being operable to actuate said latch mechanism when it is rocked; an inside door lever and an outside door lever rigidly mounted on said shaft; a barrel mounted for sliding movement in said door adjacent said shaft in a direction substantially parallel thereto; a spring member mounted inside said door and engaging said barrel so as to resiliently urge the latter toward unlocking position; abutment means on said spring member for engaging and restraining said inside lever against unlatching movement when said barrel is in locking position, and means for locking said barrel in locking position.

2,240,413
COUPLING
Arthur L. Parker, Cleveland, Ohio
Application September 9, 1939, Serial No. 294,181
4 Claims. (Cl. 285—72)



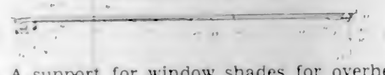
1. A coupling for a flexible tube comprising a sleeve portion for receiving the inner end of the tube with the inner surface of said sleeve portion spaced from the adjacent surface of the tube whereby to permit limited flexing of the tube within the sleeve portion, a body portion having a bore communicating with the conduit portion of the tube, and a solder bond for joining the inner end of the tube to said sleeve portion and said body portion, said solder bond being restricted to a region adjacent the inner end of the tube so as to leave the tube free from bonding to the sleeve portion throughout the greater portion of the length of the sleeve portion whereby the flexing of the tube in said sleeve portion is distributed throughout the greater portion of the length of the sleeve portion.

2,240,414
WITHDRAWN

2,240,415
SPONGE RUBBER AND METHOD OF PRODUCING THE SAME
Paul G. Peik, Detroit, Mich., assignor to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 5, 1939, Serial No. 298,160
5 Claims. (Cl. 260—723)

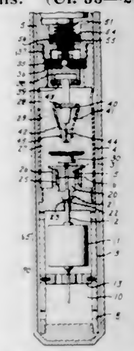
1. Vulcanized sponge rubber having uniformly distributed microscopic cells containing water having a hygroscopic agent incorporated therein, the hygroscopic agent being present in an amount which will retain the water in the sponge rubber but will not absorb water out of the atmosphere, whereby the sponge rubber possesses a dry surface.

2,240,416
SKYLIGHT ROLLER SHADE
Elmer F. Pidgeon, Spiceland, Ind.
Application October 10, 1940, Serial No. 360,647
5 Claims. (Cl. 156—23)



2. A support for window shades for overhead windows or skylights comprising a window shade and roller mounted at one end of an overhead window frame, supporting means disposed partially around the window shade roller and terminating thereabove, wires attached to said supporting means and to the end of the window frame remote to the end adjacent which the shade roller is mounted, for supporting the window shade in a horizontal position and adjacent the window frame when drawn.

2,240,417
APPARATUS FOR SURVEYING WELLS
Roland Ring, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application October 7, 1938, Serial No. 233,767
18 Claims. (Cl. 33—205.5)



18. A well surveying device comprising an elon-

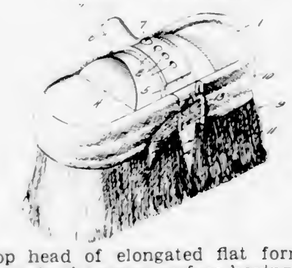
gated casing adapted to enter a bore hole, a record member adapted to be marked electrolytically by the passage of an electric current, means for supporting said record member within the casing, a pendulum supported for universal pivotal movement and having point contact with said record member, and a low voltage source of current for producing a current flow between the pendulum and record member to effect slow electrolytic marking of the latter at the location of the pendulum contact therewith when, and only when, the pendulum occupies for a substantial period a position of rest relative to the record member.

2,240,418
ANIMAL TRAP
Elmer E. Risher and Louis C. Bouma, Lynville, Iowa
Application November 4, 1940, Serial No. 364,290
3 Claims. (Cl. 43—87)



1. In an animal trap, a rigid, tubular stake, capable of being driven into the ground, an anvil assembled with the upper end of the stake, a slip noose at the upper end of the stake, and offset laterally to expose the anvil for the reception of blows, resilient means housed within the stake for reducing the size of the noose to animal-holding dimensions, and tread actuated means carried by the stake and cooperating with the resilient means to hold the noose releasably against the aforesaid size reduction.

2,240,419
MOP
William D. Rose, Portland, Oreg.
Application June 23, 1938, Serial No. 215,469
1 Claim. (Cl. 15—147)



A mop head of elongated flat form having rounded ends, the upper surface having a central projection to receive the handle connection and being otherwise parallel with the lower surface, the mop head being formed with a channel ex-

tending through the full length of the sides of the head and opening through the rounded ends, the channel opening through the side edges of the head throughout their full length, with a relatively narrow slot, a mop band of inverted U-shaped form and flexible material formed with a projection to accurately fit in the channel and to be entered therein through the open ends at the rounded end of the head, the projection having a narrow web, and mop material secured within the inverted U-shaped band, the width of the band and the position at which the web of the projection adjoins said band being such that the upper end of the band extends above the upper flat surface of the head and the lower end of the band extends below the lower flat surface of the head.

2,240,420

ELECTRICAL SYSTEM

Bernard E. Schnitzer, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application May 11, 1939, Serial No. 273,102
15 Claims. (Cl. 178—7.1)



1. In an electrical signalling system, a source of an intelligence signal, means for utilizing said signal, a controllable signal transfer means connected between said source and said utilization means, a source of a wave signal whose form is a predetermined function of time, means for deriving from said wave a control signal comprising controlling impulses whose durations are substantially determined by the intervals during which said wave exceeds a particular amplitude level, means for applying said derived control signal to said signal transfer means thereby to control the transfer of said intelligence signal, and means for varying said amplitude level thereby to vary the durations of said controlling impulses as a function of the form of said wave and the amplitude of said level, whereby the durations of the time intervals during which said signal transfer means is operative to transfer said intelligence signal are controlled.

2,240,421

CIRCULAR KNITTING MACHINE

Stanley R. Shelmire, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application March 27, 1940, Serial No. 326,282
10 Claims. (Cl. 66—50)

1. A knitting machine having a needle bed, a plurality of independent needles therein, said needles being provided with sliding butts so that butts of two different heights may be presented to the knitting cams, means to selectively move certain butts so that certain needles have high and others low butts, a plurality of feeds, and cams at said feeds to give the needles different manipulations according to whether they present high or low butts, so that at the first feed following a selection those needles having high butts function in one manner and those needles having



low butts function in a different manner, and at the second feed following said selection the actions of the needles are reversed.

2,240,422

SYNCHRONIZING CIRCUIT

Newland F. Smith, Jr., Wyndmoor, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application May 4, 1939, Serial No. 271,778
10 Claims. (Cl. 178—7.5)



1. In a television system, a source of a composite signal including video and synchronizing components, said synchronizing component comprising a series of time-spaced pulse signals superimposed upon said video signal during intervals in which said video component is established at a predetermined level; a deflecting circuit supplied with signal from said source and normally adapted to be synchronized in response to said synchronizing pulses; means adapted to generate pulse signals of duration comparable to said intervals in response to said synchronizing component only when said deflecting circuit is properly synchronized; signal combining means, coupled to said composite signal source and to said pulse generating means, for producing a signal which is the sum of said generated pulse signals and said composite signal, said last-named means comprising an amplifier including a plurality of electron discharge devices each having a cathode, an anode and control grid, the grid of one of said devices being coupled to said composite signal source and the plate of one of said devices being coupled to said pulse generating means; means for leveling said combined signal on signal peaks corresponding to said pulse signals; electron discharge means for converting the variations in said video signal into variations in light intensity; means coupling said leveling

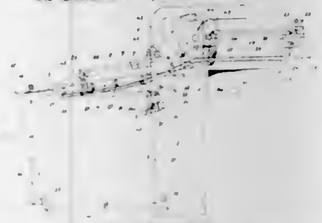
means to said electron discharge means; and means for permitting said electron discharge means to respond to only that portion of said leveled signal above a predetermined amplitude level.

2,240,423

SHEET FEEDING CONTROL DEVICE

Georg Spiess, Leipzig, Germany

Application December 3, 1938, Serial No. 243,718
In Germany December 13, 1937
12 Claims. (Cl. 271—56)



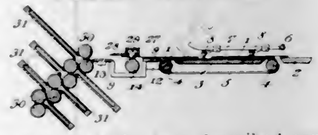
1. In a feeding device of the kind referred to, the combination of: means, including a conveyor path, for directly feeding sheets from a pile to a working machine; a grid associated with said conveyor path; means for holding said grid in position on said conveyor path; means for releasing said holding means; means, operable by said grid holding means, for putting said sheet feeding means into and out of operation; and means, also operable on release of said grid holding means, for preventing movement of any sheets present on said conveyor path when said feeding means is out of operation.

2,240,424

SHEET FEEDING AND REGISTERING DEVICE

Georg Spiess, Leipzig, Germany

Application May 17, 1939, Serial No. 274,138
In Germany May 21, 1938
4 Claims. (Cl. 271—49)



1. Apparatus of the type described comprising the subcombination of: a sheet forwarding device; a sheet working machine associated with said forwarding device; a registering guide associated with said forwarding device for correctly registering a sheet being fed and means associated with said forwarding device for imparting to the rear corner of the registering edge of said sheet a turning movement to cause said sheet to engage said registering guide firstly with said rear corner for the purpose specified.

2,240,425

FASTENER

James Hervey Sternbergh, Reading, Pa.

Application July 31, 1939, Serial No. 287,627
6 Claims. (Cl. 72—105)

1. A fastener of the character described especially adapted to hold two flat members having registering openings in fixed relation, comprising a substantially cylindrical but slightly tapering resilient sheet metal body portion, said body portion having a relatively wide slot extending through the length thereof, said slot being slightly wider at the end of greater diameter whereby when said fastener is driven through the registering openings the slot will be substantially



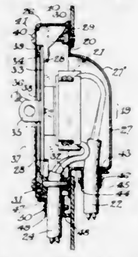
closed, thereby to provide maximum frictional contact between the outer wall of the fastener and the adjacent walls of the holes in said flat members, and an outwardly flanged head at one end of said body portion.

2,240,426

SWITCH BOX

Herbert E. Tautz, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 3, 1939, Serial No. 254,375
2 Claims. (Cl. 174—48)



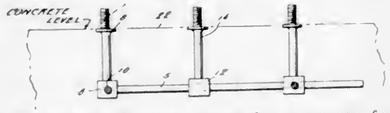
2. In combination, with an appliance having a casing with an opening, a wiring assembly for said appliance comprising a translating device and a controlling switch box therefor and having a lead-in conductor cord connected to said switch box and a second conductor cord connecting said switch box and said translating device, said switch box and its attached lead-in cord being small enough in one pair of dimensions to pass through said opening from the inside of the casing and large enough in another pair of dimension to overlap and form a closure for said opening, said switch box having a portion projecting outwardly from said casing and to which said lead-in cord is attached, and said switch box having a portion projecting inwardly from said casing and to which said second cord is attached.

2,240,427

ANCHORING TEMPLATE FOR MACHINERY AND THE LIKE

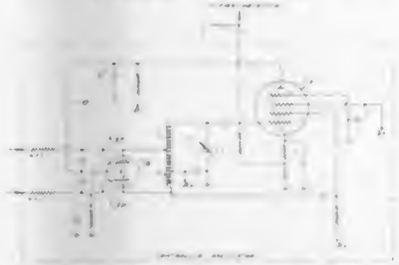
Viggo J. Thomsen, Detroit, Mich.

Application April 24, 1939, Serial No. 269,763
3 Claims. (Cl. 72—105)



1. A stud anchoring frame for concrete foundations comprising a plurality of rods, means slidably connecting the rods and adapted to secure the rods in a predetermined relation for embedding in the foundation and studs rising from the rods and projecting above the surface of the foundation.

2,240,428
ELECTRICAL CIRCUITS
Charles Travis, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 31, 1936, Serial No. 93,732
17 Claims. (Cl. 250—20)



15. In combination with a resonant circuit tuned to a desired frequency, a frequency variation network including a pair of space discharge devices, each having an output electrode and space current controlling means, reactive means coupled to said resonant circuit for deriving therefrom alternating voltage substantially in phase quadrature with the voltage across said resonant circuit, a source of varying voltage in response to which the frequency of said resonant circuit is to be varied, means for connecting said output electrodes to said resonant circuit to apply the output voltage of said devices to the resonant circuit, means for connecting said reactive means to the space current controlling means of said devices to applying the quadrature voltage thereto, and means for connecting said source to the space current controlling means of said devices to apply said varying voltage thereto, the voltages applied by two of the aforesaid connecting means being in opposite phase, and the voltage applied by the other of said connecting means being in the same phase.

2,240,429
SHOE SOLING MACHINE
Charles A. Watkins, John G. Wright, and Clifford T. Harris, Atlanta Ga., assignors to The Auto Soler Company, Atlanta, Ga.
Application June 22, 1938, Serial No. 215,234
2 Claims. (Cl. 1—41)



1. In a machine for making and inserting metallic fasteners, a fixed sleeve, a movable sleeve within the fixed sleeve, a vertically movable horn, an extension for the horn adapted to project into the movable sleeve, teeth on the extension, a lever having a projection adapted to engage the teeth pivoted to the movable sleeve, said projection and teeth being formed so as to avoid any appreciable movement of the horn when the lever is moved about its pivot to move the projection out of engagement with the teeth.

2,240,430
JACK MECHANISM
Frank M. Willard, Timber Lake, S. Dak.
Application March 16, 1939, Serial No. 262,254
4 Claims. (Cl. 254—86)



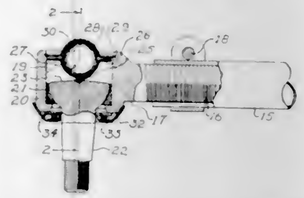
1. A vehicle jack comprising a standard formed of sections, a head secured to the remote end of one of said sections and offset relatively thereto, the offset portion of the head being pivotally connected to the axle of a vehicle for offsetting the standard relatively to the vertical plane of the axle when the standard is in an upright, supporting position, a foot connected to the remote end of the other section and offset in the same direction therefrom as the head and in the opposite direction relatively to which the standard is offset from the axle, and said foot being provided with a depending flange at the end opposite to said offset end.

2,240,431
MOP
Andrew D. Williams, Ocean Drive, S. C.
Application March 28, 1940, Serial No. 326,476
4 Claims. (Cl. 15—120)



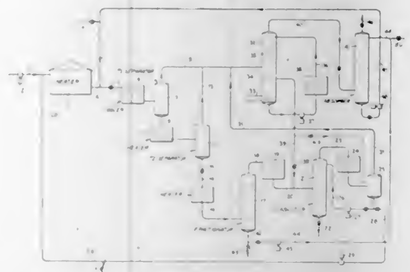
2. In a mop, a rotatably mounted cloth supporting element adapted to support an endless mop cloth, a rod projecting through and loosely disposed in said element, one end of said rod being bent to form a twisting member disposed within the cloth, the opposite end of said rod being bent to provide a crank for twisting said member when in a projected position relatively to the cloth, a handle, said element being rotatably mounted, relatively to the handle, to swing the crank away from the handle whereby it may be revolved without coming in contact therewith.

2,240,432
JOINT
Eugene S. Witchger, Detroit, Mich.
Application March 13, 1939, Serial No. 261,442
4 Claims. (Cl. 287—90)



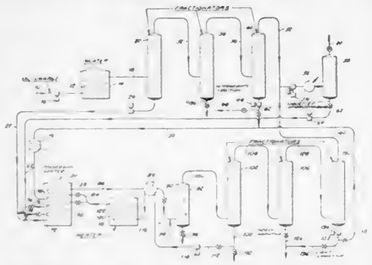
1. A joint comprising a pair of relatively movable elements having cooperating ball and socket parts, a radially contractible coil spring for resiliently maintaining said ball and socket parts in bearing engagement, spaced relatively movable opposed housing means having spring seats conforming to the curvature of the circumferential surface of said spring and so disposed on diametrically opposite sides of said spring as to have separating force exerted thereon, and means on one of said parts holding one of said opposed housing means for maintaining said housing means in operative relation.

2,240,433
MANUFACTURE OF GASOLINELIKE HYDROCARBONS
Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application February 15, 1936, Serial No. 64,047
4 Claims. (Cl. 196—10)



1. A process of producing normally liquid gasolinelike hydrocarbons from normally gaseous hydrocarbons which comprises passing normally gaseous hydrocarbons comprising saturated and unsaturated constituents of from two to four carbon atoms per molecule through a heating zone and subjecting said hydrocarbons to elevated temperatures and pressures to effect polymerization thereof into gasolinelike constituents, cooling said products of polymerization, separating said products of polymerization into gaseous and liquid fractions while being maintained under pressure in a plurality of separating zones maintained at progressively higher temperatures, fractionating said liquid fraction to separate therefrom normally liquid hydrocarbons comprising gasolinelike constituents and normally gaseous hydrocarbons other than normally gaseous hydrocarbons separated in said plurality of separating zones, passing said gaseous fraction directly into an enlarged zone having upper and lower sections, subjecting said gaseous fraction in the upper section of the enlarged zone to rectification and scrubbing, flowing liquid constituents of the said gaseous fraction in the lower section of said enlarged zone, heating the liquefied constituents in the lower section of said enlarged zone to strip therefrom low-boiling hydrocarbons and to leave a residue consisting primarily of relatively high-boiling normally gaseous hydrocarbons, passing liquid constituents thus stripped of low-boiling materials to the upper portion of said enlarged zone as scubbing medium, removing hydrogen and methane from the upper section of said enlarged zone, withdrawing from the said enlarged zone in liquefied condition from a point intermediate the upper and lower sections thereof a fraction consisting primarily of hydrocarbons having from two to four carbon atoms per molecule, and passing hydrocarbons thus withdrawn to the heating zone.

2,240,434
TREATING HYDROCARBON FLUIDS
Harold V. Atwell, Beacon, N. Y., assignor to Process Management Company, Incorporated, New York, N. Y., a corporation of Delaware
Application December 29, 1938, Serial No. 248,174
8 Claims. (Cl. 196—9)

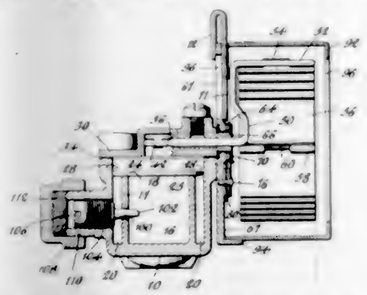


8. A process for treating hydrocarbons to produce motor fuels which comprises mixing a relatively heavy hydrocarbon oil with normally gaseous hydrocarbons and passing such mixture through a conversion zone wherein it is maintained under superatmospheric pressure and at an elevated temperature, introducing relatively light normally liquid hydrocarbons into said conversion zone and admixing them with the hydrocarbon mixture undergoing conversion, conducting the products of conversion away from said conversion zone and separating liquid residue from vapors, fractionating the vapors to separate condensate oil from a relatively light hydrocarbon fraction containing gasoline constituents and a lighter hydrocarbon fraction containing normally liquid hydrocarbons, and recycling at least a portion of the lighter hydrocarbon fraction to said conversion zone.

2,240,435
THERMOSTAT VALVE
Nico Borresen, Buffalo, N. Y., assignor to Nicostat Products Co., Buffalo, N. Y.
Application July 2, 1937, Serial No. 151,723
4 Claims. (Cl. 236—80)

1. In a fluid control valve, a casing, a wall within said casing defining adjacent inlet and outlet chambers and a primary valve seat therebetween, a static fluid pressure chamber in said casing adjacent said valve seat, a primary valve freely movable in said static pressure chamber for opening or closing said valve seat portion under the in-

fluence of combined static and dynamic fluid pressure force differentials upon opposite sides of the primary valve, a port between said static pressure chamber and said fluid outlet chamber and an auxiliary valve for opening and closing said port to alternately provide pressure differential conditions on opposite sides of said primary valve, and means for actuating said auxiliary valve comprising a shaft pivotally mounted in said casing and provided at one end with a crank arm for engagement with said auxiliary valve,



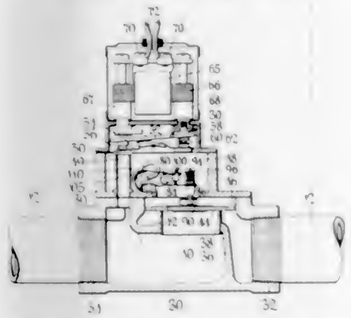
and a crank arm at the opposite end of said shaft for engagement with one end of a spiral thermostat element, a third crank arm engaging the other end of said spiral thermostat element and pivotable about a bearing in line with the center of said spiral thermostat element and said shaft, a manually operable lever adapted to cam said third mentioned crank member to various radial positions for adjustment of said thermostat element to vary the temperature condition required to close said auxiliary valve.

2,240,436

METHOD AND APPARATUS FOR CONTROLLING FLOW OF FLUIDS

Nico Borresen, Buffalo, N. Y., assignor to Nicostat Products Co., Buffalo, N. Y.

Application April 9, 1938, Serial No. 201,118
15 Claims. (Cl. 137—139)



1. A device for restraining movement of a valve relative to its seat, including a bi-metallic cantilever arm, a second arm mounted upon the free end of said bi-metallic arm and having a portion extending in spaced relation therefrom, means for adjusting the position of the extending end portion of said second arm relative to said bi-metallic arm, resilient means for connecting the outer extending portion of said second arm and said valve and controlled means for applying heat to said bi-metallic arm.

2,240,437

COMPOSITION FOR HYDRAULIC SYSTEMS

Ivor M. Colbeth, East Orange, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application December 15, 1938, Serial No. 245,913
9 Claims. (Cl. 252—79)

8. A liquid composition for fluid pressure systems comprising a substantially completely acetylated ester of a hydroxy fatty acid and an alcohol, the acetylization being at a hydroxyl group that was not in a carboxyl group, and also comprising diacetone alcohol and diethylene glycol mono ethyl ether.

2,240,438

GLASS SEALING PLUG FOR BLASTING CAPS

Walter W. Durant, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application December 21, 1938, Serial No. 246,984
1 Claim. (Cl. 102—10)



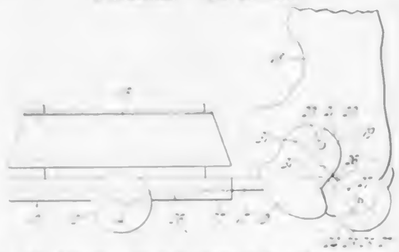
An electric explosive initiator including a shell having an explosive charge therein, a plug head including electric lead wires and ignition means, said plug head including a sleeve, a mass of glass within the sleeve and bonded directly to the inside of the sleeve and the outside of the lead wires in a water tight manner, the sleeve being secured to the shell.

2,240,439

ACTION TOY

Herman G. Fisher, East Aurora, N. Y., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y.

Application November 10, 1939, Serial No. 303,806
8 Claims. (Cl. 46—99)



1. An action toy comprising a body portion, a pair of limb-simulating elements movably mounted upon said body, means operatively connected with said limb-simulating elements for motivating the latter in opposite manner, sound producing means mounted upon said body, and means responsive to actuation of said toy and operatively associated with said sound producing means for producing multiple sound effects in timed relationship with regard to the respective movements of said limb-simulating elements, said sound producing means including a resilient striker, and said toy actuation responsive means including a rotating element having integral therewith diametrically opposed abutment portions adapted to alternately successively contact and deflect from its normal position and release the free end of said resilient striker whereby multiple sound effects are produced in response to a single rotation of said striker actuating means.

2,240,440

APPARATUS FOR HONING INTERNAL SCREW THREADS

Joseph H. Hoern, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 5, 1940, Serial No. 368,572
12 Claims. (Cl. 51—184.3)



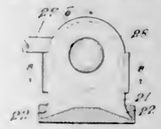
1. In apparatus of the character described, a composite tool for honing female threads on articles, said tool comprising in combination; a hollow adapter member having a peripheral threaded section selected for reception of the threaded article to be honed, said adapter member having its threaded periphery interrupted by a slotted opening formed therein, and a threaded section formed of a honing material arranged to be moved in said opening into or out of presentation with the threads of the article to be honed.

2,240,441

COMBINATION PLASTIC MOUNT AND PIN STEM JOINT OR CATCH

Alexander Hurewitz, Bronx, N. Y., assignor, by mesne assignments, to A. E. Waller Company, Inc., a corporation of Rhode Island

Application June 17, 1939, Serial No. 279,728
7 Claims. (Cl. 24—157)



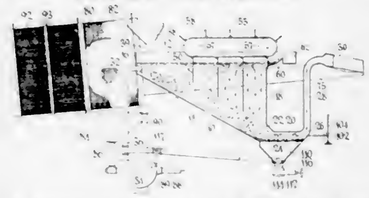
7. A finding for a pin stem comprising a body part having a hook-shaped portion adapted to engage and assist in retaining in position a pin stem, a rotary keeper on said body for closing the entrance to said hook, said body being of flat sheet stock in substantially a single plane and provided at its lower end with projecting spurs in the same plane adapted for insertion into plastic material for anchoring the finding thereto, and a mounting member of plastic material in which said anchoring spurs are embedded.

2,240,442

CLEANING AND SEPARATING DEVICE

Frederick J. Paul, Fredonia, N. Y., assignor to Huntley Manufacturing Co., Brocton, N. Y.

Application July 18, 1938, Serial No. 219,740
5 Claims. (Cl. 209—155)



2. A method of separating vegetable produce or the like from mixtures containing refuse materials of specific gravities both greater and lesser than the specific gravity of said produce including the steps of delivering the produce and refuse mixture into a liquid in a container, said liquid being of a specific gravity greater than the specific gravity of the lighter of said refuse materials, agitating said mixture in said liquid whereby said lighter refuse materials are released from said mixture and rise to the surface of said liquid while transporting said produce and heavier refuse materials by means of a current of liquid directly first downwardly and then through a vertically curvilinear path leading upwardly toward a point of produce discharge, whereby the heavier of said refuse materials are centrifugally and gravitationally separated from said produce during movement through said curvilinear path, and segregating said centrifugally separated heavy refuse materials from said produce in the region of said curvilinear path.

2,240,443

WASHER

Frederick J. Paul, Fredonia, N. Y., assignor to Huntley Manufacturing Co., Brocton, N. Y.

Application February 8, 1939, Serial No. 255,290
4 Claims. (Cl. 146—197)



1. An apparatus for washing agricultural products or the like including a liquid tank adapted to receive agricultural products, an inclined conveyor system comprising a series of product carrying rollers mounted upon an endless chain device, a track for the upper flight of said conveyor system adapted to support the latter and to engage said rollers in tractional relationship, said track being arranged to support some of said rollers when at the lower end of said track within the liquid of said tank and being rigidly supported at its lower and intermediate portions and having an upper end portion extending above the liquid of said tank and in cantilever fashion from said rigidly supported portions and curving downwardly at its extreme end portion to provide a smoothly curved reversal of conveyor movement

direction, said track end portion being of resilient material and normally maintained by the dimensional limitations of said chain in elastically deformed condition, whereby said track end portion resiliently maintains said conveyor in taut condition and insures rolling motion of said rollers when travelling along the path of said upper flight track.

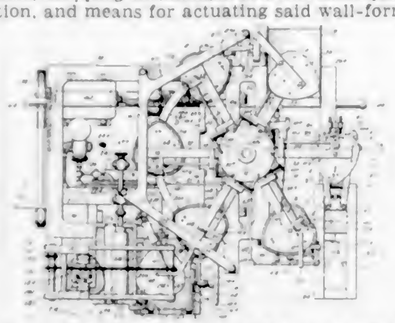
2,240,444
PLANING TOOL
Ernest Reaney, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York
Application September 13, 1939, Serial No. 294,621
9 Claims. (Cl. 29—97)



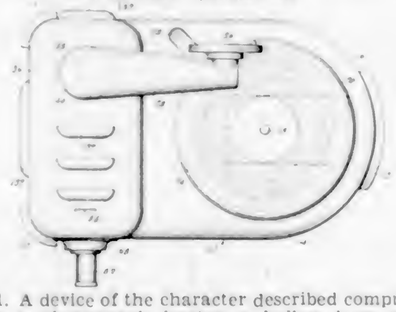
1. A tool for profile planing combining a body member having its front face contoured similar to the profile of the workpiece and a plurality of tool bit receiving recesses formed in said contoured face, each recess extending in a direction transverse the direction of the line of motion between the tool and the work, and each recess being defined in part by a wall that constitutes a tool bit supporting platform; a plurality of individual but simultaneously operable tool bits on the platform of each recess; each separate bit being individually insertable in the recesses in the body member and having cutting edges for machining a fraction of the profiled area of the workpiece and each of said individual tool bits on each platform being laterally spaced from other tool bits on the same platform and also offset from the bits on other platforms so that the projection of the cutting edges of all of the tool bits is a profile of the finished workpiece; and individually operable clamping means for each of the individual tool bits.

2,240,445
BOX FORMING MACHINE
James Boyd Thaxton, Indianapolis, Ind., assignor to Paper Package Company, Indianapolis, Ind., a corporation of Indiana
Application April 10, 1939, Serial No. 266,947
13 Claims. (Cl. 93—39)

1. In a box-forming machine, a rotatable carrier, an annular series of box-forms mounted on said carrier, means for rotating said carrier intermittently to bring said forms successively to each of a series of stations, mechanism at one of said stations for wrapping about the form thereat a flexible wall-forming strip having along its lower edge a series of tabs, a reciprocable table at the next station for forcing said tabs against the lower face of the form, heating means associated with said table for heating it, a second reciprocable table at a subsequent station, means for successively depositing box-bottoms on said second table, mechanism for applying an adhesive in predetermined pattern to each of said box-bottoms before it is deposited on said second table, a third reciprocable table at a subsequent station, stripping mechanism at a still subsequent station, and means for actuating said wall-forming mechanism and said glue applying mechanism and for reciprocating said tables and operating said carrier-moving means all in timed relationship.



2,240,446
COMBINED PHONOGRAPH AND SLIDE FILM PROJECTOR
Svatopluk C. Volney, New York, N. Y.
Application June 25, 1938, Serial No. 215,934
5 Claims. (Cl. 88—28)



1. A device of the character described comprising a phonograph having a hollow base and adapted to play a record having a plurality of successively arranged narratives recorded thereon and a strip film projector arranged in the base for projecting photographic illustrations of said narratives upon a screen, said projector comprising a light source, an adjustable objective lens system arranged adjacent the light source, means for guiding in operative position relative to the light source, and the lens system, a film having the narrative illustrating images arranged thereon in successive frames, said film strip having regularly spaced perforations along the edges thereof and said film strip having for each frame thereon a selected number of said perforations, a shaft rotatably arranged in the base, a sprocket wheel secured to the shaft, teeth on the sprocket wheel engaging the film perforations, said sprocket teeth spaced from each other an angular distance corresponding to the distance separating the film perforations, and a member secured to the shaft for manually causing rotation thereof, said member having arranged thereon flanges adapted to be manually grasped, said flanges spaced from each other an angular distance corresponding to the length of one frame, said base having an opening therein for disposing only one of said flanges in position to be manually grasped in any operative position of the shaft.

2,240,447
ROOFING AND THE LIKE
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application October 30, 1940, Serial No. 363,515
3 Claims. (Cl. 108—13)

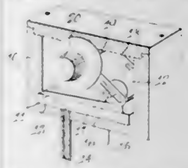
2. Roofing comprising sheet copper presenting an extensive external roofing surface, the copper being alloyed with approximately 0.02 to 1.5% arsenic, the balance of the alloy in respect to the arsenic being essentially copper.

2,240,448
GARMENT
Aaron D. Goldstein, New York, N. Y., assignor of one-half to Jacob Rothman, New York, N. Y.
Application December 15, 1938, Serial No. 245,843
2 Claims. (Cl. 2—97)



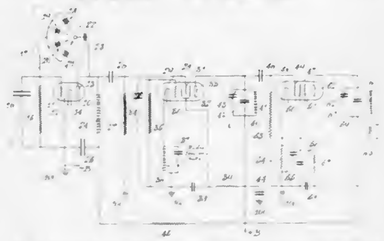
1. A suit jacket comprising a covering including a distal backing and proximal textile side wings secured to said backing, a textile lining secured to each of said wings, and an elongated textile and flexible foundation interposed between each of said linings and each of said wings for retaining the shape of said jacket, said foundations each comprising a plurality of juxtapositioned interstitial layers secured together in close proximity and having a multiplicity of spaced perforations located widthwise of said wings and along an area lengthwise of said wings substantially between the breast bones and lower ribs of the wearer of the jacket whereby upon respiratory movements of said wearer currents of air pass through said perforations to facilitate dissipating surface heat generated by the body of the wearer.

2,240,449
PIEZOELECTRIC CRYSTAL APPARATUS
John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a partnership composed of F. Dawson Bliley and Charles Collman
Application January 11, 1940, Serial No. 313,463
12 Claims. (Cl. 171—327)



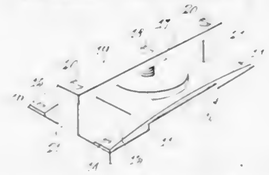
1. A piezoelectric crystal holder adapted for use in variable frequency piezoelectric crystal apparatus, comprising: a housing, a piezoelectric crystal in said housing, a base electrode for said crystal, a cylindrical top electrode for said crystal, a shaft journaled in said housing, a knob outside of said housing for rotating said shaft, and actuating means fixed to said shaft and engaging said cylindrical electrode for shifting said cylindrical electrode over the top face of said crystal.

2,240,450
PIEZOELECTRIC CRYSTAL APPARATUS
John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a partnership composed of F. Dawson Bliley and Charles Collman
Application January 29, 1940, Serial No. 316,269
6 Claims. (Cl. 250—36)



4. A variable frequency oscillation generator, comprising: a vacuum tube oscillator, a plurality of electromechanically vibratile elements having different frequencies spaced by a predetermined substantially uniform frequency interval over one or more frequency bands, means for selectively connecting said electromechanically vibratile elements to said vacuum tube oscillator for producing oscillations controlled by the selected electromechanically vibratile element, a second electromechanically vibratile element frequency controlled vacuum tube oscillator for producing continuously variable frequency oscillations, the frequency variation of said second electromechanically vibratile element controlled oscillator being such as to at least cover the aforesaid frequency interval, a coupling circuit for connecting said first and second oscillators together to produce beat frequencies therebetween, a circuit tunable to said beat frequencies, and connections for impressing oscillations from said oscillators on said tunable circuit.

2,240,451
PIEZOELECTRIC CRYSTAL APPARATUS
John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a partnership composed of F. Dawson Bliley and Charles Collman
Application April 22, 1940, Serial No. 331,050
5 Claims. (Cl. 171—327)



1. Piezoelectric crystal apparatus, comprising: a relatively thin piezoelectric crystal having a pair of major faces substantially parallel to each other and adapted to oscillate on radio frequencies approaching the ultra high frequencies, a pair of electrodes, one for each of the aforesaid major faces of said piezoelectric crystal, one of said electrodes having portions thereof engaging surfaces along the edge of the adjacent major

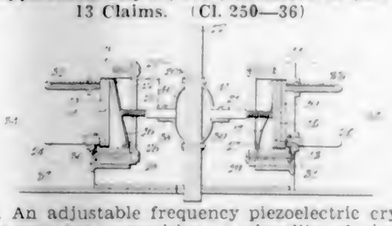
face of said crystal, said last mentioned electrode having a portion of the face adjacent to the crystal cut away so that the remaining portion not cut away forms a substantially centrally disposed projection extending almost to a substantially centrally disposed active portion of the crystal, a pair of strap members extending longitudinally across edge portions of said crystal element for resiliently clamping said crystal element to said last mentioned electrode, means for supporting the other of said electrodes, and means for adjusting said last electrode to or away from the corresponding crystal face.

2,240,452

PIEZOELECTRIC CRYSTAL APPARATUS

John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a partnership composed of F. Dawson Bliley and Charles Collman

Application May 28, 1940, Serial No. 337,698
13 Claims. (Cl. 250—36)



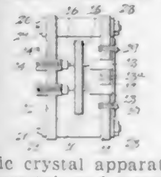
1. An adjustable frequency piezoelectric crystal apparatus, comprising: a plurality of piezoelectric crystals, electrodes for said piezoelectric crystals, one of said electrodes for each of said piezoelectric crystals being adjustable with respect to the corresponding surface of the corresponding piezoelectric crystal, means for adjusting the adjustable electrode of one of said piezoelectric crystals toward said last mentioned crystal and for simultaneously adjusting the adjustable electrode of another of said piezoelectric crystals away from said last mentioned crystal for varying the frequencies of said crystals in the opposite order, and means for producing a continuously variable beat frequency from the frequencies of said piezoelectric crystals.

2,240,453

PIEZOELECTRIC CRYSTAL APPARATUS

John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a partnership composed of F. Dawson Bliley and Charles Collman

Application July 1, 1940, Serial No. 343,468
20 Claims. (Cl. 171—327)



1. Piezoelectric crystal apparatus, comprising: a piezoelectric crystal, and means resonant substantially to the frequency of oscillation of said piezoelectric crystal for supporting said crystal.

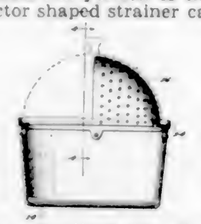
2,240,454

CULINARY UTENSIL

John P. Badaracco, Union City, N. J., assignor of fifty per cent to Promethis Carnecchia, Union City, N. J.

Application May 14, 1940, Serial No. 335,174
6 Claims. (Cl. 53—8)

1. A cooking utensil, comprising a receptacle having a beaded rim, a supporting ring located within the beaded rim portion of the receptacle, a spherical sector shaped strainer carried by the



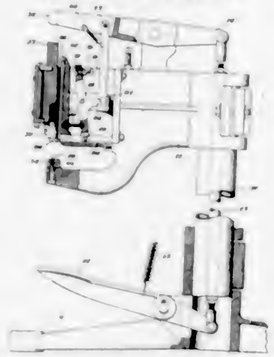
supporting ring extending above the beaded rim and means for holding the supporting ring in place.

2,240,455

STAPLE SETTING MACHINE

Alfred E. Carlile, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania

Application January 5, 1939, Serial No. 249,456
4 Claims. (Cl. 1—2)



1. A fastener setting machine of the class described comprising a guideway for a fastener strip, setting mechanism including an anvil and a setting punch, and a normally retracted transfer finger movable transversely of the path of movement of the setting punch and across the fastener strip guideway and having means for bending and breaking an element from the end of a strip in the guideway turning said element through substantially 90° and presenting it to the setting punch, and common means for positively moving said transfer finger from retracted position and subsequently operating said setting punch.

2,240,456

APPARATUS FOR PRODUCING TUBULAR ARTICLES HAVING VARYING WALL THICKNESS

Frederic M. Darner, Shaker Heights, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application October 6, 1939, Serial No. 298,285
2 Claims. (Cl. 205—7)



1. In a draw bench for producing tubular articles having varying wall thickness, a stationary die, a movable carriage on one side of said die for drawing a tube through said die, means

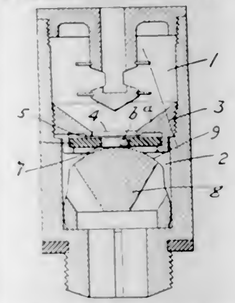
for moving said carriage away from said die, a mandrel, a mandrel carrying rod extending away from said die on the opposite side thereof from said carriage, a traveler member supported for movement toward and away from said die, sliding connections between said traveler and said mandrel rod, a support for said traveler, cam means carried by said support and operable to move said traveler, and driving means between said cam and said carriage whereby said cam will be moved in timed relation to the movement of said carriage in tube drawing direction, said driving means including a chain or the like secured to said carriage, supporting and guiding members for said chain, a sprocket for said chain on said support for said traveler and driving connections between said sprocket and said cam.

2,240,457

NONSPILL VENT PLUG

Ernest Graf, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application May 25, 1940, Serial No. 337,122
3 Claims. (Cl. 251—147)



3. In a nonspill vent plug the combination of a partition including a member having a central perforation, a movable body having a surface adapted to close the perforation and movable into and out of closing position, and a ball arranged for cooperation with the wall of the perforation and the closing surface and of diameter greater than the maximum distance between the lower periphery of the bounding wall of said perforation and said surface.

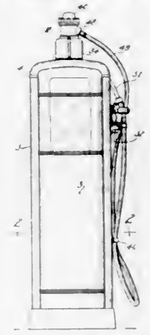
2,240,458

DISPENSING HOSE AND HOSE HANDLING APPARATUS FOR MOUNTING ON DISPENSING PUMPS

Alfred L. Grisé, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application December 2, 1940, Serial No. 368,206
10 Claims. (Cl. 221—95)

1. In liquid dispensing equipment, the combination of a vertical casing, a long dispensing hose outside the casing, liquid supply means inside the casing, mechanism positioned at the top of the casing connecting the liquid supply means to the hose, said mechanism consisting of a rotatable turret member in the form of a bowl having a transparent wall therein to indicate its fullness of liquid and a wall through which the inner end of the hose is connected and carried, a support for said turret member having bearings for the members' rotation, a depending pipe fastened in the bottom of said bowl and rotatable therewith, bearing supports for said pipe, a stationary bowl member at the bottom of said rotatable pipe, the said liquid supply means having its discharge point in the latter bowl, said hose being long enough to



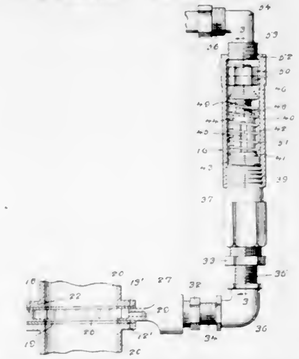
reach a delivery point at a substantial distance from the base of the casing and adapted by rotation of said turret member to give delivery up to the limit of such distance and along any radius from the base of the casing.

2,240,459

FUEL ECONOMIZER FOR INTERNAL COMBUSTION ENGINES

Henry H. McDowell, Portland, Oreg.

Application February 5, 1940, Serial No. 317,395
4 Claims. (Cl. 123—119)



3. In an internal combustion engine including a carburetor to control the flow of fuel to the intake manifold and a crankcase disposed below the engine block, the improvements comprising a by-pass to return fuel vapors in the crankcase to the intake manifold, said by-pass comprising a valve casing having an axial bore a portion of which is reduced and in communication with the fuel passage of the intake manifold, the other end of the casing communicating with the said crankcase; a valve slidable in the casing and having a plurality of longitudinal passages spaced circumferentially therearound, each of the passages being of different lengths and all of the passages opening through the end of the valve nearest the manifold and through the side wall of the valve at the end remote therefrom; spring means urging the valve away from the manifold; and means to vary the tension of the said spring means, whereby the vacuum in the intake manifold during idling of the engine will move the valve into the reduced portion of the bore of the

casing against the resilient action of the spring means to close the remote ends of the passages, and whereby diminution of the vacuum caused by acceleration of the engine will permit the spring means to progressively move the closed ends of the passages into the enlarged portion of the bore to permit vapors from the crankcase to be drawn into the intake manifold.

2,240,460

GARMENT HOLDING CLIP

Lee Oliver, Milford, Conn., assignor to The Connecticut Web and Buckle Company, Bridgeport, Conn., a corporation of Connecticut

Application June 6, 1939, Serial No. 277,579
6 Claims. (Cl. 24—250)



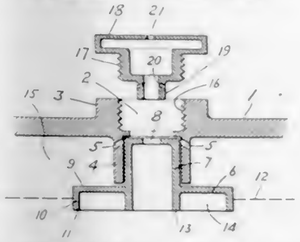
1. In a garment holding clip, a pair of jaws, a tape receiving loop integral with one of said jaws, spaced perforated side walls on each of said jaws, said jaws arranged with said walls of one jaw overlapping with those of the other jaw and with their perforations partly registering, a lever including cam lugs of greater width than thickness passing through the perforations in said overlapping walls forming a pivotal connection between said jaws and thereby connecting said jaws for pivotal relative movements, said lever being swingable from a position at the side of one of said jaws to a position extending forwardly thereof, and the side walls of said perforations having cam surfaces cooperating with said lugs to force the jaws toward one another as the lever is moved to the first mentioned position and to force the jaws apart as said lever is moved to the second of said positions.

2,240,461

FILLING AND VENTING PLUG FOR STORAGE BATTERY CELLS

Harold C. Riggs, Langhorne, and William C. Leingang, Philadelphia, Pa., assignors to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application December 7, 1938, Serial No. 244,320
2 Claims. (Cl. 136—178)



2. In a storage battery containing liquid electrolyte spaced below its top, a filling and venting structure comprising, a cell cover for said battery having a filling and venting duct passing therethrough and communicating with the interior of the battery above the normal electrolyte level and below the under side of the cover, an auxiliary vent communicating with the interior of the cell just below the under side of the cover and above the point of communication of said duct and communicating with said duct above the point of communication of said duct with the interior of the cell, a float having sliding engagement with said duct and mounted on the free surface of the electrolyte and having an imperforate portion located above the free surface of the electrolyte and arranged to open and close said auxiliary vent and spaced from the walls of said duct a sufficient distance to provide for capillary attraction of electrolyte therebetween for sealing said vent when said float is in vent-closing position and having a perforation therethrough aligned with said duct for the admission of liquid to the battery at the normal electrolyte level, and a vent plug normally located in said duct and arranged to contact with and move said float to open said vent when the vent plug is in said normal position and to allow said float to close said vent when the vent plug is removed and the electrolyte is at its normal level.

2,240,462

ILLUMINATED SIGNALING MAILBOX

Leo A. Rocheleau, Detroit, Mich., assignor of one-half to Leah M. Johnston, Detroit, Mich.

Application December 23, 1939, Serial No. 310,733
2 Claims. (Cl. 240—2)



1. In a mailbox illuminating unit the combination of, an insulating panel of a suitable length for extending across the upper portion of the doorway of a mailbox, a supporting flange extending perpendicularly from one edge of said panel for attachment to the upper wall of a mailbox to support the panel across the doorway of a mailbox, a socket on the inside of said panel for supporting a miniature incandescent electric light bulb in the upper portion of a mailbox for illuminating the interior thereof, an aperture in said panel substantially in alignment with said socket for passing the central terminal of an incandescent electric bulb extending through the aperture in said panel toward the front side thereof, and a resilient contactor on the front side of said panel adapted to be manually depressed to contact the central terminal of a light bulb in said socket for completing an energizing circuit for the bulb to illuminate a mailbox in which the unit may be installed.

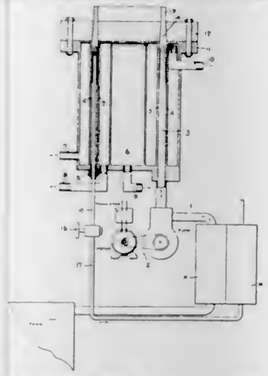
2,240,463

METHOD OF AND APPARATUS FOR FREEZING LIQUIDS

Peter Schlumbohm, New York, N. Y.

Application March 17, 1938, Serial No. 196,331
In Germany March 17, 1937
21 Claims. (Cl. 62—106)

20. The method of producing a continuous extruded mass of solid water ice, comprising; feeding under pressure water to be frozen into a freezing space, refrigerating said space to a freezing temperature and maintaining the pressure therewithin to force the medium from the freezing space and continuously constricting the medium sufficiently to form a continuous extruded solid mass of water ice.

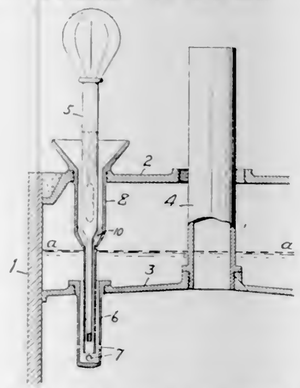


2,240,464

STORAGE BATTERY

Edward W. Smith, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application February 24, 1939, Serial No. 258,244
6 Claims. (Cl. 136—182)



1. In a storage battery cell having an outer cover arranged above the level of the electrolyte, and a supplementary cover arranged beneath the level of the electrolyte, there being a vent tube opening through the supplementary cover and terminating at its under surface and extending past the outer cover, means permitting the electrolyte to be tested by a syringe hydrometer which comprise a well depending from the supplementary cover into the electrolyte and having apertures in the side walls near its lower end, and having a bottom impervious to gas bubbles so that gas generated within the cell may rise around without appreciably entering said well, and an opening in the outer cover registering with said well to permit the entrance of said syringe hydrometer.

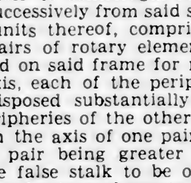
2,240,465

ROTARY MACHINE

Otto Sorge, Berlin, Germany

Application June 12, 1939, Serial No. 278,716
In Germany May 4, 1938
4 Claims. (Cl. 103—136)

1. A rotary machine, comprising, in combination, a stationary casing, a rotor arranged eccentrically in said casing and provided with a slot extending diametrically through it, blades arranged in said slot in the end portions thereof and contacting at their outermost faces with the inner circumferential surface of said casing, balance weights likewise arranged in said slot near



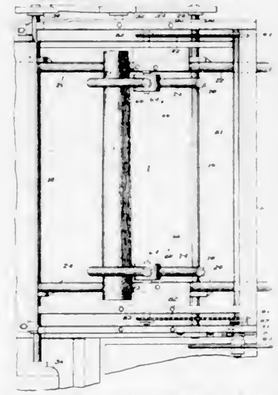
to the innermost faces of said blades and provided with radial bores, rods affixed to the said blades at the innermost faces of the same and extending through the bores of the adjacent balance weights and being firmly connected at the other end with the there located balance weight.

2,240,466

APPARATUS FOR SEPARATING LEAF SHEATHS

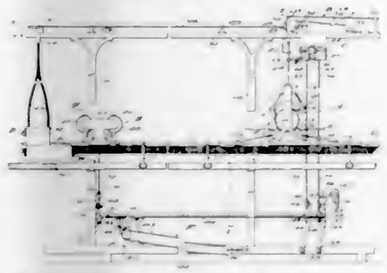
George S. Rippey, Boston, and Hartley Rowe, Newton Center, Mass., assignors to United Fruit Company, Boston, Mass., a corporation of New Jersey

Application March 7, 1940, Serial No. 322,802
13 Claims. (Cl. 19—5)



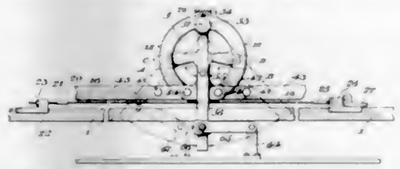
1. Apparatus for subjecting a false stalk of vegetable matter to centrifugal forces sufficient to throw off successively from said stalk separable leaf sheath units thereof, comprising a frame, two spaced pairs of rotary elements, each pair being mounted on said frame for rotation about a common axis, each of the peripheries of one pair being disposed substantially opposite the respective peripheries of the other pair, the distance between the axis of one pair and the axis of the other pair being greater than the diameter of the false stalk to be operated upon, and said pairs of rotary elements being adapted to hold a false stalk in peripheral engagement therebetween, and means for spinning said rotary elements in the same direction about their respective axes at continuous high speeds whereby a false stalk so held may be frictionally rotated at a peripheral speed developing centrifugal forces in an amount sufficient to separate an outside leaf sheath unit of the rotating stalk from the remainder, a substantial space between the two rotary elements of each pair and around a stalk so held being unobstructed to permit a centrifugally impelled leaf sheath to fly free of the rotating stalk.

2,240,467
KNITTING MACHINE
Frank G. Weisbecker, Glenside, Pa., assignor to Hosiery Patents Incorporated, Lansdale, Pa., a corporation of Pennsylvania
Application January 21, 1937, Serial No. 121,679
58 Claims. (Cl. 66—127)



1. A mechanism for operating and controlling a plurality of reciprocable yarn carrier supporting means in a straight knitting machine, said mechanism comprising at least two independent, rotary, friction clutch means adapted to provide independent impositive operation for a corresponding number of individual yarn carrier supporting means, said rotary clutch means having their axes of rotation in substantially the same vertical plane, and pattern mechanism for controlling said clutch means to provide operation of said yarn carrier supporting means in a predetermined order.

2,240,468
KNITTING MACHINE
Frank G. Weisbecker, Glenside, Pa., assignor to Hosiery Patents Incorporated, Lansdale, Pa., a corporation of Pennsylvania
Application June 20, 1938, Serial No. 214,804
52 Claims. (Cl. 66—126)



1. In a drive transmitting or control mechanism for the yarn carriers of a straight knitting machine having a reciprocable member, the combination comprising driving means and driven means, one of said means being a wheel-like member, the other of said means being adapted to frictionally engage said wheel-like member in yielding driving relation and including flexible means, such as a cable, having an intermediate portion looped about said wheel-like member with the outer cable portions extending outwardly therefrom for connection with said reciprocable member.

31. In an operating mechanism for the carrier bars of a straight knitting machine, the combination comprising an oscillatable drum, a driving element having a substantially uniform rate of movement, means connecting said element and said drum in driving relation, and means for automatically regulating said connecting means during driving operations to control the rate of angular movement of said drum during each stroke thereof.

2,240,469
PHOTOGRAPHIC EMULSION LAYER CONTAINING A DERIVATIVE OF A HYDROXYALKYL ETHER OF A POLYHYDRIC ALCOHOL
Donald R. Swan and Carl G. Lindquist, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 2, 1940, Serial No. 321,900
5 Claims. (Cl. 95—7)

1. Photographic sensitive material comprising a layer of a hydrophilic colloid depositable from a predominantly aqueous medium, said layer containing from 0.02% to 2% of a water-soluble compound having the formula

$$R'\begin{Bmatrix}(O\text{—alkylene—}OR)_n\\(O\text{—alkylene—}OH)_p\end{Bmatrix}$$

in which R' is the hydrocarbon radical of a polyhydric alcohol of at least 3 hydroxyl groups, *n* and *p* are positive integers whose sum equals the number of hydroxyl groups originally present in the polyhydric alcohol, and R is selected from the group consisting of the aliphatic alkyl and acyl radicals of from 8 to 18 carbon atoms and the alicyclic alkyl and acyl radicals.

2,240,470
PHOTOGRAPHIC GELATIN LAYER CONTAINING A MONOESTER OF SORBITOL
Donald R. Swan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 2, 1940, Serial No. 321,901
7 Claims. (Cl. 95—7)

1. Photographic sensitive material comprising a layer of a hydrophilic colloid depositable from a predominantly aqueous medium, said layer containing, in a dispersed state, from 0.01% to 0.02% of a monoester of sorbitol with an acid selected from the group consisting of the aliphatic acids of from 8 to 18 carbon atoms and the alicyclic acids.

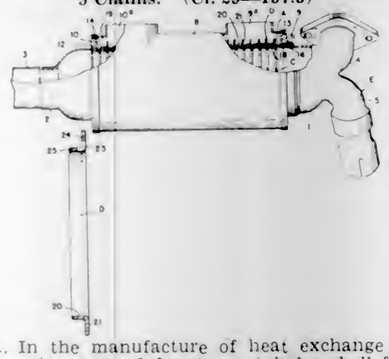
2,240,471
PHOTOGRAPHIC GELATIN LAYER CONTAINING A N-ACYLATED AMINO ACID
Donald R. Swan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 7, 1940, Serial No. 322,805
7 Claims. (Cl. 95—7)

1. Photographic sensitive material comprising a layer of a hydrophilic colloid depositable from a predominantly aqueous medium, said layer containing from 0.01% to 5% of a compound selected from the group consisting of the water-soluble N-acylated aliphatic amino carboxylic acids and their salts, in which the acyl radical is the radical of an acid selected from the group consisting of the aliphatic acids of from 8 to 18 carbon atoms and the alicyclic acids.

2,240,472
PHOTOGRAPHIC GELATIN LAYER CONTAINING A DI-(POLYALKYLENE GLYCOXY) ALKANE
Donald R. Swan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 19, 1940, Serial No. 324,804
6 Claims. (Cl. 95—7)

1. Photographic sensitive material comprising a layer of a hydrophilic colloid depositable from a predominantly aqueous medium, said layer containing from 0.75% to 10% of a di-(polyalkylene glycoxy) alkane in which the alkenyl radical is selected from the group consisting of the aliphatic alkenyl radicals containing from 8 to 18 carbon atoms and the di-cyclohexenyl dialkyl methanes in which each alkyl radical contains less than 3 carbon atoms, each polyalkylene glycoxy chain contains from 5 to 20 alkylene glycol radicals, and the alkylene radical is selected from the group consisting of ethylene and propylene.

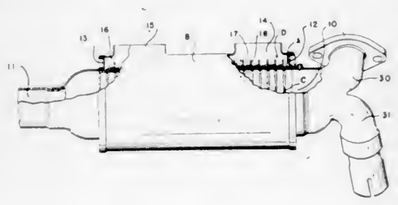
2,240,473
METHOD OF MAKING HEATER STRUCTURES
Lewis W. Welch, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application July 8, 1940, Serial No. 344,425
5 Claims. (Cl. 29—157.3)



1. In the manufacture of heat exchange devices; the steps of drawing a tubular shell from one sheet of metal; forming progressively from a second sheet of metal by a suitable die a plurality of annular fins of L-cross section, by initially piercing the second sheet of metal to provide in an arc of a circle two endwise spaced elongated openings, cutting the second sheet on two circular lines respectively spaced substantially equidistantly from the outer and inner elongated sides of and substantially concentric with the longitudinal median line of said endwise spaced openings to provide a substantially annular member, bending each annular member along a circular line coincident or coextensive with the longitudinal median line of the endwise spaced elongated openings and providing an annular fin of L-cross section wherein the spaced openings aforesaid extend circumferentially of the fin at the juncture of the horizontal and upright legs thereof and are spaced from the free edges of said upright and horizontal legs so that solid circumferentially extending bridge-like edge portions of the legs span said openings and cooperate with adjacent solid portions of the fins to insure substantially uniform expansion and contraction of the fins, sleeving the horizontal legs of the fins so formed upon the shell, and brazing the horizontal legs of the fins to the outer surface of the shell.

2,240,474
HEATER STRUCTURE
Lewis W. Welch, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application December 20, 1939, Serial No. 310,242
2 Claims. (Cl. 257—263)

1. In a heater, a tubular shell, and a plurality of annular heat radiating fins of L-cross section sleeved on said shell, the horizontal flanges of said fins being in surface-to-surface contact with the outer surface of the shell and spaced slightly apart longitudinally of the shell so that such flanges and shell form narrow annular channels extending circumferentially of the shell between the respective fins, each horizontal and upright flange of the fins being provided at the juncture of said flanges with circumferentially spaced openings, said openings being spaced from the free edges of said upright and horizontal flanges so that solid circumferentially extending bridge-



like edge portions of said flanges span said openings and cooperate with adjacent solid portions of the fins to insure substantially uniform expansion and contraction of the fins, either of the spaced openings in the upright flanges of the fins being adapted to receive a body of copper to be melted during a brazing operation, the spaced openings in the horizontal flanges of the fins being directly below and connecting into the spaced openings in the upright flanges and being at one side of and connecting into the annular channels aforesaid extending circumferentially of the shell.

2,240,475
PHOTOGRAPHIC GELATIN LAYER CONTAINING A POLYGLYCEROL MONOESTER
Norwood L. Simmons, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 2, 1940, Serial No. 321,902
7 Claims. (Cl. 95—7)

1. Photographic sensitive material comprising a layer of a hydrophilic colloid depositable from a predominantly aqueous medium, said layer containing from 0.02% to 2% of a water-soluble monoester of a polyglycerol containing at least 4 glycerol radicals with an acid selected from the group consisting of the aliphatic acids of from 8 to 18 carbon atoms and the alicyclic acids.

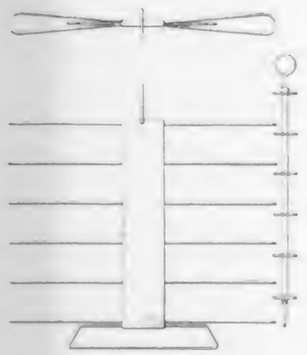
2,240,476
PHOTOGRAPHIC GELATIN LAYER CONTAINING AN ESTER OF SULPHOSUCCINIC ACID
Norwood L. Simmons and Donald R. Swan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 12, 1940, Serial No. 323,598
7 Claims. (Cl. 95—7)

1. Photographic sensitive material comprising a layer of a hydrophilic colloid depositable from a predominantly aqueous medium, said layer containing from 0.01% to 5% of a water-soluble sulpho salt of an aliphatic ester of sulphosuccinic acid.

DESIGNS

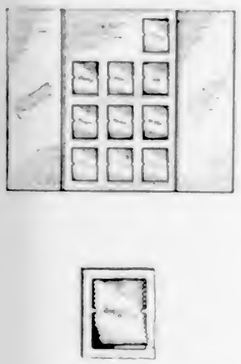
APRIL 29, 1941

126,829
DESIGN FOR A GARMENT HANGER
Minny M. Avery, Glendale, Calif.
Application October 15, 1938, Serial No. 80,480
Term of patent 3½ years



The ornamental design for a garment hanger, as shown.

126,830
DESIGN FOR A FABRIC DISPLAY SAMPLE CARD
Sydney E. Bender, Brooklyn, N. Y.
Application May 4, 1940, Serial No. 92,163
Term of patent 7 years



The ornamental design for a fabric display sample card, as shown and described.

126,831
DESIGN FOR A CHRISTMAS STOCKING OR SIMILAR ARTICLE
Joel B. Francis, Collegeville, Pa.
Application February 15, 1941, Serial No. 99,023
Term of patent 3½ years



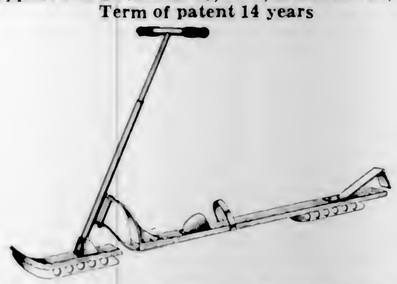
The ornamental design for a Christmas stocking or similar article, substantially as shown and described.

126,832
DESIGN FOR A COAT
Charles Goldstein, New York, N. Y.
Application March 18, 1941, Serial No. 99,667
Term of patent 3½ years



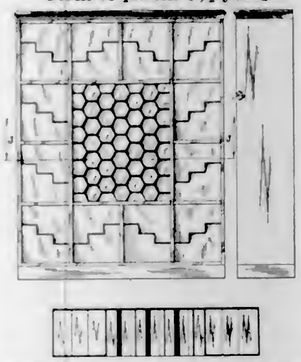
The ornamental design for a coat, substantially as shown.

126,833
DESIGN FOR A SCOOTER SKI
Ralph R. Hylan, Lexington, Mass.
Application December 19, 1940, Serial No. 97,446
Term of patent 14 years



The ornamental design for a scooter ski, substantially as shown.

126,834
DESIGN FOR A DISPLAY CABINET
Philip A. Magid, New Haven, Conn.
Application May 28, 1940, Serial No. 92,649
Term of patent 3½ years



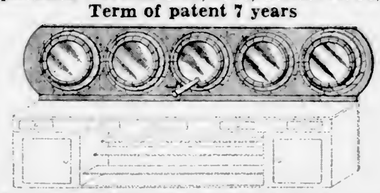
The ornamental design for a display cabinet, substantially as shown.

126,835
DESIGN FOR AN ELASTIC BRAID
Roy G. Manderbach, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application March 6, 1941, Serial No. 99,380
Term of patent 7 years



The ornamental design for an elastic braid, as shown and described.

126,836
DESIGN FOR A BACK BAR
Joseph Moreno, Mountain View, Calif.
Application November 22, 1940, Serial No. 96,728
Term of patent 7 years



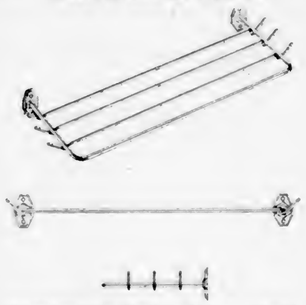
The ornamental design for a back bar, as shown and described.

126,837
DESIGN FOR A STEMMED GOBLET OR SIMILAR ARTICLE
William P. Morrison, Mount Pleasant, Pa., assignor to Bryce Brothers Company, Mount Pleasant, Pa., a corporation of Pennsylvania
Application March 10, 1941, Serial No. 99,457
Term of patent 14 years



The ornamental design for a stemmed goblet or similar article, substantially as shown and described.

126,838
DESIGN FOR A TOWEL RACK OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application February 24, 1941, Serial No. 99,178
Term of patent 7 years



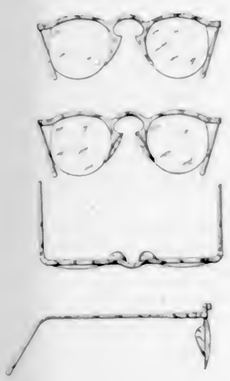
The ornamental design for a towel rack or similar article, substantially as shown.

126,839
DESIGN FOR LEATHER OR SIMILAR ARTICLE
Justin Schiess, Englewood, N. J., assignor to R. Neumann & Company, Hoboken, N. J., a corporation of New Jersey
Application January 29, 1941, Serial No. 98,505
Term of patent 14 years



The ornamental design for leather or similar article, as shown and described.

126,840
DESIGN FOR A PAIR OF SPECTACLES
Allan M. Silverman, Philadelphia, Pa.
Application January 11, 1941, Serial No. 97,984
Term of patent 14 years



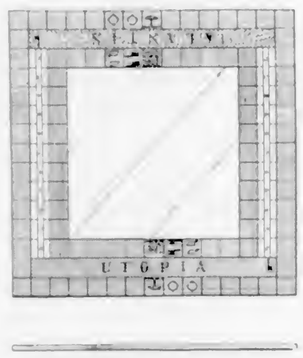
The ornamental design for a pair of spectacles, substantially as shown.

126,841
DESIGN FOR A GAME DEVICE
Henry Singer, Honolulu, Territory of Hawaii, assignor of one-half to George A. T. Spencer, Honolulu, Territory of Hawaii
Application February 4, 1941, Serial No. 98,736
Term of patent 14 years



The ornamental design for a game device, as shown.

126,842
DESIGN FOR A GAME BOARD
Howard B. Te Winkle, Erie, Pa.
Application November 19, 1940, Serial No. 96,687
Term of patent 3½ years



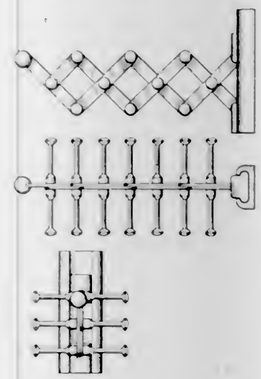
The ornamental design for a game board, as shown.

126,843
DESIGN FOR A WINDOW SHADE BRACKET
Arthur L. Thexton, Fort Thomas, Ky., assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland
Application November 21, 1939, Serial No. 88,394
Term of patent 14 years



The ornamental design for a window shade bracket, as shown and described.

126,844
DESIGN FOR A TIE RACK
William Grant Williams, Orange, Calif.
Application January 17, 1941, Serial No. 98,160
Term of patent 7 years



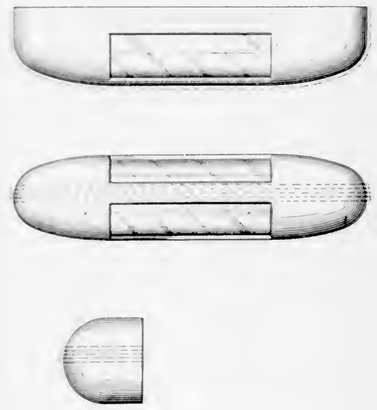
The ornamental design for a tie rack, as shown.

126,845
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application January 21, 1941, Serial No. 98,190
Term of patent 3½ years



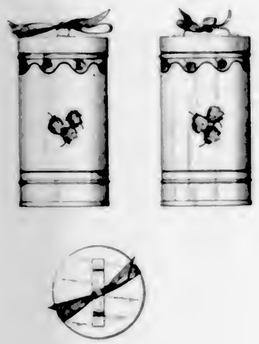
The ornamental design for a coat, substantially as shown and described.

126,846
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE
Henry G. Alm, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application July 18, 1938, Serial No. 78,564
Term of patent 14 years



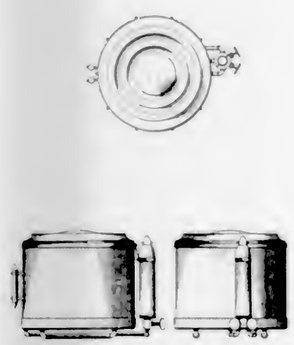
The ornamental design for a lighting fixture or similar article, as shown and described.

126,847
DESIGN FOR A TOILET POWDER CONTAINER
Laurence J. Colwell, New York, N. Y., assignor to Charles of the Ritz, Inc., New York, N. Y., a corporation of Delaware
Application December 17, 1940, Serial No. 97,400
Term of patent 14 years



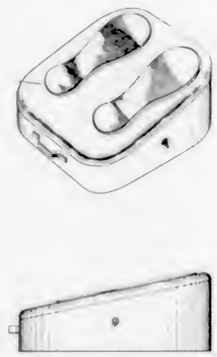
The ornamental design for a toilet powder container, as shown and described.

126,848
DESIGN FOR A DISHWASHING MACHINE
Orin K. Cox, New York, N. Y.
Application February 21, 1940, Serial No. 90,411
Term of patent 7 years



The ornamental design for a dishwashing machine, as shown.

126,849
DESIGN FOR A VIBRATOR
James J. Flatley, Hollywood, Calif.
Application September 7, 1940, Serial No. 94,875
Term of patent 7 years



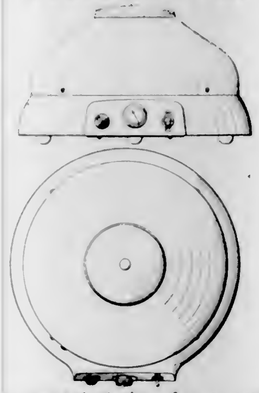
The ornamental design for a vibrator, substantially as shown.

126,850
DESIGN FOR A PIN
Adolph Frankenthaler and Stanley Rosenthal, New York, N. Y.
Application February 20, 1941, Serial No. 99,125
Term of patent 3½ years



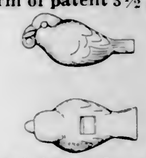
The ornamental design for a pin, as shown.

126,851
DESIGN FOR A CENTRIFUGE
Aaron A. Goldstein, Buffalo, N. Y., assignor to The Gomco Surgical Manufacturing Corporation, Buffalo, N. Y., a corporation of New York
Application February 26, 1941, Serial No. 99,231
Term of patent 14 years



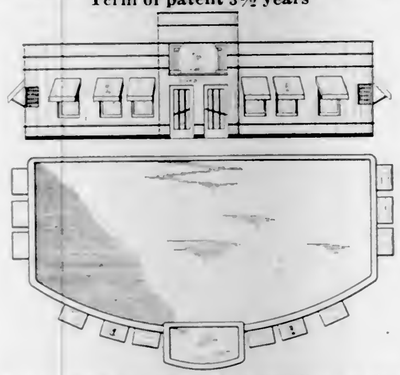
The ornamental design for a centrifuge, as shown.

126,852
DESIGN FOR A TOY WHISTLE
Sol P. Kaufman, New York, N. Y.
Application February 7, 1941, Serial No. 98,817
Term of patent 3½ years



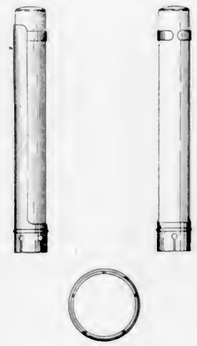
The ornamental design for a toy whistle, substantially as shown.

126,853
DESIGN FOR A BUILDING
Isaac J. Leavitt, Denver, Colo.
Application May 24, 1940, Serial No. 92,574
Term of patent 3½ years



The ornamental design for a building, as shown and described.

126,854
DESIGN FOR A LAMP SHIELD
Clyde D. McCann, Des Moines, Iowa
Application January 15, 1941, Serial No. 98,093
Term of patent 14 years



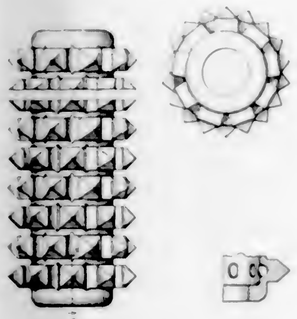
The ornamental design for a lamp shield, substantially as shown.

126,855
DESIGN FOR AN INFANT'S COLLAPSIBLE STROLLER OR SIMILAR ARTICLE
Leslie Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application October 2, 1940, Serial No. 95,566
Term of patent 14 years



The ornamental design for an infant's collapsible stroller or similar article, as shown.

126,856
DESIGN FOR A WELL BOMB
Clarence A. Ricou, Shreveport, La.
Application August 10, 1939, Serial No. 86,596
Term of patent 3½ years



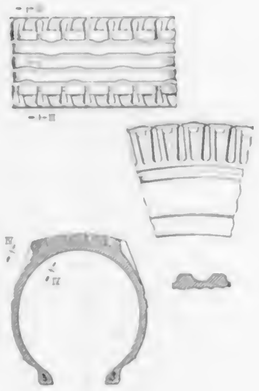
The ornamental design for a well bomb, as shown and described.

126,857
DESIGN FOR A PLASTIC BUILDING OR PAVING BLOCK
Charles H. Rothmann, Closter, N. J.
Application December 29, 1939, Serial No. 89,208
Term of patent 14 years



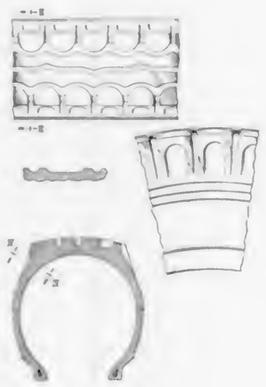
The ornamental design for a plastic building or paving block, as shown.

126,858
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 18, 1941, Serial No. 99,071
Term of patent 14 years



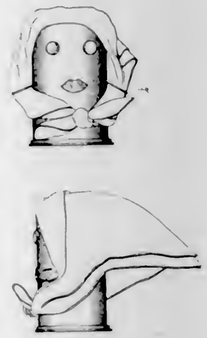
The ornamental design for a pneumatic tire, as shown.

126,859
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 21, 1941, Serial No. 99,153
Term of patent 14 years



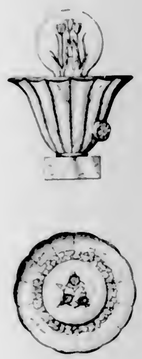
The ornamental design for a pneumatic tire, as shown.

126,860
DESIGN FOR A CONTAINER FOR PERFUME BOTTLE OR SIMILAR ARTICLE
John H. Willmarth, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application March 15, 1941, Serial No. 99,632
Term of patent 3½ years



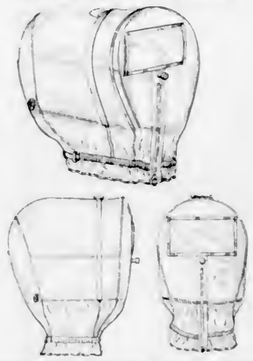
The ornamental design for a container for perfume bottle or similar article, as shown.

126,861
DESIGN FOR AN ELECTRIC GLOW LAMP
Harry C. Zaun, Atlantic Beach, N. Y.
Application August 2, 1940, Serial No. 94,149
Term of patent 14 years



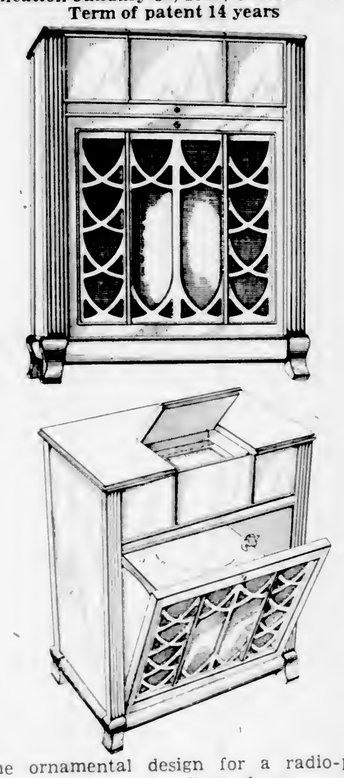
The ornamental design for an electric glow lamp, as shown.

126,862
DESIGN FOR A VACUUM BEAUTY BONNET
Dolletta M. Ackerman, Los Angeles, Calif.
Application March 2, 1940, Serial No. 90,634
Term of patent 7 years



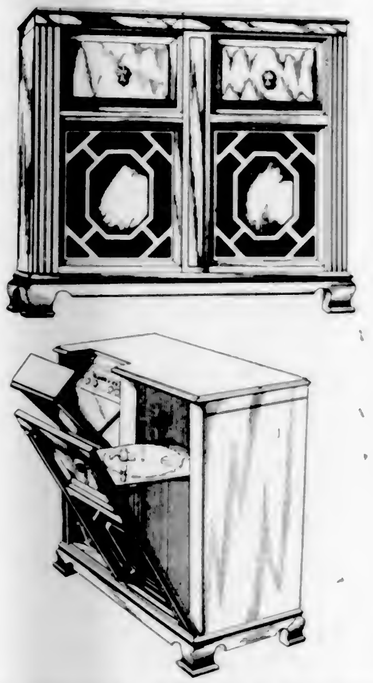
The ornamental design for a vacuum beauty bonnet, as shown.

126,863
DESIGN FOR A RADIO-PHONOGRAPH CABINET
Edgar F. Haines, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 31, 1941, Serial No. 98,625
Term of patent 14 years



The ornamental design for a radio-phonograph cabinet, substantially as shown.

126,864
DESIGN FOR A RADIO-PHONOGRAPH CABINET
Emil I. Harman, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 1, 1941, Serial No. 98,647
Term of patent 14 years



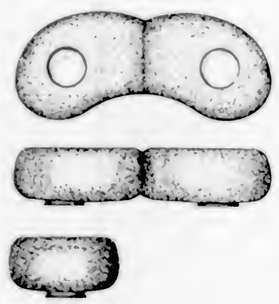
The ornamental design for a radio-phonograph cabinet, substantially as shown.

126,865
DESIGN FOR A LIGHTER
Edward Kanter, Cleveland Heights, Ohio
Application January 28, 1941, Serial No. 98,463
Term of patent 7 years



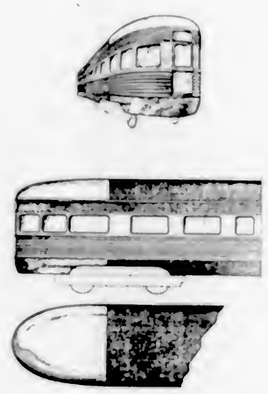
The ornamental design for a lighter, as shown.

126,866
DESIGN FOR A BEDPAN CUSHION
Elsie E. Miller, Iowa Falls, Iowa
Application June 6, 1940, Serial No. 92,860
Term of patent 14 years



The ornamental design for a bedpan cushion, as shown.

126,867
DESIGN FOR A REAR CAR OF A RAIL VEHICLE
John W. Patton, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application February 2, 1939. Serial No. 82,725
Term of patent 14 years



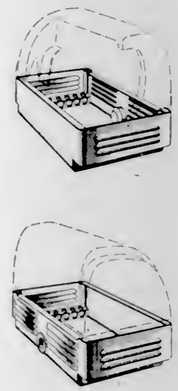
The ornamental design for a rear car of a rail vehicle, substantially as shown and described.

126,868
DESIGN FOR A BOX WRAPPER
Bernice Witmyer, Harrisburg, Pa., assignor to Woodward & Lothrop, Inc., a corporation of the District of Columbia
Application December 10, 1940, Serial No. 97,243
Term of patent 3½ years



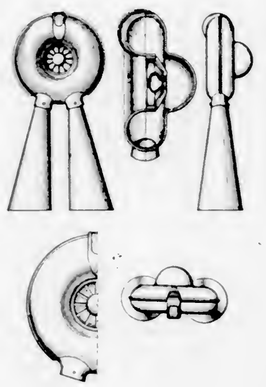
The ornamental design for a box wrapper, as shown.

126,869
DESIGN FOR A COMBINED SUPPORTING BASE AND COVER FOR A DESK PHONOGRAPH
Theodore H. Beard and Joseph M. Lucarelle, Bridgeport, Conn., and William J. O'Neil, Atlantic Beach, N. Y., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application November 26, 1940, Serial No. 96,826
Term of patent 14 years



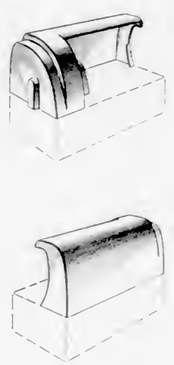
The ornamental design for a combined supporting base and cover for a desk phonograph, substantially as shown and described.

126,870
DESIGN FOR A RADIO
Semjon Krasnikov, Chicago, Ill.
Application April 6, 1940, Serial No. 91,530
Term of patent 3½ years



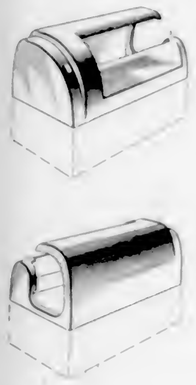
The ornamental design for a radio, substantially as shown.

126,871
DESIGN FOR A COMBINED HOOD AND SUPPORTING BASE FOR A DICTATING MACHINE
William J. O'Neil, Atlantic Beach, and Leland Stanford Briggs, New York, N. Y., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application November 26, 1940, Serial No. 96,824
Term of patent 14 years



The ornamental design for a combined hood and supporting base for a dictating machine, substantially as shown and described.

126,872
DESIGN FOR A COMBINED HOOD AND SUPPORTING BASE FOR A TRANSCRIBING MACHINE
William J. O'Neil, Atlantic Beach, and Leland Stanford Briggs, New York, N. Y., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application November 26, 1940, Serial No. 96,825
Term of patent 14 years



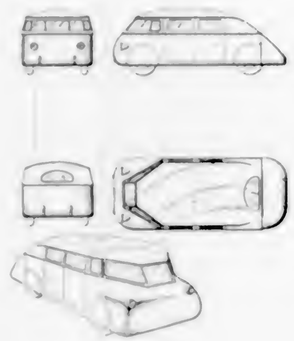
The ornamental design for a combined hood and supporting base for a transcribing machine, substantially as shown and described.

126,873
DESIGN FOR A MOUTHPIECE FOR A SPEAKING TUBE OF A PHONOGRAPH
William J. O'Neil, Atlantic Beach, and Leland Stanford Briggs, New York, N. Y., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application November 26, 1940, Serial No. 96,827
Term of patent 14 years



The ornamental design for a mouthpiece for a speaking tube of a phonograph, substantially as shown and described.

126,874
DESIGN FOR AN AUTOMOBILE
Frederic W. Plumb, West Reading, Pa.
Application January 9, 1940, Serial No. 89,360
Term of patent 3½ years



The ornamental design for an automobile, as shown.

126,875
DESIGN FOR A COMBINED BACK SCRUBBING CLOTH AND SOAP HOLDER
Albert M. Steichen, West Englewood, N. J.
Application February 6, 1940, Serial No. 90,067
Term of patent 3½ years



The ornamental design for a combined back scrubbing cloth and soap holder, substantially as shown.

126,876
DESIGN FOR A RUG
Lucien Biva, Long Island City, N. Y., assignor to William E. Roschen, Spring Lake, N. J., John Hastedt, Teaneck, N. J., and Albert A. Levy, New York, N. Y., as coexecutors of the estate of Otto Timme, deceased
Application March 22, 1941, Serial No. 99,782
Term of patent 7 years



The ornamental design for a rug, as shown.

126,877
DESIGN FOR A RUG
Lucien Biva, Long Island City, N. Y., assignor to William E. Roschen, Spring Lake, N. J., John Hastedt, Teaneck, N. J., and Albert A. Levy, New York, N. Y., as coexecutors of the estate of Otto Timme, deceased
Application March 22, 1941, Serial No. 99,783
Term of patent 7 years



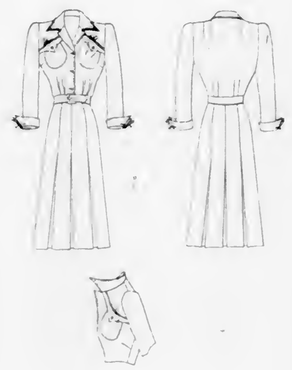
The ornamental design for a rug, as shown.

126,878
DESIGN FOR A CIGARETTE HOLDER
Gretyl E. Carson, Chicago, Ill.
Application January 9, 1941, Serial No. 97,914
Term of patent 14 years



The ornamental design for a cigarette holder, as shown.

126,879
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application January 27, 1941, Serial No. 98,425
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,880
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marcel Christen, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application March 22, 1941, Serial No. 99,774
Term of patent 3½ years



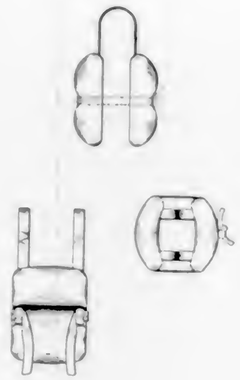
The ornamental design for a textile fabric or similar article, substantially as shown and described.

126,881
DESIGN FOR A DRESS ENSEMBLE
Beni Claire, New York, N. Y.
Application January 31, 1941, Serial No. 98,610
Term of patent 3½ years



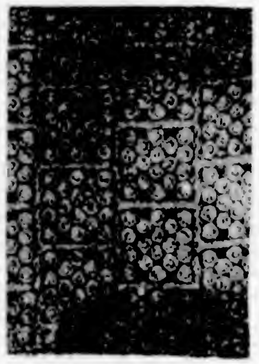
The ornamental design for a dress ensemble, substantially as shown.

126,882
DESIGN FOR A LIFE PRESERVER
Nicholas L. De Candia, Astoria, Long Island, N. Y.
Application November 9, 1940, Serial No. 96,448
Term of patent 7 years



The ornamental design for a life preserver, as shown.

126,883
DESIGN FOR A TEXTILE FABRIC
Thomas F. Gurry, Jr., Port Washington, N. Y.
Application March 24, 1941, Serial No. 99,790
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

126,884
DESIGN FOR A TEXTILE FABRIC
Thomas F. Gurry, Jr., Port Washington, N. Y.
Application March 24, 1941, Serial No. 99,791
Term of patent 3½ years



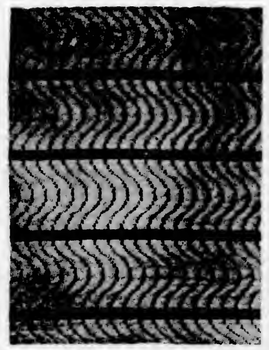
The ornamental design for a textile fabric, substantially as shown.

126,885
DESIGN FOR A TEXTILE FABRIC
Thomas F. Gurry, Jr., Port Washington, N. Y.
Application March 24, 1941, Serial No. 99,792
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

126,886
DESIGN FOR A TEXTILE FABRIC
Thomas F. Gurry, Jr., Port Washington, N. Y.
Application March 24, 1941, Serial No. 99,793
Term of patent 3½ years



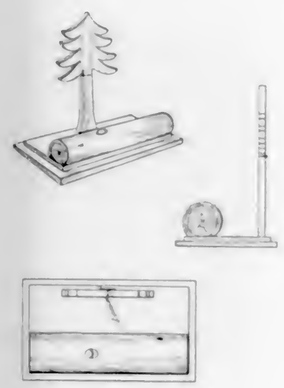
The ornamental design for a textile fabric, substantially as shown.

126,887
DESIGN FOR A TEXTILE FABRIC
Thomas F. Gurry, Jr., Port Washington, N. Y.
Application March 24, 1941, Serial No. 99,794
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

126,888
DESIGN FOR A FOUNTAIN PEN STAND
Philip C. Hall, Los Angeles, Calif.
Application May 13, 1940, Serial No. 92,329
Term of patent 7 years



The ornamental design for a fountain pen stand, as shown.

126,889
DESIGN FOR AN EMBROIDERED FABRIC
Otto Hallbauer, West Englewood, N. J.
Application November 27, 1940, Serial No. 96,875
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown and described.

126,890
DESIGN FOR A DRESS
Charles Lang, New York, N. Y.
Application January 15, 1941, Serial No. 98,057
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,891
DESIGN FOR A DRESS ENSEMBLE
Harry Langer, New York, N. Y.
Application March 26, 1941, Serial No. 99,884
Term of patent 3½ years



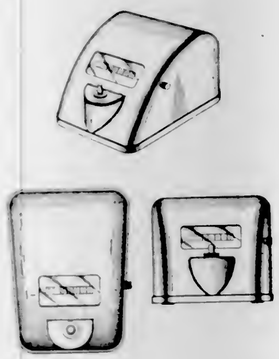
The ornamental design for a dress ensemble, substantially as shown.

126,892
DESIGN FOR A TEXTILE FABRIC
Edward H. Moss, New York, N. Y.
Application March 26, 1941, Serial No. 99,889
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

126,893
DESIGN FOR AN ELECTRIC TIMER
Alexander I. Newman, Chicago, Ill., assignor to Precision Scientific Co., Chicago, Ill., a corporation of Illinois
Application July 22, 1940, Serial No. 93,836
Term of patent 7 years



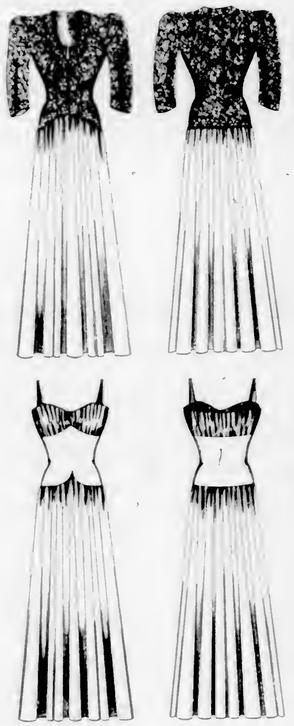
The ornamental design for an electric timer, substantially as shown.

126,894
DESIGN FOR A DRESS
Ann Verdi, Jackson Heights, N. Y.
Application April 1, 1941, Serial No. 100,061
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

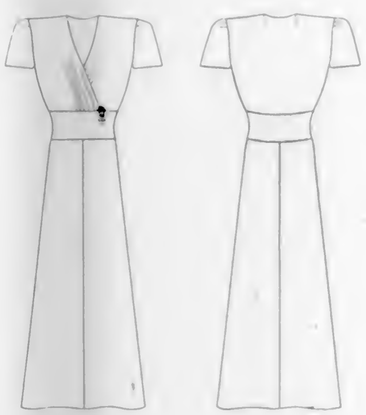
126,895
DESIGN FOR A DRESS ENSEMBLE
Ann Verdi, Jackson Heights, N. Y.
Application April 1, 1941, Serial No. 100,062
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

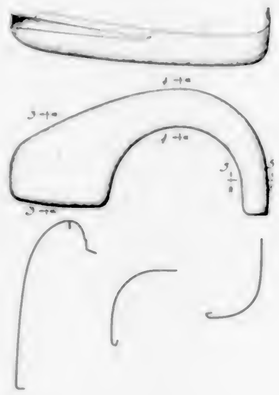
126,896
DESIGN FOR A DRESS ENSEMBLE
Jane Walker, New York, N. Y.
Application February 4, 1941, Serial No. 98,730
Term of patent 3½ years





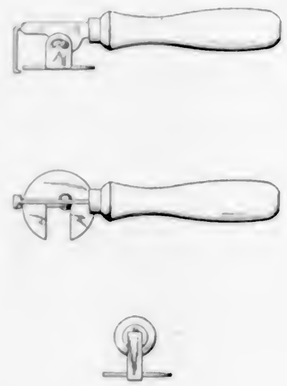
The ornamental design for a dress ensemble, as shown.

126,897
DESIGN FOR A REAR FENDER FOR A VEHICLE
Ronald J. Waterbury, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1940, Serial No. 92,668
Term of patent 7 years



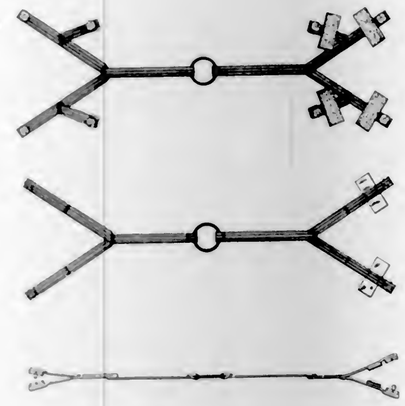
The ornamental design for a rear fender for a vehicle, as shown.

126,898
DESIGN FOR A JAR CAP LIFTER
Edmund B. White, Worcester, Mass.
Application January 9, 1941, Serial No. 97,942
Term of patent 14 years



The ornamental design for a jar cap lifter, as shown.

126,899
DESIGN FOR A SHOULDER STRAP HOLDER
Frances Alberts, Brooklyn, N. Y.
Application December 19, 1940, Serial No. 97,463
Term of patent 7 years



The ornamental design for a shoulder strap holder, as shown.

126,900
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application March 25, 1941, Serial No. 99,852
Term of patent 3½ years



The ornamental design for a pin or similar article, substantially as shown.

126,901
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application March 25, 1941, Serial No. 99,853
Term of patent 3½ years



The ornamental design for a pin or similar article, substantially as shown.

126,902
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application March 25, 1941, Serial No. 99,854
Term of patent 3½ years





The ornamental design for a pin or similar article, substantially as shown.

126,903
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application March 25, 1941, Serial No. 99,856
Term of patent 3½ years



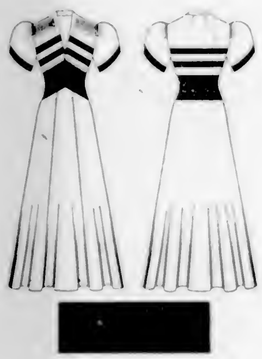
The ornamental design for a pin or similar article, substantially as shown.

126,904
DESIGN FOR A STOCKING
Samuel I. Burd and Martin M. Burd, Philadelphia, Pa.
Application June 28, 1940, Serial No. 93,303
Term of patent 3½ years



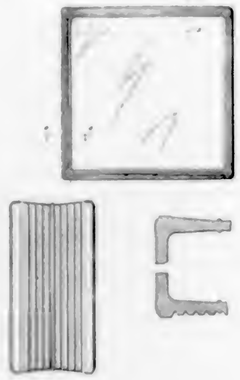
The ornamental design for a stocking, as shown and described.

126,905
DESIGN FOR A DRESS
Harry W. Julius, New York, N. Y.
Application April 1, 1941, Serial No. 100,064
Term of patent 3½ years



The ornamental design for a dress, as shown.

126,906
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
Roy C. Kendall, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 8, 1941, Serial No. 99,436
Term of patent 14 years



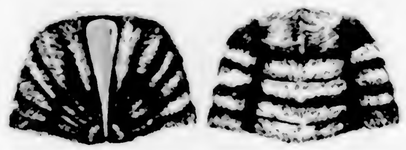
The ornamental design for a hollow glass building block, substantially as shown and described.

126,907
DESIGN FOR A FUR JACKET
Omar Kiam, New York, N. Y.
Application February 10, 1941, Serial No. 98,895
Term of patent 3½ years



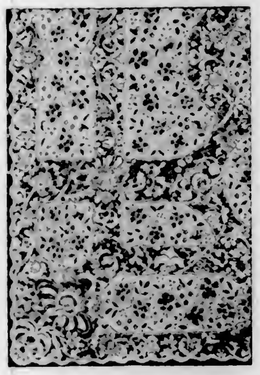
The ornamental design for a fur jacket, as shown.

126,908
DESIGN FOR A CAPE
Omar Kiam, New York, N. Y.
Application February 10, 1941, Serial No. 98,898
Term of patent 3½ years



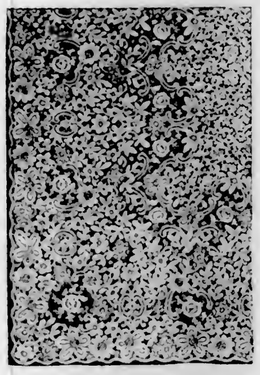
The ornamental design for a cape, as shown.

126,909
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Abington, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,603
Term of patent 3½ years



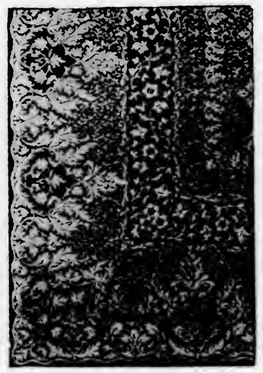
The ornamental design for a lace tablecloth, substantially as shown and described.

126,910
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,607
Term of patent 3½ years



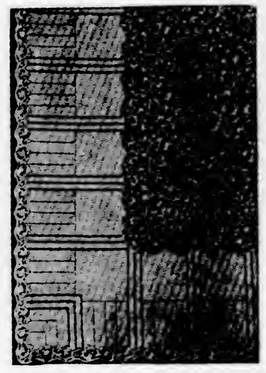
The ornamental design for a lace tablecloth, substantially as shown and described.

126,911
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,608
Term of patent 3½ years



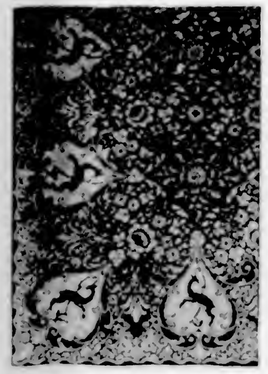
The ornamental design for a lace tablecloth, substantially as shown and described.

126,912
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,609
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

126,913
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,610
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

126,914
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,611
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

126,915
DESIGN FOR A BROOCH
William Regelmann, Cranston, R. I.
Application February 17, 1941, Serial No. 99,051
Term of patent 3½ years



The ornamental design for a brooch, substantially as shown.

126,916
DESIGN FOR A BROOCH
William Regelmann, Cranston, R. I.
Application February 17, 1941, Serial No. 99,052
Term of patent 3½ years



The ornamental design for a brooch, substantially as shown.

126,917
DESIGN FOR A BROOCH
William Regelmann Cranston, R. I.
Application February 17, 1941, Serial No. 99,053
Term of patent 3½ years



The ornamental design for a brooch, substantially as shown.

126,918
DESIGN FOR A BRASSIÈRE OR THE LIKE
William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 94,141
Term of patent 7 years



The ornamental design for a brassière or the like, substantially as shown and described.

126,919
DESIGN FOR A FUR JACKET
Monroe Sherwin, New York, N. Y.
Application January 29, 1941, Serial No. 98,490
Term of patent 3½ years



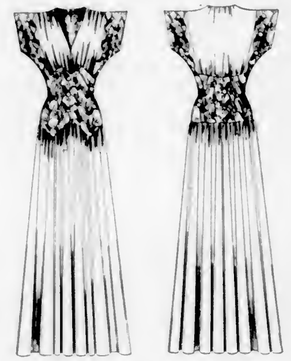
The ornamental design for a fur jacket, as shown.

126,920
DESIGN FOR A DRESS
Ann Verdi, Jackson Heights, N. Y.
Application April 1, 1941, Serial No. 100,060
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,921
DESIGN FOR A DRESS
Ann Verdi, Jackson Heights, N. Y.
Application April 1, 1941, Serial No. 100,063
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,922
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., Providence, R. I., a corporation of New York
Application March 24, 1941, Serial No. 99,827
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

126,923
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., Providence, R. I., a corporation of New York
Application March 24, 1941, Serial No. 99,828
Term of patent 3½ years



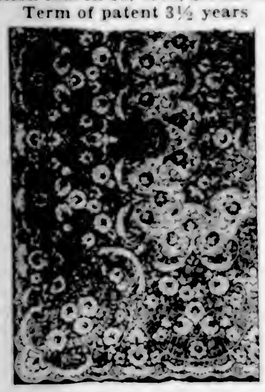
The ornamental design for a brooch or similar article, as shown.

126,924
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application March 25, 1941, Serial No. 99,849
Term of patent 3½ years



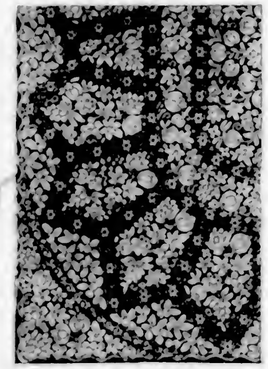
The ornamental design for a dress, substantially as shown.

126,925
DESIGN FOR A LACE TABLECLOTH
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,604
Term of patent 3½ years



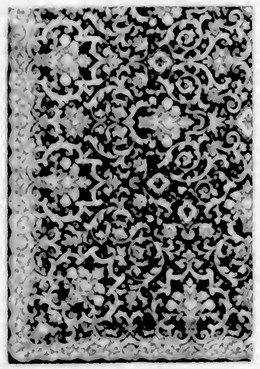
The ornamental design for a lace tablecloth, substantially as shown and described.

126,926
DESIGN FOR A LACE TABLECLOTH
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,605
Term of patent 3½ years



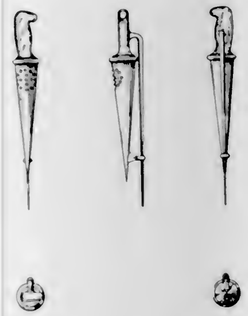
The ornamental design for a lace tablecloth, substantially as shown and described.

126,927
DESIGN FOR A LACE TABLECLOTH
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 14, 1941, Serial No. 99,606
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

126,928
DESIGN FOR A PERFUME BROOCH
James L. Younghusband, Chicago, Ill.
Application March 8, 1941, Serial No. 99,427
Term of patent 7 years



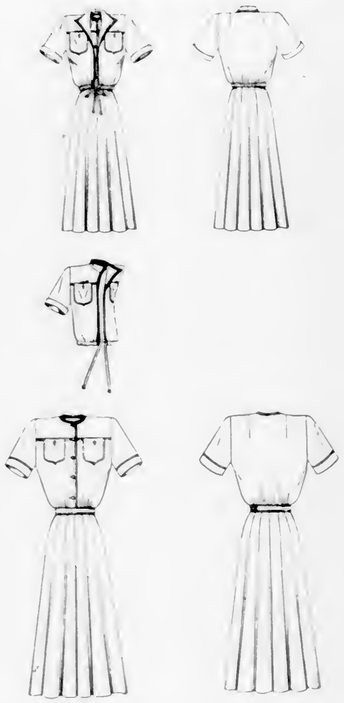
The ornamental design for a perfume brooch, substantially as shown.

126,929
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,016
Term of patent 3½ years



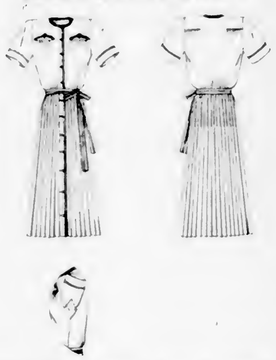
The ornamental design for a dress, substantially as shown.

126,930
DESIGN FOR A DRESS ENSEMBLE
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,019
Term of patent 3½ years



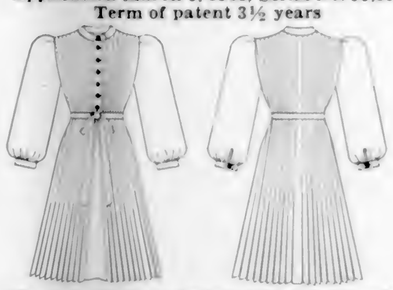
The ornamental design for a dress ensemble, substantially as shown.

126,931
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,022
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,932
DESIGN FOR A REDINGOTE
Elizabeth M. Ciccone, New York, N. Y.
Application March 6, 1941, Serial No. 99,393
Term of patent 3½ years



The ornamental design for a redingote, as shown.

126,933
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application March 28, 1941, Serial No. 99,966
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,934
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application March 28, 1941, Serial No. 99,968
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,935
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application March 28, 1941, Serial No. 99,969
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,936
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application March 28, 1941, Serial No. 99,970
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,937
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application March 28, 1941, Serial No. 99,964
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,938
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 27, 1941, Serial No. 99,937
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,939
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 27, 1941, Serial No. 99,938
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,940
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 27, 1941, Serial No. 99,939
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,941
DESIGN FOR A DRESS
Clare Potter, West Nyack, N. Y.
Application March 29, 1941, Serial No. 99,988
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,942
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application March 28, 1941, Serial No. 99,971
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,943
DESIGN FOR A DRESS
Edna Breer, New York, N. Y.
Application March 27, 1941, Serial No. 99,941
Term of patent 3½ years



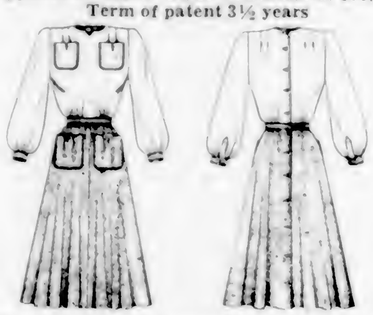
The ornamental design for a dress ensemble, substantially as shown.

126,944
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application March 25, 1941, Serial No. 99,855
Term of patent 3½ years



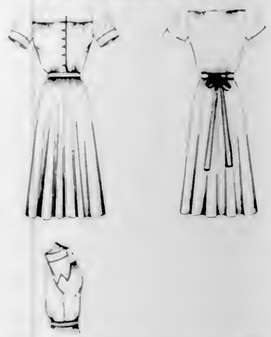
The ornamental design for a pin or similar article, substantially as shown.

126,945
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,017
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,946
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,018
Term of patent 3½ years



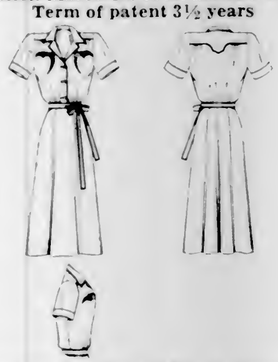
The ornamental design for a dress, substantially as shown.

126,947
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,020
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,948
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,025
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,949
DESIGN FOR A DRESS
Abe Gershuny, New York, N. Y.
Application March 31, 1941, Serial No. 100,027
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,950
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application March 28, 1941, Serial No. 99,962
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,951
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application March 28, 1941, Serial No. 99,963
Term of patent 3½ years



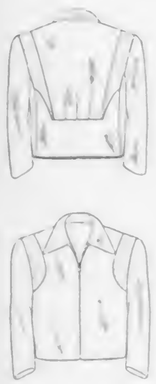
The ornamental design for a dress, substantially as shown.

126,952
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application March 29, 1941, Serial No. 99,986
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,953
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Isaac Kirschenbaum, Middletown, Pa.
Application January 30, 1941, Serial No. 98,534
Term of patent 7 years



The ornamental design for a jacket or similar article, as shown.

126,954
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application March 27, 1941, Serial No. 99,936
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,955
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application March 28, 1941, Serial No. 99,965
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,956
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application March 28, 1941, Serial No. 99,967
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,957
DESIGN FOR A DRESS
Morris Galowitz, New York, N. Y.
Application March 27, 1941, Serial No. 99,942
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,958
DESIGN FOR A DRESS
Morris Galowitz, New York, N. Y.
Application March 27, 1941, Serial No. 99,943
Term of patent 3½ years



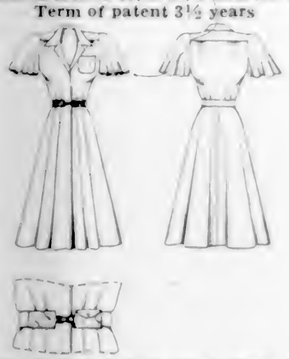
The ornamental design for a dress, substantially as shown.

126,959
DESIGN FOR A DRESS
Abe Gershuny, New York, N. Y.
Application March 31, 1941, Serial No. 100,026
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,960
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application March 25, 1941, Serial No. 99,850
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

126,961
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application March 25, 1941, Serial No. 99,851
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

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